

SIOS Protection Suite for Linux

Message Catalog

v9.2.2

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Combined Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 000200 | ERROR | pam_start() failed | |
| 000201 | ERROR | pam_authenticate failed (user %s, retval %d | |
| 000202 | ERROR | pam_end() failed?!?! | |
| 000203 | ERROR | Did not find expected group 'lkguest' | |
| 000204 | ERROR | Did not find expected group 'lkoper' | |
| 000205 | ERROR | Did not find expected group 'lkadmin' | |
| 000902 | ERROR | Error removing system name from loopback address line in /etc/hosts file. You must do this manually before starting the GUI server. | <p>Cause: System name did not get removed from /etc/hosts file.</p> <p>Action: Remove system name manually then restart the GUI server, then enter the following: run <action name></p> |
| 000918 | ERROR | LifeKeeper GUI Server error during Startup | <p>Cause: The GUI server terminated due to an abnormal condition.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 001052 | FATAL | Template resource "%s" on server "%s" does not exist | <p>Cause: LifeKeeper was unable to find the resource {tag} on {server}.</p> |
| 001053 | ERROR | Cannot access canextend script "%s" on server "%s" | <p>Cause: LifeKeeper was unable to run pre-extend checks because it was unable to find the script CANEXTEND on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 001054 | ERROR | Cannot extend resource "%s" to server "%s" | Cause: LifeKeeper was unable to extend the resource {resource} on {server}. |
| 001055 | ERROR | Cannot access extend script "%s" on server "%s" | Cause: LifeKeeper was unable to extend the resource hierarchy because it was unable to find the script EXTEND on {server}. Action: Check your LifeKeeper configuration. |
| 001057 | ERROR | Cannot extend resource "%s" to server "%s" | Cause: LifeKeeper was unable to extend the resource {resource} on {server}. |
| 001059 | ERROR | Resource with tag "%s" already exists | Cause: The name provided for a resource is already in use. Action: Either choose a different name for the resource, or use the existing resource. |
| 001060 | ERROR | Resource with either matching tag "%s" or id "%s" already exists on server "%s" for App "%s" and Type "%s" | Cause: The name or id provided for a resource is already in use. Action: Either choose a different name or id for the resource or use the existing resource. |
| 001061 | ERROR | Error creating resource "%s" on server "%s" | Cause: An unexpected failure occurred while creating a resource. Action: Check the logs for related errors and try to resolve the reported problem. |
| 001081 | WARN | IP address \"%\$ip\" is neither v4 nor v6 | Cause: The IP address provided is neither an IPv4 nor an IPv6 address. Action: Please check the name or address provided and try again. If a name was provided, verify that name resolution returns a valid IP address. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 004024 | ERROR | | <p>Cause: LCD failed to fetch resource information for resource id {id} during resource recovery.</p> <p>Action: Verify the input resource id and retry the recovery operation.</p> |
| 004028 | ERROR | %s occurred to resource \"%s\" | <p>Cause: Local recovery failed for resource {resource}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004055 | ERROR | attempt to remote-remove resource \"%s\" that can't be found | <p>Cause: Remotely removing a resource from service failed while attempting to find the resource by tag name {tag}.</p> <p>Action: Check input tag name and retry the recovery operation.</p> |
| 004056 | ERROR | attempt to remote-remove resource \"%s\" that is not a shared resource | <p>Cause: Remotely removing a resource from service failed given that the tag name {tag} is not a shared resource.</p> <p>Action: Check input tag name and retry the recovery operation.</p> |
| 004060 | ERROR | attempt to transfer-restore resource \"%s\" that can't be found | <p>Cause: Remote transfer of an in service resource failed given tag name {tag}.</p> <p>Action: Check input tag name and retry the recovery operation.</p> |
| 004061 | ERROR | attempt to transfer-restore resource \"%s\" that is not a shared resource with machine \"%s\" | <p>Cause: LifeKeeper failed to find a shared resource by {tag} name during remote transfer of a resource in service from a remote {machine}.</p> <p>Action: Check input tag name and retry the recovery operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 004089 | ERROR | ERROR: Parallel recovery initialization failed.\n | <p>Cause: Parallel recovery failed to initialize the list of resources in the hierarchy.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004093 | ERROR | ERROR: reserve failed. continuing to next resource\n | <p>Cause: Parallel recovery failed to reserve a single resource from the collective hierarchy.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004096 | ERROR | ERROR: clone %d is hung, attempting to kill it\n | <p>Cause: A single sub process of a resource recovery is hung during parallel recovery of a whole resource hierarchy.</p> <p>Action: A kill of the hanging sub process will be executed automatically.</p> |
| 004097 | ERROR | ERROR: Could not kill clone %d\n | <p>Cause: Failed to kill the hung sub process.</p> |
| 004116 | ERROR | %s | <p>Cause: Writing an on-disk version of an in-memory data object failed attempting to create the intermediate folder. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the intermediate folder is not created.</p> |
| 004117 | ERROR | open(%s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to open a temporary file. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file is not successfully opened.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---------------|---|
| 004118 | ERROR | write(%s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to write to a temporary file. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file writing is failed.</p> |
| 004119 | ERROR | fsync(%s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to fsync a temporary file. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the "fsync" is failed.</p> |
| 004120 | ERROR | close(%s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to close a temporary file. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file closing is failed.</p> |
| 004121 | ERROR | rename(%s, %s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to rename a temporary file {file} to original file {file}. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file renaming is failed.</p> |
| 004122 | ERROR | open(%s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to open an intermediate directory {directory}. This is a system error."</p> <p>Action: Check log for the error information in detail and determine why the directory open is failed.</p> |

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|--------|----------|---------------------------------------|--|
| 004123 | ERROR | fsync(%s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to fsync an intermediate directory {directory}. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the directory "fsync" is failed.</p> |
| 004124 | ERROR | close(%s | <p>Cause: Writing an on-disk version of an in-memory data object failed while attempting to close an intermediate directory {directory}. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the directory close is failed.</p> |
| 004125 | ERROR | wrote only %d bytes of requested %d\n | <p>Cause: Writing an on-disk version of an in-memory data object failed as the final size {size} bytes of written data is less than the requested number {number} of bytes.</p> <p>Action: Check log for the related error information in detail and determine why the data writing is failed.</p> |
| 004126 | ERROR | open(%s | <p>Cause: Attempting to open a data file failed during the reading of an on-disk version of the data object into the buffer. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file open is failed.</p> |
| 004127 | ERROR | open(%s | <p>Cause: Attempting to open a temporary data file failed during the reading of an on-disk version of the data object into the buffer. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file open is failed.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---------------------------------|--|
| 004128 | ERROR | read(%s | <p>Cause: Reading a data file failed during the loading of an on-disk version of the data object into the buffer. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file reading is failed.</p> |
| 004129 | ERROR | read buffer overflow (MAX=%d)\n | <p>Cause: The read buffer limit {max} was reached while attempting to read an on-disk version of the data object into the buffer.</p> <p>Action: Check the LifeKeeper configuration and restart the LifeKeeper.</p> |
| 004130 | ERROR | close(%s | <p>Cause: Failed to close a data file during reading an on-disk version of the data object into the buffer. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file close is failed.</p> |
| 004131 | ERROR | rename(%s, %s | <p>Cause: Failed to rename a temporary data file during reading an on-disk version of the data object into the buffer. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the file renaming is failed.</p> |
| 004132 | ERROR | Can't open %s : %s | <p>Cause: Failed to open a directory {directory} with error {error} during reading an on-disk version of the application and resource type information into the buffer. This is a system error.</p> <p>Action: Check log for the error information in detail and determine why the open directory is failed.</p> |

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|--------|----------|---|---|
| 004133 | ERROR | path argument may not be NULL | <p>Cause: The command "lcdrp" failed during a file copy because the input source path is missing.</p> <p>Action: Check the input source path and retry "lcdrp".</p> |
| 004134 | ERROR | destination path argument may not be NULL | <p>Cause: The "lcdrp" command failed during a file copy because the input destination path is missing.</p> <p>Action: Check the input destination path and retry "lcdrp".</p> |
| 004135 | ERROR | destination path can't be zero length string | <p>Cause: Input destination path was empty during file copy when using "lcdrp".</p> <p>Action: Check the input destination path and retry "lcdrp".</p> |
| 004136 | ERROR | open(%s | <p>Cause: Failed to open source file path during file copy using "lcdrp". This is a system error.</p> <p>Action: Check the existence/availability of the input source path and retry "lcdrp". Also check the related log for error information in detail.</p> |
| 004137 | ERROR | fstat(%s | <p>Cause: Failed to fetch file attributes using "fstat" during file copy by "lcdrp". This is a system error.</p> <p>Action: Check the log for error information in detail.</p> |
| 004138 | ERROR | file \"%s\" is not an ordinary file (mode=0%o | <p>Cause: Detected source file as a none ordinary file during file copy using "lcdrp".</p> <p>Action: Check the input source file path and retry "lcdrp".</p> |
| 004152 | ERROR | having \"%s\" depend on \"%s\" would produce a loop | <p>Cause: Adding the requested dependency would produce a loop of dependent relationship.</p> <p>Action: Correct the requested dependency and retry the dependency creation.</p> |

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|--------|----------|--|--|
| 004164 | ERROR | Priority mismatch between resources %s and %s. Dependency creation failed. | <p>Cause: The priorities for {resource1} and {resource2} do not match.</p> <p>Action: Resource priorities must match. Change one or both priorities to the same value and retry creating the dependency.</p> |
| 004176 | ERROR | %s | <p>Cause: The command "doabort" failed to create the {directory} for writing the core file. This is a system error.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004190 | ERROR | %s: ::receive(%d) did not receive message within %d seconds on incoming_mailbox %s | <p>Cause: In function {function}, attempting to receive message within timeout {timeout} seconds failed with incoming mailbox {mailbox}.</p> <p>Action: Check the status of the connections inside the cluster and retry the process.</p> |
| 004205 | ERROR | destination system \"%s\" is unknown | <p>Cause: Sending message failed due to an unknown destination system name {system}.</p> <p>Action: Check the configuration and status of the system and check the logs for related errors. Retry the same process after the system is full initialized.</p> |
| 004206 | ERROR | destination mailbox \"%s\" at system \"%s\" is unknown | <p>Cause: Sending message failed due to an unknown mailbox {mailbox} on destination system name {system}. This error may be caused by sending a message before the LCD is fully initialized.</p> <p>Action: Check the configuration and status of the system and check the logs for related errors. Retry the same process after the system is full initialized.</p> |

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| 004208 | ERROR | destination system \"%s\" is alive but the mailbox process is not listening. | <p>Cause: Sending message failed. The network connection to destination system {system} is alive but the contact to the destination mailbox is lost.</p> <p>Action: Check the configuration and status of the system and check the logs for related errors. Retry the same process after the system is full initialized.</p> |
| 004209 | ERROR | destination system \"%s\" is dead. | <p>Cause: Sending message failed due to losing connection with the destination system {system}.</p> <p>Action: Check the configuration and status of the system and check the logs for related errors. Retry the same process after the system is full initialized.</p> |
| 004211 | ERROR | can't send to destination \"%s\" error=%d | <p>Cause: Sending message to destination system {system} failed due to internal error {error}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004217 | ERROR | destination system \"%s\" is out of service. | <p>Cause: Sending message failed due to losing connection with the destination system {system}.</p> <p>Action: Check the configuration and status of the system and check the logs for related errors. Retry the same process after the system is full initialized.</p> |
| 004221 | ERROR | destination system \"%s\" went out of service. | <p>Cause: Sending message failed due to losing connection with the destination system {system}.</p> <p>Action: Check the configuration and status of the system and check the logs for related errors. Retry the same process after the system is full initialized.</p> |

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|--------|----------|---|--|
| 004228 | ERROR | Can't get host name from getaddrinfo(| <p>Cause: Creating network object failed due to a failure when getting host name using "getaddrinfo()".</p> <p>Action: Check the configuration and status of the system. Do the same process again.</p> |
| 004234 | ERROR | IP address pair %s already in use | <p>Cause: Creating network object failed due to the IP address pair {pair} is already used for a TCP communication path.</p> <p>Action: Check the input IP address pair and do the network creation again.</p> |
| 004258 | WARN | Communication to %s by %s FAILED | <p>Cause: Communication to system {system} by communication path {path} failed.</p> <p>Action: Check system configuration and network connection.</p> |
| 004261 | WARN | COMMUNICATIONS failover from system \"%s\" will be started. | <p>Cause: A failover from system {system} will be started due to all the communications path are down.</p> <p>Action: Check system configuration and network connection status. Confirm the system status when failover is done.</p> |
| 004292 | ERROR | resource \"%s\" %s | <p>Cause: A resource could not be brought in service because its current state is unknown.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004293 | ERROR | resource \"%s\" %s | <p>Cause: A resource could not be brought into service because its current state disallows it.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

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| 004294 | ERROR | resource \"%s\" requires a license (for Kit %s/%s) but none is installed | <p>Cause: The resource's related recovery kit requires a license.</p> <p>Action: Install a license for the recovery kit on the server where the resource was to be brought into service.</p> |
| 004297 | ERROR | secondary remote resource \"%s\" on machine \"%s\" is already in-service, so resource \"%s\" on machine \"%s\" can't be brought in-service. | <p>Cause: A resource {resource} could not be brought into service on machine {machine} because its secondary remote resource {resource} is already in service on machine {machine}.</p> <p>Action: Manually change the remote resource out of service and do in service on local resource again.</p> |
| 004300 | ERROR | restore of resource \"%s\" has failed | <p>Cause: A resource could not be brought into service.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004311 | ERROR | can't perform \"remove\" action on resources in state \"%s\" | <p>Cause: A resource could not be put out of service due to the current state being {state}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004313 | ERROR | remove of resource \"%s\" has failed | <p>Cause: A resource {resource} could not be put out of service.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004318 | ERROR | %s,priv_globact(%d,%s): script %s FAILED returning %d | <p>Cause: A global action script failed with the specified error code.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

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| 004332 | ERROR | action \"%s\" has failed on resource \"%s\" | <p>Cause: A resource action failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004351 | ERROR | a \"%s\" equivalency must have one remote resource | <p>Cause: Creating of a {eqvtype} equivalency failed due to the two input tag names exist on the same system.</p> <p>Action: Correct the inputs resource tag names and do the same process again.</p> |
| 004376 | FATAL | wait period of %u seconds for LCM to become available has been exceeded (lock file \"%s\" not removed | <p>Cause: The LCM daemon did not become available within a reasonable time and the LCD cannot operate without the LCM.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004386 | ERROR | initlcdMalloc;shmget | <p>Cause: A shared memory segment could not be initialized.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Review the product documentation and ensure that the server meets the minimum requirements and that the operating system is configured properly.</p> |
| 004444 | WARN | License key (for Kit %s/%s) has EXPIRED | <p>Cause: Your license has expired.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 004445 | WARN | License key (for Kit %s/%s) will expire at midnight in %ld days | <p>Cause: Your license is about to expire.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 004466 | ERROR | system \"%s\" not defined on machine \"%s\". | <p>Cause: The specified system name is not known.</p> <p>Action: Verify the system name, and try the operation again.</p> |

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| 004467 | ERROR | system \"%s\" unknown on machine \"%s\" | <p>Cause: The specified system name is not recognized.</p> <p>Action: Verify the system name, and try the operation again.</p> |
| 004494 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004495 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004496 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004497 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004498 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

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| 004499 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004500 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004501 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004502 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004503 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004504 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

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|--------|----------|--------------------|---|
| 004505 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004506 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004507 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004508 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004509 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004510 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

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| 004511 | ERROR | COMMAND OUTPUT: %s | <p>Cause: An action or event script produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004512 | ERROR | | <p>Cause: An error occurred on the remote machine.</p> <p>Action: Check the logs on the remote machine for additional details.</p> |
| 004565 | ERROR | can't set resource state type to ILLSTATE | <p>Cause: An attempt was made to put a resource in an illegal state.</p> <p>Action: Do not try to put a resource into an illegal state.</p> |
| 004567 | ERROR | resource \"%s\" can't be changed to \"%s\" state because it is a primary resource of a SHARED equivalency to resource \"%s\" on machine \"%s\" which is in state \"%s\" | <p>Cause: Change resource {resource} to state {state} failed since its SHARED equivalency primary resource {resource} on machine {machine} is in state {state}.</p> <p>Action: Check the input or manually put the primary resource out of service and try the same process again.</p> |
| 004607 | ERROR | no resource instance has tag \"%s\" | <p>Cause: No resource with the provided tag exists.</p> <p>Action: Provide a valid tag, or check the logs for related errors and try to resolve the reported problem.</p> |
| 004608 | ERROR | no resource instance has identifier \"%s\" | <p>Cause: No resource exists with the provided identifier.</p> <p>Action: Provide a valid identifier, or check the logs for related errors and try to resolve the reported problem.</p> |
| 004619 | ERROR | resource with tag \"%s\" already exists with identifier \"%s\" | <p>Cause: The provided tag name already exists.</p> <p>Action: Choose a different tag name.</p> |

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| 004620 | ERROR | resource with identifier \"%s\" already exists with tag \"%s\" | <p>Cause: The provided identifier already exists.</p> <p>Action: Choose a different identifier to use for this resource.</p> |
| 004643 | ERROR | Instance tag name is too long. It must be shorter than %d characters. | <p>Cause: Tag name is too long.</p> <p>Action: Provide a tag name that is less than 256 characters.</p> |
| 004646 | ERROR | Tag name contains illegal characters | <p>Cause: Tag name contains an illegal character.</p> <p>Action: Specify a tag name that does not include one of these characters: _-./</p> |
| 004691 | ERROR | can't set both tag and identifier at same time | <p>Cause: Both a tag and an identifier were specified.</p> <p>Action: Provide only one of tag or identifier.</p> |
| 004745 | ERROR | failed to access lkexterlog path=%s | <p>Cause: The utility "lkexterlog" can not be accessed for collecting system information.</p> <p>Action: Check the installation of package "steeleye-lk" and make sure the utility "lkexterlog" is accessible.</p> |
| 004746 | ERROR | lkexterlog failed runret=%d cmdline=%s | <p>Cause: The execution of utility "lkexterlog" failed when collecting system information.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004782 | ERROR | Resource \"%s\" was in state \"%s\" before event occurred - recovery will not be attempted | <p>Cause: The resource is already in service. Recovery will not be attempted.</p> |
| 004783 | ERROR | Resource \"%s\" was already in state \"%s\" before event occurred | <p>Cause: A resource was not in an appropriate state to allow recovery.</p> <p>Action: Put the resource in the ISP state if recovery is still needed.</p> |

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|--------|----------|---|---|
| 004786 | ERROR | %s on failing resource \"%s\" | <p>Cause: An error occurred why attempting to recover a resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004788 | EMERG | failed to remove resource '%s'. SYSTEM HALTED. | <p>Cause: A error occur that prevented a resource from being taken out of service during a recovery. The system has been restarted to ensure the resource is not active on two systems.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004793 | ERROR | lcsendremote transfer resource \"%s\" to \"%s\" on machine \"%s\" failed (rt=%d | <p>Cause: A failure occurred while transferring a resource and its dependencies to another system.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Check the log on the other system for related errors.</p> |
| 004797 | ERROR | Restore of SHARED resource \"%s\" has failed | <p>Cause: There was an error while restoring a resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 004806 | ERROR | Restore in parallel of resource \"%s\" has failed; will re-try serially | <p>Cause: Parallel recovery failed. Check the logs for related errors and try to resolve the reported problem.</p> <p>Action: No action is required. The system will continue to recover serially. If the recovery fails, check for error messages related to the resources which failed to recover to find out what further actions to take.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 004819 | ERROR | read_temporal_recovery_log(): failed to fopen file: %s. fopen() %s. | <p>Cause: The opening of the temporal recovery log file {file} in preparation for loading into it into memory failed with the error {error}.</p> <p>Action: Check system log files and correct any reported errors before retrying the operation.</p> |
| 004820 | ERROR | read_temporal_recovery_log(): failed to malloc initial buf for temporal_recovery_stamp. | <p>Cause: Loading the temporal recovery log information into memory failed when attempting to acquire memory to store the log information.</p> <p>Action: Check system log files and correct any reported errors before retrying the operation.</p> |
| 004821 | ERROR | read_temporal_recovery_log(): failed to reallocate buffer for temporal_recovery_stamp. | <p>Cause: Loading the temporal recovery log information into memory failed when attempting to increase the amount of memory required to store the log information.</p> <p>Action: Check system log files and correct any reported errors before retrying the operation.</p> |
| 004822 | ERROR | write_temporal_recovery_log(): failed to open file: %s. | <p>Cause: The update of the temporal recovery log file was terminated when the open of the temporary file {temporary name} failed.</p> <p>Action: Check system log files and correct any reported errors before retrying the operation.</p> |
| 004823 | ERROR | rename(%s, %s) failed. | <p>Cause: The update of the temporal recovery log file was terminated when the rename of the temporary file {temporary name} to the real log file {real name} failed.</p> <p>Action: Check system log files and correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 004829 | FATAL | err=%s line=%d Semid=%d numops=%zd perror=%s | <p>Cause: The modification of semaphore ID {semaphore} failed with error {err} and error message description {perror}.</p> <p>Action: Check adjacent log messages for more details. Also, check the system log files and correct any reported errors before retrying the operation.</p> |
| 004860 | ERROR | restore ftok failed for resource %s with path %s | <p>Cause: The attempt to generate an IPC key for use in semaphore operations for resource {tag} using path {path} failed. This is a system error.</p> <p>Action: Check adjacent log messages for more details. Also check system log files and correct any reported errors before retrying the operation.</p> |
| 004861 | ERROR | semget failed with error %d | <p>Cause: The attempt to retrieve the semaphore identification associated with the instances files has failed. This is a system error.</p> <p>Action: Check adjacent log messages for more details. Also check system log files and correct any reported errors before retying the operation.</p> |
| 004862 | ERROR | semctl SEMSET failed with error %d | <p>Cause: The attempt to create and initialize a semaphore used during the recovery process has failed with the error {error number}. This is a system error.</p> <p>Action: Check adjacent log messages for more details. Also, check system log files and correct any reported errors before retying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 004863 | ERROR | semop failed with error %d | <p>Cause: The attempt to set a semaphore used during the recovery process has failed with the error {error number}. This is a system error.</p> <p>Action: Check adjacent log messages for more details. Also, check system log files and correct any reported errors before retrying the operation.</p> |
| 004864 | ERROR | semctl SEMSET failed with error %d | <p>Cause: The attempt to release a semaphore used during the recovery process has failed with the error {error number}. This is a system error.</p> <p>Action: Check adjacent log messages for more details. Also, check system log files and correct any reported errors before retrying the operation.</p> |
| 004865 | ERROR | restore action failed for resource %s | <p>Cause: The attempt to bring resource {tag} In Service has failed.</p> <p>Action: Check adjacent log messages for more details. Correct any reported errors and retry the operation.</p> |
| 004872 | ERROR | Remote remove of resource \"%s\" on machine \"%s\" failed (rt=%d) | <p>Cause: The request to take resource {tag} Out of Service on {server} for transfer to the local system has failed.</p> <p>Action: Check adjacent log messages for more details on the local system. Also, check the log messages on {server} for further details on the failure to remove the resource.</p> |
| 004875 | ERROR | remote remove of resource \"%s\" on machine \"%s\" failed | <p>Cause: The request to take resource {tag} Out of Service on {server} for transfer to the local system has failed.</p> <p>Action: Check adjacent log messages for more details on the local system. Also, check the log messages on {server} for further details on the failure to remove the resource.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 004876 | ERROR | remote remove of resource \"%s\" on machine \"%s\" failed | <p>Cause: The request to take resource {tag} Out of Service on {server} for transfer to the local system has failed.</p> <p>Action: Check adjacent log messages for more details on the local system. Also, check the log messages on {server} for further details on the failure to remove the resource.</p> |
| 005045 | ERROR | tli_fdget_i::execute unable to establish a listener port | <p>Cause: A network connection could not be properly configured.</p> <p>Action: Verify that all network hardware and drivers are properly configured. If this message continues and resources cannot be put into service, contact Support.</p> |
| 005055 | ERROR | tli_fdget_o::execute - async connect failure | <p>Cause: A network connection could not be properly configured.</p> <p>Action: Verify that all network hardware and drivers are properly configured. If this message continues and resources cannot be put into service, contact Support.</p> |
| 005061 | ERROR | tli_fdget_o::execute - bind socket | <p>Cause: A network connection could not be properly configured.</p> <p>Action: Verify that all network hardware and drivers are properly configured. If this message continues and resources cannot be put into service, contact Support.</p> |
| 005145 | ERROR | opening the file | <p>Cause: A pipe could not be opened or created.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 005225 | WARN | so_driver::handle_error: sending/receiving data message erro %d: %s | <p>Cause: A message failed to be sent or received.</p> <p>Action: Check adjacent log messages for more details. This may be a temporary error, but if this error continues and servers cannot communicate, verify the network configuration on the servers.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 006012 | ERROR | quickCheck script '%s' failed to exit after %u seconds. Forcibly terminated. Please examine the script or adjust the LKCHECKINTERVAL parameter in %s. | <p>Cause: A quickCheck script is probably taking too long or hanging.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 006102 | ERROR | COMMAND OUTPUT: \$LKROOT/bin/sendevent | <p>Cause: This is output from a "sendevent "(event generator) command.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 006103 | ERROR | COMMAND OUTPUT: \$LKROOT/bin/sendevent | <p>Cause: This is output from a "sendevent" (event generator) command.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 006104 | ERROR | COMMAND OUTPUT: \$LKROOT/bin/sendevent | <p>Cause: This is output from a "sendevent" (event generator) command.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 007058 | ERROR | %s: %s failed on '%s', result:%d, Sense Key = %d. | <p>Cause: A SCSI device couldn't be reserved or have its status checked. This may be because the storage is malfunctioning or because the disk has been reserved by another server.</p> <p>Action: Check adjacent log messages for more details and verify that resources are being handled properly.</p> |
| 007059 | ERROR | %s: %s failed on '%s', result:%d. | <p>Cause: A SCSI device couldn't be reserved or have its status checked. This may be because the storage is malfunctioning or because the disk has been reserved by another server.</p> <p>Action: Check adjacent log messages for more details and verify that resources are being handled properly.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 007060 | EMERG | %s: failure on device '%s'. SYSTEM HALTED. | <p>Cause: A SCSI device couldn't be reserved or have its status checked. This may be because the storage is malfunctioning or because the disk has been reserved by another server. THE SERVER WILL BE REBOOTED/HALTED.</p> <p>Action: Verify that the storage is functioning properly and, if so, that resources were handled properly and have been put in service on another server.</p> |
| 007072 | ERROR | %s: failed to open SCSI device '%s', initiate recovery. ermo=0x%x, retry count=%d. | <p>Cause: The protected SCSI device could not be opened. The device may be failing or may have been removed from the system.</p> <p>Action: The system will be halted or a failover to the backup node will be initiated. The default action in this case is a failover, but this can be modified with the SCSIERROR tunable.</p> |
| 007073 | ERROR | %s: failed to open SCSI device '%s', RETRY. ermo=%d, retry count=%d. | <p>Cause: The protected SCSI device could not be opened. The device may be failing or may have been removed from the system.</p> <p>Action: This error is not critical. The operation will be retried in 5 seconds. If the problem persists, the system will perform a halt or resource failover.</p> |
| 007075 | ERROR | %s: RESERVATION CONFLICT on SCSI device '%s'. ret=%d, ermo=0x%x, retry count=%d. | <p>Cause: A SCSI device couldn't be reserved due to a conflict with another server. This may be because the storage is malfunctioning or because the disk has been reserved by another server.</p> <p>Action: Check adjacent log messages for more details and verify that resources are handled properly.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 007077 | ERROR | %s: DEVICE FAILURE on SCSI device '%s', initiate recovery. ret=%d, errno=0x%x, retry count=%d. | <p>Cause: A SCSI device couldn't be reserved or have its status checked. This may be because the storage is malfunctioning or because the disk has been reserved by another server.</p> <p>Action: Check adjacent log messages for more details and verify that resources are handled properly.</p> |
| 007078 | ERROR | %s: DEVICE FAILURE on SCSI device '%s', RETRY. ret=%d, errno=0x%x, retry count=%d. | <p>Cause: A SCSI device couldn't be reserved or have its status checked. This may be because the storage is malfunctioning or because the disk has been reserved by another server.</p> <p>Action: Check adjacent log messages for more details and verify that resources are handled properly.</p> |
| 010002 | WARN | flag \$flag not present, send message again. | <p>Cause: This message indicates an incomplete process that will be retried.</p> <p>Action: Check adjacent log messages for repeated errors.</p> |
| 010003 | ERROR | COMMAND OUTPUT: \$LKBIN/ins_remove | <p>Cause: This message is part of the output from an "ins_remove" command.</p> <p>Action: Check adjacent log messages for more details. This may not be a true error.</p> |
| 010004 | EMERG | Cannot find the \$LKROOT/config/lkstart-hook file. You must install the LifeKeeper Distribution Enabling package before starting \$PRODUCT. | <p>Cause: This error may be caused by installing LifeKeeper directly using the rpms, or perhaps by inadvertently removing an rpm from the system.</p> <p>Action: You should reinstall LifeKeeper using the 'setup' script on the installation media.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 010006 | WARN | fig_list -d \$i took more than \$pswait seconds to complete... | <p>Cause: A flag list operation on a server took much longer than expected. There may be a problem communicating with the other server.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 010007 | ERROR | flag \$flag not present, switchovers may occur. | <p>Cause: One of the servers in the cluster could not be told to disallow failover operations from the current server.</p> <p>Action: Check adjacent log messages for more details and monitor the cluster for unexpected behavior.</p> |
| 010008 | WARN | flag \$flag not present, send message again. | <p>Cause: A process is incomplete but will be retried.</p> <p>Action: Check adjacent log messages for more details and for repeated warnings/errors.</p> |
| 010023 | FATAL | LifeKeeper failed to initialize properly. | <p>Cause: There was a fatal error while attempting to start LifeKeeper.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 010025 | ERROR | `printf 'Unable to get a unique tag name on server "%s" for template resource "%s" \$MACH \$DISK` | <p>Cause: A suitable tag during the create process for a storage resource could not be automatically generated.</p> <p>Action: Check adjacent log messages for more details. Retry the operation if there are no other errors.</p> |
| 010034 | FATAL | Unable to start lcm. | <p>Cause: A core component of the software could not be started.</p> <p>Action: Check adjacent log messages for more details and try to resolve the reported problem.</p> |
| 010038 | WARN | Waiting for LifeKeeper core components to initialize has exceeded 10 seconds. Continuing anyway, check logs for further details. | <p>Cause: Some parts of the software are taking longer than expected to start up.</p> <p>Action: Perform the steps listed in the message text.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 010039 | WARN | Waiting for LifeKeeper core components to initialize has exceeded 10 seconds. Continuing anyway, check logs for further details. | <p>Cause: Some parts of the software are taking longer than expected to start up.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 010046 | ERROR | The dependency creation failed on server \$SERVER:" 'cat \$TEMP_FILE' | <p>Cause: A dependency relationship could not be created on the given server.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem</p> |
| 010063 | ERROR | \$REMSH error | <p>Cause: A command to request data to backup from another server failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010085 | ERROR | lkswitchback(\$MACH): Automatic switchback of \"\$- loctag\" failed | <p>Cause: The resource was not switched back over as expected.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010102 | ERROR | admin machine not specified | <p>Cause: Invalid parameters were specified for the "getlocks" operation.</p> <p>Action: Verify the parameters and retry the operation. If this error happens during normal operation, contact Support.</p> |
| 010107 | WARN | Lock for \$m is ignored because system is OOS | <p>Cause: A lock was ignored because the system for which the lock was created is not alive.</p> <p>Action: Check the logs for related errors. This may be a harmless error.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 010108 | ERROR | lock acquisition timeout | <p>Cause: Acquiring a lock tool longer than expected/allowed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010109 | ERROR | could not get admin locks." `cat /tmp/ER\$\$` | <p>Cause: The software failed to acquire a lock that is required to manage resources.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010112 | ERROR | lcdrpc failed with error no: \$LCDRPCRES | <p>Cause: A file could not be copied to another server.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010116 | ERROR | unable to set !lkstop flag | <p>Cause: A flag could not be set to indicate that the server is being stopped by user request.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010121 | ERROR | Extended logs aborted due to a failure in opening \$destination. (\$syserrmsg | <p>Cause: The execution of utility "lkexterlog" failed when opening the extended log file.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010132 | ERROR | Unable to retrieve reservation id from "%s". Error: "%s". Attempting to regenerate. | <p>Cause: Unable to open the file /opt/LifeKeeper/config/.reservation_id to retrieve the unique id used for SCSI 3 persistent reservations.</p> <p>Action: None. An attempt will be made to regenerate the ID and update the file.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 010133 | ERROR | No reservation ID exists in "%s". A new ID must be generated by running "%s/bin/genresid -g" on "%s". | <p>Cause: A unique reservation id has not been defined.</p> <p>Action: Take all resources out of service on this node and then run "/opt/LifeKeeper/bin/genresid -g" to generate a unique reservation id.</p> |
| 010134 | ERROR | LifeKeeper does not appear to be running. Unable to determine the uniqueness of the reservation ID within the cluster. | <p>Cause: LifeKeeper was not running when an attempt to check the uniqueness of the reservation id was made.</p> <p>Action: Start LifeKeeper and rerun the uniqueness check via "/opt/LifeKeeper/bin/genresid -v".</p> |
| 010135 | ERROR | The current reservation ID of "%s" is not unique within the cluster. A new ID must be generated by running "%s/bin/genresid -g" on "%s". | <p>Cause: The reservation id defined for the system is not unique within the cluster and cannot be used.</p> <p>Action: Take all resources out of service on this node and then run "/opt/LifeKeeper/bin/genresid -g" to generate a unique reservation id.</p> |
| 010136 | ERROR | Unable to store reservation id in "%s". Error: "%s" | <p>Cause: Unable to open the file /opt/LifeKeeper/config.reservation_id to store the unique id used for SCSI 3 persistent reservations.</p> <p>Action: Correct the error listed as the reason the open failed and then take all resources out of service on this node and then run "/opt/LifeKeeper/bin/genresid -g" to generate a new unique reservation id.</p> |
| 010137 | ERROR | Failed to generate a reservation ID that is unique within the cluster. | <p>Cause: The generated reservation id is already defined on another node in the cluster and must be unique within the cluster.</p> <p>Action: Take all resources out of service on this node and then run "/opt/LifeKeeper/bin/genresid -g" to generate a new unique reservation id.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 010222 | ERROR | scsifree(%s): LKSCSI_Release(%s) unsuccessful | <p>Cause: A SCSI device that appeared to be reserved was not released as expected.</p> <p>Action: Check the logs for related errors and try to resolve any reported problems. This error may be benign if the system is functioning properly.</p> |
| 010231 | ERROR | scsiplock(%s): reserve failed. | <p>Cause: A reservation on a SCSI device could not be acquired.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010250 | ERROR | Failed to exec command '%s' | <p>Cause: The "lklogmsg" tool failed to execute a sub-command {command}.</p> <p>Action: Check the logs for related errors and try to resolve any reported problems. Verify that the sub-command exists and is a valid command or program. If this message happens during normal operation, contact Support.</p> |
| 010402 | EMERG | local recovery failure on resource \$opts{'N'}, trigger VMware HA... | <p>Cause: When in LifeKeeper Single Server Protection operation, a resource could not be recovered and VMware-HA is about to be triggered to handle the failure (if VMware-HA is enabled).</p> <p>Action: No action is required. VMware should handle the failure.</p> |
| 010413 | ERROR | COMMAND OUTPUT: cat /tmp/err\$\$ | <p>Cause: This is the output from an "snmptrap" command that may have failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 010420 | EMERG | local recovery failure on resource \$opts{'N'}, trigger reboot... | <p>Cause: When in LifeKeeper Single Server Protection operation, a resource could not be recovered and a reboot is about to be triggered to handle the failure.</p> <p>Action: No action is required.</p> |
| 010440 | ERROR | [\$SUBJECT event] mail returned \$err | <p>Cause: This indicates a notification email could not be sent via the "mail" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010443 | ERROR | COMMAND OUTPUT: cat /tmp/err\$\$ | <p>Cause: This is the output from a "mail" command that may have failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010445 | ERROR | COMMAND OUTPUT: cat /tmp/err\$\$ | <p>Cause: This is the output from a "mail" command that may have failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010463 | ERROR | LifeKeeper: name of machine is not specified, ARGS-S=\$ARGS | <p>Cause: Invalid arguments were specified for the "comm_down" event.</p> <p>Action: Check your LifeKeeper configuration and retry the operation.</p> |
| 010471 | ERROR | COMM_DOWN: Attempt to obtain local comm_down lock flag failed | <p>Cause: During the handling of a communication failure with another node, a local lock could not be acquired. This will likely stop a failover from proceeding.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. If failovers are not taking place properly, contact Support.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 010482 | ERROR | LifeKeeper: name of machine is not specified, ARGS-S=\$ARGS | <p>Cause: Invalid arguments were specified for the "comm_up" event.</p> <p>Action: Check your LifeKeeper configuration and retry the operation.</p> |
| 010484 | WARN | flg_list -d \$MACH check timed-out (\$delay seconds). | <p>Cause: "flg_list" command reached its timeout value {delay} seconds.</p> |
| 010487 | WARN | flg_list -d \$MACH check timed-out, unintended switchovers may occur. | <p>Cause: "flg_list" command reached its timeout value.</p> <p>Action: Switch back the resource tree if unintended switchover occurs.</p> |
| 010492 | WARN | \$m | <p>Cause: One of other servers looked dead to this server {server}, but witness servers did not agree.</p> <p>Action: Ensure other server is dead and switch over the resource manually.</p> |
| 010494 | ERROR | LifeKeeper: COMM_UP to machine \$MACH completed with errors. | <p>Cause: An unexpected failure occurred during "COMM_UP" event.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 010503 | ERROR | lcrecover hung or returned error, attempting kill of process \$FPID | <p>Cause: "lcrecover" took too long or errored out.</p> |
| 010506 | ERROR | Intelligent Switchback Check Failed | <p>Cause: Failed 5 times to perform "lcrecover."</p> <p>Action: Switch over the resource tree manually.</p> |
| 010508 | ERROR | [\$SUBJECT] sent to \$LK_NOTIFY_ALIAS | <p>Cause: This message is for information only.</p> |
| 010600 | ERROR | removing hierarchy remnants | |
| 010627 | WARN | Equivalency Trim: does not have a full complement of equivalencies. Hierarchy will be unextended from | |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 010629 | WARN | Your hierarchy exists on only one server. Your application has no protection until you extend it to at least one other server. | |
| 010712 | ERROR | Unextend hierarchy failed | <p>Cause: A resource hierarchy failed to be unextended from a server.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 010746 | ERROR | \$ERRMSG Target machine \" <code>\$TARGET_MACH</code> \" does not have an active LifeKeeper communication path to machine \" <code>\$aMach</code> \" in the hierarchy. >&2 | <p>Cause: A hierarchy cannot be unextended because the target server does not have adequate communication with the other servers in the cluster.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Ensure that all servers have communication paths to each other.</p> |
| 011000 | ERROR | appremote: unknown command type %d('%c')\n | <p>Cause: Internal error.</p> <p>Action: Try restarting the product.</p> |
| 011001 | ERROR | depremote: unknown command type %d('%c')\n | <p>Cause: Internal error.</p> <p>Action: Try restarting the product.</p> |
| 011002 | ERROR | eqvremote: unknown command type %d('%c')\n | <p>Cause: Internal error.</p> <p>Action: Try restarting the product.</p> |
| 011003 | ERROR | flgremote: unknown command type %d('%c')\n | <p>Cause: Internal error.</p> <p>Action: Try restarting the product.</p> |
| 011004 | WARN | Illegal creation of resource | <p>Cause: This will not occur under normal circumstances.</p> |
| 011011 | FATAL | %s | <p>Cause: LifeKeeper could not get IPC key.</p> <p>Action: Check adjacent log messages for more details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 011012 | FATAL | semget(%s,%c | <p>Cause: LifeKeeper could not get semaphore set id.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 011013 | FATAL | shmget(%s,%c | <p>Cause: System could not allocate a shared memory segment.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 011014 | FATAL | prefix_lkroot("out" | <p>Cause: A system error has occurred while accessing /opt/LifeKeeper/out.</p> <p>Action: Determine why /opt/LifeKeeper/out is not accessible.</p> |
| 011015 | ERROR | DEMO_UPGRADE_MSG | <p>Cause: You are running a demo license.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011016 | ERROR | lic_single_node_msg | <p>Cause: You have a license for LifeKeeper Single Server Protection but you do not have LifeKeeper Single Server Protection installed.</p> <p>Action: Either install LifeKeeper Single Server Protection or obtain a license that matches the product you are running.</p> |
| 011017 | ERROR | lic_init_fail_msg, "flex_init failed" | <p>Cause: License manager initialization failed.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 011018 | ERROR | lic_init_fail_msg, lc_errstring(lm_job | <p>Cause: License manager initialization failed.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 011019 | EMERG | lic_init_fail_msg, "flex_init failed" | <p>Cause: License manager initialization failed.</p> <p>Action: Check adjacent log messages for more details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 011020 | EMERG | lic_init_fail_msg, lc_errstring(lm_job | Cause: License manager initialization failed. Action: Check adjacent log messages for more details. |
| 011021 | EMERG | lic_error_msg, lc_errstring(lm_job | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011022 | EMERG | lic_error_msg, lc_errstring(lm_job | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011023 | EMERG | lic_no_rest_suite, "" | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011024 | EMERG | lic_error_msg, lc_errstring(lm_job | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011025 | EMERG | lic_no_license, "" | Cause: LifeKeeper could not find valid license keys. Action: Ensure license keys are valid for the server and retry the operation. |
| 011026 | EMERG | lic_error_msg, lc_errstring(lm_job | Cause: There is an unknown problem with your license. Action: Contact Support to obtain a new license. |
| 011027 | EMERG | lic_no_license, "" | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011028 | ERROR | lang_error_msg | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 011029 | FATAL | can't set reply system | <p>Cause: A message failed to be sent.</p> <p>Action: Check adjacent log messages for more details. This may be a temporary error.</p> |
| 011030 | FATAL | can't set reply mailbox | <p>Cause: A message failed to be sent.</p> <p>Action: Check adjacent log messages for more details. This may be a temporary error.</p> |
| 011031 | ERROR | Failure reading output of '%s' on behalf of %s | <p>Cause: A system error has occurred while accessing temporary file /tmp/OUT.{pid}.</p> <p>Action: Determine why /tmp/OUT.{pid} is not accessible.</p> |
| 011032 | ERROR | Failure reading output of '%s' | <p>Cause: A system error has occurred while accessing temporary file /tmp/ERR.{pid}.</p> <p>Action: Determine why /tmp/ERR.{pid} is not accessible.</p> |
| 011033 | ERROR | event \"%s,%s\" already posted for resource with id \"%s\" | <p>Cause: This message is for information only.</p> |
| 011034 | ERROR | no resource has id of \"%s\" | <p>Cause: LifeKeeper could not find the {id} resource.</p> <p>Action: Verify the parameters and retry the "sendevent" operation.</p> |
| 011044 | ERROR | flagcleanup:fopen(%s | <p>Cause: A system error has occurred while reading /opt/LifeKeeper/config/flg.</p> <p>Action: Determine why /opt/LifeKeeper/config/flg is not readable.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 011045 | ERROR | flagcleanup:fopen(%s | <p>Cause: A system error has occurred while writing /opt/LifeKeeper/config/flg.</p> <p>Action: Determine why /opt/LifeKeeper/config/flg is not writable.</p> |
| 011046 | ERROR | flagcleanup:fputs(%s | <p>Cause: A system error has occurred while writing /opt/LifeKeeper/config/flg.</p> <p>Action: Determine why /opt/LifeKeeper/config/flg is not writable.</p> |
| 011047 | ERROR | flagcleanup:rename(%s,%s | <p>Cause: A system error has occurred while renaming /opt/LifeKeeper/config/.flg to /opt/LifeKeeper/config/flg.</p> <p>Action: Determine why /opt/LifeKeeper/config/flg was not able to be renamed.</p> |
| 011048 | ERROR | flagcleanup:chmod(%s | <p>Cause: A system error has occurred while changing permissions in /opt/LifeKeeper/config/flg.</p> <p>Action: Determine why LifeKeeper could not change permissions in /opt/LifeKeeper/config/flg.</p> |
| 011049 | ERROR | License check failed with error code %d | <p>Cause: There is a problem with your license.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011051 | ERROR | lcdinit: clearing Disk Reserve file failed | <p>Cause: A system error has occurred while writing /opt/LifeKeeper/subsys/scsi/resources/disk/disk.reserve.</p> <p>Action: Determine why /opt/LifeKeeper/subsys/scsi/resources/disk/disk.reserve is not writable.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 011052 | FATAL | malloc() failed | <p>Cause: The system could not allocate memory for LifeKeeper.</p> <p>Action: Increase the process limit for the data segment.</p> |
| 011053 | FATAL | lcm_is_unavail | <p>Cause: A system error has occurred while writing /tmp/LK_IS_UNAVAIL.</p> <p>Action: Determine why /tmp/LK_IS_UNAVAIL is not writable.</p> |
| 011054 | FATAL | lk_is_unavail | <p>Cause: A system error has occurred while writing /opt/LifeKeeper/config/LK_IS_ON.</p> <p>Action: Determine why /opt/LifeKeeper/config/LK_IS_ON is not writable.</p> |
| 011055 | FATAL | usr_alarm_config_LK_IS_ON | <p>Cause: A system error has occurred while writing /tmp/LCM_IS_UNAVAI.</p> <p>Action: Determine why /tmp/LCM_IS_UNAVAI is not writable.</p> |
| 011056 | ERROR | License check failed with error code %d | <p>Cause: There is a problem with your license.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011057 | ERROR | lcdremote: unknown command type %d('%c')\n | <p>Cause: A message failed to be received.</p> <p>Action: Check adjacent log messages for more details. This may be a temporary error, but if this error continues and servers cannot communicate, verify the network configuration on the servers.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 011059 | FATAL | Could not write to: %s | <p>Cause: A system error has occurred while accessing /opt/LifeKeeper/config/LK_START_TIME.</p> <p>Action: Determine why /opt/LifeKeeper/config/LK_START_TIME is not accessible.</p> |
| 011060 | FATAL | received NULL message | <p>Cause: A message failed to be received.</p> <p>Action: Check adjacent log messages for more details. This may be a temporary error, but if this error continues and servers cannot communicate, verify the network configuration on the servers.</p> |
| 011061 | ERROR | unknown data type %d('%c') on machine \"%s\"\\n | <p>Cause: A message failed to be received.</p> <p>Action: Check adjacent log messages for more details. This may be a temporary error, but if this error continues and servers cannot communicate, verify the network configuration on the servers.</p> |
| 011062 | WARN | LifeKeeper shutdown in progress. Unable to perform fail-over recovery processing for %s\\n | <p>Cause: LifeKeeper was unable to fail over the given resource during shutdown.</p> <p>Action: Switch over the resource tree to other server manually.</p> |
| 011063 | WARN | LifeKeeper resource initialization in progress. Unable to perform failover recovery processing for %s\\n | <p>Cause: LifeKeeper was unable to fail over the given resource during start up.</p> <p>Action: Switch over the resource tree manually after LifeKeeper starts up.</p> |
| 011068 | ERROR | ERROR on command %s | <p>Cause: An error occurred while running the "rlslocks" command.</p> <p>Action: Check adjacent messages for more details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 011070 | ERROR | ERROR on command %s | <p>Cause: An error occurred while running the "getlocks" command.</p> <p>Action: Check adjacent log messages for more details.</p> |
| 011081 | FATAL | Failed to ask ksh to run: %s | <p>Cause: A system error has occurred while invoking ksh.</p> <p>Action: Make sure the pdksh (v8.0 and earlier) or the steeleye-pdksh (v81 and later) package is installed.</p> |
| 011082 | ERROR | Failed to remove: %s | <p>Cause: A system error has occurred while removing /tmp/LCM_IS_UNAVAIL.</p> <p>Action: Determine why /tmp/LCM_IS_UNAVAIL is not removable.</p> |
| 011083 | ERROR | Failed to remove: %s | <p>Cause: A system error has occurred while trying to unlink /tmp/LK_IS_UNAVAIL.</p> <p>Action: Determine why /tmp/LK_IS_UNAVAIL is not removable.</p> |
| 011084 | FATAL | Failed to generate an IPC key based on: %s | <p>Cause: A system error has occurred while accessing /opt/LifeKeeper.</p> <p>Action: Determine why /opt/LifeKeeper is not accessible.</p> |
| 011085 | ERROR | semget(%s,%c) failed | <p>Cause: A system error has occurred while removing a semaphore.</p> <p>Action: Try to remove the semaphore manually.</p> |
| 011086 | ERROR | shmget(%s,%c) failed | <p>Cause: A system error has occurred while removing a shared memory segment.</p> <p>Action: Try to remove the shared memory segment manually.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 011087 | ERROR | semctl(IPC_RMID) failed | <p>Cause: A system error has occurred while removing a semaphore.</p> <p>Action: Try to remove the semaphore manually.</p> |
| 011088 | ERROR | shmctl(IPC_RMID) failed | <p>Cause: A system error has occurred while removing a shared memory segment.</p> <p>Action: Try to remove the shared memory segment manually.</p> |
| 011089 | FATAL | Execution of lcdstatus on remote system <%s> failed\n | <p>Cause: The remote {node} is down, inaccessible via the network or some other system problem occurred on the remote node.</p> <p>Action: Bring the remote node back online, or check adjacent messages for additional information, or check the logs on the remote node for additional information.</p> |
| 011091 | WARN | | <p>Cause: This will not occur under normal circumstances.</p> |
| 011092 | FATAL | | <p>Cause: There is a problem with your license.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 011093 | FATAL | | <p>Cause: There is a problem with your license.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 011094 | FATAL | | <p>Cause: There is a problem with your license.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 011095 | FATAL | | <p>Cause: There is a problem with your license.</p> <p>Action: Perform the steps listed in the message text.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---------|---|
| 011096 | FATAL | | Cause: There is a problem with your license. Action: Perform the steps listed in the message text. |
| 011097 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011098 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011099 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011100 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011101 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011102 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011103 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011104 | FATAL | | Cause: There is a problem with your license. Action: Contact Support to obtain a new license. |
| 011105 | FATAL | | Cause: There is a problem with your license. Action: Perform the steps listed in the message text. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 011111 | ERROR | action \"%s\" on resource with tag \"%s\" has failed | Cause: The {action} for resource {tag} has failed. Action: See adjacent error messages for further details. |
| 011112 | ERROR | | Cause: LifeKeeper could not find the network device. Action: Check your LifeKeeper configuration. |
| 011117 | ERROR | sysremote: system \"%s\" not found on \"%s\" | Cause: An invalid system name was provided. Action: Recheck the system name and rerun the command. |
| 011129 | ERROR | Failure during run of '%s' on behalf of %s | Cause: Command execution failed. Action: See message details to determine the problem. |
| 011130 | ERROR | %s | Cause: The command {command} produced unexpected output. Action: Action should be determined by the content of adjacent error messages. |
| 011131 | EMERG | demo_update_msg | Cause: There is a problem with your demo license. Action: Contact Support to obtain a new license. |
| 011132 | EMERG | demo_tamper_msg | Cause: You have a demo license and clock tampering has been detected. Action: Contact Support to obtain a new license. |
| 011133 | EMERG | demo_tamper_msg | Cause: You have a demo license and clock tampering has been detected. Action: Contact Support to obtain a new license. |
| 011134 | EMERG | demo_expire_msg | Cause: The demo license for this product has expired. Action: Contact Support to obtain a new license. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 011135 | EMERG | demo_tamper_msg | <p>Cause: You have a demo license and clock tampering has been detected.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011136 | EMERG | buf | <p>Cause: You are running a demo license.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011138 | EMERG | buf | <p>Cause: You are running a demo license.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011142 | WARN | LifeKeeper Recovery Kit %s license key NOT FOUND | <p>Cause: An Application Recovery Kit license for {kit} was not found.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011150 | ERROR | COMMAND OUTPUT: %s | <p>Cause: The command "eventslcm" produced unexpected output.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 011151 | EMERG | &localebuf[3] | <p>Cause: This version of the LifeKeeper core package is restricted to being used within the territories of the People's Republic of China or Japan.</p> |
| 011152 | EMERG | Localized license failure | <p>Cause: There was a mis-match between your locale and the locale for which the product license was created.</p> <p>Action: Contact Support to obtain a new license which matches your locale.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 011154 | EMERG | Single Node flag check failed. | <p>Cause: You have a license for LifeKeeper Single Server Protection but you do not have LifeKeeper Single Server Protection installed.</p> <p>Action: Either install LifeKeeper Single Server Protection or obtain a license that matches the product you are running.</p> |
| 011155 | EMERG | lic_master_exp_msg, "" | <p>Cause: Your license key for this product has expired.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011162 | EMERG | lic_restricted_exp_msg, "" | <p>Cause: Your license key for this product has expired.</p> <p>Action: Contact Support to obtain a new license.</p> |
| 011163 | EMERG | Single Node license check failed | <p>Cause: You have a license for LifeKeeper Single Server Protection but you do not have LifeKeeper Single Server Protection installed.</p> <p>Action: Either install LifeKeeper Single Server Protection or obtain a license that matches the product you are running.</p> |
| 011164 | EMERG | demo_expire_msg, DEMO_UPGRADE_MSG | <p>Cause: Your license key for this product has expired.</p> <p>Action: Please contact Support to obtain a permanent license key for your product.</p> |
| 015000 | ERROR | COMMAND OUTPUT: /opt/LifeKeeper/sbin/steeleye-lighttpd | <p>Cause: An error has occurred with the "steeleye-lighttpd" process. Specific details of the error are included in the actual log message.</p> <p>Action: Correct the configuration and "steeleye-lighttpd" will automatically be restarted.</p> |
| 103001 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | <p>Cause: The db2nodes.cfg does not contain any server names.</p> <p>Action: Ensure the db2nodes.cfg is valid.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103002 | ERROR | LifeKeeper was unable to get the version for the requested instance "%s" | Cause: "db2level" command did not return DB2 version. Action: Check your DB2 configuration. |
| 103003 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance. Action: Check your DB2 configuration. |
| 103004 | ERROR | Unable to get the information for resource "%s" | Cause: Failed to get resource information. Action: Check your LifeKeeper configuration. |
| 103005 | ERROR | Unable to get the information for resource "%s" | Cause: Failed to get resource information. Action: Check your LifeKeeper configuration. |
| 103006 | ERROR | Unable to get the instance information for resource "%s" | Cause: Failed to get the instance information. Action: Check your LifeKeeper configuration. |
| 103007 | ERROR | Unable to get the instance home directory information for resource "%s" | Cause: Failed to get the instance home directory path. Action: Check your LifeKeeper configuration. |
| 103008 | ERROR | Unable to get the instance type information for resource "%s" | Cause: The DB2 Application Recovery Kit found invalid instance type. Action: Check your LifeKeeper configuration. |
| 103009 | ERROR | LifeKeeper has encountered an error while trying to get the database configuration parameters for database \"\$DB\" | Cause: There was an unexpected error running "db2 get db cfg for \$DB" command. Action: Check the logs for related errors and try to resolve the reported problem. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103012 | ERROR | LifeKeeper was unable to start the database server for instance "%s" | <p>Cause: The requested startup of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "restore" operation.</p> |
| 103013 | ERROR | LifeKeeper was unable to start the database server for instance "%s" | <p>Cause: The requested startup of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "restore" operation.</p> |
| 103015 | ERROR | An entry for the home directory "%s" of instance "%s" does not exist in "/etc/fstab" | <p>Cause: The home directory of instance of Multiple Partition database should exist in "/etc/fstab".</p> <p>Action: Ensure the home directory exists in "/etc/fstab".</p> |
| 103016 | ERROR | LifeKeeper was unable to mount the home directory for the DB2 instance "%s" | <p>Cause: Failed to mount the home directory of instance of Multiple Partition database.</p> <p>Action: Ensure the home directory is mounted and retry the operation.</p> |
| 103017 | ERROR | Unable to get the instance nodes information for resource "%s" | <p>Cause: Failed to get the instance nodes.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 103018 | ERROR | LifeKeeper was unable to start database partition server "%s" for instance "%s" | <p>Cause: The requested startup of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "restore" operation.</p> |
| 103020 | ERROR | LifeKeeper was unable to stop the database server for instance "%s" | <p>Cause: The requested shutdown of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "remove" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103021 | ERROR | LifeKeeper was unable to stop the database server for instance "%s" | <p>Cause: The requested shutdown of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "remove" operation.</p> |
| 103023 | ERROR | Unable to get the instance nodes information for resource "%s" | <p>Cause: Failed to get the instance nodes.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 103024 | ERROR | LifeKeeper was unable to stop database partition server "%s" for instance "%s" | <p>Cause: The requested shutdown of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "remove" operation.</p> |
| 103026 | ERROR | Unable to get the instance nodes information for resource "%s" | <p>Cause: Failed to get the instance nodes.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 103027 | FATAL | The argument for the DB2 instance is empty | <p>Cause: Invalid parameters were specified for the create operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103028 | FATAL | Unable to determine the DB2 instance home directory | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory.</p> <p>Action: Ensure the instance owner name is same as the instance name and retry the operation.</p> |
| 103029 | FATAL | Unable to determine the DB2 instance type | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type.</p> <p>Action: Check your DB2 configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103030 | FATAL | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | <p>Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance.</p> <p>Action: Check your DB2 configuration.</p> |
| 103031 | ERROR | The path "%s" is not on a shared filesystem | <p>Cause: The instance home directory should be on a shared filesystem.</p> <p>Action: Ensure the path is on shared filesystem and retry the create operation.</p> |
| 103032 | ERROR | LifeKeeper was unable to get the DB tablespace containers for instance "%s" or the log path for one of its databases | <p>Cause: LifeKeeper could not determine the location of the database table space containers or verify that they are located in a path which is on a mounted filesystem.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "create" operation.</p> |
| 103033 | ERROR | The path "%s" is not on a shared filesystem | <p>Cause: The path of database table space container should be on a shared filesystem.</p> <p>Action: Ensure database table space container is on a shared filesystem and retry the operation.</p> |
| 103034 | ERROR | A DB2 Hierarchy already exists for instance "%s" | <p>Cause: An attempt was made to protect the DB2 instance that is already under LifeKeeper protection.</p> <p>Action: You must select a different DB2 instance for LifeKeeper protection.</p> |
| 103035 | ERROR | The file system resource "%s" is not in-service | <p>Cause: The file system which the DB2 resource depends on should be in service.</p> <p>Action: Ensure the file system resource is in service and retry the "create" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103036 | ERROR | Unable to create the hierarchy for raw device "%s" | <p>Cause: LifeKeeper was unable to create the resource {raw device} .</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 103037 | ERROR | A RAW hierarchy does not exist for the tag "%s" | <p>Cause: LifeKeeper was unable to find the raw resource {tag} .</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 103038 | ERROR | LifeKeeper was unable to create a dependency between the DB2 hierarchy "%s" and the Raw hierarchy "%s" | <p>Cause: The requested dependency creation between the parent DB2 resource and the child Raw resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the "create" operation.</p> |
| 103039 | ERROR | LifeKeeper could not disable the automatic startup feature of DB2 instance "%s" | <p>Cause: An unexpected error occurred while attempting to update the DB2 setting.</p> <p>Action: The DB2AUTOSTART will need to be updated manually to turn off the automatic startup of the instance at system boot.</p> |
| 103040 | ERROR | DB2 version "%s" is not installed on server "%s" | <p>Cause: LifeKeeper could not find DB2 installed location.</p> <p>Action: Check your DB2 configuration.</p> |
| 103041 | ERROR | The instance owner "%s" does not exist on target server "%s" | <p>Cause: An attempt to retrieve the DB2 instance owner from template server during a "canextend" or "extend" operation failed.</p> <p>Action: Verify the DB2 instance owner exists on the specified server. If the user does not exist, it should be created with the same uid and gid on all servers in the cluster.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 103042 | ERROR | The instance owner "%s" uids are different on target server "%s" and template server "%s" | <p>Cause: The user id on the target server {target server} for the DB2 instance owner {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The user ids for the DB2 instance owner {user} must match on all servers in the cluster. The user id mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103043 | ERROR | The instance owner "%s" gids are different on target server "%s" and template server "%s" | <p>Cause: The group id on the target server {target server} for the DB2 instance owner {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The group ids for the DB2 instance owner {user} must match on all servers in the cluster. The group id mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103044 | ERROR | The instance owner "%s" home directories are different on target server "%s" and template server "%s" | <p>Cause: The home directory location of the user {user} on the target server {target server} does not match the DB2 instance owner's home directory on the template server {template server}.</p> <p>Action: The home directory location of the DB2 instance owner {user} must match on all servers in the cluster. The location mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103045 | ERROR | LifeKeeper was unable to get the DB2 "SVCENAME" parameter for the DB2 instance | <p>Cause: There was an unexpected error running "db2 get dbm cfg" command.</p> <p>Action: Check your DB2 configuration.</p> |
| 103046 | ERROR | Unable to get the value of the DB2 "SVCENAME" parameter for the DB2 instance %s. | <p>Cause: The DB2 "SVCENAME" parameter is set to null.</p> <p>Action: Check your DB2 configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103047 | ERROR | LifeKeeper was unable to get the contents of the "/etc/services" file on the server "%s" | <p>Cause: "/etc/services" on the template server does not contain the service names for the DB2 instance.</p> <p>Action: The service names in "/etc/services" for the DB2 instance must match on all servers in the cluster. The service names mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103048 | ERROR | LifeKeeper was unable to get the contents of the "/etc/services" file on the server "%s" | <p>Cause: "/etc/services" on the target server does not contain the service names for the DB2 instance.</p> <p>Action: The service names in "/etc/services" for the DB2 instance must match on all servers in the cluster. The service names mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103049 | ERROR | The "/etc/services" entries for the instance "%s" are different on target server "%s" and template server "%s" | <p>Cause: The "/etc/services" entries for the instance are mismatched.</p> <p>Action: The service names in "/etc/services" for the DB2 instance must match on all servers in the cluster. The service names mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103050 | ERROR | The home directory "%s" for instance "%s" is not mounted on server "%s" | <p>Cause: LifeKeeper could not find db2nodes.cfg for Multiple Partition instance.</p> <p>Action: Ensure the home directory is mounted and retry the operation.</p> |
| 103051 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: Failed to get resource information from the template server.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103052 | ERROR | LifeKeeper was unable to add instance "%s" and/or its variables to the DB2 registry | <p>Cause: There was an unexpected error running "db2iset" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 103054 | ERROR | Unable to determine the DB2 instance type | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type.</p> <p>Action: Check your DB2 configuration.</p> |
| 103055 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | <p>Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance.</p> <p>Action: Check your DB2 configuration.</p> |
| 103060 | ERROR | Unable to determine the DB2 instance home directory | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory.</p> <p>Action: Ensure the instance owner name is same as the instance name and retry the operation.</p> |
| 103061 | ERROR | Unable to determine the DB2 instance type | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type.</p> <p>Action: Check your DB2 configuration.</p> |
| 103062 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | <p>Cause: The DB2 Application Recovery Kit was unable to find the node for the DB2 instance.</p> <p>Action: Check your DB2 configuration.</p> |
| 103063 | ERROR | Unable to determine the DB2 install path | <p>Cause: The DB2 Application Recovery Kit was unable to find DB2 for the instance.</p> <p>Action: Check your DB2 configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103065 | ERROR | Invalid input provided for "%s" utility operation, characters are not allowed. | <p>Cause: Invalid parameters were specified for the "nodes" command.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103066 | ERROR | Unable to get the information for resource "%s" | <p>Cause: LifeKeeper was unable to find the resource {tag}.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103067 | ERROR | The DB2 instance "%s" is not a EEE or Multiple Partition instance | <p>Cause: The resource {tag} is single partition instance.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103069 | ERROR | Node "%s" is already protected by this hierarchy | <p>Cause: Invalid parameters were specified for the "nodes" command.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103070 | ERROR | Node number "%s" is the last remaining node protected by resource "%s". Deleting all nodes is not allowed. | <p>Cause: Invalid parameters were specified for the "nodes" command.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103071 | ERROR | LifeKeeper is unable to get the equivalent instance for resource "%s" | <p>Cause: There was an unexpected error running "nodes" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 103072 | ERROR | Unable to set NodesInfo for resource "%s" on "%s" | <p>Cause: There was an unexpected error running "nodes" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103073 | ERROR | Unable to set NodesInfo for resource "%s" on "%s" | <p>Cause: There was an unexpected error running "nodes" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 103076 | ERROR | Unable to determine the DB2 instance type | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type.</p> <p>Action: Check your DB2 configuration.</p> |
| 103077 | ERROR | Unable to determine the DB2 instance home directory | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory.</p> <p>Action: Ensure the instance owner name is same as the instance name and retry the operation.</p> |
| 103078 | ERROR | The database server is not running for instance "%s" | <p>Cause: A process check for the DB2 instance did not find any processes running.</p> <p>Action: The DB2 instance must be started.</p> |
| 103079 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | <p>Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance.</p> <p>Action: Check your DB2 configuration.</p> |
| 103080 | ERROR | One or more of the database partition servers for instance "%s" is down | <p>Cause: All database partition servers should be running.</p> <p>Action: Ensure all database partition servers are running and retry the operation.</p> |
| 103082 | ERROR | Failed to create flag "%s" | <p>Cause: An unexpected error occurred attempting to create a flag for controlling DB2 local recovery processing.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103083 | ERROR | Failed to remove flag "%s" | <p>Cause: An unexpected error occurred attempting to remove a flag for controlling DB2 local recovery processing.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 103084 | ERROR | Unable to determine the DB2 instance \"\${Instance}\" home directory | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory.</p> <p>Action: Ensure the instance owner name is same as the instance name and retry the operation.</p> |
| 104002 | FATAL | \$msg | <p>Cause: This message indicates an internal software error.</p> <p>Action: The stack trace indicates the source of the error.</p> |
| 104003 | FATAL | \$self->Val('Tag') . " is not an SDR resource" | <p>Cause: A data replication action was attempted on a non data replication resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104010 | ERROR | \$self->{'md'}: bitmap merge failed, \$action | <p>Cause: The bitmap merge operation has failed.</p> <p>Action: The target server may have the mirror and/or protected filesystem mounted, or the bitmap file may be missing on the target. Check the target server.</p> |
| 104022 | ERROR | \$argv[1]: mdadm failed (\$ret | <p>Cause: The "mdadm" command has failed to add a device into the mirror.</p> <p>Action: This is usually a temporary condition.</p> |
| 104023 | ERROR | \$_ | <p>Cause: The message contains the output of the "mdadm" command.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 104025 | ERROR | failed to spawn monitor | <p>Cause: The system failed to start the 'mdadm -F' monitor process. This should not happen under normal circumstances.</p> <p>Action: Reboot the system to ensure that any potential conflicts are resolved.</p> |
| 104026 | ERROR | cannot create \$md | <p>Cause: The mirror device could not be created.</p> <p>Action: Ensure the device is not already in use and that all other parameters for the mirror creation are correct.</p> |
| 104027 | ERROR | \$_ | <p>Cause: This message contains the "mdadm" command output.</p> |
| 104035 | ERROR | Too many failures. Aborting resync of \$md | <p>Cause: The device was busy for an abnormally long period of time.</p> <p>Action: Reboot the system to be sure that the device is no longer busy.</p> |
| 104036 | ERROR | Failed to start nbd-server on \$target (error \$port | <p>Cause: The nbd-server process could not be started on the target server.</p> <p>Action: Ensure that the target disk device is available and that its Device ID has not changed.</p> |
| 104037 | ERROR | Failed to start compression (error \$port | <p>Cause: The system was unable to start the 'balance' tunnel process or there was a network problem.</p> <p>Action: Ensure that the network is operating properly and that TCP ports in the range 10000-10512 are opened and unused. Ensure that the software is installed properly on all systems.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 104038 | ERROR | Failed to start nbd-client on \$source (error \$ret | <p>Cause: The nbd-client process has failed to start on the source server.</p> <p>Action: Look up the reported errno value and try to resolve the problem reported. For example, an errno value of 110 means "Connection timed out", which may indicate a network or firewall problem.</p> |
| 104039 | ERROR | Failed to add \$nbd to \$md on \$source | <p>Cause: This is usually a temporary condition.</p> <p>Action: If this error persists, reboot the system to resolve any potential conflicts.</p> |
| 104045 | ERROR | failed to stop \$self->{'md'} | <p>Cause: The mirror device could not be stopped.</p> <p>Action: Ensure that the device is not busy or mounted. Try running "mdadm --stop" manually to stop the device.</p> |
| 104048 | WARN | failed to kill \$proc, pid \$pid | <p>Cause: The process could not be signalled. This may indicate that the process has already died.</p> <p>Action: Ensure that the process in question is no longer running. If it is, then reboot the system to clear up the unkillable process.</p> |
| 104050 | ERROR | Setting \$name on \$dest failed: \$ret. Please try again. | <p>Cause: The system failed to set a 'mirrorinfo' file setting.</p> <p>Action: Check the network and systems and retry the mirror setting operation.</p> |
| 104052 | FATAL | Specified existing mount point "%s" is not mounted | <p>Cause: The mount point became unmounted.</p> <p>Action: Ensure that the mount point is mounted and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 104055 | ERROR | Failed to set up temporary \$type access to data for \$self->{'tag'}. Error: \$ret | <p>Cause: The filesystem or device was not available on the target server. The mirrored data will not be available on the target server until the mirror is paused and resumed again.</p> <p>Action: Reboot the target server to resolve any potential conflicts.</p> |
| 104057 | ERROR | Failed to undo temporary access for \$self->{'tag'} on \$self->{'sys'}. Error: \$ret. Please verify that \$fsid is not mounted on server \$self->{'sys'}. | <p>Cause: The filesystem could not be unmounted on the target server.</p> <p>Action: Ensure that the filesystem and device are not busy on the target server. Reboot the target server to resolve any potential conflicts.</p> |
| 104062 | FATAL | Cannot find a device with unique ID "%s" | <p>Cause: The target disk could not be identified.</p> <p>Action: Ensure that the appropriate storage recovery kits are installed on the target server. Ensure that the Device ID of the target disk has not changed.</p> |
| 104066 | FATAL | Cannot get the hardware ID of device "%s" | <p>Cause: A unique ID could not be found for the target disk device.</p> <p>Action: Ensure that the appropriate storage recovery kits are installed on the target server. Ensure that the Device ID of the target disk has not changed.</p> |
| 104067 | FATAL | Asynchronous writes cannot be enabled without a bitmap file | <p>Cause: An attempt was made to create a mirror with invalid parameters.</p> <p>Action: A bitmap file parameter must be specified or synchronous writes must be specified.</p> |
| 104068 | FATAL | Failed to extend dependent resource %s to system %s. Error %s | <p>Cause: The hierarchy extend operation failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 104070 | FATAL | Unable to extend the mirror "%s" to system "%s" | <p>Cause: The hierarchy extend operation failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104071 | ERROR | Failed to restore target device resources on \$target->{sys'}: \$err | <p>Cause: The in-service operation has failed on the target server.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104073 | EMERG | WARNING: A temporary communication failure has occurred between systems %s and %s. In order to avoid data corruption, data resynchronization will not occur. MANUAL INTERVENTION IS REQUIRED. In order to initiate data resynchronization, you should: 1) Take one of the following resources out of service (this resource will become the mirror target): %s on %s or %s on %s. 2) Take the other resource out of service (this resource will become the mirror source). 3) Run %s/bitmap -d %s on the system that will become mirror source. 4) Bring the mirror in service on the source system. A full resync will occur. | <p>Cause: A temporary communication failure (split-brain scenario) has occurred between the source and target servers.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 104074 | FATAL | Cannot get the hardware ID of device "%s" | <p>Cause: There is no storage recovery kit that recognizes the underlying disk device that you are attempting to use for the mirror.</p> <p>Action: Make sure the appropriate storage recovery kits are installed. If necessary, place your device name in the /opt/LifeKeeper/subsys/scsi/resources/DEVNAME/device_pattern file.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 104081 | FATAL | Cannot make the %s filesystem on "%s" (%d) | <p>Cause: The "mkfs" command failed.</p> <p>Action: Ensure that the disk device is writable and free of errors and that the filesystem tools for the selected filesystem are installed.</p> |
| 104082 | FATAL | %s | <p>Cause: This message contains the output of the "mkfs" command.</p> |
| 104083 | FATAL | Cannot create filesys hierarchy "%s" | <p>Cause: The resource creation failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104086 | ERROR | The "%s_data_corrupt" flag is set in "%s/sub-sys/scsi/resources/netraid/" on system "%s". To avoid data corruption, LifeKeeper will not restore the resource | <p>Cause: The data corrupt flag file has been set as a precaution to prevent accidental data corruption. The mirror cannot be restored on this server until the file is removed.</p> <p>Action: If you are sure that the data is valid on the server in question, you can either: 1) remove the file and restore the mirror, or 2) force the mirror online using the LifeKeeper GUI or 'mirror_action force' command.</p> |
| 104092 | ERROR | Mirror target resource movement to system %s : status %s | <p>Cause: The hierarchy switchover operation has failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104099 | ERROR | Unable to unextend the mirror for resource "%s" from system "%s" | <p>Cause: The hierarchy unextend operation failed.</p> <p>Action: Reboot the target server to resolve any potential conflicts and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 104106 | ERROR | remote 'bitmap -m' command failed on \$target->{'sys'}: \$ranges | <p>Cause: The bitmap merge command failed on the target server. This may be caused by one of two things: 1) The bitmap file may be missing or corrupted, or 2) the mirror (md) device may be active on the target.</p> <p>Action: Make sure that the mirror and protected filesystem are not active on the target. If the target's bitmap file is missing, pause and resume the mirror to recreate the bitmap file.</p> |
| 104107 | ERROR | Asynchronous writes cannot be enabled without a bitmap file | <p>Cause: Invalid parameters were specified for the mirror create operation.</p> |
| 104108 | ERROR | Local Partition not available | <p>Cause: Invalid parameters were specified for the mirror create operation.</p> |
| 104109 | ERROR | Cannot get the hardware ID of device "%s" | <p>Cause: A unique ID could not be determined for the disk device.</p> <p>Action: Ensure that the appropriate storage recovery kits are installed on the server. Ensure that the Device ID of the disk has not changed.</p> |
| 104111 | FATAL | Insufficient input parameters for "%s" creation | <p>Cause: Invalid parameters were specified for the mirror create operation.</p> |
| 104112 | FATAL | Insufficient input parameters for "%s" creation | <p>Cause: Invalid parameters were specified for the mirror create operation.</p> |
| 104113 | FATAL | Insufficient input parameters for "%s" creation | <p>Cause: Invalid parameters were specified for the mirror create operation.</p> |
| 104114 | FATAL | Insufficient input parameters for "%s" creation | <p>Cause: Invalid parameters were specified for the mirror create operation.</p> |
| 104115 | FATAL | Insufficient input parameters for "%s" creation | <p>Cause: Invalid parameters were specified for the mirror create operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 104117 | FATAL | Insufficient input parameters for "%s" creation | Cause: Invalid parameters were specified for the mirror create operation. |
| 104118 | FATAL | Cannot unmount existing Mount Point "%s" | Cause: The mount point is busy. Action: Make sure the filesystem is not busy. Stop any processes or applications that may be accessing the filesystem. |
| 104119 | FATAL | Invalid data replication resource type requested ("%s") | Cause: An invalid parameter was specified for the mirror create operation. |
| 104124 | EMERG | WARNING: A temporary communication failure has occurred between systems %s and %s. In order to avoid data corruption, data resynchronization will not occur. MANUAL INTERVENTION IS REQUIRED. In order to initiate data resynchronization, you should take one of the following resources out of service: %s on %s or %s on %s. The resource that is taken out of service will become the mirror target. | Cause: A temporary communication failure (split-brain scenario) has occurred between the source and target servers. Action: Perform the steps listed in the message text. |
| 104125 | ERROR | failed to start '\$cmd \$_[2] \$user_args' on '\$_[3]' | Cause: The specified command failed. Action: Check the logs for related errors and try to resolve the reported problem. |
| 104126 | ERROR | \$_ | Cause: This message contains the output of the command that was reported as failing in message 104125. |
| 104129 | WARN | The replication connection for mirror "%s" (resource: "%s") is down (reason: %s) | Cause: The replication connection for the mirror is down. Action: Check the network. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 104130 | ERROR | Mirror resize failed on %s (%s). You must successfully complete this operation before using the mirror. Please try again. | <p>Cause: The mirror resize operation has failed to update the mirror metadata on the listed system.</p> <p>Action: You must successfully complete the resize before using the mirror. Re-run mirror_resize (possibly using -f to force the operation if necessary).</p> |
| 104136 | ERROR | Extend failed. | <p>Cause: The hierarchy extend operation failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104143 | ERROR | Mirror resume was unsuccessful (\$ret | <p>Cause: The mirror could not be established.</p> <p>Action: Check the logs for related errors and try to resolve the reported problems.</p> |
| 104144 | ERROR | Unable to stop the mirror access for \$self->{'md'} on system \$self->{'sys'}. Error: \$ret. Use the "\mdadm --stop \$self->{'md'}\" command to manually stop the mirror. | <p>Cause: The mirror device created on the target node when the mirror was paused could not be stopped.</p> <p>Action: Ensure that the device is not busy or mounted. Try running "mdadm --stop" manually to stop the device.</p> |
| 104156 | WARN | Resynchronization of "%s" is in PENDING state. Current sync_action is: "%s" | <p>Cause: The resynchronization of the md device is detected in PENDING state.</p> <p>Action: LifeKeeper will try to fix the issue by forcing a resynchronization. Check the logs for related errors. When successful assure that the PENDING state has been cleared in /proc/mdstat and the resynchronization is in progress or has been completed for the datarep resource.</p> |
| 122005 | ERROR | Unable to "%s" on "%s" | <p>Cause: There was an unexpected error running "getlocks".</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122007 | ERROR | Unable to "%s" on "%s" | Cause: There was an unexpected error running "rlocks". Action: Check the logs for related errors and try to resolve the reported problem. |
| 122009 | ERROR | The path %s is not a valid file. | Cause: There is no listener.ora file. Action: Ensure the file exists and retry the operation. |
| 122010 | ERROR | The listener user does not exist on the server %s. | Cause: "Stat" command could not get user id. Action: Retry the operation. |
| 122011 | ERROR | The listener user does not exist on the server %s. | Cause: UID is not in passwd file. Action: Ensure the UID exists in passwd file and retry the operation. |
| 122012 | ERROR | The listener user does not exist on the server %s. | Cause: User name is not in passwd file. Action: Ensure the user name exists in passwd file; retry the operation. |
| 122023 | ERROR | The %s command failed (%d | Cause: This message contains the return code of the "lsnrctl" command. Action: Check the logs for related errors and try to resolve the reported problem. |
| 122024 | ERROR | \$line | Cause: The message contains the output of the "lsnrctl" command. Action: Check the logs for related errors and try to resolve the reported problem. |
| 122039 | ERROR | Usage error | Cause: Invalid parameters were specified for the restore operation. Action: Verify the parameters and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122040 | ERROR | Script \$cmd has hung on the restore of \"\$opt_t\". Forcibly terminating. | <p>Cause: The listener restore script reached its timeout value.</p> <p>Action: Ensure listener.ora is valid and that LSNR_START_TIME (default 35 seconds) in /etc/default/LifeKeeper is set to a value greater than or equal to the time needed to start the listener.</p> |
| 122041 | ERROR | END failed %s of \"%s\" on server \"%s\" due to a \"%s\" signal | <p>Cause: LifeKeeper was unable to restore the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122045 | ERROR | Error getting resource information for resource \"%s\" on server \"%s\" | <p>Cause: Failed to get resource information.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122046 | ERROR | Usage error | <p>Cause: Invalid parameters were specified for the restore operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122049 | ERROR | The script \$cmd has hung on remove of \"\$opt_t\". Forcibly terminating. | <p>Cause: The listener remove script reached its timeout value.</p> <p>Action: Ensure listener.ora is valid and that LSNR_STOP_TIME (default 35 seconds) in /etc/default/LifeKeeper is set to a value greater than or equal to the time needed to stop the listener.</p> |
| 122051 | ERROR | Error getting resource information for resource \"%s\" on server \"%s\" | <p>Cause: LifeKeeper was unable to find the resource {tag} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122055 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: LifeKeeper was unable to quickCheck the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122057 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: LifeKeeper was unable to find the resource {tag} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122064 | WARN | The %s level is set to %s a %s will not occur. | <p>Cause: The minimal Listener protection level is Start and Monitor.</p> <p>Action: Start the listener manually.</p> |
| 122066 | ERROR | Script has hung checking \"%\$tag\". Forcibly terminating. | <p>Cause: The listener quickCheck script reached its timeout value.</p> <p>Action: Ensure listener.ora is valid and that LSNR_STATUS_TIME (default 15 seconds) in /etc/default/LifeKeeper is set to a value greater than or equal to the time needed to check the listener.</p> |
| 122067 | ERROR | Usage error | <p>Cause: Invalid parameters were specified for the quickCheck operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122069 | ERROR | Usage error | <p>Cause: Invalid parameters were specified for the delete operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122072 | ERROR | %s: resource "%s" not found on local server | <p>Cause: Invalid parameters were specified for the recover operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122074 | WARN | The local recovery attempt has failed but %s level is set to %s preventing a failover to another node in the cluster. With %s recovery set all local recovery failures will exit successfully to prevent resource failovers. | Cause: The optional listener recovery level is set to local recovery only. Action: Switch over the resource tree manually. |
| 122078 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | Cause: LifeKeeper was unable to recover the resource {resource} on {server}. Action: Check the logs for related errors and try to resolve the reported problem. |
| 122082 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122083 | ERROR | \$cmd has hung checking \"\$tag\". Forcibly terminating | Cause: The recover script was stopped by signal. Action: Ensure listener.ora is valid. |
| 122084 | ERROR | Cannot extend resource "%s" to server "%s" | Cause: LifeKeeper was unable to extend the resource {resource} on {server}. Action: Verify the parameters and retry the operation. |
| 122085 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the canextend operation. Action: Verify the parameters and retry the operation. |
| 122086 | ERROR | The values specified for the target and the template servers are the same. Please specify the correct values for the target and template servers. | Cause: The values specified for the target and the template servers are the same. Action: Perform the steps listed in the message text. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122087 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122088 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: Failed to get listener user name from resource information. Action: Ensure the resource info field is valid then retry the operation. |
| 122089 | ERROR | The listener user %s does not exist on the server %s. | Cause: User name is not in passwd file. Action: Ensure the user name exists in passwd file and retry the operation. |
| 122090 | ERROR | The id for user %s is not the same on template server %s and target server %s. | Cause: User ID should be same on both servers. Action: Trim user ID to the same. |
| 122091 | ERROR | The group id for user %s is not the same on template server %s and target server %s. | Cause: Group ID should be same on both servers. Action: Trim group ID to the same. |
| 122092 | ERROR | Cannot access canextend script "%s" on server "%s" | Cause: LifeKeeper was unable to run pre-extend checks because it was unable to find the "canextend" script on {server}. Action: Check your LifeKeeper configuration. |
| 122097 | ERROR | Usage: %s %s | Cause: Invalid arguments were specified for the "configActions" operation. Action: Verify the arguments and retry the operation. |
| 122098 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122099 | ERROR | Unable to update the resource %s to change the %s to %s on %s. | <p>Cause: LifeKeeper failed to put information into the info field.</p> <p>Action: Restart LifeKeeper and retry the operation.</p> |
| 122100 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: LifeKeeper was unable to find the resource {tag} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122101 | ERROR | Unable to update the resource %s to change the %s to %s on %s. | <p>Cause: LifeKeeper failed to put information to info field on {server}.</p> <p>Action: Restart LifeKeeper on {server} and retry the operation.</p> |
| 122103 | ERROR | Usage: %s %s | <p>Cause: Invalid parameters were specified for the create operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122124 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | <p>Cause: LifeKeeper was unable to create the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122126 | ERROR | Unable to "%s" on "%s" | <p>Cause: There was an unexpected error running "rlslocks".</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122127 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: LifeKeeper was unable to create the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122129 | ERROR | Unable to "%s" on "%s" | Cause: There was an unexpected error running "getlocks." Action: Check the logs for related errors and try to resolve the reported problem. |
| 122131 | ERROR | Error creating resource "%s" on server "%s" | Cause: LifeKeeper was unable to create the resource {resource} on {server}. Action: Check your LifeKeeper configuration. |
| 122133 | ERROR | Unable to create a file system resource hierarchy for the file system %s. | Cause: There was an unexpected error running "filesyshier." Action: Check adjacent log messages for further details. |
| 122135 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | Cause: There was an unexpected error running "dep_create." Action: Check the logs for related errors and try to resolve the reported problem. |
| 122140 | ERROR | Resource "%s" is not ISP on server "%s" Manually bring the resource in service and retry the operation | Cause: IP resource {tag} which the listener resource depends on should be ISP. Action: Perform the steps listed in the message text. |
| 122141 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | Cause: There was an unexpected error running "dep_create." Action: Check the logs for related errors and try to resolve the reported problem. |
| 122144 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the "create_ins" operation. Action: Verify the parameters and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122145 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | <p>Cause: There was an unexpected error running "app_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122146 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | <p>Cause: There was an unexpected error running "typ_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122147 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | <p>Cause: There was an unexpected error running "newtag."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122148 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: LifeKeeper was unable to create the resource {resource} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122149 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | <p>Cause: There was an unexpected error running "ins_setstate."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122150 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: LifeKeeper was unable to create the resource {resource} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122151 | ERROR | Usage: %s %s | <p>Cause: Invalid arguments were specified for the "depstoextend" operation.</p> <p>Action: Verify the arguments and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122152 | ERROR | Usage: %s %s | <p>Cause: Invalid parameters were specified for the "extend" operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122153 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: LifeKeeper was unable to find the resource {tag} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122154 | ERROR | Cannot extend resource "%s" to server "%s" | <p>Cause: LifeKeeper was unable to extend the resource {resource} on {server}.</p> |
| 122155 | ERROR | Resource with either matching tag "%s" or id "%s" already exists on server "%s" for App "%s" and Type "%s" | <p>Cause: During the Listener resource extension, a resource instance was found using the same {tag} and/or {id} but with a different resource application and type.</p> <p>Action: Resource IDs must be unique. The resource instance with the ID matching the Oracle Listener resource instance must be removed.</p> |
| 122156 | ERROR | Cannot access extend script "%s" on server "%s" | <p>Cause: LifeKeeper was unable to extend the resource hierarchy because it was unable to find the script EXTEND on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122157 | ERROR | Usage: %s %s | <p>Cause: Invalid arguments were specified for the "getConfiglps" operation.</p> <p>Action: Verify the arguments and retry the operation.</p> |
| 122158 | ERROR | The file %s is not a valid listener file. The file does not contain any listener definitions. | <p>Cause: Failed to find any listener definitions.</p> <p>Action: Ensure listener definition is in the listener.ora and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122159 | ERROR | Usage: %s %s | Cause: Invalid arguments were specified for the "getSidListeners" operation. Action: Verify the arguments and retry the operation. |
| 122160 | ERROR | The file %s is not a valid listener file. The file does not contain any listener definitions. | Cause: Failed to find any listener definitions. Action: Ensure listener definition is in the listener.ora and retry the operation. |
| 122161 | ERROR | Usage: %s %s | Cause: Invalid arguments were specified for the "lsn-display" operation. Action: Verify the arguments and retry the operation. |
| 122162 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122163 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the updateHelper operation. Action: Verify the parameters and retry the operation. |
| 122164 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | Cause: LifeKeeper was unable to update the resource {resource} on {server}. Action: Check the logs for related errors and try to resolve the reported problem. |
| 122166 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the "updateHelper" operation. Action: Verify the parameters and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122170 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122171 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122172 | ERROR | Usage: %s %s | <p>Cause: Invalid arguments were specified for the "updIPDeps" operation.</p> <p>Action: Verify the arguments and retry the operation.</p> |
| 122173 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | <p>Cause: LifeKeeper was unable to update the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122175 | ERROR | Unable to "%s" on "%s" | <p>Cause: There was an unexpected error running "rlslocks."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122177 | ERROR | Unable to "%s" on "%s" | <p>Cause: There was an unexpected error running "getlocks."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122180 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122181 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122183 | ERROR | The path %s is not a valid file. | <p>Cause: There is no listener.ora file.</p> <p>Action: Ensure the file exists and retry the operation.</p> |
| 122185 | ERROR | The file %s is not a valid listener file. The file does not contain any listener definitions. | <p>Cause: LifeKeeper failed to find any valid listener definitions.</p> <p>Action: Ensure there are valid listener definitions in the listener.ora and retry the operation.</p> |
| 122186 | ERROR | The value specified for %s cannot be empty. Please specify a value for this field. | <p>Cause: The config and/or executable {path} field is empty.</p> <p>Action: Input a non-empty value for {path} and retry the operation.</p> |
| 122187 | ERROR | The path %s is not a valid file or directory. | <p>Cause: The defined {path} is invalid.</p> <p>Action: Ensure the {path} exists and retry the operation.</p> |
| 122188 | ERROR | The path %s is not a valid file or directory. | <p>Cause: There is no {path}.</p> <p>Action: Ensure the {path} exists and retry the operation.</p> |
| 122189 | ERROR | The value specified for %s cannot be empty. Please specify a value for this field. | <p>Cause: The config and/or executable Path field is empty.</p> <p>Action: Input path for the field.</p> |
| 122190 | ERROR | Usage: %s %s | <p>Cause: Invalid arguments were specified for the "valid_rpath" operation.</p> <p>Action: Verify the arguments and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122191 | ERROR | The values specified for the target and the template servers are the same. | <p>Cause: Invalid argument of valid_rpath.</p> <p>Action: Ensure arguments and retry the operation.</p> |
| 122192 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |
| 122193 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |
| 122194 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |
| 122195 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |
| 122196 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: LifeKeeper was unable to remove the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122197 | ERROR | Unable to find the configuration file \"oratab\" in its default locations, /etc/oratab or \$listener::oraTab on \"\$me\" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |
| 122501 | ERROR | DB instance \"%s\" is already protected on \"%s\". | <p>Cause: An attempt was made to protect an Oracle database instance {sid} that is already under LifeKeeper protection on {server}.</p> <p>Action: You must select a different database instance {sid} for LifeKeeper protection.</p> |
| 122502 | ERROR | Failed to create object instance for Oracle on \"%s\". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122503 | ERROR | Unable to locate the oratab file \"%s\" on \"%s\". | <p>Cause: The oratab file was not found at the default or alternate locations on {server}.</p> <p>Action: Verify the oratab file exists and has proper permissions for the Oracle user. A valid oratab file is required to complete the "create" operation.</p> |
| 122504 | ERROR | Unable to determine Oracle user for \"%s\" on \"%s\". | <p>Cause: The Oracle Application Recovery Kit was unable to determine the ownership of the Oracle database installation binaries.</p> <p>Action: The owner of the Oracle binaries must be a valid non-root user on {server}. Correct the permissions and ownership of the Oracle database installation and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122505 | ERROR | The Oracle database "%s" is not running or no open connections are available on "%s". | <p>Cause: The database instance {sid} was not running or connections to the database were not available via the credentials provided.</p> <p>Action: The database instance {sid} must be started on {server} and the proper credentials must be provided for the completion of the "create" operation.</p> |
| 122506 | ERROR | Unable to determine Oracle dbspaces and logfiles for "%s" on "%s". | <p>Cause: A query to determine the location of required tablespaces, logfiles and related database files failed. This may have been caused by an internal database error.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122507 | ERROR | Unknown chunk type found for "%s" on "%s". | <p>Cause: The specified tablespace, logfile or other required database file is not one of the LifeKeeper supported file or character device types.</p> <p>Action: The specified file {database_file} must reference an existing character device or file. Consult the Oracle installation documentation to recreate the specified file {database_file} as a supported file or character device type.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122508 | ERROR | DB Chunk "%s" for "%s" on "%s" does not reside on a shared file system. | <p>Cause: The specified tablespace, logfile or other required database file {database_file} does not reside on a file system that is shared with other systems in the cluster.</p> <p>Action: Use the LifeKeeper UI or "lcdstatus (1M)" to verify that communication paths have been properly created. Use "rpm" to verify that the necessary Application Recovery Kits for storage protection have been installed. Verify that the file is, in fact, not on shared storage, and if not, move it to a shared storage device.</p> |
| 122510 | ERROR | File system create failed for "%s" on "%s". Reason | <p>Cause: LifeKeeper was unable to create the resource {filesystem} on the specified server {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 122511 | ERROR | %s | <p>Cause: The message contains the output of the "filesyshier" command.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122513 | ERROR | Dependency creation between Oracle database "%s (%s)" and the dependent resource "%s" on "%s" failed. Reason | <p>Cause: LifeKeeper was unable to create a dependency between the database resource {tag} and the necessary child resource {childtag}.</p> <p>Action: Check adjacent log messages for further details and related messages. Once any problems have been corrected, it may be possible to create the dependency between {tag} and {childtag} manually.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122514 | ERROR | Unable to "%s" on "%s" during resource create. | <p>Cause: The Oracle Application Recovery Kit was unable to release the administrative lock using the "rlslocks" command.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 122516 | ERROR | Raw device resource created failed for "%s" on "%s". Reason | <p>Cause: LifeKeeper was unable to create the resource {raw device} on the specified server {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 122519 | ERROR | In-service attempted failed for tag "%s" on "%s". | <p>Cause: The "perform_action" command for {tag} on {server} failed to start the database {sid}. The in-service operation has failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 122521 | ERROR | Create of app "%s" on "%s" failed with return code of "%d". | <p>Cause: There was an error running the command "app_create" to create the internal application type.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122522 | ERROR | Create of typ "%s" for app "%s" on "%s" failed with return code of "%d". | <p>Cause: There was an error running the command "typ_create" to create the internal resource type.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122524 | ERROR | Setting "resstate" for resource "%s" on "%s" failed with return code of "%d". | <p>Cause: There was an error running the command "ins_setstate" to set the resource state to {state}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122525 | ERROR | The values specified for the target and the template servers are the same: "%s". | <p>Cause: The value specified for the target and template servers for the "extend" operation were the same.</p> <p>Action: You must specify the correct parameter for the {target server} and {template server}. The {target server} is the server where the {tag} will be extended.</p> |
| 122526 | ERROR | Unable to locate the oratab file in "/etc" or in "%s" on "%s". | <p>Cause: The oratab file was not found at the default or alternate locations on {server}.</p> <p>Action: Verify the oratab file exists and has proper permissions for the Oracle user. A valid oratab file is required to complete the "extend" operation.</p> |
| 122527 | ERROR | Unable to retrieve the Oracle user on "%s". | <p>Cause: An attempt to retrieve the Oracle user from {template server} during a "canextend" or "extend" operation failed.</p> <p>Action: The owner of the Oracle binaries must be a valid user on {target server} and {template server}. Correct the permissions and ownership of the Oracle database installation and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122528 | ERROR | The Oracle user and/or group information for user "%s" does not exist on the server "%s". | <p>Cause: LifeKeeper is unable to find the Oracle user and/or group information for the Oracle user {user} on the server {server}.</p> <p>Action: Verify the Oracle user {user} exists on the specified {server}. If the user {user} does not exist, it should be created with the same uid and gid on all servers in the cluster.</p> |
| 122529 | ERROR | The id for user "%s" is not the same on template server "%s" and target server "%s". | <p>Cause: The user id on the target server {target server} for the Oracle user {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The user ids for the Oracle user {user} must match on all servers in the cluster. The user id mismatch should be corrected manually on all servers before retrying the "extend" operation.</p> |
| 122530 | ERROR | The group id for user "%s" is not the same on template server "%s" and target server "%s". | <p>Cause: The group id on the target server {target server} for the Oracle user {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The group ids for the Oracle user {user} must match on all servers in the cluster. The group id mismatch should be corrected manually on all servers before retrying the "extend" operation.</p> |
| 122532 | ERROR | No file system or raw devices found to extend for "%s" on "%s". | <p>Cause: There were no dependent file system or raw device resources found for the Oracle resource {tag} on server {template server}.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122533 | WARN | A RAMDISK (%s) was detected in the ORACLE Database configuration for "%s" on "%s". LifeKeeper cannot protect RAMDISK. This RAMDISK resource will not be protected by LifeKeeper! ORACLE hierarchy creation will continue. | <p>Cause: The specified tablespace, logfile or other database file {database_file} was detected as a ramdisk. No protection is available for this type of resource in the current LifeKeeper product.</p> <p>Action: The ramdisk will not be protected. You must manually ensure that the required database file {database_file} will be available during all Oracle database operations.</p> |
| 122534 | ERROR | Failed to initialize object instance for Oracle sid "%s" on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122537 | ERROR | Update of instance info field for "%s" on "%s" failed (%s). | <p>Cause: There was an error while running the command "ins_setinfo" to update the internal resource information field.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122538 | ERROR | Initial connect with query buffer to database "%s" on "%s" failed, testing output. | <p>Cause: A connection attempt to the Oracle database {sid} to determine the database status has failed.</p> <p>Action: The connection attempt failed with the specified credentials. Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122542 | ERROR | The "%s [%s]" attempt of the database "%s" appears to have failed on "%s". | <p>Cause: The attempted Oracle action {action} using method {action_method} for the database instance {sid} failed on the server {server}.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122543 | ERROR | All attempts to "%s" database "%s" on "%s" failed | <p>Cause: All efforts to perform the action {action} on the Oracle database {sid} on server {server} have failed.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122544 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to open the oratab file.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |
| 122545 | ERROR | Unable to locate the oratab file in "/etc" or in "%s" on "%s". | <p>Cause: The oratab file was not found at the default or alternate locations on {server}.</p> <p>Action: Verify the oratab file exists and has proper permissions for the oracle user. A valid oratab file is required to complete the "extend" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122546 | ERROR | Unable to open file "%s" on "%s" (%s). | <p>Cause: The specified file {file} could not be opened or accessed on the server {server} due to the error {error}.</p> <p>Action: Verify the existence and permissions on the specified file {file}. Check adjacent log messages for further details and related errors. You must correct any reported errors before retrying the operation.</p> |
| 122547 | ERROR | (cleanUpPids):Forcefully killing hung pid(s):pid(s)="%s" | <p>Cause: The process {pid} failed to respond to the request to terminate gracefully. The process {pid} will be forcefully terminated.</p> <p>Action: Use the command line to verify that the process {pid} has been terminated. Check the adjacent log messages for further details and related messages.</p> |
| 122548 | ERROR | Unable to locate the DB utility (%s/%s) on this host. | <p>Cause: The Oracle binaries and required database utility {utility} located at {path/utility} were not found on this server {server}.</p> <p>Action: Verify that the Oracle binaries and required software utilities are installed and properly configured on the server {server}. The Oracle binaries must be installed locally on each node or located on shared storage available to all nodes in the cluster.</p> |
| 122549 | ERROR | Oracle internal error or non-standard Oracle configuration detected. Oracle User and/or Group set to "root". | <p>Cause: The detected ownership of the Oracle database installation resolves to the root user and/or root group. Ownership of the Oracle installation by root is a non-standard configuration.</p> <p>Action: The owner of the Oracle binaries must be a valid non-root user on {server}. Correct the permissions and ownership of the Oracle database installation and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122550 | ERROR | Initial inspection of "%s" failed, verifying failure or success of received output. | <p>Cause: The previous Oracle query {query} or command {cmd} failed to return success.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122551 | ERROR | Logon failed with "%s" for "%s" on "%s". Please check username/password and privileges. | <p>Cause: The logon with the credentials {credentials} for the database instance {sid} on server {server} failed. An invalid user {user} or password was specified.</p> <p>Action: Verify that the Oracle database user {user} and password {password} are indeed valid. In addition, the Oracle database user {user} must have sufficient privileges for the attempted action.</p> |
| 122552 | ERROR | %s | <p>Cause: The message contains the output of the "sqlplus" command.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 122553 | ERROR | Unable to open file "%s" on "%s" (%s). | <p>Cause: The specified file {file} could not be opened or accessed on the server {server} due to the error {error}.</p> <p>Action: Verify the existence and permissions on the specified file {file}. Check adjacent log messages for further details and related errors. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122554 | ERROR | The tag "%s" on "%s" is not an Oracle instance or it does not exist. | <p>Cause: The specified tag {tag} on server {server} does not refer to an existing and valid Oracle resource instance.</p> <p>Action: Use the UI or "lcdstatus (1M)" to verify the existence of the resource tag {tag}. The resource tag {tag} must be an Oracle resource instance to use the command "ora-display."</p> |
| 122555 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to update the authorized user, password and database role for the Oracle resource instance.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122557 | ERROR | Update of user and password failed for "%s" on "%s". | <p>Cause: A request to update the user and password for the resource tag {tag} failed. The specified credentials failed the initial validation/connection attempt on server {server}.</p> <p>Action: Verify the correct credentials {user/password} were specified for the attempted operation. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122559 | ERROR | Update of user and password failed for "%s" on "%s". | <p>Cause: The update of the user and password information for the resource tag {tag} on server {server} failed.</p> <p>Action: Verify the correct credentials {user/password} were specified for the attempted operation. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122562 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The required Oracle executable {exe} was not found on this server {server}.</p> <p>Action: Verify that the Oracle binaries and required software utilities are installed and properly configured on the server {server}. The Oracle binaries must be installed locally on each node or located on shared storage available to all nodes in the cluster.</p> |
| 122566 | ERROR | Unable to find Oracle home for "%s" on "%s". | <p>Cause: The Oracle home directory {Oracle home} does not appear to contain files necessary for the proper operation of the Oracle instance {sid}.</p> <p>Action: Verify using the command line that the Oracle home directory {Oracle home} contains the Oracle binaries, a valid spfile{sid}.ora or init{sid}.ora file.</p> |
| 122567 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected. The specified internal ID {id} does not match the expected SID {sid}.</p> <p>Action: Verify the parameters are correct. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122568 | ERROR | DB Processes are not running on "%s". | <p>Cause: A process check for the Oracle instance did not find any processes running on server {server}.</p> <p>Action: If local recovery is enabled, the Oracle instance will be restarted locally. Check adjacent log messages for further details and related messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122572 | ERROR | Failed to create flag "%s" on "%s". | <p>Cause: An unexpected error occurred attempting to create a flag for controlling Oracle local recovery processing causing a failover to the standby node.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122574 | ERROR | all attempts to shutdown the database %s failed on "%s". | <p>Cause: The shutdown of the Oracle database failed during a local recovery process most likely caused because the maximum number of database connections has been reached.</p> <p>Action: Check the Oracle logs for connection failures caused by the maximum number of available connections being reached, and if found, consider increasing the value. Additionally, set the tunable LK_ORA_NICE to 1 to prevent connection failures from causing a quickCheck failure followed by a local recovery attempt.</p> |
| 122597 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected during pre-extend checking.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the pre-extend.</p> |
| 122598 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being created while attempting to determine the validity of the Oracle home directory.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the "create."</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122599 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to look up the Oracle user on the template system.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the extend.</p> |
| 122600 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to display the resource properties.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the display of the resource properties.</p> |
| 122601 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to check for valid database authorization.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the command.</p> |
| 122603 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to perform health checks on the Oracle resource instance.</p> <p>Action: Check that correct arguments were passed to the quickCheck command and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the restore.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122604 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to perform a local recovery on the Oracle resource instance.</p> <p>Action: Check that correct arguments were passed to the "recover" command, and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the recover.</p> |
| 122606 | ERROR | The Oracle database "%s" is not running or no open connections are available on "%s". | <p>Cause: The database instance {sid} was not running or connections to the database are not available via the credentials provided.</p> <p>Action: The database instance {sid} must be started on {server} and the proper credentials must be provided for the completion of the selected operation.</p> |
| 122607 | ERROR | The Oracle database "%s" is not running or no open connections are available on "%s". | <p>Cause: The database instance {sid} was not running or connections to the database are not available via the credentials provided.</p> <p>Action: The database instance {sid} must be started on {server} and the proper credentials must be provided for the completion of the selected operation.</p> |
| 122608 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: The "remove" operation failed to create the resource object instance required to take the Oracle resource Out of Service.</p> <p>Action: Check that correct arguments were passed to the "remove" command and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the restore.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122609 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: The "restore" operation failed to create the resource object instance required to put the Oracle resource In Service.</p> <p>Action: Check that correct arguments were passed to the "restore" command and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the "restore."</p> |
| 122610 | ERROR | Unable to "%s" on "%s" during resource create. | <p>Cause: The Oracle Application Recovery Kit was unable to create the administrative lock using the "getlocks" command during resource creation.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create.</p> |
| 122611 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child File System resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |
| 122612 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child Raw resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122613 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child Raw resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |
| 122614 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child Listener resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |
| 122616 | ERROR | %s | <p>Cause: The requested start up or shutdown of the Oracle database failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the "restore" or "remove" operation.</p> |
| 122618 | ERROR | Dependency creation between Oracle database "%s (%s)" and the dependent resource "%s" on "%s" failed. Reason | <p>Cause: LifeKeeper was unable to create a dependency between the database resource {tag} and the necessary child resource {childtag}.</p> <p>Action: Check adjacent log messages for further details and related messages. Once any problems have been corrected, it may be possible to create the dependency between {tag} and {childtag} manually.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122619 | ERROR | Dependency creation between Oracle database "%s (%s)" and the dependent resource "%s" on "%s" failed. Reason | <p>Cause: LifeKeeper was unable to create a dependency between the database resource {tag} and the necessary child resource {childtag}.</p> <p>Action: Check adjacent log messages for further details and related messages. Once any problems have been corrected, it may be possible to create the dependency between {tag} and {childtag} manually.</p> |
| 122625 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The quickCheck process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |
| 122626 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The remove process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |
| 122627 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The restore process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |
| 122628 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The recover process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122632 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: During a remove, the resource instance {sid} passed to the remove process does not match internal resource instance information for the {sid}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122633 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: During a restore, the resource instance {sid} passed to restore does not match internal resource instance information for the {sid}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122634 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: During resource recovery, the resource instance {sid} passed to recovery does not match internal resource instance information for the {sid}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122636 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | <p>Cause: The create of the Oracle resource hierarchy {tag} failed on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122638 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The create action for the Oracle database resource {tag} on server {server} failed. The signal {sig} was received by the create process.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122640 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122641 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122642 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122643 | ERROR | Cannot extend resource "%s" to server "%s" | <p>Cause: LifeKeeper was unable to extend the resource {resource} on {server}.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122644 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to retrieve resource instance information for {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors and retry the extend.</p> |
| 122645 | ERROR | Cannot access canextend script "%s" on server "%s" | <p>Cause: LifeKeeper was unable to run pre-extend checks because it was unable to find the "canextend" script on {server} for a dependent child resource.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122646 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to retrieve resource instance information for {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors and retry the extend.</p> |
| 122647 | ERROR | Cannot extend resource "%s" to server "%s" | <p>Cause: LifeKeeper was unable to extend the resource {resource} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122648 | ERROR | Resource with either matching tag "%s" or id "%s" already exists on server "%s" for App "%s" and Type "%s" | <p>Cause: During the database resource extension, a resource instance was found using the same {tag} and/or {id} but with a different resource application and type.</p> <p>Action: Resource IDs must be unique. The resource instance with the ID matching the Oracle resource instance must be removed.</p> |
| 122649 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122650 | ERROR | Cannot access extend script "%s" on server "%s" | <p>Cause: The request to extend the database resource {resource} to {server} failed because it was unable to find the script {extend} on {server} for a dependent child resource.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122651 | ERROR | Cannot extend resource "%s" to server "%s" | <p>Cause: The request to extend the database resource {resource} to {server} failed because of an error attempting to extend a dependent child resource.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122654 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The health check for the database {sid} was terminated because the quickCheck process received a signal. This is most likely caused by the quickCheck process requiring more time to complete than was allotted.</p> <p>Action: The health check time for an Oracle resource is controlled by the tunable value ORACLE_QUICKCHECK_TIMEOUT. Set it to a value greater than 45 seconds to allow more time for the health check process to complete.</p> |
| 122655 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The request to take database {sid} "Out of Service" was terminated because the remove process received a signal. This is most likely caused by the remove process requiring more time to complete than was allotted.</p> <p>Action: The remove time for an Oracle resource is controlled by the tunable value ORACLE_REMOVE_TIMEOUT. Set the tunable to a value greater than 240 seconds to allow more time for the remove process to complete.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122659 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The request to place database {sid} "In Service" was terminated because the restore process received a signal. This is most likely caused by the restore process requiring more time to complete than was allotted.</p> <p>Action: The restore time for an Oracle resource is controlled by the tunable value ORACLE_RESTORE_TIMEOUT. Set the tunable to a value greater than 240 seconds to allow more time for the restore process to complete.</p> |
| 122663 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The recovery of the failed database was terminated because the recovery process received a signal. This is most likely caused by the recovery process requiring more time to complete than was allotted.</p> <p>Action: The recovery time for an Oracle resource is controlled by the tunable values ORACLE_RESTORE_TIMEOUT and ORACLE_REMOVE_TIMEOUT. Set one or both of these to a value greater than 240 seconds to allow more time for a recovery to complete.</p> |
| 122670 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to open the temporary file used in the update process.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122671 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to close the temporary file used in the update process.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |
| 122672 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to rename the temporary file back to oratab.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |
| 122673 | ERROR | Unable to log messages queued while running as oracle user %s on %s. Reason: \$! | <p>Cause: An unexpected error {reason} occurred while attempting to add messages to the log file. These messages were generated while running as the Oracle user.</p> <p>Action: Review the reason for the failure and take corrective action.</p> |
| 122674 | ERROR | Unable to open %s Reason: %s. | <p>Cause: An unexpected error occurred while attempting to open a connection to the Oracle database and run the database {cmd}.</p> <p>Action: Check adjacent log messages for further details and related messages. Additionally, check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct any reported problems.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 123006 | FATAL | Unknown version %s of IP address | <p>Cause: The IP address does not appear to be valid for either IPv4 or IPv6.</p> <p>Action: Provide a valid IP address.</p> |
| 123008 | ERROR | No pinglist found for %s. | <p>Cause: Problem while opening the pinglist for this IP address.</p> <p>Action: Make sure you have provided a pinglist for this IP address.</p> |
| 123009 | ERROR | List ping test failed for virtual IP %s | <p>Cause: No response was received from any of the addresses in the ping list.</p> <p>Action: Check network connectivity of this node and the systems on which the IPs in the ping list reside.</p> |
| 123013 | ERROR | Link check failed for virtual IP %s on interface %s. | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present on the physical layer connection.</p> <p>Action: Check the physical connections for the interface and bring the physical layer link up.</p> |
| 123015 | ERROR | Link check failed for virtual IP %s on interface %s. | <p>Cause: The requested interface is a bonded interface, and one of the slaves is showing 'NO-CARRIER' indicating that no link is present on the physical layer connection.</p> <p>Action: Check the physical connections for the slave interface and bring the physical layer link up.</p> |
| 123024 | ERROR | IP address seems to still exist somewhere else. | <p>Cause: The IP address appears to be in use elsewhere on the network.</p> <p>Action: Either select a different IP address to use or locate and disable the current use of this IP address.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 123027 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The quickCheck of a virtual IP ended due to a timeout.</p> <p>Action: Correct the condition or provide a more appropriate value for IP_QUICKCHECK_TIMEOUT in /etc/default/LifeKeeper.</p> |
| 123037 | ERROR | must specify machine name containing primary hierarchy | <p>Cause: Not enough arguments were provided to crelPhier.</p> <p>Action: Supply all of the needed arguments to crelPhier.</p> |
| 123038 | ERROR | must specify IP resource name | <p>Cause: Not enough arguments were passed to crelPhier.</p> <p>Action: Supply all of the needed arguments to crelPhier.</p> |
| 123039 | ERROR | must specify primary IP Resource tag | <p>Cause: The argument specifying the primary IP Resource tag was missing from the "crelPhier" command.</p> <p>Action: Supply all of the needed arguments.</p> |
| 123042 | ERROR | An unknown error has occurred in utility validmask on machine %s. | <p>Cause: There was an unexpected error running the "validmask" utility.</p> <p>Action: Check adjacent log messages for additional details.</p> |
| 123045 | ERROR | An unknown error has occurred in utility getlocks. | <p>Cause: There was an unexpected error running the "getlocks" utility.</p> <p>Action: Check adjacent log messages for additional details.</p> |
| 123053 | ERROR | Cannot resolve hostname %s | <p>Cause: A hostname was provided for the IP address, but the system was unable to resolve the name to an IP address.</p> <p>Action: Check the correctness of the hostname and verify that name resolution (DNS or /etc/hosts) is working correctly and returns the IP for the hostname.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 123055 | ERROR | An unknown error has occurred in utility %s on machine %s. | <p>Cause: There was a failure while creating the IP resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 123056 | ERROR | create ip hierarchy failure: perform_action failed | <p>Cause: Unexpected error trying to restore the IP address during creation.</p> <p>Action: Check adjacent log messages for additional details.</p> |
| 123059 | ERROR | Resource already exists on machine %s | <p>Cause: Attempted to create an IP address that already exists.</p> <p>Action: Reuse the existing resource or manually remove the IP address if it exists or use a different IP address.</p> |
| 123060 | ERROR | ins_create failed on machine %s | <p>Cause: An unexpected failure occurred while creating an IP resource.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 123064 | ERROR | An unknown error has occurred in utility %s on machine %s. | <p>Cause: There was a failure while creating a dependency for the IP resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 123066 | ERROR | An error occurred during creation of LifeKeeper application=comm on %s. | <p>Cause: A failure occurred while calling "app_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 123068 | ERROR | An error occurred during creation of LifeKeeper resource type=ip on %s. | <p>Cause: A failure occurred while calling "typ_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 123091 | ERROR | the link for interface %s is down | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present on the physical layer connection.</p> <p>Action: Check the physical connections for the interface and bring the physical layer link up.</p> |
| 123093 | ERROR | the ping list check failed | <p>Cause: No response was received from any of the addresses in the ping list.</p> <p>Action: Check network connectivity of this node and the systems on which the IPs in the ping list reside.</p> |
| 123095 | ERROR | broadcast ping failed | <p>Cause: No replies were received from a broadcast ping.</p> <p>Action: Verify that at least one host on the subnet will respond to broadcast pings. Verify that virtual IP is on the correct network interface. Consider using a pinglist instead of a broadcast ping.</p> |
| 123096 | ERROR | \$msg | <p>Cause: The broadcast ping used to determine the viability of the virtual IP failed.</p> <p>Action: Please ensure that the ping list for this resource is properly configured in the properties panel or that broadcast ping checking is disabled by adding NOBCASTPING=1 to the /etc/default/LifeKeeper configuration file.</p> |
| 123097 | ERROR | exec_list_ping(): broadcast ping failed. | <p>Cause: The broadcast ping used to determine the viability of the virtual IP failed.</p> <p>Action: Ensure that the ping list for this resource is properly configured in the properties panel or that broadcast ping checking is disabled by adding NOBCASTPING=1 to the /etc/default/LifeKeeper configuration file.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124004 | FATAL | resource tag name not specified | <p>Cause: Invalid arguments were specified for the "quickCheck" operation.</p> <p>Action: Ensure that the correct arguments are passed.</p> |
| 124005 | FATAL | resource id not specified | <p>Cause: Invalid arguments were specified for the "quickCheck" operation.</p> <p>Action: Ensure that the correct arguments are passed.</p> |
| 124007 | FATAL | Failed to get resource information | <p>Cause: The filesystem resource's info field does not contain the correct information.</p> <p>Action: Put the correct information in the resource's info field or restore the system from a recent "lkbackup" to restore the original info field.</p> |
| 124008 | ERROR | getId failed | <p>Cause: The filesystem resource could not find the underlying disk device.</p> <p>Action: Check adjacent log messages for further details. Verify that the resource hierarchy is valid and that all required storage kits are installed.</p> |
| 124009 | ERROR | LifeKeeper protected filesystem is in service but quick-Check detects the following error | <p>Cause: The filesystem kit has found something wrong with the resource.</p> <p>Action: Check the messages immediately following this one for more details.</p> |
| 124010 | ERROR | "\$id" is not mounted | <p>Cause: The filesystem resource is no longer mounted.</p> <p>Action: No action is required. Allow local recovery to remount the resource.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124011 | ERROR | \"\$id\" is mounted but with the incorrect mount options (current mount option list: \$mntopts, expected mount option list: \$infopts | <p>Cause: The filesystem resource is mounted incorrectly.</p> <p>Action: No action is required. Allow local recovery to remount the resource.</p> |
| 124012 | ERROR | \"\$id\" is mounted but on the wrong device (current mount device: \$tmpdev, expected mount device: \$dev | <p>Cause: The filesystem resource has the wrong device mounted.</p> <p>Action: No action is required. Allow local recovery to remount the resource.</p> |
| 124015 | ERROR | LifeKeeper protected filesystem \"\$stag\" (\$id) is \$percent% full (\$blocksfree free blocks). | <p>Cause: The filesystem is getting full.</p> <p>Action: Remove or migrate data from the filesystem.</p> |
| 124016 | WARN | LifeKeeper protected filesystem \"\$stag\" (\$id) is \$percent% full (\$blocksfree free blocks). | <p>Cause: The filesystem is getting full.</p> <p>Action: Remove or migrate data from the filesystem.</p> |
| 124020 | FATAL | cannot find device information for filesystem \$id | <p>Cause: The filesystem resource could not find the underlying disk device.</p> <p>Action: Check adjacent log messages for further details. Verify that the resource hierarchy is valid and that all required storage kits are installed.</p> |
| 124029 | ERROR | Failed to find child resource. | <p>Cause: The filesystem resource could not determine its underlying disk resource.</p> <p>Action: Ensure that the resource hierarchy is correct.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124032 | FATAL | Script has hung. Exiting. | <p>Cause: Processes had files open on a mounted filesystem that needed to be unmounted. Killing those processes has taken too long.</p> <p>Action: If this error continues, try to temporarily stop all software that may be using the mount point to allow it to be unmounted. If the filesystem still cannot be unmounted, contact Support.</p> |
| 124042 | ERROR | file system \$fsname failed unmount; will try again | <p>Cause: Processes had files open on a mounted filesystem that needed to be unmounted. It can take multiple attempts to clear those processes.</p> <p>Action: No action is required. Allow the process to continue.</p> |
| 124046 | ERROR | file system \$fsname failed unmount | <p>Cause: A filesystem could not be unmounted.</p> <p>Action: If this error continues, try to temporarily stop all software that may be using the mount point to allow it to be unmounted. If the filesystem still cannot be unmounted, contact Support.</p> |
| 124049 | ERROR | Local recovery of resource has failed (err=\$err | <p>Cause: A filesystem resource has a problem that cannot be repaired locally.</p> <p>Action: No action is required. Allow the resource to be failed over to another system.</p> |
| 124103 | ERROR | \$ERRMSG Script was terminated for unknown reason | <p>Cause: This message should not occur under normal circumstances.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124104 | ERROR | \$ERRMSG Required template machine name is null | <p>Cause: Invalid arguments were specified for the canextend operation.</p> <p>Action: Ensure that the arguments are correct. If this error happens during normal operation, please contact Support.</p> |
| 124105 | ERROR | \$ERRMSG Required template resource tag name is null | <p>Cause: Invalid arguments were specified for the canextend operation.</p> <p>Action: Ensure that the arguments are correct. If this error happens during normal operation, please contact Support.</p> |
| 124106 | ERROR | \$ERRMSG Unable to access template resource \"\${TemplateTagName}\ | <p>Cause: The resource's underlying disk information cannot be determined.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 124107 | ERROR | \$ERRMSG Resource \"\${TemplateTagName}\" must have one and only one device resource dependency | <p>Cause: The resource has too many underlying devices in the hierarchy.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 124108 | ERROR | \$ERRMSG Unable to access template resource \"\${TemplateTagName}\ | <p>Cause: The resource cannot be found on the template system.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 124109 | ERROR | \$ERRMSG Can not access canextend for scsi/\${DeviceResType} resources on machine \"\${TargetSysName}\ | <p>Cause: The target system is missing some required components.</p> <p>Action: Ensure that the target system has all the correct kits installed and licensed.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124110 | ERROR | \$ERRMSG Either filesystem \"\$TemplateLKId\" is not mounted on \"\$TemplateSysName\" or filesystem is not shareable with \"\$TargetSysName\" | <p>Cause: The filesystem isn't in service on the template system or doesn't meet the requirements for extending to the target system.</p> <p>Action: Make sure the resource is in service on the template system and review the product documentation regarding the requirements for extending filesystems.</p> |
| 124111 | ERROR | \$ERRMSG File system type \"{FSType}\" is not supported by the kernel currently running on \"{TargetSysName}\" | <p>Cause: The filesystem's type cannot be mounted on the target system due to lack of kernel support.</p> <p>Action: Ensure that the target system has all its kernel modules configured correctly before extending the resource.</p> |
| 124112 | ERROR | must specify machine name containing primary hierarchy | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |
| 124113 | ERROR | must specify primary ROOT tag | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |
| 124114 | ERROR | must specify primary mount point | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |
| 124115 | ERROR | must specify primary switchback type | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124118 | ERROR | dep_remove failure on machine \"'\$PRIMACH'\" for parent \"'\$PRITAG'\" and child \"'\$DEVTAG'\" | Cause: Cleanup after a dependency creation failed. Action: Check adjacent log messages for further details. |
| 124119 | ERROR | ins_remove failure on machine \"'\$PRIMACH'\" for \"'\$PRITAG'\" | Cause: Cleanup after an instance creation failed. Action: Check adjacent log messages for further details. |
| 124121 | ERROR | ins_remove failure on machine \"'\$PRIMACH'\" | Cause: Cleanup after a resource creation failed. Action: Check adjacent log messages for further details. |
| 124122 | ERROR | \$ERRMSG Script was terminated for unknown reason | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124123 | ERROR | \$ERRMSG Required template machine name is null | Cause: Invalid arguments were specified for the depstoextend operation. Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support. |
| 124124 | ERROR | \$ERRMSG Required template resource tag name is null | Cause: Invalid arguments were specified for the depstoextend operation. Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support. |
| 124125 | ERROR | \$ERRMSG Unable to access template resource \"'\$TemplateTagName'\" | Cause: The resource was unable to locate its underlying disk resource. Action: Ensure the hierarchy and all dependencies are correct before extending. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124126 | ERROR | unextmgr failure on machine \"'\$PRIMACH\" | <p>Cause: The cleanup, after a failed resource extend operation, failed.</p> <p>Action: Manually clean up any remaining resources and check adjacent log messages for further details.</p> |
| 124128 | ERROR | unextmgr failure on machine \"'\$PRIMACH\" for \"'\$PRITAG.\" | <p>Cause: The cleanup, after a failed resource extend operation, failed.</p> <p>Action: Manually clean up any remaining resources and check adjacent log messages for further details.</p> |
| 124129 | ERROR | \$ERRMSG Script was terminated for unknown reason | <p>Cause: This message should not occur under normal circumstances.</p> <p>Action: Look for additional log messages for more details.</p> |
| 124130 | ERROR | \$ERRMSG Required template machine name is null | <p>Cause: Invalid arguments were specified for the extend operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124131 | ERROR | \$ERRMSG Required template resource tag name is null | <p>Cause: Invalid arguments were specified for the extend operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124132 | ERROR | \$ERRMSG Required target mount point is null | <p>Cause: Invalid arguments were specified for the extend operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124133 | ERROR | \$ERRMSG Unable to access template resource \"\${TemplateTagName}\ | <p>Cause: The tag being extended doesn't exist on the template system.</p> <p>Action: Ensure that the hierarchy is correct on the template system before extending.</p> |
| 124134 | ERROR | \$ERRMSG Detected conflict in expected tag name \"\${TargetTagName}\" on target machine. | <p>Cause: A resource already exists on the target system with the same tag as the resource being extended.</p> <p>Action: Recreate one of the conflicting resources with a different tag.</p> |
| 124135 | ERROR | \$ERRMSG Resource \"\${TemplateTagName}\" does not have required device resource dependency or unable to access this resource on template machine. | <p>Cause: The resource or its underlying disk resource cannot be found on the template system.</p> <p>Action: Ensure that the hierarchy is correct on the template system before extending.</p> |
| 124136 | ERROR | \$ERRMSG Resource \"\${TemplateTagName}\" must have one and only one device resource dependency | <p>Cause: The resource has multiple underlying devices in the hierarchy on the template system.</p> <p>Action: Ensure the hierarchy is correct before extending and that the filesystem resource only depends on a single disk resource.</p> |
| 124137 | ERROR | \$ERRMSG Can not access extend for scsi/\${DeviceResType} resources on machine \"\${TargetSysName}\ | <p>Cause: The files required to support the given storage type aren't available on the target system.</p> <p>Action: Ensure that the required kits are installed on the target system and licensed.</p> |
| 124138 | ERROR | \$ERRMSG Unable to access target device resource \"\${DeviceTagName}\" on machine \"\${TargetSysName}\ | <p>Cause: The required underlying disk resource doesn't exist on the target system.</p> <p>Action: Check adjacent log messages for further details and ensure that the target system is properly configured for hosting the resources being extended.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124139 | ERROR | \$ERRMSG Unable to access template \"/etc/mtab\" file | <p>Cause: The target system cannot read the template system's /etc/mtab file.</p> <p>Action: Check adjacent log messages for further details. Ensure that the /etc/mtab file exists on the template system.</p> |
| 124140 | ERROR | \$ERRMSG Unable to find mount point entry \"\$TemplateLKId\" in template \"/etc/mtab\" file. Is template resource in-service? | <p>Cause: The resource doesn't appear to be mounted on the template system.</p> <p>Action: Make sure the resource is in service before extending.</p> |
| 124141 | ERROR | \$ERRMSG Unable to find mount point \"\$TemplateLKId\" mode on template machine | <p>Cause: The details of the mount point on the template system cannot be determined.</p> <p>Action: Ensure that the resource is in service and accessible on the template system before extending.</p> |
| 124142 | ERROR | \$ERRMSG Unable to create or access mount point \"\$TargetLKId\" on target machine | <p>Cause: The mount point could not be created on the target system.</p> <p>Action: Ensure that the mount point's parent directory exists and is accessible on the target system.</p> |
| 124143 | ERROR | \$ERRMSG Two or more conflicting entries found in /etc/fstab on \"\$TargetSysName\" | <p>Cause: The device or mount point appears to be mounted more than once on the target system.</p> <p>Action: Ensure that the mount point is not mounted on the target system before extending.</p> |
| 124144 | ERROR | \$ERRMSG Failed to create resource instance on \"\$TargetSysName\" | <p>Cause: The resource creation on the target system failed.</p> <p>Action: Check adjacent log messages for further details. Make sure to check the logs on the target server.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124145 | ERROR | \$ERRMSG Failed to set resource instance state for \"TargetTagName\" on \"TargetSysName\ | <p>Cause: The source state could not be changed to OSU on the target system.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124146 | ERROR | must specify machine name containing primary hierarchy | <p>Cause: Invalid arguments were specified for the filesyshier operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124147 | ERROR | must specify primary mount point | <p>Cause: Invalid arguments were specified for the filesyshier operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124149 | ERROR | create file system hierarchy failure | <p>Cause: The process of finding the resource instance failed.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124150 | ERROR | create file system hierarchy failure | <p>Cause: The system failed to read the /etc/mstab file.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124151 | ERROR | create file system hierarchy failure | <p>Cause: The mount point could not be found in the /etc/mstab file.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124152 | ERROR | create file system hierarchy failure | <p>Cause: The underlying disk resource could not be found.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124153 | ERROR | create file system hierarchy failure | <p>Cause: Creating the filesystem resource failed.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124154 | ERROR | create file system hierarchy failure | Cause: The info field for the resource could not be updated. Action: Check adjacent log messages for further details. |
| 124155 | ERROR | create file system hierarchy failure | Cause: The switchback strategy could not be set on the resource. Action: Check adjacent log messages for further details. |
| 124157 | ERROR | create file system hierarchy failure \{(conflicting entries in /etc/fstab\} | Cause: The mount point could not be removed from the /etc/fstab file. Action: Check adjacent log messages for further details. |
| 124160 | ERROR | Unknown error in script filesysins, err=\$err | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124161 | ERROR | create filesys instance - existid - failure | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124163 | ERROR | create filesys instance - ins_list - failure | Cause: Checking for an existing resource failed. Action: Check adjacent log messages for further details. |
| 124164 | ERROR | create filesys instance - newtag - failure | Cause: The system failed to generate a suggested tag for the resource. Action: If this error happens during normal operation, contact Support. |
| 124168 | ERROR | create filesys instance - ins_create - failure | Cause: The filesystem resource could not be created. Action: Check adjacent log messages for further details. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124169 | ERROR | filesys instance - ins_setstate - failure | <p>Cause: The new filesystem resource's state could not be initialized.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124173 | ERROR | create filesys instance - dep_create - failure | <p>Cause: The resource's dependency relationship with its underlying disk could not be created.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124174 | ERROR | machine not specified | <p>Cause: Invalid arguments were specified for the menu_mp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124175 | ERROR | mount point not specified | <p>Cause: Invalid arguments were specified for the menu_mp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124177 | ERROR | unexpected multiple matches found | <p>Cause: One or more systems show a filesystem or mount point used more than once.</p> <p>Action: Verify filesystem devices and mount points and ensure that filesystems are only mounted once. Look for additional log messages for more details.</p> |
| 124178 | ERROR | machine name not specified | <p>Cause: Invalid arguments were specified for the mmenump operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124180 | ERROR | must specify filesystem type | <p>Cause: Invalid arguments were specified for the validfstype operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124181 | ERROR | mount point not specified | <p>Cause: Invalid arguments were specified for the validmp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124182 | ERROR | The mount point \$MP is not an absolute path | <p>Cause: A mount point was specified that isn't an absolute path (doesn't start with a '/').</p> <p>Action: Specify a mount point as an absolute path starting with a '/'.</p> |
| 124183 | ERROR | \$MP is already mounted on \$MACH | <p>Cause: The requested mount point is already in use on the system.</p> <p>Action: Specify a mount point that isn't in use or unmount it before retrying the operation.</p> |
| 124184 | ERROR | The mount point \$MP is already protected by LifeKeeper on \$MACH | <p>Cause: The system is already protecting the specified mount point.</p> <p>Action: Choose a different mount point that isn't already being protected.</p> |
| 124185 | ERROR | The mount point \$MP is not a directory on \$MACH | <p>Cause: The mount point refers to a non-directory such as a regular file.</p> <p>Action: Choose a mount point that refers to a directory.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124186 | ERROR | The mount point directory \$MP is not empty on \$MACH | <p>Cause: The specified mount point refers to a directory that isn't empty.</p> <p>Action: Choose a mount point that is empty or remove the contents of the specified directory before retrying the operation.</p> |
| 124187 | ERROR | server name not specified | <p>Cause: Invalid arguments were specified for the valuepmp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124188 | ERROR | There are no mount points on server \$MACH | <p>Cause: There are no possible mount points for filesystem resource on the server.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124194 | WARN | Please correct conflicting \"/etc/fstab\" entries on server \$UNAME for: \$FSDEV, \$FSNAME | <p>Cause: After deleting a filesystem resource, some entries in /etc/fstab need to be manually cleaned up.</p> <p>Action: Manually clean up the /etc/fstab file.</p> |
| 124195 | ERROR | getchildinfo found no \$OKAPP child for \$PTAG | <p>Cause: The system could not find a child resource in the hierarchy.</p> <p>Action: Check adjacent log messages for further details and ensure that the hierarchy is correct before retrying the operation.</p> |
| 124196 | ERROR | enablequotas - quotacheck may have failed for \$FS_NAME | <p>Cause: The quota operation failed.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124198 | ERROR | enablequotas - quotaon failed to turn on quotas for \$FS_NAME, reason | <p>Cause: The quota operation failed.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and /var/log/messages.</p> |
| 124200 | ERROR | The device node \$dev was not found or did not appear in the udev create time limit of \$delay seconds | <p>Cause: A device node (/dev/...) was not created by udev. This may indicate an issue with the storage or the server's connection to the storage.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |
| 124201 | WARN | Device \$device not found. Will retry wait to see if it appears. | <p>Cause: This can happen under normal conditions while udev creates device node entries for storage. This message should not happen repeatedly.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |
| 124202 | ERROR | Command \"\$commandwithargs\" failed. Retrying | <p>Cause: The given command failed but may have failed temporarily. This failure may happen during normal operations but should not keep failing.</p> <p>Action: Check adjacent log messages for further details if this message continues.</p> |
| 124204 | WARN | cannot make file system \$FSNAME mount point | <p>Cause: The mount point directory could not be created.</p> <p>Action: Ensure that the mount point can be created. This may be due to filesystem permissions, mount options, etc.</p> |
| 124207 | ERROR | \"fsck\"ing file system \$FSNAME failed, trying alternative superblock | <p>Cause: This message indicates that the typical filesystem check failed. This message may be ok for ext2 filesystems or other filesystems where an alternative superblock location is used.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124209 | ERROR | \\"fsck\\"ing file system \$FSNAME with alternative superblock failed | <p>Cause: This indicates that an ext2 filesystem (or other filesystem where an alternative superblock location is used) check failed with the alternative superblock location.</p> <p>Action: Check adjacent log messages for further details and instructions on how to proceed.</p> |
| 124210 | WARN | POSSIBLE FILESYSTEM CORRUPTION ON \$FSNAME (\$FPNAME) | <p>Cause: A filesystem was put in service or failed over when it was out of sync with its mirror source.</p> <p>Action: Check adjacent log messages for further details and review the product documentation for information on how to bring the filesystem in service safely.</p> |
| 124211 | ERROR | Reason for fsck failure (\$retval): \$ret | <p>Cause: This log message is part of a series of messages and gives the actual exit code from the fsck process.</p> <p>Action: Check adjacent log messages for further details and instructions on how to proceed.</p> |
| 124212 | ERROR | \\"fsck\\" of file system \$FSNAME failed | <p>Cause: The check of the filesystem failed. This is usually due to the filesystem having corruption.</p> <p>Action: Check adjacent log messages for further details. Review the product documentation for instructions on how to handle possible filesystem corruption.</p> |
| 124213 | WARN | POSSIBLE FILESYSTEM CORRUPTION ON \$FSNAME (\$FPNAME) | <p>Cause: The system or user tried to bring into service a filesystem that may be corrupted. This can happen if a filesystem is switched or failed over when it was out of sync with its mirror source.</p> <p>Action: Check adjacent log messages for further details and review the product documentation for instructions on how to bring the resource into service safely.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124214 | ERROR | Reason for fsck failure (\$retval) | <p>Cause: This message should follow a previous log message about a filesystem check failure and gives the process exit code of the fsck process.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124218 | ERROR | File system \$FSNAME was found to be already | <p>Cause: This message is part of a series of messages.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124219 | ERROR | mounted after initial mount attempt failed. | <p>Cause: This message is part of a series of messages. This should not happen under normal circumstances but may not be fatal if the resource can be put in service.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |
| 124220 | ERROR | File system \$FSNAME failed to mount. | <p>Cause: The filesystem could not be mounted.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124221 | WARN | Protected Filesystem \$ID is full | <p>Cause: The filesystem is full.</p> <p>Action: Remove unused data from the filesystem or migrate to a larger filesystem.</p> |
| 124222 | WARN | Dependent Applications may be affected <> | <p>Cause: This indicates that an operation on a resource is likely to cause operation on other resources based on the resource hierarchy.</p> <p>Action: Make sure it's acceptable for the indicated resources to be affected before continuing.</p> |
| 124223 | ERROR | Put \"\$t\" Out-Of-Service Failed By Signal | <p>Cause: This message should not occur under normal circumstances.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124227 | ERROR | Put \"\$i\" Out-Of-Service Failed | Cause: The operation failed. Action: Check adjacent log messages for further details. |
| 124230 | ERROR | Put \"\$t\" In-Service Failed By Signal | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124231 | ERROR | Put \"\$t\" In-Service Failed | Cause: The operation failed. Action: Check adjacent log messages for further details. |
| 124234 | ERROR | Put \"\$t\" In-Service Failed | Cause: The operation failed. Action: Check adjacent log messages for further details. |
| 125102 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125103 | ERROR | `printf '%s is not shareable with any machine.' \$DEV` | Cause: The device does not appear to be shared with any other systems. Action: Verify that the device is accessible from all servers in the cluster. Ensure that all relevant storage drivers and software are installed and configured properly. |
| 125104 | ERROR | `printf 'Failed to create disk hierarchy for "%s" on "%s" \$PRIMACH \$DEV` | Cause: The creation of a resource to protect a physical disk failed. Action: Check adjacent log messages for more details and try to resolve the reported problem. |
| 125107 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125114 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 125120 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125123 | ERROR | `printf 'Cannot access depstoextend script "%s" on server "%s"' \$depstoextend \$TargetSysName` | Cause: LifeKeeper was unable to run pre-extend checks on the resource hierarchy because it was unable to find the script "DEPSTOEXTEND" on {server}. Action: Check your LifeKeeper configuration. |
| 125126 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$ChildTag \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125129 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125155 | ERROR | SCSI \$DEV failed to lock. | Cause: There was a problem locking a SCSI device. Action: Check adjacent log messages for more details and try to resolve the reported problem. |
| 125164 | ERROR | SCSI \$INFO failed to unlock. | Cause: There was a problem unlocking a SCSI device. Action: Check adjacent log messages for more details and try to resolve the reported problem. |
| 125181 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTag \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 126105 | ERROR | script not specified - \$PTH is a directory | Cause: The specified script path is a directory. Action: Correct the path of the script. |
| 126110 | ERROR | script \$PTH does not exist | Cause: The specified script path does not exist. Action: Correct the path of the script. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 126115 | ERROR | script \$PTH is a zero length file | <p>Cause: The specified script is an empty file.</p> <p>Action: Correct the script's file path and check the contents inside the script.</p> |
| 126117 | ERROR | script \$PTH is not executable | <p>Cause: The specified script is not executable.</p> <p>Action: Correct the script's file path, check the contents inside the script file and make sure it has the proper execute permissions.</p> |
| 126125 | ERROR | required template machine name is null | <p>Cause: The input template machine name is null.</p> <p>Action: Correct the input template machine name.</p> |
| 126130 | ERROR | required template resource tag name is null | <p>Cause: The input template resource {tag} is null.</p> <p>Action: Correct the input template resource tag name.</p> |
| 126135 | ERROR | Unable to generate a new tag | <p>Cause: Failed to generate a new tag as the same as the template tag name on the target node using the "newtag" script during the extension. The tag name is already existing.</p> <p>Action: Avoid using duplicate tag name on the same node and check the log for detail.</p> |
| 126140 | ERROR | Unable to generate a new tag | <p>Cause: Failed to generate a new tag as input target tag name on the target node using the "newtag" script during the extension. The tag name is already existing.</p> <p>Action: Avoid using duplicate tag name on the same node and check log for detail.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 126150 | ERROR | unable to remote copy template \"\$_lscript\" script file | <p>Cause: Failed to remote copy template script file. The cause may be due to the non-existence/availability of template script file on template node or any transaction failure during "lcdrpc" process.</p> <p>Action: Check the existence/availability of template script and the connection to template node. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126155 | ERROR | failed to create resource instance on \"\${TargetSysName} | <p>Cause: Failed to create resource instance using "ins_create".</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126160 | ERROR | failed to set resource instance state for \"\${TargetTagName}\" on \"\${TargetSysName} | <p>Cause: Failed to set resource instance state using "ins_setstate" during GenApp resource extension.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126170 | ERROR | getlocks failure | <p>Cause: Failed to get the administrative lock when creating a resource hierarchy.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126175 | ERROR | instance create failed | <p>Cause: Failed to create a GenApp instance using "appins".</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126180 | ERROR | unable to set state to OSU | <p>Cause: Failed to set resource instance state using "ins_setstate" during GenApp resource creation.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 126190 | ERROR | resource restore has failed | <p>Cause: Failed to restore GenApp resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126200 | ERROR | create application hierarchy rlslocks failure | <p>Cause: Failed to release lock after GenApp resource created.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126210 | ERROR | copy \$ltype script \$lscript failure | <p>Cause: Failed to copy user provided script to appropriate GenApp directory during resource creation.</p> <p>Action: Check the existence/availability of user provided script and the GenApp directory as well. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126215 | ERROR | no \$ltype script specified | <p>Cause: Missing user defined script during GenApp resource creation.</p> <p>Action: Check the input action script and run resource creation again.</p> |
| 126220 | ERROR | no machine name specified | <p>Cause: Missing specified machine name during GenApp resource creation. Failed to copy specified user script due to missing the input for machine name.</p> <p>Action: Check the input for machine name and run resource creation again.</p> |
| 126225 | ERROR | no resource tag specified | <p>Cause: Missing specified tag name during resource creation.</p> <p>Action: Check the input for source tag name and run resource creation again.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 126230 | ERROR | \$ERRMSG Script was terminated for unknown reason | <p>Cause: Failed to extend GenApp resource due to unknown reason.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126235 | ERROR | \$ERRMSG Required template machine name is null | <p>Cause: Missing the input for template machine name during GenApp resource extension.</p> <p>Action: Check the input for template machine name and do the resource extension again.</p> |
| 126240 | ERROR | \$ERRMSG Required template resource tag name is null | <p>Cause: Missing the input for template resource tag name during GenApp resource extension.</p> <p>Action: Check the input for template resource tag name and do the resource extension again.</p> |
| 126245 | ERROR | \$ERRMSG Can not access extend for \$AppType/\$ResType resources on machine \"\$TargetSysName\ | <p>Cause: Failed to locate "extend" script during GenApp resource extension on target node.</p> <p>Action: Check the existence/availability of "extend" script and do GenApp resource extension again.</p> |
| 126250 | ERROR | create application failure - ins_list failed | <p>Cause: Failed when calling "ins_list" during GenApp resource creation.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126255 | ERROR | create application failure - unable to generate a new tag | <p>Cause: Failed to generate a new tag during the GenApp resource creation.</p> <p>Action: Avoid using duplicate tag name on the same node. Also check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 126270 | ERROR | create application failure - ins_create failed | <p>Cause: Failed using "ins_create" to create GenApp instance.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126275 | ERROR | create application failure - copy_actions failed | <p>Cause: Failed using "copy_actions" to copy user specified template script file.</p> <p>Action: Check the existence/availability of template script. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126290 | ERROR | Unable to obtain tag for resource with id \$ID | <p>Cause: Failed to fetch GenApp resource tag name by input ID during recovery.</p> <p>Action: Check the correctness of input ID and existence/availability of GenApp resource in LCD. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126300 | ERROR | generic application recover script for \$TAG was not found or was not executable | <p>Cause: Failed to locate the user defined script for GenApp resource during recovery.</p> <p>Action: Check the existence/availability of the user defined script and do the GenApp recovery process again.</p> |
| 126310 | ERROR | -t flag not specified | <p>Cause: Missing the input for resource tag name during GenApp resource restore.</p> <p>Action: Check the input for resource tag name and do resource restore again.</p> |
| 126315 | ERROR | -i flag not specified | <p>Cause: Missing the input for resource internal id during GenApp resource restore.</p> <p>Action: Check the input for resource internal id and do resource restore again.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 126335 | ERROR | restore script \"\$LCDAS/\$APP_RESTOREDIR/\$TAG\" was not found or is not executable | <p>Cause: Failed to locate the user defined script for GenApp resource during restore.</p> <p>Action: Check the existence/availability of the user defined script and do the GenApp restore process again.</p> |
| 126340 | ERROR | -t flag not specified | <p>Cause: Missing the input for resource tag name during GenApp resource remove.</p> <p>Action: Check the input for resource tag name and do resource remove again.</p> |
| 126345 | ERROR | -i flag not specified | <p>Cause: Missing the input for resource internal id during GenApp resource remove.</p> <p>Action: Check the input for resource internal id and do resource remove again.</p> |
| 126365 | ERROR | remove script \"\$LCDAS/\$APP_REMOVEDIR/\$TAG\" was not found or was not executable | <p>Cause: Failed to locate the user defined script for GenApp resource during remove.</p> <p>Action: Check the existence/availability of the user defined script and do the GenApp remove process again.</p> |
| 126375 | ERROR | Script has hung checking \"\$tag\". Forcibly terminating. | <p>Cause: The "quickCheck" Script will be forcibly terminated for GenApp resource with tag name {tag} due to a waiting time over the user defined timeout.</p> <p>Action: Check the GenApp resource performance and restart quickChecking. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126380 | ERROR | Usage error: no tag specified | <p>Cause: Missing the input for resource tag name during GenApp resource quickCheck.</p> <p>Action: Check the input for resource tag name and retry resource quickCheck.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 126385 | ERROR | Internal error: ins_list failed on \$tag. | <p>Cause: Failed using "ins_list" to fetch the GenApp resource information by input tag name during the quickCheck process.</p> <p>Action: Correct the input tag name and do the quickCheck process again. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126390 | FATAL | Failed to fork process to execute \$userscript: \$! | <p>Cause: Failed to fork process to execute user defined "quickCheck" script during the GenApp resource "quickCheck" process.</p> <p>Action: Check the existency/availability of the user defined "quickCheck" script and do the "quickCheck" process again.</p> |
| 126391 | ERROR | quickCheck has failed for \"\$tag\". Starting recovery. | <p>Cause: The GenApp resource with tag name {tag} is determined to be failed by using the user defined health monitoring script - "quickCheck" and the recovery process will be initiated.</p> <p>Action: Check the performance of the GenApp resource when local recovery finished. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126400 | ERROR | -t flag not specified | <p>Cause: Missing the input for resource tag name during GenApp resource deletion process.</p> <p>Action: Check the input for resource tag name and do resource deletion process again.</p> |
| 126405 | ERROR | -i flag not specified | <p>Cause: Missing the input for resource internal id during GenApp resource deletion process.</p> <p>Action: Check the input for resource internal id and do resource deletion process again.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 128005 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The quickCheck of {resource} on {server} failed due to an operating system signal {signal}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128008 | ERROR | Usage: quickCheck -t <tag name> -i <id> | <p>Cause: Incorrect arguments have been supplied to the dmmp device quickCheck command preventing it from running.</p> <p>Action: Make sure all software components are properly installed and at the correct version. Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource to be quickChecked.</p> |
| 128010 | ERROR | quickCheck for "%s" failed checks of underlying paths, initiate recovery. retry count=%s. | <p>Cause: The dmmp kit failed to quickCheck a device after {count} times of retries. A recovery of the protected dmmp resource will be executed.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128021 | ERROR | unable to find device for uuid "%s". | <p>Cause: The device could not be found by unique id during a restore operation.</p> <p>Action: Verify that the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource to be restored.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 128025 | ERROR | Device "%s" failed to unlock. | <p>Cause: A non working {device} was detected and could not be unlocked during the restore operation.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128026 | ERROR | Device "%s" failed to lock. | <p>Cause: The {device} could not be locked during the restore.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128031 | ERROR | unable to find device for uuid "%s". | <p>Cause: The device could not be found by unique id during the remove operation.</p> <p>Action: Verify that the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource to be removed.</p> |
| 128034 | ERROR | Device "%s" failed to unlock. | <p>Cause: The {device} could not be unlocked during the remove.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128036 | ERROR | unable to load existing information for device with uuid "%s". | <p>Cause: The device information could not be loaded by unique id.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128037 | ERROR | unable to load existing information for device "%s". | <p>Cause: The device information could not be loaded by name.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device name that identifies the dmmp device resource.</p> |
| 128038 | ERROR | unable to load existing information for device, no dev or uuid defined. | <p>Cause: The device information could not be loaded since neither a unique device id nor name of the device were defined.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device id or name that identifies the dmmp device resource.</p> |
| 128041 | ERROR | unable to load existing information for device with uuid "%s". | <p>Cause: The device information could not be loaded by unique id.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource.</p> |
| 128057 | ERROR | All paths are failed on "%s". | <p>Cause: LifeKeeper detected all paths listed to the protected dmmp device are in the failed state.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128058 | ERROR | could not determine registrations for "%s"! All paths failed. | <p>Cause: LifeKeeper could not determine registrations for protected dmmp {device}. All paths to the dmmp {device} are in the failed state.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 128059 | WARN | path "%s" no longer configured for "%s", remove from path list. | <p>Cause: LifeKeeper detected listed {path} to protected {device} is not valid anymore and will remove it from the path list.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128060 | WARN | registration failed on path "%s" for "%s". | <p>Cause: LifeKeeper failed the registration on {path} for protected dmmp {device}.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128062 | ERROR | all paths failed for "%s". | <p>Cause: LifeKeeper failed to verify a valid path to protected dmmp {device}.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128072 | ERROR | The daemon "%s" does not appear to be running and could not be restarted. Path failures may not be correctly handled without this daemon. | <p>Cause: LifeKeeper failed to verify dmmp daemon is running and could not restart it.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128078 | ERROR | "%s" resource type is not installed on "%s". | <p>Cause: The Device Mapper Multipath Recovery Kit for dmmp device support is not installed on the system.</p> <p>Action: Install the steeleye-ikDMMP Device Mapper Multipath Recovery Kit rpm on the system.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 128083 | ERROR | This script must be executed on "%s". | <p>Cause: An incorrect system name has been supplied as an argument to the devicehier script used to create the dmmp device resource.</p> <p>Action: Make sure the cluster nodes and comm-paths are properly configured. Supply the correct system name to the devicehier script. The name must match the name of the system on which the command is run.</p> |
| 128084 | ERROR | The device %s is not active. | <p>Cause: LifeKeeper failed to find the specified {device} as a valid device on the system during resource creation.</p> <p>Action: Check adjacent log messages for further details and related messages. Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource to be created.</p> |
| 128086 | ERROR | Failed to create "%s" hierarchy. | <p>Cause: LifeKeeper failed to create resource hierarchy for {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128088 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: LifeKeeper failed to create the resource with {tagname} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 128090 | ERROR | Failed to create dependency "%s"-"%s" on system "%s". | <p>Cause: LifeKeeper failed to create dependency {resource tag name} - {resource tag name} on {system} during creation.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128091 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: LifeKeeper failed to create {resource} on {system}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128101 | ERROR | "%s" constructor requires a valid argument. | <p>Cause: LifeKeeper failed to create an object for the dmmp resource during construction.</p> <p>Action: Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource.</p> |
| 128102 | ERROR | Invalid tag "%s". | <p>Cause: A resource instance could not be found for the given tag name.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource.</p> |
| 128111 | ERROR | Failed to get registrations for "%s": %s. Verify the storage supports persistent reservations. | <p>Cause: LifeKeeper failed to get the registrations of {device} with the message, "bad field in Persistent reservation in cdb".</p> <p>Action: Verify if the storage supports persistent reservations. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 128112 | ERROR | Failed to get registrations for "%s": %s. Verify the storage supports persistent reservations. | <p>Cause: LifeKeeper failed to get the registrations of {device} with the message, "illegal request".</p> <p>Action: Verify if the storage supports persistent reservations. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128136 | ERROR | A previous quickCheck with PID "%s" running for device "%s" has been terminated. | <p>Cause: LifeKeeper detected that a previous quickCheck operation is still running during the dmmp resource restore operation. It has been terminated by LifeKeeper.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128137 | ERROR | SCSI reservation conflict on %s during LifeKeeper resource initialization. Manual intervention required. | <p>Cause: LifeKeeper detected a SCSI reservation conflict on {device} during dmmp resource restore.</p> <p>Action: Check adjacent log messages for further details and related messages. Manual intervention and fix of the reservation conflict on {device} is required.</p> |
| 128138 | ERROR | unable to clear registrations on %s. | <p>Cause: LifeKeeper failed to clear all the registrations on {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128140 | WARN | registration failed on path %s for %s. | <p>Cause: LifeKeeper failed to make the registration on {path} for {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128143 | ERROR | reserve failed (%d) on %s. | <p>Cause: LifeKeeper failed to make reservation for {resource} on {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128145 | ERROR | The server ID "%s" returned by "%s" is not valid. | <p>Cause: LifeKeeper failed to generate a valid host {ID}.</p> <p>Action: The ID used to register a device is made up of 1 to 12 Hex digits that uniquely identifies the server in the cluster. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128146 | ERROR | device failure on %s. SYSTEM HALTED. | <p>Cause: LifeKeeper detected failure on {device} and will reboot the server.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128148 | ERROR | device failure on %s. SYSTEM HALTED DISABLED. | <p>Cause: LifeKeeper detected a failure on {device}. The reboot was skipped due to LifeKeeper configuration.</p> <p>Action: Check adjacent log messages for further details and related messages. Turn on the configuration "SCSIHALT" to make the reboot available for any detected device failure.</p> |
| 128149 | ERROR | device failure or SCSI Error on %s. SENDEVENT DISABLED. | <p>Cause: LifeKeeper detected a failure on {device}. The event generation was skipped due to LifeKeeper configuration.</p> <p>Action: Check adjacent log messages for further details and related messages. Turn on the configuration "SCSIEVENT" to make the sendevent available for any detected device failure.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 128150 | ERROR | %s does not have EXCLUSIVE access to %s, halt system. | <p>Cause: LifeKeeper detected a reservation conflict for {device} on {server} and will reboot the server.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128151 | ERROR | %s does not have EXCLUSIVE access to %s, halt system DISABLED. | <p>Cause: LifeKeeper detected a reservation conflict for {device} on {server}. The reboot was skipped due to LifeKeeper configuration.</p> <p>Action: Check adjacent log messages for further details and related messages. Turn on the configuration "RESERVATIONCONFLICT" to make the reboot available for any detected reservation conflicts.</p> |
| 128154 | WARN | unable to flush buffers on %s. | <p>Cause: LifeKeeper failed to flush the buffers for {device} during dmmp resource remove.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128157 | WARN | %s utility not found, limited healthcheck for %s. | <p>Cause: LifeKeeper failed to find "dd" utility for the health check of {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128160 | ERROR | %s failed to read %s. | <p>Cause: LifeKeeper failed a disk I/O test for {device} when using {utility}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128163 | ERROR | Registration ID "%s" for "%s" is not valid. | <p>Cause: LifeKeeper failed to generate a valid registration {ID} for {device}.</p> <p>Action: The ID used to register a device is made up of 4 Hex digits derived from the path to the device. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128170 | ERROR | Usage: canextend <Template system name> <Template tag name> | |
| 128500 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the dmmp device restore command preventing it from running.</p> <p>Action: Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource to be restored.</p> |
| 128504 | ERROR | "%s" resource type is not installed on "%s". | <p>Cause: The Device Mapper Multipath Recovery Kit for dmmp device support is not installed on the system.</p> <p>Action: Install the steeleye-ikDMMP Device Mapper Multipath Recovery Kit rpm on the system.</p> |
| 128506 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the dmmp device devShared command preventing it from running.</p> <p>Action: Rerun the command and supply the correct argument list: <Template Resource System Name> and <Template Resource Tag> that identifies the dmmp device resource to be created.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 128507 | FATAL | This script must be executed on "%s". | <p>Cause: An incorrect system name has been supplied as an argument to the devicehier script used to create the dmmp device resource.</p> <p>Action: Supply the correct system name to the devicehier script. The name must match the name of the system on which the command is run.</p> |
| 128511 | ERROR | Failed to get the ID for the device "%s". Hierarchy create failed. | <p>Cause: The devicehier script used to create the dmmp device resource was unable to determine the SCSI ID for the supplied device.</p> <p>Action: Check that the supplied device path exists and that is for a supported SCSI storage array.</p> |
| 128512 | ERROR | Failed to get the disk ID for the device "%s". Hierarchy create failed. | <p>Cause: The devicehier script used to create the dmmp disk resource was unable to determine the SCSI ID for the supplied disk.</p> <p>Action: Check that the supplied device path exists and that is for a supported SCSI storage array.</p> |
| 128513 | ERROR | Failed to create the underlying resource for device "%s". Hierarchy create failed. | <p>Cause: The creation of the underlying dmmp disk resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128515 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: The creation of the dmmp device resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128517 | ERROR | Failed to create dependency "%s"-"%s" on system "%s". | <p>Cause: The parent child dependency creation between the dmmp device and dmmp disk resources failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128519 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: The attempt to bring the newly created dmmp device resource in service has failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128521 | ERROR | Either TEMPLATESYS or TEMPLATETAG argument missing | <p>Cause: Incorrect arguments have been supplied to the extend command for the dmmp device resource.</p> <p>Action: Rerun the dmmp device resource extend and supply the correct template system and tag names.</p> |
| 128540 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the dmmp device getId command used to retrieve the SCSI ID.</p> <p>Action: Rerun the command and supply the correct argument list: -i <device path> or -b <device ID>.</p> |
| 128541 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the command used to delete the dmmp device resource.</p> <p>Action: Rerun the command and supply the correct argument list: -t <dmmp device resource tag>.</p> |
| 128543 | ERROR | device node \"\$dev\" does not exist. | <p>Cause: The device node required for restoring the dmmp device resource does not exist. The allocated wait time in restore for udev device creation has been exceed.</p> <p>Action: Rerun the dmmp device resource restore once udev has created the device.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 128544 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the remove command used to take the dmmp device resource out of service.</p> <p>Action: Rerun the command and supply the correct argument list: -t <dmmp device resource tag>.</p> |
| 129100 | FATAL | Failed to load instance from LifeKeeper. | <p>Cause: An invalid resource tag or ID was specified.</p> <p>Action: Check that the tag or ID is valid and re-run the command.</p> |
| 129103 | FATAL | No resource matches tag \"\$self->{tag}\". | <p>Cause: An invalid resource tag was specified.</p> <p>Action: Check the tag and re-run the command.</p> |
| 129104 | FATAL | An error occurred setting LifeKeeper resource information | <p>Cause: An internal error has occurred in LifeKeeper.</p> |
| 129108 | ERROR | Missing parameter \"\$param\" in ec2 resource object | <p>Cause: This is an internal error.</p> |
| 129110 | ERROR | Could not get the Elastic Network Interface ID for \$dev | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129111 | ERROR | Failed to get Allocation ID of Elastic IP \"\$elasticip\". | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129112 | ERROR | Cannot find curl executable. Please verify that the steeleye-curl package is installed. | <p>Cause: Install the steeleye-curl package, if it is not installed.</p> |
| 129113 | ERROR | Failed to get my instance ID. | <p>Cause: The EC2 instance metadata access failed.</p> <p>Action: Check the Amazon console and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 129114 | ERROR | Failed to get ENI ID. | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129115 | ERROR | Failed to associate Elastic IP, retrying \$i/\$MAX_RETRY | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129116 | ERROR | Failed to associate Elastic IP \"\$self->{'EIP'}\" on \"\$self->{'DEV'}\". | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129117 | ERROR | Failed to disassociate Elastic IP, retrying \$i/\$MAX_RETRY | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129118 | WARN | \$self->{'EIP'} is not associated with any instance. | <p>Cause: The Elastic IP is not associated with any instance.</p> <p>Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details.</p> |
| 129119 | WARN | \$self->{'EIP'} is associated with another instance. | <p>Cause: The Elastic IP is associated with another instance.</p> <p>Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 129120 | ERROR | Failed to recover Elastic IP. | <p>Cause: The EC2 API call failed to associate the Elastic IP.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129121 | ERROR | Recovery process ended but Elastic IP is not associated with this instance. Please check AWS console. | <p>Cause: The EC2 API call failed to associate the Elastic IP.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129122 | ERROR | Error creating resource \"\$target_tag\" with return code of \"\$err\". | <p>Cause: LifeKeeper was unable to create the resource instance on the server.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129123 | ERROR | Failed to get ENI ID. | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129124 | WARN | \$self->{'EIP'} is associated with another network interface. | <p>Cause: The Elastic IP is associated with the proper instance, but the wrong ENI.</p> <p>Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details.</p> |
| 129125 | ERROR | Link check failed for interface \"\$dev\". | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present.</p> <p>Action: Check the network interface and bring the link up.</p> |
| 129126 | ERROR | Link check failed for interface \"\$dev\". Reason: down slave. | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present.</p> <p>Action: Check the network interface and bring the link up.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129129 | WARN | The link for network interface '\\$self->{'DEV'}' is down. Attempting to bring the link up. | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present.</p> <p>Action: LifeKeeper will try to fix the issue by bringing the link up and associating the Elastic IP with the interface. Check adjacent log messages for more details.</p> |
| 129137 | ERROR | The link for network interface '\\$self->{'DEV'}' is still down. | <p>Cause: LifeKeeper could not bring the link up.</p> <p>Action: Ensure the interface is enabled and up. Check adjacent log messages for more details.</p> |
| 129139 | WARN | The link for network interface '\\$self->{'DEV'}' is down. | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present.</p> <p>Action: Check the network interface and bring the link up.</p> |
| 129140 | ERROR | Could not get ENI ID for \$self->{IP}. | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129141 | ERROR | Could not update route table, retrying \$i/\$MAX_RETRY (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129142 | ERROR | Failed to update route table | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129143 | ERROR | You must have exactly one IP address resource as the parent of the RouteTable EC2 resource. Please reconfigure your resource hierarchy. | <p>Cause: The Route Table EC2 resource must have one and only one IP resource as a parent.</p> <p>Action: Repair the resource hierarchy as necessary.</p> |
| 129144 | ERROR | \$func called with invalid timeout: \$timeout | <p>Cause: An invalid timeout value was specified in the /etc/default/LifeKeeper file.</p> <p>Action: Verify all EC2_*_TIMEOUT settings are valid in /etc/default/LifeKeeper.</p> |
| 129145 | ERROR | \$func action timed out after \$timeout seconds | <p>Cause: The action did not complete within the timeout period.</p> <p>Action: Consider increasing the EC2_*_TIMEOUT value for the given action (in /etc/default/LifeKeeper).</p> |
| 129146 | ERROR | failed to run \$func with timeout: \$@ | <p>Cause: This is an internal error.</p> |
| 129148 | ERROR | Amazon ec2-describe-route-tables call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129150 | ERROR | Elastic IP \"\$elasticIp\" is associated with another instance. | <p>Cause: The Elastic IP is not associated with the proper instance.</p> <p>Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details.</p> |
| 129151 | ERROR | Could not get the Association ID for Elastic IP \"\$elasticIp\". | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129152 | ERROR | Failed to disassociate Elastic IP \"\$self->{'EIP'}\" on \"\$self->{'DEV'}\". | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129153 | ERROR | Failed to disassociate Elastic IP \"\$elasticIp\", (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129154 | ERROR | Amazon ec2-describe-addresses call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129155 | ERROR | Amazon ec2-describe-addresses call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129156 | ERROR | curl call failed (err=%s)(output=%s | <p>Cause: The EC2 instance metadata access failed.</p> <p>Action: Check the Amazon console and retry the operation.</p> |
| 129157 | ERROR | curl call failed (err=%s)(output=%s | <p>Cause: The EC2 instance metadata access failed.</p> <p>Action: Check the Amazon console and retry the operation.</p> |
| 129158 | ERROR | curl call failed (err=%s)(output=%s | <p>Cause: The EC2 instance metadata access failed.</p> <p>Action: Check the Amazon console and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129159 | ERROR | Amazon ec2-associate-address call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129160 | ERROR | Amazon ec2-describe-addresses call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129161 | ERROR | Error deleting resource \"\$otherTag\" on \"\$otherSys\" with return code of \"\$err\". | <p>Cause: LifeKeeper was unable to delete the resource instance on the server.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129403 | ERROR | END failed create of \$TAG due to a \$sig signal | <p>Cause: The create process was interrupted by a signal.</p> |
| 129409 | ERROR | The IP resource \$IP_RES is not \"\$ISP\". | <p>Cause: The IP resource is not in service.</p> <p>Action: Bring the resource in service and retry the operation.</p> |
| 129410 | ERROR | Could not find IP resource \$IP_RES | <p>Cause: Ensure that the IP resource exists and retry the operation.</p> |
| 129412 | ERROR | EC2 resource \$ID is already protected | <p>Cause: A resource with the specified ID already exists.</p> <p>Action: Make sure to clean up any remnants of an old resource before re-creating a new resource.</p> |
| 129413 | ERROR | Failed to encrypt AWS_SECRET_KEY | <p>Cause: Ensure that the AWS_ACCESS_KEY and AWS_SECRET_KEY have been entered correctly.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129416 | ERROR | Error creating resource \"\$TAG\" with return code of \"\$!-cderror\". | <p>Cause: LifeKeeper was unable to create the resource instance.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129418 | ERROR | Dependency creation between \"\$IP_RES\" and \"\$TAG\" failed with return code of \"\$!cderror\". | <p>Cause: LifeKeeper was unable to create the resource dependency.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129420 | ERROR | In-service failed for tag \"\$TAG\". | <p>Cause: LifeKeeper could not bring the resource instance into service.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129800 | ERROR | canextend checks failed for \"\$self->{tag}\" (err=\$ret | <p>Cause: The pre-extend checks failed for the target server.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 134003 | ERROR | LK_ERROR:\$tag:catch a \"\$sig\" signal | <p>Cause: The "create" process was interrupted by a signal.</p> <p>Action: Check adjacent log messages.</p> |
| 134004 | ERROR | LK_ERROR:\$tag:Unable to getlocks on \$server during resource create. Error (\$rc) | <p>Cause: Failed to get the administrative lock when creating a resource hierarchy.</p> <p>Action: Check the logs for related errors and resolve the reported problem.</p> |
| 134005 | ERROR | LK_ERROR:\$tag:The service \"\$serviceName\" is not supported on \$server. Error (\$rc) | <p>Cause: The service does not exist or cannot be protected.</p> <p>Action: Input the appropriate service name.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 134006 | ERROR | LK_ERROR:\$tag:The service \"\$serviceName\" is already protected on \$server. | Cause: This service is already protected. Action: Can not create a resource to protect this service. |
| 134007 | ERROR | LK_ERROR:\$tag:Error creating resource \$tag. Error (\$rc) | Cause: LifeKeeper was unable to create the resource instance. Action: Check adjacent log messages and correct. the cause of the error. |
| 134011 | ERROR | LK_ERROR:\$tag:In-service attempted failed for tag \$tag. | Cause: Failed to restart the QSP resource. Action: Check the log related to the service to protect and. Resolve the problem. |
| 134015 | ERROR | LK_ERROR:\$tag:Unable to rlocks on \$server during resource create. Error (\$rc) | Cause: Failed to release the lock after QSP resource created. Action: Check the logs for related errors and resolve the reported problem. |
| 134103 | ERROR | LK_ERROR:\$tag:Template resource \"\$template_tag\" on server \"\$template_sys\" does not exist | Cause: The resource cannot be found on the template server.B Action: Ensure the hierarchy is correct on the template server before extending. |
| 134104 | ERROR | LK_ERROR:\$tag:Template resource \"\$template_tag\" on server \"\$template_sys\" is not QSP resource (app=\$ins [1], res=\$ins[2]) | Cause: The template resource is not QSP resource. Action: Extend the resource as to the same type one as the template. |
| 134105 | ERROR | LK_ERROR:\$tag:The service \"\$service\" is not supported on \$me. Error (\$check) | Cause: The service does not exist on target server. Action: Install the service on target server before extending. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 134106 | ERROR | LK_ERROR:\$tag:The service \"\$service\" is already protected on \$me. | <p>Cause: There is already a resource of the same ID on target server.</p> <p>Action: Cannot create the duplicated resource of the same service.</p> |
| 134203 | ERROR | LK_ERROR:\$tag:catch a \"\$sig\" signal | <p>Cause: The process to extend resource was interrupted by a signal.</p> <p>Action: Check adjacent log messages.</p> |
| 134204 | ERROR | LK_ERROR:\$tag:Template resource \"\$template_tag\" on server \"\$template_sys\" does not exist | <p>Cause: The resource cannot be found by the template system.</p> <p>Action: Ensure the hierarchy is correct on the template system server before extending.</p> |
| 134208 | ERROR | LK_ERROR:\$tag:Error creating resource \"\$tag\" on server \"\$me\" | <p>Cause: The resource cannot be found by the template system.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 134401 | ERROR | An error occurred during creation of LifeKeeper application=comm on %s. | <p>Cause: The start process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service and retry the "restore" operation. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 134208 | ERROR | LK_ERROR:\$tag:timeout \$cmd for \"\$tag\". Forcibly terminating. | <p>Cause: LifeKeeper was unable to create the resource instance on target server.</p> <p>Action: Check adjacent log messages and correct the cause of the error.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 134405 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | Cause: Failed to fork. This is a system error. Action: Determine why fork fails. |
| 134407 | ERROR | LK_ERROR:\$tag:service command has failed for \"\$tag\" | Cause: Failed to execute service command. Action: Manual execution of "service" command by "start" option causes an error. Correct the cause of the error referring to the error message. |
| 134501 | FATAL | LK_ERROR:\$tag:timeout \$cmd for \"\$tag\". Forcibly terminating.! | Cause: The "remove" process of the service does not terminate within the specified time. Action: Check the protected service and retry the "remove" operation. Also check the logs of related errors and resolve the reported problem. |
| 134505 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | Cause: Failed to fork. This is a system error. Action: Determine why fork fails. |
| 134507 | FATAL | LK_ERROR:\$tag:service command has failed for \"\$tag\" | Cause: Failed to execute service command. Action: Manual execution of service command by stop option causes an error. Correct the cause of the error by referring to error message. |
| 134601 | ERROR | LK_ERROR:\$tag:timeout \$cmd for \"\$tag\". Forcibly terminating. | Cause: The "remove" process of the service does not terminate within the specified time. Action: Check the protected service. Also check the logs for related errors and try to resolve the reported problem. |
| 134605 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | Cause: Failed to fork. This is a system error. Action: Determine why fork fails. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 134607 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | <p>Cause: Failed to execute service command.</p> <p>Action: Manual execution of service command by "status" option causes an error. Correct the cause of the error by referring to error message.</p> |
| 134501 | ERROR | LK_ERROR:\$tag:service command has failed for \"\$tag\" | <p>Cause: The "remove" process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service and retry the "remove" operation. Also check the logs of related errors and resolve the reported problem.</p> |
| 134701 | ERROR | LK_ERROR:\$tag:timeout \$cmd for \"\$tag\". Forcibly terminating. | <p>Cause: The "recover" process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service. Also check the logs for related errors and resolve the reported problem.</p> |
| 134706 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | <p>Cause: Failed to fork. This is a system error.</p> <p>Action: Determine why fork fails.</p> |
| 134708 | ERROR | LK_ERROR:\$tag:service command has failed for \"\$tag\" | <p>Cause: Failed to execute service command.</p> <p>Action: Manual execution of service command by "start" option causes an error. Correct the cause of the error by referring to error message.</p> |
| 134803 | ERROR | LK_ERROR:\$tag:tag \"\$tag\" does not exist on server \"\$me\" | <p>Cause: The specified tag does not exist. This is an internal error.</p> |
| 134804 | ERROR | LK_ERROR:\$tag:app type \"\$ins[1]\" is not \$app | <p>Cause: The specified tag is not QSP resource. This is an internal error.</p> |
| 134805 | ERROR | LK_ERROR:\$tag:res type \"\$ins[2]\" is not \$res | <p>Cause: The specified tag is not QSP resource. This is an internal error</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 134823 | ERROR | LK_ERROR:\$tag:tag \"\$tag\" does not exist on server \"\$me\" | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134824 | ERROR | LK_ERROR:\$tag:app type \"\$ins[1]\" is not \$app | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134825 | ERROR | LK_ERROR:\$tag:res type \"\$ins[2]\" is not \$res | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134843 | ERROR | LK_ERROR:\$tag:tag \"\$tag\" does not exist | Cause: The specified tag does not exist. This is an internal error. |
| 134844 | ERROR | LK_ERROR:\$tag:app type \"\$ins[1]\" is not \$app | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134845 | ERROR | LK_ERROR:\$tag:res type \"\$ins[2]\" is not \$res | Cause: The specified tag is not QSP resource. This is an internal error. |

DataKeeper Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 104002 | FATAL | \$msg | <p>Cause: This message indicates an internal software error.</p> <p>Action: The stack trace indicates the source of the error.</p> |
| 104003 | FATAL | \$self->Val('Tag') . " is not an SDR resource" | <p>Cause: A data replication action was attempted on a non data replication resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104010 | ERROR | \$self->{'md'}: bitmap merge failed, \$action | <p>Cause: The bitmap merge operation has failed.</p> <p>Action: The target server may have the mirror and/or protected filesystem mounted, or the bitmap file may be missing on the target. Check the target server.</p> |
| 104022 | ERROR | \$argv[1]: mdadm failed (\$ret | <p>Cause: The "mdadm" command has failed to add a device into the mirror.</p> <p>Action: This is usually a temporary condition.</p> |
| 104023 | ERROR | \$_ | <p>Cause: The message contains the output of the "mdadm" command.</p> |
| 104025 | ERROR | failed to spawn monitor | <p>Cause: The system failed to start the 'mdadm -F' monitor process. This should not happen under normal circumstances.</p> <p>Action: Reboot the system to ensure that any potential conflicts are resolved.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 104026 | ERROR | cannot create \$md | <p>Cause: The mirror device could not be created.</p> <p>Action: Ensure the device is not already in use and that all other parameters for the mirror creation are correct.</p> |
| 104027 | ERROR | \$_ | <p>Cause: This message contains the "mdadm" command output.</p> |
| 104035 | ERROR | Too many failures. Aborting resync of \$md | <p>Cause: The device was busy for an abnormally long period of time.</p> <p>Action: Reboot the system to be sure that the device is no longer busy.</p> |
| 104036 | ERROR | Failed to start nbd-server on \$target (error \$port | <p>Cause: The nbd-server process could not be started on the target server.</p> <p>Action: Ensure that the target disk device is available and that its Device ID has not changed.</p> |
| 104037 | ERROR | Failed to start compression (error \$port | <p>Cause: The system was unable to start the 'balance' tunnel process or there was a network problem.</p> <p>Action: Ensure that the network is operating properly and that TCP ports in the range 10000-10512 are opened and unused. Ensure that the software is installed properly on all systems.</p> |
| 104038 | ERROR | Failed to start nbd-client on \$source (error \$ret | <p>Cause: The nbd-client process has failed to start on the source server.</p> <p>Action: Look up the reported errno value and try to resolve the problem reported. For example, an errno value of 110 means "Connection timed out", which may indicate a network or firewall problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 104039 | ERROR | Failed to add \$nbd to \$md on \$source | <p>Cause: This is usually a temporary condition.</p> <p>Action: If this error persists, reboot the system to resolve any potential conflicts.</p> |
| 104045 | ERROR | failed to stop \$self->{'md'} | <p>Cause: The mirror device could not be stopped.</p> <p>Action: Ensure that the device is not busy or mounted. Try running "mdadm --stop" manually to stop the device.</p> |
| 104048 | WARN | failed to kill \$proc, pid \$pid | <p>Cause: The process could not be signalled. This may indicate that the process has already died.</p> <p>Action: Ensure that the process in question is no longer running. If it is, then reboot the system to clear up the unkillable process.</p> |
| 104050 | ERROR | Setting \$name on \$dest failed: \$ret. Please try again. | <p>Cause: The system failed to set a 'mirrorinfo' file setting.</p> <p>Action: Check the network and systems and retry the mirror setting operation.</p> |
| 104052 | FATAL | Specified existing mount point "%s" is not mounted | <p>Cause: The mount point became unmounted.</p> <p>Action: Ensure that the mount point is mounted and retry the operation.</p> |
| 104055 | ERROR | Failed to set up temporary \$type access to data for \$self->{'tag'}. Error: \$ret | <p>Cause: The filesystem or device was not available on the target server. The mirrored data will not be available on the target server until the mirror is paused and resumed again.</p> <p>Action: Reboot the target server to resolve any potential conflicts.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 104057 | ERROR | Failed to undo temporary access for \$self->{'tag'} on \$self->{'sys'}. Error: \$ret. Please verify that \$fsid is not mounted on server \$self->{'sys'}. | <p>Cause: The filesystem could not be unmounted on the target server.</p> <p>Action: Ensure that the filesystem and device are not busy on the target server. Reboot the target server to resolve any potential conflicts.</p> |
| 104062 | FATAL | Cannot find a device with unique ID "%s" | <p>Cause: The target disk could not be identified.</p> <p>Action: Ensure that the appropriate storage recovery kits are installed on the target server. Ensure that the Device ID of the target disk has not changed.</p> |
| 104066 | FATAL | Cannot get the hardware ID of device "%s" | <p>Cause: A unique ID could not be found for the target disk device.</p> <p>Action: Ensure that the appropriate storage recovery kits are installed on the target server. Ensure that the Device ID of the target disk has not changed.</p> |
| 104067 | FATAL | Asynchronous writes cannot be enabled without a bitmap file | <p>Cause: An attempt was made to create a mirror with invalid parameters.</p> <p>Action: A bitmap file parameter must be specified or synchronous writes must be specified.</p> |
| 104068 | FATAL | Failed to extend dependent resource %s to system %s. Error %s | <p>Cause: The hierarchy extend operation failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104070 | FATAL | Unable to extend the mirror "%s" to system "%s" | <p>Cause: The hierarchy extend operation failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 104071 | ERROR | Failed to restore target device resources on \$target->{sys'}: \$err | <p>Cause: The in-service operation has failed on the target server.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 104073 | EMERG | WARNING: A temporary communication failure has occurred between systems %s and %s. In order to avoid data corruption, data resynchronization will not occur. MANUAL INTERVENTION IS REQUIRED. In order to initiate data resynchronization, you should: 1) Take one of the following resources out of service (this resource will become the mirror target): %s on %s or %s on %s. 2) Take the other resource out of service (this resource will become the mirror source). 3) Run %s/bitmap -d %s on the system that will become mirror source. 4) Bring the mirror in service on the source system. A full resync will occur. | <p>Cause: A temporary communication failure (split-brain scenario) has occurred between the source and target servers.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 104074 | FATAL | Cannot get the hardware ID of device "%s" | <p>Cause: There is no storage recovery kit that recognizes the underlying disk device that you are attempting to use for the mirror.</p> <p>Action: Make sure the appropriate storage recovery kits are installed. If necessary, place your device name in the /opt/LifeKeeper/subsys/scsi/resources/DEVNAME/device_ pattern file.</p> |
| 104081 | FATAL | Cannot make the %s filesystem on "%s" (%d) | <p>Cause: The "mkfs" command failed.</p> <p>Action: Ensure that the disk device is writable and free of errors and that the filesystem tools for the selected filesystem are installed.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 104082 | FATAL | %s | Cause: This message contains the output of the "mkfs" command. |
| 104083 | FATAL | Cannot create filesystem hierarchy "%s" | Cause: The resource creation failed. Action: Check the logs for related errors and try to resolve the reported problem. |
| 104086 | ERROR | The "%s_data_corrupt" flag is set in "%s/sub-sys/scsi/resources/netraid/" on system "%s". To avoid data corruption, LifeKeeper will not restore the resource | Cause: The data corrupt flag file has been set as a precaution to prevent accidental data corruption. The mirror cannot be restored on this server until the file is removed. Action: If you are sure that the data is valid on the server in question, you can either: 1) remove the file and restore the mirror, or 2) force the mirror online using the LifeKeeper GUI or 'mirror_action force' command. |
| 104092 | ERROR | Mirror target resource movement to system %s : status %s | Cause: The hierarchy switchover operation has failed. Action: Check the logs for related errors and try to resolve the reported problem. |
| 104099 | ERROR | Unable to unextend the mirror for resource "%s" from system "%s" | Cause: The hierarchy unextend operation failed. Action: Reboot the target server to resolve any potential conflicts and retry the operation. |
| 104106 | ERROR | remote 'bitmap -m' command failed on \$target->{'sys'}: \$ranges | Cause: The bitmap merge command failed on the target server. This may be caused by one of two things: 1) The bitmap file may be missing or corrupted, or 2) the mirror (md) device may be active on the target. Action: Make sure that the mirror and protected filesystem are not active on the target. If the target's bitmap file is missing, pause and resume the mirror to recreate the bitmap file. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 104107 | ERROR | Asynchronous writes cannot be enabled without a bitmap file | Cause: Invalid parameters were specified for the mirror create operation. |
| 104108 | ERROR | Local Partition not available | Cause: Invalid parameters were specified for the mirror create operation. |
| 104109 | ERROR | Cannot get the hardware ID of device "%s" | Cause: A unique ID could not be determined for the disk device. Action: Ensure that the appropriate storage recovery kits are installed on the server. Ensure that the Device ID of the disk has not changed. |
| 104111 | FATAL | Insufficient input parameters for "%s" creation | Cause: Invalid parameters were specified for the mirror create operation. |
| 104112 | FATAL | Insufficient input parameters for "%s" creation | Cause: Invalid parameters were specified for the mirror create operation. |
| 104113 | FATAL | Insufficient input parameters for "%s" creation | Cause: Invalid parameters were specified for the mirror create operation. |
| 104114 | FATAL | Insufficient input parameters for "%s" creation | Cause: Invalid parameters were specified for the mirror create operation. |
| 104115 | FATAL | Insufficient input parameters for "%s" creation | Cause: Invalid parameters were specified for the mirror create operation. |
| 104117 | FATAL | Insufficient input parameters for "%s" creation | Cause: Invalid parameters were specified for the mirror create operation. |
| 104118 | FATAL | Cannot unmount existing Mount Point "%s" | Cause: The mount point is busy. Action: Make sure the filesystem is not busy. Stop any processes or applications that may be accessing the filesystem. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 104119 | FATAL | Invalid data replication resource type requested ("%s" | Cause: An invalid parameter was specified for the mirror create operation. |
| 104124 | EMERG | WARNING: A temporary communication failure has occurred between systems %s and %s. In order to avoid data corruption, data resynchronization will not occur. MANUAL INTERVENTION IS REQUIRED. In order to initiate data resynchronization, you should take one of the following resources out of service: %s on %s or %s on %s. The resource that is taken out of service will become the mirror target. | Cause: A temporary communication failure (split-brain scenario) has occurred between the source and target servers. Action: Perform the steps listed in the message text. |
| 104125 | ERROR | failed to start '\$cmd \$_[2] \$user_args' on '\$_[3]' | Cause: The specified command failed. Action: Check the logs for related errors and try to resolve the reported problem. |
| 104126 | ERROR | \$_ | Cause: This message contains the output of the command that was reported as failing in message 104125. |
| 104129 | WARN | | Cause: The replication connection for the mirror is down. Action: Check the network. |
| 104130 | ERROR | Mirror resize failed on %s (%s). You must successfully complete this operation before using the mirror. Please try again. | Cause: The mirror resize operation has failed to update the mirror metadata on the listed system. Action: You must successfully complete the resize before using the mirror. Re-run mirror_resize (possibly using -f to force the operation if necessary). |
| 104136 | ERROR | Extend failed. | Cause: The hierarchy extend operation failed. Action: Check the logs for related errors and try to resolve the reported problem. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 104143 | ERROR | Mirror resume was unsuccessful (\$ret | <p>Cause: The mirror could not be established.</p> <p>Action: Check the logs for related errors and try to resolve the reported problems.</p> |
| 104144 | ERROR | Unable to stop the mirror access for \$self->{'md'} on system \$self->{'sys'}. Error: \$ret. Use the "\mdadm --stop \$self->{'md'}\" command to manually stop the mirror. | <p>Cause: The mirror device created on the target node when the mirror was paused could not be stopped.</p> <p>Action: Ensure that the device is not busy or mounted. Try running "mdadm --stop" manually to stop the device.</p> |
| 104156 | WARN | Resynchronization of "%s" is in PENDING state. Current sync_action is: "%s" | <p>Cause: The resynchronization of the md device is detected in PENDING state.</p> <p>Action: LifeKeeper will try to fix the issue by forcing a resynchronization. Check the logs for related errors. When successful assure that the PENDING state has been cleared in /proc/mdstat and the resynchronization is in progress or has been completed for the datarep resource.</p> |
| 104157 | WARN | /etc/sysconfig/raid-check update failed. Please %s "\m-d%d\" to SKIP_DEVS. | |

DB2 Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103001 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | Cause: The db2nodes.cfg does not contain any server names. Action: Ensure the db2nodes.cfg is valid. |
| 103002 | ERROR | LifeKeeper was unable to get the version for the requested instance "%s" | Cause: "db2level" command did not return DB2 version. Action: Check your DB2 configuration. |
| 103003 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance. Action: Check your DB2 configuration. |
| 103004 | ERROR | Unable to get the information for resource "%s" | Cause: Failed to get resource information. Action: Check your LifeKeeper configuration. |
| 103005 | ERROR | Unable to get the information for resource "%s" | Cause: Failed to get resource information. Action: Check your LifeKeeper configuration. |
| 103006 | ERROR | Unable to get the instance information for resource "%s" | Cause: Failed to get the instance information. Action: Check your LifeKeeper configuration. |
| 103007 | ERROR | Unable to get the instance home directory information for resource "%s" | Cause: Failed to get the instance home directory path. Action: Check your LifeKeeper configuration. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103008 | ERROR | Unable to get the instance type information for resource "%s" | Cause: The DB2 Application Recovery Kit found invalid instance type. Action: Check your LifeKeeper configuration. |
| 103009 | ERROR | LifeKeeper has encountered an error while trying to get the database configuration parameters for database \"%DB\" | Cause: There was an unexpected error running "db2 get db cfg for \$DB" command. Action: Check the logs for related errors and try to resolve the reported problem. |
| 103012 | ERROR | LifeKeeper was unable to start the database server for instance "%s" | Cause: The requested startup of the DB2 instance failed. Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "restore" operation. |
| 103013 | ERROR | LifeKeeper was unable to start the database server for instance "%s" | Cause: The requested startup of the DB2 instance failed. Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "restore" operation. |
| 103015 | ERROR | An entry for the home directory "%s" of instance "%s" does not exist in "/etc/fstab" | Cause: The home directory of instance of Multiple Partition database should exist in "/etc/fstab". Action: Ensure the home directory exists in "/etc/fstab". |
| 103016 | ERROR | LifeKeeper was unable to mount the home directory for the DB2 instance "%s" | Cause: Failed to mount the home directory of instance of Multiple Partition database. Action: Ensure the home directory is mounted and retry the operation. |
| 103017 | ERROR | Unable to get the instance nodes information for resource "%s" | Cause: Failed to get the instance nodes. Action: Check your LifeKeeper configuration. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 103018 | ERROR | LifeKeeper was unable to start database partition server "%s" for instance "%s" | <p>Cause: The requested startup of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "restore" operation.</p> |
| 103020 | ERROR | LifeKeeper was unable to stop the database server for instance "%s" | <p>Cause: The requested shutdown of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "remove" operation.</p> |
| 103021 | ERROR | LifeKeeper was unable to stop the database server for instance "%s" | <p>Cause: The requested shutdown of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "remove" operation.</p> |
| 103023 | ERROR | Unable to get the instance nodes information for resource "%s" | <p>Cause: Failed to get the instance nodes.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 103024 | ERROR | LifeKeeper was unable to stop database partition server "%s" for instance "%s" | <p>Cause: The requested shutdown of the DB2 instance failed.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "remove" operation.</p> |
| 103026 | ERROR | Unable to get the instance nodes information for resource "%s" | <p>Cause: Failed to get the instance nodes.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103027 | FATAL | The argument for the DB2 instance is empty | <p>Cause: Invalid parameters were specified for the create operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103028 | FATAL | Unable to determine the DB2 instance home directory | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory.</p> <p>Action: Ensure the instance owner name is same as the instance name and retry the operation.</p> |
| 103029 | FATAL | Unable to determine the DB2 instance type | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type.</p> <p>Action: Check your DB2 configuration.</p> |
| 103030 | FATAL | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | <p>Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance.</p> <p>Action: Check your DB2 configuration.</p> |
| 103031 | ERROR | The path "%s" is not on a shared filesystem | <p>Cause: The instance home directory should be on a shared filesystem.</p> <p>Action: Ensure the path is on shared filesystem and retry the create operation.</p> |
| 103032 | ERROR | LifeKeeper was unable to get the DB tablespace containers for instance "%s" or the log path for one of its databases | <p>Cause: LifeKeeper could not determine the location of the database table space containers or verify that they are located in a path which is on a mounted filesystem.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem. Correct any reported errors before retrying the "create" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103033 | ERROR | The path "%s" is not on a shared filesystem | <p>Cause: The path of database table space container should be on a shared filesystem.</p> <p>Action: Ensure database table space container is on a shared filesystem and retry the operation.</p> |
| 103034 | ERROR | A DB2 Hierarchy already exists for instance "%s" | <p>Cause: An attempt was made to protect the DB2 instance that is already under LifeKeeper protection.</p> <p>Action: You must select a different DB2 instance for LifeKeeper protection.</p> |
| 103035 | ERROR | The file system resource "%s" is not in-service | <p>Cause: The file system which the DB2 resource depends on should be in service.</p> <p>Action: Ensure the file system resource is in service and retry the "create" operation.</p> |
| 103036 | ERROR | Unable to create the hierarchy for raw device "%s" | <p>Cause: LifeKeeper was unable to create the resource {raw device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 103037 | ERROR | A RAW hierarchy does not exist for the tag "%s" | <p>Cause: LifeKeeper was unable to find the raw resource {tag}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 103038 | ERROR | LifeKeeper was unable to create a dependency between the DB2 hierarchy "%s" and the Raw hierarchy "%s" | <p>Cause: The requested dependency creation between the parent DB2 resource and the child Raw resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the "create" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 103039 | ERROR | LifeKeeper could not disable the automatic startup feature of DB2 instance "%s" | <p>Cause: An unexpected error occurred while attempting to update the DB2 setting.</p> <p>Action: The DB2AUTOSTART will need to be updated manually to turn off the automatic startup of the instance at system boot.</p> |
| 103040 | ERROR | DB2 version "%s" is not installed on server "%s" | <p>Cause: LifeKeeper could not find DB2 installed location.</p> <p>Action: Check your DB2 configuration.</p> |
| 103041 | ERROR | The instance owner "%s" does not exist on target server "%s" | <p>Cause: An attempt to retrieve the DB2 instance owner from template server during a "canextend" or "extend" operation failed.</p> <p>Action: Verify the DB2 instance owner exists on the specified server. If the user does not exist, it should be created with the same uid and gid on all servers in the cluster.</p> |
| 103042 | ERROR | The instance owner "%s" uids are different on target server "%s" and template server "%s" | <p>Cause: The user id on the target server {target server} for the DB2 instance owner {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The user ids for the DB2 instance owner {user} must match on all servers in the cluster. The user id mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 103043 | ERROR | The instance owner "%s" gids are different on target server "%s" and template server "%s" | <p>Cause: The group id on the target server {target server} for the DB2 instance owner {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The group ids for the DB2 instance owner {user} must match on all servers in the cluster. The group id mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103044 | ERROR | The instance owner "%s" home directories are different on target server "%s" and template server "%s" | <p>Cause: The home directory location of the user {user} on the target server {target server} does not match the DB2 instance owner's home directory on the template server {template server}.</p> <p>Action: The home directory location of the DB2 instance owner {user} must match on all servers in the cluster. The location mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103045 | ERROR | LifeKeeper was unable to get the DB2 "SVCENAME" parameter for the DB2 instance | <p>Cause: There was an unexpected error running "db2 get dbm cfg" command.</p> <p>Action: Check your DB2 configuration.</p> |
| 103046 | ERROR | Unable to get the value of the DB2 "SVCENAME" parameter for the DB2 instance %s. | <p>Cause: The DB2 "SVCENAME" parameter is set to null.</p> <p>Action: Check your DB2 configuration.</p> |
| 103047 | ERROR | LifeKeeper was unable to get the contents of the "/etc/services" file on the server "%s" | <p>Cause: "/etc/services" on the template server does not contain the service names for the DB2 instance.</p> <p>Action: The service names in "/etc/services" for the DB2 instance must match on all servers in the cluster. The service names mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103048 | ERROR | LifeKeeper was unable to get the contents of the "/etc/services" file on the server "%s" | <p>Cause: "/etc/services" on the target server does not contain the service names for the DB2 instance.</p> <p>Action: The service names in "/etc/services" for the DB2 instance must match on all servers in the cluster. The service names mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103049 | ERROR | The "/etc/services" entries for the instance "%s" are different on target server "%s" and template server "%s" | <p>Cause: The "/etc/services" entries for the instance are mismatched.</p> <p>Action: The service names in "/etc/services" for the DB2 instance must match on all servers in the cluster. The service names mismatch should be corrected manually on all servers before retrying the "canextend" operation.</p> |
| 103050 | ERROR | The home directory "%s" for instance "%s" is not mounted on server "%s" | <p>Cause: LifeKeeper could not find db2nodes.cfg for Multiple Partition instance.</p> <p>Action: Ensure the home directory is mounted and retry the operation.</p> |
| 103051 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: Failed to get resource information from the template server.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 103052 | ERROR | LifeKeeper was unable to add instance "%s" and/or its variables to the DB2 registry | <p>Cause: There was an unexpected error running "db2iset" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 103054 | ERROR | Unable to determine the DB2 instance type | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type.</p> <p>Action: Check your DB2 configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 103055 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance. Action: Check your DB2 configuration. |
| 103060 | ERROR | Unable to determine the DB2 instance home directory | Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory. Action: Ensure the instance owner name is same as the instance name and retry the operation. |
| 103061 | ERROR | Unable to determine the DB2 instance type | Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type. Action: Check your DB2 configuration. |
| 103062 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | Cause: The DB2 Application Recovery Kit was unable to find the node for the DB2 instance. Action: Check your DB2 configuration. |
| 103063 | ERROR | Unable to determine the DB2 install path | Cause: The DB2 Application Recovery Kit was unable to find DB2 for the instance. Action: Check your DB2 configuration. |
| 103065 | ERROR | Invalid input provided for "%s" utility operation, characters are not allowed. | Cause: Invalid parameters were specified for the "nodes" command. Action: Verify the parameters and retry the operation. |
| 103066 | ERROR | Unable to get the information for resource "%s" | Cause: LifeKeeper was unable to find the resource {tag}. Action: Verify the parameters and retry the operation. |
| 103067 | ERROR | The DB2 instance "%s" is not a EEE or Multiple Partition instance | Cause: The resource {tag} is single partition instance. Action: Verify the parameters and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103069 | ERROR | Node "%s" is already protected by this hierarchy | <p>Cause: Invalid parameters were specified for the "nodes" command.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103070 | ERROR | Node number "%s" is the last remaining node protected by resource "%s". Deleting all nodes is not allowed. | <p>Cause: Invalid parameters were specified for the "nodes" command.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 103071 | ERROR | LifeKeeper is unable to get the equivalent instance for resource "%s" | <p>Cause: There was an unexpected error running "nodes" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 103072 | ERROR | Unable to set NodesInfo for resource "%s" on "%s" | <p>Cause: There was an unexpected error running "nodes" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 103073 | ERROR | Unable to set NodesInfo for resource "%s" on "%s" | <p>Cause: There was an unexpected error running "nodes" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 103076 | ERROR | Unable to determine the DB2 instance type | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance type.</p> <p>Action: Check your DB2 configuration.</p> |
| 103077 | ERROR | Unable to determine the DB2 instance home directory | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory.</p> <p>Action: Ensure the instance owner name is same as the instance name and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 103078 | ERROR | The database server is not running for instance "%s" | <p>Cause: A process check for the DB2 instance did not find any processes running.</p> <p>Action: The DB2 instance must be started.</p> |
| 103079 | ERROR | LifeKeeper has detected an error while trying to determine the node number(s) of the DB partition server(s) for the instance | <p>Cause: The DB2 Application Recovery Kit was unable to find any nodes for the DB2 instance.</p> <p>Action: Check your DB2 configuration.</p> |
| 103080 | ERROR | One or more of the database partition servers for instance "%s" is down | <p>Cause: All database partition servers should be running.</p> <p>Action: Ensure all database partition servers are running and retry the operation.</p> |
| 103082 | ERROR | Failed to create flag "%s" | <p>Cause: An unexpected error occurred attempting to create a flag for controlling DB2 local recovery processing.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 103083 | ERROR | Failed to remove flag "%s" | <p>Cause: An unexpected error occurred attempting to remove a flag for controlling DB2 local recovery processing.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 103084 | ERROR | Unable to determine the DB2 instance \"%Instance\" home directory | <p>Cause: The DB2 Application Recovery Kit was unable to determine the DB2 instance home directory.</p> <p>Action: Ensure the instance owner name is same as the instance name and retry the operation.</p> |

DMMP Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 128005 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The quickCheck of {resource} on {server} failed due to an operating system signal {signal}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128008 | ERROR | Usage: quickCheck -t <tag name> -i <id> | <p>Cause: Incorrect arguments have been supplied to the dmmp device quickCheck command preventing it from running.</p> <p>Action: Make sure all software components are properly installed and at the correct version. Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource to be quickChecked.</p> |
| 128010 | ERROR | quickCheck for "%s" failed checks of underlying paths, initiate recovery. retry count=%s. | <p>Cause: The dmmp kit failed to quickCheck a device after {count} times of retries. A recovery of the protected dmmp resource will be executed.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128021 | ERROR | unable to find device for uuid "%s". | <p>Cause: The device could not be found by unique id during a restore operation.</p> <p>Action: Verify that the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource to be restored.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 128025 | ERROR | Device "%s" failed to unlock. | <p>Cause: A non working {device} was detected and could not be unlocked during the restore operation.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128026 | ERROR | Device "%s" failed to lock. | <p>Cause: The {device} could not be locked during the restore.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128031 | ERROR | unable to find device for uuid "%s". | <p>Cause: The device could not be found by unique id during the remove operation.</p> <p>Action: Verify that the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource to be removed.</p> |
| 128034 | ERROR | Device "%s" failed to unlock. | <p>Cause: The {device} could not be unlocked during the remove.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128036 | ERROR | unable to load existing information for device with uuid "%s". | <p>Cause: The device information could not be loaded by unique id.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128037 | ERROR | unable to load existing information for device "%s". | <p>Cause: The device information could not be loaded by name.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device name that identifies the dmmp device resource.</p> |
| 128038 | ERROR | unable to load existing information for device, no dev or uuid defined. | <p>Cause: The device information could not be loaded since neither a unique device id nor name of the device were defined.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device id or name that identifies the dmmp device resource.</p> |
| 128041 | ERROR | unable to load existing information for device with uuid "%s". | <p>Cause: The device information could not be loaded by unique id.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct device id that identifies the dmmp device resource.</p> |
| 128057 | ERROR | All paths are failed on "%s". | <p>Cause: LifeKeeper detected all paths listed to the protected dmmp device are in the failed state.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128058 | ERROR | could not determine registrations for "%s"! All paths failed. | <p>Cause: LifeKeeper could not determine registrations for protected dmmp {device}. All paths to the dmmp {device} are in the failed state.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 128059 | WARN | path "%s" no longer configured for "%s", remove from path list. | <p>Cause: LifeKeeper detected listed {path} to protected {device} is not valid anymore and will remove it from the path list.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128060 | WARN | registration failed on path "%s" for "%s". | <p>Cause: LifeKeeper failed the registration on {path} for protected dmmp {device}.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128062 | ERROR | all paths failed for "%s". | <p>Cause: LifeKeeper failed to verify a valid path to protected dmmp {device}.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128072 | ERROR | The daemon "%s" does not appear to be running and could not be restarted. Path failures may not be correctly handled without this daemon. | <p>Cause: LifeKeeper failed to verify dmmp daemon is running and could not restart it.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128078 | ERROR | "%s" resource type is not installed on "%s". | <p>Cause: The Device Mapper Multipath Recovery Kit for dmmp device support is not installed on the system.</p> <p>Action: Install the steeleye-1kDMMP Device Mapper Multipath Recovery Kit rpm on the system.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 128083 | ERROR | This script must be executed on "%s". | <p>Cause: An incorrect system name has been supplied as an argument to the devicehier script used to create the dmmp device resource.</p> <p>Action: Make sure the cluster nodes and comm-paths are properly configured. Supply the correct system name to the devicehier script. The name must match the name of the system on which the command is run.</p> |
| 128084 | ERROR | The device %s is not active. | <p>Cause: LifeKeeper failed to find the specified {device} as a valid device on the system during resource creation.</p> <p>Action: Check adjacent log messages for further details and related messages. Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource to be created.</p> |
| 128086 | ERROR | Failed to create "%s" hierarchy. | <p>Cause: LifeKeeper failed to create resource hierarchy for {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128088 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: LifeKeeper failed to create the resource with {tagname} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128090 | ERROR | Failed to create dependency "%s"-"%s" on system "%s". | <p>Cause: LifeKeeper failed to create dependency {resource tag name} - {resource tag name} on {system} during creation.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128091 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: LifeKeeper failed to create {resource} on {system}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128101 | ERROR | "%s" constructor requires a valid argument. | <p>Cause: LifeKeeper failed to create an object for the dmmp resource during construction.</p> <p>Action: Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource.</p> |
| 128102 | ERROR | Invalid tag "%s". | <p>Cause: A resource instance could not be found for the given tag name.</p> <p>Action: Make sure the resource is configured properly. Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 128111 | ERROR | Failed to get registrations for "%s": %s. Verify the storage supports persistent reservations. | <p>Cause: LifeKeeper failed to get the registrations of {device} with the message, "bad field in Persistent reservation in cdb".</p> <p>Action: Verify if the storage supports persistent reservations. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128112 | ERROR | Failed to get registrations for "%s": %s. Verify the storage supports persistent reservations. | <p>Cause: LifeKeeper failed to get the registrations of {device} with the message, "illegal request".</p> <p>Action: Verify if the storage supports persistent reservations. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128136 | ERROR | A previous quickCheck with PID "%s" running for device "%s" has been terminated. | <p>Cause: LifeKeeper detected that a previous quickCheck operation is still running during the dmmp resource restore operation. It has been terminated by LifeKeeper.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128137 | ERROR | SCSI reservation conflict on %s during LifeKeeper resource initialization. Manual intervention required. | <p>Cause: LifeKeeper detected a SCSI reservation conflict on {device} during dmmp resource restore.</p> <p>Action: Check adjacent log messages for further details and related messages. Manual intervention and fix of the reservation conflict on {device} is required.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128138 | ERROR | unable to clear registrations on %s. | <p>Cause: LifeKeeper failed to clear all the registrations on {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128140 | WARN | registration failed on path %s for %s. | <p>Cause: LifeKeeper failed to make the registration on {path} for {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128143 | ERROR | reserve failed (%d) on %s. | <p>Cause: LifeKeeper failed to make reservation for {resource} on {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128145 | ERROR | The server ID "%s" returned by "%s" is not valid. | <p>Cause: LifeKeeper failed to generate a valid host {ID}.</p> <p>Action: The ID used to register a device is made up of 1 to 12 Hex digits that uniquely identifies the server in the cluster. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128146 | ERROR | device failure on %s. SYSTEM HALTED. | <p>Cause: LifeKeeper detected failure on {device} and will reboot the server.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 128148 | ERROR | device failure on %s. SYSTEM HALTED DISABLED. | <p>Cause: LifeKeeper detected a failure on {device}. The reboot was skipped due to LifeKeeper configuration.</p> <p>Action: Check adjacent log messages for further details and related messages. Turn on the configuration "SCSIHALT" to make the reboot available for any detected device failure.</p> |
| 128149 | ERROR | device failure or SCSI Error on %s. SENDEVENT DISABLED. | <p>Cause: LifeKeeper detected a failure on {device}. The event generation was skipped due to LifeKeeper configuration.</p> <p>Action: Check adjacent log messages for further details and related messages. Turn on the configuration "SCSIEVENT" to make the sendevent available for any detected device failure.</p> |
| 128150 | ERROR | %s does not have EXCLUSIVE access to %s, halt system. | <p>Cause: LifeKeeper detected a reservation conflict for {device} on {server} and will reboot the server.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 128151 | ERROR | %s does not have EXCLUSIVE access to %s, halt system DISABLED. | <p>Cause: LifeKeeper detected a reservation conflict for {device} on {server}. The reboot was skipped due to LifeKeeper configuration.</p> <p>Action: Check adjacent log messages for further details and related messages. Turn on the configuration "RESERVATIONCONFLICT" to make the reboot available for any detected reservation conflicts.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 128154 | WARN | unable to flush buffers on %s. | <p>Cause: LifeKeeper failed to flush the buffers for {device} during dmmp resource remove.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128157 | WARN | %s utility not found, limited healthcheck for %s. | <p>Cause: LifeKeeper failed to find "dd" utility for the health check of {device}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128160 | ERROR | %s failed to read %s. | <p>Cause: LifeKeeper failed a disk I/O test for {device} when using {utility}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128163 | ERROR | Registration ID "%s" for "%s" is not valid. | <p>Cause: LifeKeeper failed to generate a valid registration {ID} for {device}.</p> <p>Action: The ID used to register a device is made up of 4 Hex digits derived from the path to the device. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128170 | ERROR | Usage: canextend <Template system name> <Template tag name> | |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 128500 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the dmmp device restore command preventing it from running.</p> <p>Action: Rerun the command and supply the correct argument list: -t <Resource Tag> and -i <Resource ID> that identifies the dmmp device resource to be restored.</p> |
| 128504 | ERROR | "%s" resource type is not installed on "%s". | <p>Cause: The Device Mapper Multipath Recovery Kit for dmmp device support is not installed on the system.</p> <p>Action: Install the steeleye-1kDMMP Device Mapper Multipath Recovery Kit rpm on the system.</p> |
| 128506 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the dmmp device devShared command preventing it from running.</p> <p>Action: Rerun the command and supply the correct argument list: <Template Resource System Name> and <Template Resource Tag> that identifies the dmmp device resource to be created.</p> |
| 128507 | FATAL | This script must be executed on "%s". | <p>Cause: An incorrect system name has been supplied as an argument to the devicehier script used to create the dmmp device resource.</p> <p>Action: Supply the correct system name to the devicehier script. The name must match the name of the system on which the command is run.</p> |
| 128511 | ERROR | Failed to get the ID for the device "%s". Hierarchy create failed. | <p>Cause: The devicehier script used to create the dmmp device resource was unable to determine the SCSI ID for the supplied device.</p> <p>Action: Check that the supplied device path exists and that is for a supported SCSI storage array.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 128512 | ERROR | Failed to get the disk ID for the device "%s". Hierarchy create failed. | <p>Cause: The devicehier script used to create the dmmp disk resource was unable to determine the SCSI ID for the supplied disk.</p> <p>Action: Check that the supplied device path exists and that is for a supported SCSI storage array.</p> |
| 128513 | ERROR | Failed to create the underlying resource for device "%s". Hierarchy create failed. | <p>Cause: The creation of the underlying dmmp disk resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128515 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: The creation of the dmmp device resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128517 | ERROR | Failed to create dependency "%s"-"%s" on system "%s". | <p>Cause: The parent child dependency creation between the dmmp device and dmmp disk resources failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 128519 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: The attempt to bring the newly created dmmp device resource in service has failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 128521 | ERROR | Either TEMPLATESYS or TEMPLATETAG argument missing | <p>Cause: Incorrect arguments have been supplied to the extend command for the dmmp device resource.</p> <p>Action: Rerun the dmmp device resource extend and supply the correct template system and tag names.</p> |
| 128540 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the dmmp device getId command used to retrieve the SCSI ID.</p> <p>Action: Rerun the command and supply the correct argument list: -i <device path> or -b <device ID>.</p> |
| 128541 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the command used to delete the dmmp device resource.</p> <p>Action: Rerun the command and supply the correct argument list: -t <dmmp device resource tag>.</p> |
| 128543 | ERROR | device node \" <code>\$dev</code> \" does not exist. | <p>Cause: The device node required for restoring the dmmp device resource does not exist. The allocated wait time in restore for udev device creation has been exceeded.</p> <p>Action: Rerun the dmmp device resource restore once udev has created the device.</p> |
| 128544 | ERROR | Usage error | <p>Cause: Incorrect arguments have been supplied to the remove command used to take the dmmp device resource out of service.</p> <p>Action: Rerun the command and supply the correct argument list: -t <dmmp device resource tag>.</p> |

EC2 Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 129100 | FATAL | Failed to load instance from LifeKeeper. | Cause: An invalid resource tag or ID was specified. Action: Check that the tag or ID is valid and re-run the command. |
| 129103 | FATAL | No resource matches tag \"\$self->{tag}\". | Cause: An invalid resource tag was specified. Action: Check the tag and re-run the command. |
| 129104 | FATAL | An error occurred setting LifeKeeper resource information | Cause: An internal error has occurred in LifeKeeper. |
| 129108 | ERROR | Missing parameter \"\$param\" in ec2 resource object | Cause: This is an internal error. |
| 129110 | ERROR | Could not get the Elastic Network Interface ID for \$dev | Cause: The EC2 API call failed, possibly due to a network issue. Action: Check the network and the Amazon console and retry the operation. |
| 129111 | ERROR | Failed to get Allocation ID of Elastic IP \"\$elasticIp\". | Cause: The EC2 API call failed, possibly due to a network issue. Action: Check the network and the Amazon console and retry the operation. |
| 129112 | ERROR | Cannot find curl executable. Please verify that the steeleye-curl package is installed. | Cause: Install the steeleye-curl package, if it is not installed. |
| 129113 | ERROR | Failed to get my instance ID. | Cause: The EC2 instance metadata access failed. Action: Check the Amazon console and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 129114 | ERROR | Failed to get ENI ID. | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129115 | ERROR | Failed to associate Elastic IP, retrying \$i/\$MAX_RETRY | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129116 | ERROR | Failed to associate Elastic IP \"\$self->{'EIP'}\" on \"\$self->{'DEV'}\". | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129117 | ERROR | Failed to disassociate Elastic IP, retrying \$i/\$MAX_RETRY | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129118 | WARN | \$self->{'EIP'} is not associated with any instance. | <p>Cause: The Elastic IP is not associated with any instance.</p> <p>Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details.</p> |
| 129119 | WARN | \$self->{'EIP'} is associated with another instance. | <p>Cause: The Elastic IP is associated with another instance.</p> <p>Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129120 | ERROR | Failed to recover Elastic IP. | Cause: The EC2 API call failed to associate the Elastic IP. Action: Check the network and the Amazon console and retry the operation. |
| 129121 | ERROR | Recovery process ended but Elastic IP is not associated with this instance. Please check AWS console. | Cause: The EC2 API call failed to associate the Elastic IP. Action: Check the network and the Amazon console and retry the operation. |
| 129122 | ERROR | Error creating resource \"\$target_tag\" with return code of \"\$err\". | Cause: LifeKeeper was unable to create the resource instance on the server. Action: Check adjacent log messages for further details and related messages. Correct any reported errors. |
| 129123 | ERROR | Failed to get ENI ID. | Cause: The EC2 API call failed, possibly due to a network issue. Action: Check the network and the Amazon console and retry the operation. |
| 129124 | WARN | \$self->{'EIP'} is associated with another network interface. | Cause: The Elastic IP is associated with the proper instance, but the wrong ENI. Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details. |
| 129125 | ERROR | Link check failed for interface \"\$dev\". | Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present. Action: Check the network interface and bring the link up. |
| 129126 | ERROR | Link check failed for interface \"\$dev\". Reason: down slave. | Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present. Action: Check the network interface and bring the link up. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129129 | WARN | The link for network interface '\\$self->{'DEV'}' is down. Attempting to bring the link up. | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present.</p> <p>Action: LifeKeeper will try to fix the issue by bringing the link up and associating the Elastic IP with the interface. Check adjacent log messages for more details.</p> |
| 129137 | ERROR | The link for network interface '\\$self->{'DEV'}' is still down. | <p>Cause: LifeKeeper could not bring the link up.</p> <p>Action: Ensure the interface is enabled and up. Check adjacent log messages for more details.</p> |
| 129139 | WARN | The link for network interface '\\$self->{'DEV'}' is down. | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present.</p> <p>Action: Check the network interface and bring the link up.</p> |
| 129140 | ERROR | Could not get ENI ID for \$self->{IP}. | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129141 | ERROR | Could not update route table, retrying \$i/\$MAX_RETRY (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129142 | ERROR | Failed to update route table | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129143 | ERROR | You must have exactly one IP address resource as the parent of the RouteTable EC2 resource. Please reconfigure your resource hierarchy. | <p>Cause: The Route Table EC2 resource must have one and only one IP resource as a parent.</p> <p>Action: Repair the resource hierarchy as necessary.</p> |
| 129144 | ERROR | \$func called with invalid timeout: \$timeout | <p>Cause: An invalid timeout value was specified in the /etc/default/LifeKeeper file.</p> <p>Action: Verify all EC2_*_TIMEOUT settings are valid in /etc/default/LifeKeeper.</p> |
| 129145 | ERROR | \$func action timed out after \$timeout seconds | <p>Cause: The action did not complete within the timeout period.</p> <p>Action: Consider increasing the EC2_*_TIMEOUT value for the given action (in /etc/default/LifeKeeper).</p> |
| 129146 | ERROR | failed to run \$func with timeout: \$@ | <p>Cause: This is an internal error.</p> |
| 129148 | ERROR | Amazon ec2-describe-route-tables call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129150 | ERROR | Elastic IP \"\$elasticIp\" is associated with another instance. | <p>Cause: The Elastic IP is not associated with the proper instance.</p> <p>Action: LifeKeeper will try to fix the issue by calling the EC2 API to associate the Elastic IP. Check adjacent log messages for more details.</p> |
| 129151 | ERROR | Could not get the Association ID for Elastic IP \"\$elasticIp\". | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 129152 | ERROR | Failed to disassociate Elastic IP \"\$self->{'EIP'}\" on \"\$self->{'DEV'}\". | Cause: The EC2 API call failed, possibly due to a network issue. Action: Check the network and the Amazon console and retry the operation. |
| 129153 | ERROR | Failed to disassociate Elastic IP \"\$elasticIp\", (err=%s)(output=%s | Cause: The EC2 API call failed, possibly due to a network issue. Action: Check the network and the Amazon console and retry the operation. |
| 129154 | ERROR | Amazon ec2-describe-addresses call failed (err=%s)(output=%s | Cause: The EC2 API call failed, possibly due to a network issue. Action: Check the network and the Amazon console and retry the operation. |
| 129155 | ERROR | Amazon ec2-describe-addresses call failed (err=%s)(output=%s | Cause: The EC2 API call failed, possibly due to a network issue. Action: Check the network and the Amazon console and retry the operation. |
| 129156 | ERROR | curl call failed (err=%s)(output=%s | Cause: The EC2 instance metadata access failed. Action: Check the Amazon console and retry the operation. |
| 129157 | ERROR | curl call failed (err=%s)(output=%s | Cause: The EC2 instance metadata access failed. Action: Check the Amazon console and retry the operation. |
| 129158 | ERROR | curl call failed (err=%s)(output=%s | Cause: The EC2 instance metadata access failed. Action: Check the Amazon console and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129159 | ERROR | Amazon ec2-associate-address call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129160 | ERROR | Amazon ec2-describe-addresses call failed (err=%s)(output=%s | <p>Cause: The EC2 API call failed, possibly due to a network issue.</p> <p>Action: Check the network and the Amazon console and retry the operation.</p> |
| 129161 | ERROR | Error deleting resource \"\$otherTag\" on \"\$otherSys\" with return code of \"\$err\". | <p>Cause: LifeKeeper was unable to delete the resource instance on the server.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129403 | ERROR | END failed create of \$TAG due to a \$sig signal | <p>Cause: The create process was interrupted by a signal.</p> |
| 129409 | ERROR | The IP resource \$IP_RES is not \"\$ISP\". | <p>Cause: The IP resource is not in service.</p> <p>Action: Bring the resource in service and retry the operation.</p> |
| 129410 | ERROR | Could not find IP resource \$IP_RES | <p>Cause: Ensure that the IP resource exists and retry the operation.</p> |
| 129412 | ERROR | EC2 resource \$ID is already protected | <p>Cause: A resource with the specified ID already exists.</p> <p>Action: Make sure to clean up any remnants of an old resource before re-creating a new resource.</p> |
| 129413 | ERROR | Failed to encrypt AWS_SECRET_KEY | <p>Cause: Ensure that the AWS_ACCESS_KEY and AWS_SECRET_KEY have been entered correctly.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 129416 | ERROR | Error creating resource \"\$TAG\" with return code of \"\$!-cderror\". | <p>Cause: LifeKeeper was unable to create the resource instance.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129418 | ERROR | Dependency creation between \"\$IP_RES\" and \"\$TAG\" failed with return code of \"\$!cderror\". | <p>Cause: LifeKeeper was unable to create the resource dependency.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129420 | ERROR | In-service failed for tag \"\$TAG\". | <p>Cause: LifeKeeper could not bring the resource instance into service.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 129800 | ERROR | canextend checks failed for \"\$self->{tag}\" (err=\$ret | <p>Cause: The pre-extend checks failed for the target server.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |

File System Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124004 | FATAL | resource tag name not specified | <p>Cause: Invalid arguments were specified for the "quickCheck" operation.</p> <p>Action: Ensure that the correct arguments are passed.</p> |
| 124005 | FATAL | resource id not specified | <p>Cause: Invalid arguments were specified for the "quickCheck" operation.</p> <p>Action: Ensure that the correct arguments are passed.</p> |
| 124007 | FATAL | Failed to get resource information | <p>Cause: The filesystem resource's info field does not contain the correct information.</p> <p>Action: Put the correct information in the resource's info field or restore the system from a recent "lkbackup" to restore the original info field.</p> |
| 124008 | ERROR | getId failed | <p>Cause: The filesystem resource could not find the underlying disk device.</p> <p>Action: Check adjacent log messages for further details. Verify that the resource hierarchy is valid and that all required storage kits are installed.</p> |
| 124009 | ERROR | LifeKeeper protected filesystem is in service but quick-Check detects the following error | <p>Cause: The filesystem kit has found something wrong with the resource.</p> <p>Action: Check the messages immediately following this one for more details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124010 | ERROR | \"\$id\" is not mounted | Cause: The filesystem resource is no longer mounted. Action: No action is required. Allow local recovery to remount the resource. |
| 124011 | ERROR | \"\$id\" is mounted but with the incorrect mount options (current mount option list: \$mntopts, expected mount option list: \$infopts) | Cause: The filesystem resource is mounted incorrectly. Action: No action is required. Allow local recovery to remount the resource. |
| 124012 | ERROR | \"\$id\" is mounted but on the wrong device (current mount device: \$tmpdev, expected mount device: \$dev) | Cause: The filesystem resource has the wrong device mounted. Action: No action is required. Allow local recovery to remount the resource. |
| 124015 | ERROR | LifeKeeper protected filesystem \"\$tag\" (\$id) is \$percent% full (\$blocksfree free blocks). | Cause: The filesystem is getting full. Action: Remove or migrate data from the filesystem. |
| 124016 | WARN | LifeKeeper protected filesystem \"\$tag\" (\$id) is \$percent%% full (\$blocksfree free blocks). | Cause: The filesystem is getting full. Action: Remove or migrate data from the filesystem. |
| 124020 | FATAL | cannot find device information for filesystem \$id | Cause: The filesystem resource could not find the underlying disk device. Action: Check adjacent log messages for further details. Verify that the resource hierarchy is valid and that all required storage kits are installed. |
| 124029 | ERROR | Failed to find child resource. | Cause: The filesystem resource could not determine its underlying disk resource. Action: Ensure that the resource hierarchy is correct. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124032 | FATAL | Script has hung. Exiting. | <p>Cause: Processes had files open on a mounted filesystem that needed to be unmounted. Killing those processes has taken too long.</p> <p>Action: If this error continues, try to temporarily stop all software that may be using the mount point to allow it to be unmounted. If the filesystem still cannot be unmounted, contact Support.</p> |
| 124042 | ERROR | file system \$fsname failed unmount; will try again | <p>Cause: Processes had files open on a mounted filesystem that needed to be unmounted. It can take multiple attempts to clear those processes.</p> <p>Action: No action is required. Allow the process to continue.</p> |
| 124046 | ERROR | file system \$fsname failed unmount | <p>Cause: A filesystem could not be unmounted.</p> <p>Action: If this error continues, try to temporarily stop all software that may be using the mount point to allow it to be unmounted. If the filesystem still cannot be unmounted, contact Support.</p> |
| 124049 | ERROR | Local recovery of resource has failed (err=\$err | <p>Cause: A filesystem resource has a problem that cannot be repaired locally.</p> <p>Action: No action is required. Allow the resource to be failed over to another system.</p> |
| 124103 | ERROR | \$ERRMSG Script was terminated for unknown reason | <p>Cause: This message should not occur under normal circumstances.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124104 | ERROR | \$ERRMSG Required template machine name is null | <p>Cause: Invalid arguments were specified for the canextend operation.</p> <p>Action: Ensure that the arguments are correct. If this error happens during normal operation, please contact Support.</p> |
| 124105 | ERROR | \$ERRMSG Required template resource tag name is null | <p>Cause: Invalid arguments were specified for the canextend operation.</p> <p>Action: Ensure that the arguments are correct. If this error happens during normal operation, please contact Support.</p> |
| 124106 | ERROR | \$ERRMSG Unable to access template resource \"\$TemplateTagName\ | <p>Cause: The resource's underlying disk information cannot be determined.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 124107 | ERROR | \$ERRMSG Resource \"\$TemplateTagName\" must have one and only one device resource dependency | <p>Cause: The resource has too many underlying devices in the hierarchy.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 124108 | ERROR | \$ERRMSG Unable to access template resource \"\$TemplateTagName\ | <p>Cause: The resource cannot be found on the template system.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 124109 | ERROR | \$ERRMSG Can not access canextend for scsi/\$DeviceResType resources on machine \"\$TargetSysName\ | <p>Cause: The target system is missing some required components.</p> <p>Action: Ensure that the target system has all the correct kits installed and licensed.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124110 | ERROR | \$ERRMSG Either filesystem \"\$TemplateLKId\" is not mounted on \"\$TemplateSysName\" or filesystem is not shareable with \"\$TargetSysName\" | <p>Cause: The filesystem isn't in service on the template system or doesn't meet the requirements for extending to the target system.</p> <p>Action: Make sure the resource is in service on the template system and review the product documentation regarding the requirements for extending filesystems.</p> |
| 124111 | ERROR | \$ERRMSG File system type \"{FSType}\" is not supported by the kernel currently running on \"{TargetSysName}\" | <p>Cause: The filesystem's type cannot be mounted on the target system due to lack of kernel support.</p> <p>Action: Ensure that the target system has all its kernel modules configured correctly before extending the resource.</p> |
| 124112 | ERROR | must specify machine name containing primary hierarchy | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |
| 124113 | ERROR | must specify primary ROOT tag | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |
| 124114 | ERROR | must specify primary mount point | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |
| 124115 | ERROR | must specify primary switchback type | <p>Cause: Invalid arguments were specified for the creFShier operation.</p> <p>Action: If this error happens during normal operation, please contact Support.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124118 | ERROR | dep_remove failure on machine \"'\$PRIMACH'\" for parent \"'\$PRITAG'\" and child \"'\$DEVTAG'\". | Cause: Cleanup after a dependency creation failed. Action: Check adjacent log messages for further details. |
| 124119 | ERROR | ins_remove failure on machine \"'\$PRIMACH'\" for \"'\$PRITAG'\". | Cause: Cleanup after an instance creation failed. Action: Check adjacent log messages for further details. |
| 124121 | ERROR | ins_remove failure on machine \"'\$PRIMACH'\". | Cause: Cleanup after a resource creation failed. Action: Check adjacent log messages for further details. |
| 124122 | ERROR | \$ERRMSG Script was terminated for unknown reason | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124123 | ERROR | \$ERRMSG Required template machine name is null | Cause: Invalid arguments were specified for the depstoextend operation. Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support. |
| 124124 | ERROR | \$ERRMSG Required template resource tag name is null | Cause: Invalid arguments were specified for the depstoextend operation. Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support. |
| 124125 | ERROR | \$ERRMSG Unable to access template resource \"'\$TemplateTagName'\". | Cause: The resource was unable to locate its underlying disk resource. Action: Ensure the hierarchy and all dependencies are correct before extending. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124126 | ERROR | unextmgr failure on machine \"'\$PRIMACH\" | <p>Cause: The cleanup, after a failed resource extend operation, failed.</p> <p>Action: Manually clean up any remaining resources and check adjacent log messages for further details.</p> |
| 124128 | ERROR | unextmgr failure on machine \"'\$PRIMACH\" for \"'\$PRITAG.\" | <p>Cause: The cleanup, after a failed resource extend operation, failed.</p> <p>Action: Manually clean up any remaining resources and check adjacent log messages for further details.</p> |
| 124129 | ERROR | \$ERRMSG Script was terminated for unknown reason | <p>Cause: This message should not occur under normal circumstances.</p> <p>Action: Look for additional log messages for more details.</p> |
| 124130 | ERROR | \$ERRMSG Required template machine name is null | <p>Cause: Invalid arguments were specified for the extend operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124131 | ERROR | \$ERRMSG Required template resource tag name is null | <p>Cause: Invalid arguments were specified for the extend operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124132 | ERROR | \$ERRMSG Required target mount point is null | <p>Cause: Invalid arguments were specified for the extend operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124133 | ERROR | \$ERRMSG Unable to access template resource \"\$TemplateTagName\" | <p>Cause: The tag being extended doesn't exist on the template system.</p> <p>Action: Ensure that the hierarchy is correct on the template system before extending.</p> |
| 124134 | ERROR | \$ERRMSG Detected conflict in expected tag name \"\$TargetTagName\" on target machine. | <p>Cause: A resource already exists on the target system with the same tag as the resource being extended.</p> <p>Action: Recreate one of the conflicting resources with a different tag.</p> |
| 124135 | ERROR | \$ERRMSG Resource \"\$TemplateTagName\" does not have required device resource dependency or unable to access this resource on template machine. | <p>Cause: The resource or its underlying disk resource cannot be found on the template system.</p> <p>Action: Ensure that the hierarchy is correct on the template system before extending.</p> |
| 124136 | ERROR | \$ERRMSG Resource \"\$TemplateTagName\" must have one and only one device resource dependency | <p>Cause: The resource has multiple underlying devices in the hierarchy on the template system.</p> <p>Action: Ensure the hierarchy is correct before extending and that the filesystem resource only depends on a single disk resource.</p> |
| 124137 | ERROR | \$ERRMSG Can not access extend for scsi/\$DeviceResType resources on machine \"\$TargetSysName\" | <p>Cause: The files required to support the given storage type aren't available on the target system.</p> <p>Action: Ensure that the required kits are installed on the target system and licensed.</p> |
| 124138 | ERROR | \$ERRMSG Unable to access target device resource \"\$DeviceTagName\" on machine \"\$TargetSysName\" | <p>Cause: The required underlying disk resource doesn't exist on the target system.</p> <p>Action: Check adjacent log messages for further details and ensure that the target system is properly configured for hosting the resources being extended.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124139 | ERROR | \$ERRMSG Unable to access template \"/etc/mstab\" file | <p>Cause: The target system cannot read the template system's /etc/mstab file.</p> <p>Action: Check adjacent log messages for further details. Ensure that the /etc/mstab file exists on the template system.</p> |
| 124140 | ERROR | \$ERRMSG Unable to find mount point entry \"\$TemplateLKId\" in template \"/etc/mstab\" file. Is template resource in-service? | <p>Cause: The resource doesn't appear to be mounted on the template system.</p> <p>Action: Make sure the resource is in service before extending.</p> |
| 124141 | ERROR | \$ERRMSG Unable to find mount point \"\$TemplateLKId\" mode on template machine | <p>Cause: The details of the mount point on the template system cannot be determined.</p> <p>Action: Ensure that the resource is in service and accessible on the template system before extending.</p> |
| 124142 | ERROR | \$ERRMSG Unable to create or access mount point \"\$TargetLKId\" on target machine | <p>Cause: The mount point could not be created on the target system.</p> <p>Action: Ensure that the mount point's parent directory exists and is accessible on the target system.</p> |
| 124143 | ERROR | \$ERRMSG Two or more conflicting entries found in /etc/fstab on \"\$TargetSysName\" | <p>Cause: The device or mount point appears to be mounted more than once on the target system.</p> <p>Action: Ensure that the mount point is not mounted on the target system before extending.</p> |
| 124144 | ERROR | \$ERRMSG Failed to create resource instance on \"\$TargetSysName\" | <p>Cause: The resource creation on the target system failed.</p> <p>Action: Check adjacent log messages for further details. Make sure to check the logs on the target server.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124145 | ERROR | \$ERRMSG Failed to set resource instance state for \" <code>\$TargetTagName</code> \" on \" <code>\$TargetSysName</code> \" | <p>Cause: The source state could not be changed to OSU on the target system.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124146 | ERROR | must specify machine name containing primary hierarchy | <p>Cause: Invalid arguments were specified for the filesyshier operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124147 | ERROR | must specify primary mount point | <p>Cause: Invalid arguments were specified for the filesyshier operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124149 | ERROR | create file system hierarchy failure | <p>Cause: The process of finding the resource instance failed.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124150 | ERROR | create file system hierarchy failure | <p>Cause: The system failed to read the <code>/etc/mtab</code> file.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124151 | ERROR | create file system hierarchy failure | <p>Cause: The mount point could not be found in the <code>/etc/mtab</code> file.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124152 | ERROR | create file system hierarchy failure | <p>Cause: The underlying disk resource could not be found.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124153 | ERROR | create file system hierarchy failure | <p>Cause: Creating the filesystem resource failed.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 124154 | ERROR | create file system hierarchy failure | Cause: The info field for the resource could not be updated. Action: Check adjacent log messages for further details. |
| 124155 | ERROR | create file system hierarchy failure | Cause: The switchback strategy could not be set on the resource. Action: Check adjacent log messages for further details. |
| 124157 | ERROR | create file system hierarchy failure \{(conflicting entries in /etc/fstab\} | Cause: The mount point could not be removed from the /etc/fstab file. Action: Check adjacent log messages for further details. |
| 124160 | ERROR | Unknown error in script filesysins, err=\$err | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124161 | ERROR | create filesys instance - existid - failure | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124163 | ERROR | create filesys instance - ins_list - failure | Cause: Checking for an existing resource failed. Action: Check adjacent log messages for further details. |
| 124164 | ERROR | create filesys instance - newtag - failure | Cause: The system failed to generate a suggested tag for the resource. Action: If this error happens during normal operation, contact Support. |
| 124168 | ERROR | create filesys instance - ins_create - failure | Cause: The filesystem resource could not be created. Action: Check adjacent log messages for further details. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124169 | ERROR | filesys instance - ins_setstate - failure | <p>Cause: The new filesystem resource's state could not be initialized.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124173 | ERROR | create filesys instance - dep_create - failure | <p>Cause: The resource's dependency relationship with its underlying disk could not be created.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124174 | ERROR | machine not specified | <p>Cause: Invalid arguments were specified for the mmenu_mp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124175 | ERROR | mount point not specified | <p>Cause: Invalid arguments were specified for the mmenu_mp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124177 | ERROR | unexpected multiple matches found | <p>Cause: One or more systems show a filesystem or mount point used more than once.</p> <p>Action: Verify filesystem devices and mount points and ensure that filesystems are only mounted once. Look for additional log messages for more details.</p> |
| 124178 | ERROR | machine name not specified | <p>Cause: Invalid arguments were specified for the menump operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124180 | ERROR | must specify filesystem type | <p>Cause: Invalid arguments were specified for the validfstype operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124181 | ERROR | mount point not specified | <p>Cause: Invalid arguments were specified for the validmp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124182 | ERROR | The mount point \$MP is not an absolute path | <p>Cause: A mount point was specified that isn't an absolute path (doesn't start with a '/').</p> <p>Action: Specify a mount point as an absolute path starting with a '/'.</p> |
| 124183 | ERROR | \$MP is already mounted on \$MACH | <p>Cause: The requested mount point is already in use on the system.</p> <p>Action: Specify a mount point that isn't in use or unmount it before retrying the operation.</p> |
| 124184 | ERROR | The mount point \$MP is already protected by LifeKeeper on \$MACH | <p>Cause: The system is already protecting the specified mount point.</p> <p>Action: Choose a different mount point that isn't already being protected.</p> |
| 124185 | ERROR | The mount point \$MP is not a directory on \$MACH | <p>Cause: The mount point refers to a non-directory such as a regular file.</p> <p>Action: Choose a mount point that refers to a directory.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124186 | ERROR | The mount point directory \$MP is not empty on \$MACH | <p>Cause: The specified mount point refers to a directory that isn't empty.</p> <p>Action: Choose a mount point that is empty or remove the contents of the specified directory before retrying the operation.</p> |
| 124187 | ERROR | server name not specified | <p>Cause: Invalid arguments were specified for the valuepmp operation.</p> <p>Action: Ensure the script is called correctly. If this error happens during normal operation, please contact Support.</p> |
| 124188 | ERROR | There are no mount points on server \$MACH | <p>Cause: There are no possible mount points for filesystem resource on the server.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124194 | WARN | Please correct conflicting \"/etc/fstab\" entries on server \$UNAME for: \$FSDEV, \$FSNAME | <p>Cause: After deleting a filesystem resource, some entries in /etc/fstab need to be manually cleaned up.</p> <p>Action: Manually clean up the /etc/fstab file.</p> |
| 124195 | ERROR | getchildinfo found no \$OKAPP child for \$PTAG | <p>Cause: The system could not find a child resource in the hierarchy.</p> <p>Action: Check adjacent log messages for further details and ensure that the hierarchy is correct before retrying the operation.</p> |
| 124196 | ERROR | enablequotas - quotacheck may have failed for \$FS_NAME | <p>Cause: The quota operation failed.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 124198 | ERROR | enablequotas - quotaon failed to turn on quotas for \$FS_NAME, reason | <p>Cause: The quota operation failed.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and /var/log/messages.</p> |
| 124200 | ERROR | The device node \$dev was not found or did not appear in the udev create time limit of \$delay seconds | <p>Cause: A device node (/dev/...) was not created by udev. This may indicate an issue with the storage or the server's connection to the storage.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |
| 124201 | WARN | Device \$device not found. Will retry wait to see if it appears. | <p>Cause: This can happen under normal conditions while udev creates device node entries for storage. This message should not happen repeatedly.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |
| 124202 | ERROR | Command \"\$commandwithargs\" failed. Retrying | <p>Cause: The given command failed but may have failed temporarily. This failure may happen during normal operations but should not keep failing.</p> <p>Action: Check adjacent log messages for further details if this message continues.</p> |
| 124204 | WARN | cannot make file system \$FSNAME mount point | <p>Cause: The mount point directory could not be created.</p> <p>Action: Ensure that the mount point can be created. This may be due to filesystem permissions, mount options, etc.</p> |
| 124207 | ERROR | \"fsck\"ing file system \$FSNAME failed, trying alternative superblock | <p>Cause: This message indicates that the typical filesystem check failed. This message may be ok for ext2 filesystems or other filesystems where an alternative superblock location is used.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124209 | ERROR | \\"fsck\\"ing file system \$FSNAME with alternative superblock failed | <p>Cause: This indicates that an ext2 filesystem (or other filesystem where an alternative superblock location is used) check failed with the alternative superblock location.</p> <p>Action: Check adjacent log messages for further details and instructions on how to proceed.</p> |
| 124210 | WARN | POSSIBLE FILESYSTEM CORRUPTION ON \$FSNAME (\$FPNAME | <p>Cause: A filesystem was put in service or failed over when it was out of sync with its mirror source.</p> <p>Action: Check adjacent log messages for further details and review the product documentation for information on how to bring the filesystem in service safely.</p> |
| 124211 | ERROR | Reason for fsck failure (\$retval): \$ret | <p>Cause: This log message is part of a series of messages and gives the actual exit code from the fsck process.</p> <p>Action: Check adjacent log messages for further details and instructions on how to proceed.</p> |
| 124212 | ERROR | \\"fsck\\" of file system \$FSNAME failed | <p>Cause: The check of the filesystem failed. This is usually due to the filesystem having corruption.</p> <p>Action: Check adjacent log messages for further details. Review the product documentation for instructions on how to handle possible filesystem corruption.</p> |
| 124213 | WARN | POSSIBLE FILESYSTEM CORRUPTION ON \$FSNAME (\$FPNAME | <p>Cause: The system or user tried to bring into service a filesystem that may be corrupted. This can happen if a filesystem is switched or failed over when it was out of sync with its mirror source.</p> <p>Action: Check adjacent log messages for further details and review the product documentation for instructions on how to bring the resource into service safely.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 124214 | ERROR | Reason for fsck failure (\$retval) | <p>Cause: This message should follow a previous log message about a filesystem check failure and gives the process exit code of the fsck process.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124218 | ERROR | File system \$FSNAME was found to be already | <p>Cause: This message is part of a series of messages.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124219 | ERROR | mounted after initial mount attempt failed. | <p>Cause: This message is part of a series of messages. This should not happen under normal circumstances but may not be fatal if the resource can be put in service.</p> <p>Action: Check adjacent log messages for further details in both the lifekeeper log and in /var/log/messages.</p> |
| 124220 | ERROR | File system \$FSNAME failed to mount. | <p>Cause: The filesystem could not be mounted.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 124221 | WARN | Protected Filesystem \$ID is full | <p>Cause: The filesystem is full.</p> <p>Action: Remove unused data from the filesystem or migrate to a larger filesystem.</p> |
| 124222 | WARN | Dependent Applications may be affected <> | <p>Cause: This indicates that an operation on a resource is likely to cause operation on other resources based on the resource hierarchy.</p> <p>Action: Make sure it's acceptable for the indicated resources to be affected before continuing.</p> |
| 124223 | ERROR | Put \"\$t\" Out-Of-Service Failed By Signal | <p>Cause: This message should not occur under normal circumstances.</p> <p>Action: Check adjacent log messages for further details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 124227 | ERROR | Put \"\$i\" Out-Of-Service Failed | Cause: The operation failed. Action: Check adjacent log messages for further details. |
| 124230 | ERROR | Put \"\$t\" In-Service Failed By Signal | Cause: This message should not occur under normal circumstances. Action: Check adjacent log messages for further details. |
| 124231 | ERROR | Put \"\$t\" In-Service Failed | Cause: The operation failed. Action: Check adjacent log messages for further details. |
| 124234 | ERROR | Put \"\$t\" In-Service Failed | Cause: The operation failed. Action: Check adjacent log messages for further details. |

Gen/App Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 126105 | ERROR | script not specified - \$PTH is a directory | Cause: The specified script path is a directory. Action: Correct the path of the script. |
| 126110 | ERROR | script \$PTH does not exist | Cause: The specified script path does not exist. Action: Correct the path of the script. |
| 126115 | ERROR | script \$PTH is a zero length file | Cause: The specified script is an empty file. Action: Correct the script's file path and check the contents inside the script. |
| 126117 | ERROR | script \$PTH is not executable | Cause: The specified script is not executable. Action: Correct the script's file path, check the contents inside the script file and make sure it has the proper execute permissions. |
| 126125 | ERROR | required template machine name is null | Cause: The input template machine name is null. Action: Correct the input template machine name. |
| 126130 | ERROR | required template resource tag name is null | Cause: The input template resource {tag} is null. Action: Correct the input template resource tag name. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 126135 | ERROR | Unable to generate a new tag | <p>Cause: Failed to generate a new tag as the same as the template tag name on the target node using the "newtag" script during the extension. The tag name is already existing.</p> <p>Action: Avoid using duplicate tag name on the same node and check the log for detail.</p> |
| 126140 | ERROR | Unable to generate a new tag | <p>Cause: Failed to generate a new tag as input target tag name on the target node using the "newtag" script during the extension. The tag name is already existing.</p> <p>Action: Avoid using duplicate tag name on the same node and check log for detail.</p> |
| 126150 | ERROR | unable to remote copy template \"\$_lscript\" script file | <p>Cause: Failed to remote copy template script file. The cause may be due to the non-existence/availability of template script file on template node or any transaction failure during "lcdrcp" process.</p> <p>Action: Check the existence/availability of template script and the connection to template node. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126155 | ERROR | failed to create resource instance on \"\${TargetSysName} | <p>Cause: Failed to create resource instance using "ins_create".</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126160 | ERROR | failed to set resource instance state for \"\${TargetTagName}\" on \"\${TargetSysName} | <p>Cause: Failed to set resource instance state using "ins_setstate" during GenApp resource extension.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 126170 | ERROR | getlocks failure | <p>Cause: Failed to get the administrative lock when creating a resource hierarchy.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126175 | ERROR | instance create failed | <p>Cause: Failed to create a GenApp instance using "appins".</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126180 | ERROR | unable to set state to OSU | <p>Cause: Failed to set resource instance state using "ins_setstate" during GenApp resource creation.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126190 | ERROR | resource restore has failed | <p>Cause: Failed to restore GenApp resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126200 | ERROR | create application hierarchy rlocks failure | <p>Cause: Failed to release lock after GenApp resource created.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126210 | ERROR | copy \$ltype script \$lscript failure | <p>Cause: Failed to copy user provided script to appropriate GenApp directory during resource creation.</p> <p>Action: Check the existence/availability of user provided script and the GenApp directory as well. Also check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 126215 | ERROR | no \$!type script specified | <p>Cause: Missing user defined script during GenApp resource creation.</p> <p>Action: Check the input action script and run resource creation again.</p> |
| 126220 | ERROR | no machine name specified | <p>Cause: Missing specified machine name during GenApp resource creation. Failed to copy specified user script due to missing the input for machine name.</p> <p>Action: Check the input for machine name and run resource creation again.</p> |
| 126225 | ERROR | no resource tag specified | <p>Cause: Missing specified tag name during resource creation.</p> <p>Action: Check the input for source tag name and run resource creation again.</p> |
| 126230 | ERROR | \$ERRMSG Script was terminated for unknown reason | <p>Cause: Failed to extend GenApp resource due to unknown reason.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126235 | ERROR | \$ERRMSG Required template machine name is null | <p>Cause: Missing the input for template machine name during GenApp resource extension.</p> <p>Action: Check the input for template machine name and do the resource extension again.</p> |
| 126240 | ERROR | \$ERRMSG Required template resource tag name is null | <p>Cause: Missing the input for template resource tag name during GenApp resource extension.</p> <p>Action: Check the input for template resource tag name and do the resource extension again.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 126245 | ERROR | \$ERRMSG Can not access extend for \$AppType/\$ResType resources on machine \"\$TargetSysName\ | <p>Cause: Failed to locate "extend" script during GenApp resource extension on target node.</p> <p>Action: Check the existence/availability of "extend" script and do GenApp resource extension again.</p> |
| 126250 | ERROR | create application failure - ins_list failed | <p>Cause: Failed when calling "ins_list" during GenApp resource creation.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126255 | ERROR | create application failure - unable to generate a new tag | <p>Cause: Failed to generate a new tag during the GenApp resource creation.</p> <p>Action: Avoid using duplicate tag name on the same node. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126270 | ERROR | create application failure - ins_create failed | <p>Cause: Failed using "ins_create" to create GenApp instance.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 126275 | ERROR | create application failure - copy_actions failed | <p>Cause: Failed using "copy_actions" to copy user specified template script file.</p> <p>Action: Check the existence/availability of template script. Also check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 126290 | ERROR | Unable to obtain tag for resource with id \$ID | <p>Cause: Failed to fetch GenApp resource tag name by input ID during recovery.</p> <p>Action: Check the correctness of input ID and existence/availability of GenApp resource in LCD. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126300 | ERROR | generic application recover script for \$TAG was not found or was not executable | <p>Cause: Failed to locate the user defined script for GenApp resource during recovery.</p> <p>Action: Check the existence/availability of the user defined script and do the GenApp recovery process again.</p> |
| 126310 | ERROR | -t flag not specified | <p>Cause: Missing the input for resource tag name during GenApp resource restore.</p> <p>Action: Check the input for resource tag name and do resource restore again.</p> |
| 126315 | ERROR | -i flag not specified | <p>Cause: Missing the input for resource internal id during GenApp resource restore.</p> <p>Action: Check the input for resource internal id and do resource restore again.</p> |
| 126335 | ERROR | restore script \"\$LCDAS/\$APP_RESTOREDIR/\$TAG\" was not found or is not executable | <p>Cause: Failed to locate the user defined script for GenApp resource during restore.</p> <p>Action: Check the existence/availability of the user defined script and do the GenApp restore process again.</p> |
| 126340 | ERROR | -t flag not specified | <p>Cause: Missing the input for resource tag name during GenApp resource remove.</p> <p>Action: Check the input for resource tag name and do resource remove again.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 126345 | ERROR | -i flag not specified | <p>Cause: Missing the input for resource internal id during GenApp resource remove.</p> <p>Action: Check the input for resource internal id and do resource remove again.</p> |
| 126365 | ERROR | remove script \"\$LCDAS/\$APP_REMOVEDIR/\$TAG\" was not found or was not executable | <p>Cause: Failed to locate the user defined script for GenApp resource during remove.</p> <p>Action: Check the existence/availability of the user defined script and do the GenApp remove process again.</p> |
| 126375 | ERROR | Script has hung checking \"\$tag\". Forcibly terminating. | <p>Cause: The "quickCheck" Script will be forcibly terminated for GenApp resource with tag name {tag} due to a waiting time over the user defined timeout.</p> <p>Action: Check the GenApp resource performance and restart quickChecking. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126380 | ERROR | Usage error: no tag specified | <p>Cause: Missing the input for resource tag name during GenApp resource quickCheck.</p> <p>Action: Check the input for resource tag name and retry resource quickCheck.</p> |
| 126385 | ERROR | Internal error: ins_list failed on \$tag. | <p>Cause: Failed using "ins_list" to fetch the GenApp resource information by input tag name during the quickCheck process.</p> <p>Action: Correct the input tag name and do the quickCheck process again. Also check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 126390 | FATAL | Failed to fork process to execute \$userscript: \$! | <p>Cause: Failed to fork process to execute user defined "quickCheck" script during the GenApp resource "quickCheck" process.</p> <p>Action: Check the existency/availability of the user defined "quickCheck" script and do the "quickCheck" process again.</p> |
| 126391 | ERROR | quickCheck has failed for \"\$tag\". Starting recovery. | <p>Cause: The GenApp resource with tag name {tag} is determined to be failed by using the user defined health monitoring script - "quickCheck" and the recovery process will be initiated.</p> <p>Action: Check the performance of the GenApp resource when local recovery finished. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 126400 | ERROR | -t flag not specified | <p>Cause: Missing the input for resource tag name during GenApp resource deletion process.</p> <p>Action: Check the input for resource tag name and do resource deletion process again.</p> |
| 126405 | ERROR | -i flag not specified | <p>Cause: Missing the input for resource internal id during GenApp resource deletion process.</p> <p>Action: Check the input for resource internal id and do resource deletion process again.</p> |

IP Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 123006 | FATAL | Unknown version %s of IP address | <p>Cause: The IP address does not appear to be valid for either IPv4 or IPv6.</p> <p>Action: Provide a valid IP address.</p> |
| 123008 | ERROR | No pinglist found for %s. | <p>Cause: Problem while opening the pinglist for this IP address.</p> <p>Action: Make sure you have provided a pinglist for this IP address.</p> |
| 123009 | ERROR | List ping test failed for virtual IP %s | <p>Cause: No response was received from any of the addresses in the ping list.</p> <p>Action: Check network connectivity of this node and the systems on which the IPs in the ping list reside.</p> |
| 123013 | ERROR | Link check failed for virtual IP %s on interface %s. | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present on the physical layer connection.</p> <p>Action: Check the physical connections for the interface and bring the physical layer link up.</p> |
| 123015 | ERROR | Link check failed for virtual IP %s on interface %s. | <p>Cause: The requested interface is a bonded interface, and one of the slaves is showing 'NO-CARRIER' indicating that no link is present on the physical layer connection.</p> <p>Action: Check the physical connections for the slave interface and bring the physical layer link up.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 123024 | ERROR | IP address seems to still exist somewhere else. | <p>Cause: The IP address appears to be in use elsewhere on the network.</p> <p>Action: Either select a different IP address to use or locate and disable the current use of this IP address.</p> |
| 123027 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The quickCheck of a virtual IP ended due to a timeout.</p> <p>Action: Correct the condition or provide a more appropriate value for IP_QUICKCHECK_TIMEOUT in /etc/default/LifeKeeper.</p> |
| 123037 | ERROR | must specify machine name containing primary hierarchy | <p>Cause: Not enough arguments were provided to crelPhier.</p> <p>Action: Supply all of the needed arguments to crelPhier.</p> |
| 123038 | ERROR | must specify IP resource name | <p>Cause: Not enough arguments were passed to crelPhier.</p> <p>Action: Supply all of the needed arguments to crelPhier.</p> |
| 123039 | ERROR | must specify primary IP Resource tag | <p>Cause: The argument specifying the primary IP Resource tag was missing from the "crelPhier" command.</p> <p>Action: Supply all of the needed arguments.</p> |
| 123042 | ERROR | An unknown error has occurred in utility validmask on machine %s. | <p>Cause: There was an unexpected error running the "validmask" utility.</p> <p>Action: Check adjacent log messages for additional details.</p> |
| 123045 | ERROR | An unknown error has occurred in utility getlocks. | <p>Cause: There was an unexpected error running the "getlocks" utility.</p> <p>Action: Check adjacent log messages for additional details.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 123053 | ERROR | Cannot resolve hostname %s | <p>Cause: A hostname was provided for the IP address, but the system was unable to resolve the name to an IP address.</p> <p>Action: Check the correctness of the hostname and verify that name resolution (DNS or /etc/hosts) is working correctly and returns the IP for the hostname.</p> |
| 123055 | ERROR | An unknown error has occurred in utility %s on machine %s. | <p>Cause: There was a failure while creating the IP resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 123056 | ERROR | create ip hierarchy failure: perform_action failed | <p>Cause: Unexpected error trying to restore the IP address during creation.</p> <p>Action: Check adjacent log messages for additional details.</p> |
| 123059 | ERROR | Resource already exists on machine %s | <p>Cause: Attempted to create an IP address that already exists.</p> <p>Action: Reuse the existing resource or manually remove the IP address if it exists or use a different IP address.</p> |
| 123060 | ERROR | ins_create failed on machine %s | <p>Cause: An unexpected failure occurred while creating an IP resource.</p> <p>Action: Check adjacent log messages for further details.</p> |
| 123064 | ERROR | An unknown error has occurred in utility %s on machine %s. | <p>Cause: There was a failure while creating a dependency for the IP resource.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 123066 | ERROR | An error occurred during creation of LifeKeeper application=comm on %s. | <p>Cause: A failure occurred while calling "app_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 123068 | ERROR | An error occurred during creation of LifeKeeper resource type=ip on %s. | <p>Cause: A failure occurred while calling "typ_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 123091 | ERROR | the link for interface %s is down | <p>Cause: The requested interface is showing 'NO-CARRIER' indicating that no link is present on the physical layer connection.</p> <p>Action: Check the physical connections for the interface and bring the physical layer link up.</p> |
| 123093 | ERROR | the ping list check failed | <p>Cause: No response was received from any of the addresses in the ping list.</p> <p>Action: Check network connectivity of this node and the systems on which the IPs in the ping list reside.</p> |
| 123095 | ERROR | broadcast ping failed | <p>Cause: No replies were received from a broadcast ping.</p> <p>Action: Verify that at least one host on the subnet will respond to broadcast pings. Verify that virtual IP is on the correct network interface. Consider using a pinglist instead of a broadcast ping.</p> |
| 123096 | ERROR | \$msg | <p>Cause: The broadcast ping used to determine the viability of the virtual IP failed.</p> <p>Action: Please ensure that the ping list for this resource is properly configured in the properties panel or that broadcast ping checking is disabled by adding NOBCASTPING=1 to the /etc/default/LifeKeeper configuration file.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 123097 | ERROR | exec_list_ping(): broadcast ping failed. | <p>Cause: The broadcast ping used to determine the viability of the virtual IP failed.</p> <p>Action: Ensure that the ping list for this resource is properly configured in the properties panel or that broadcast ping checking is disabled by adding NOBCASTPING=1 to the /etc/default/LifeKeeper configuration file.</p> |

Oracle Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122501 | ERROR | DB instance "%s" is already protected on "%s". | <p>Cause: An attempt was made to protect an Oracle database instance {sid} that is already under LifeKeeper protection on {server}.</p> <p>Action: You must select a different database instance {sid} for LifeKeeper protection.</p> |
| 122502 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122503 | ERROR | Unable to locate the oratab file "%s" on "%s". | <p>Cause: The oratab file was not found at the default or alternate locations on {server}.</p> <p>Action: Verify the oratab file exists and has proper permissions for the Oracle user. A valid oratab file is required to complete the "create" operation.</p> |
| 122504 | ERROR | Unable to determine Oracle user for "%s" on "%s". | <p>Cause: The Oracle Application Recovery Kit was unable to determine the ownership of the Oracle database installation binaries.</p> <p>Action: The owner of the Oracle binaries must be a valid non-root user on {server}. Correct the permissions and ownership of the Oracle database installation and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122505 | ERROR | The Oracle database "%s" is not running or no open connections are available on "%s". | <p>Cause: The database instance {sid} was not running or connections to the database were not available via the credentials provided.</p> <p>Action: The database instance {sid} must be started on {server} and the proper credentials must be provided for the completion of the "create" operation.</p> |
| 122506 | ERROR | Unable to determine Oracle dbspaces and logfiles for "%s" on "%s". | <p>Cause: A query to determine the location of required tablespaces, logfiles and related database files failed. This may have been caused by an internal database error.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122507 | ERROR | Unknown chunk type found for "%s" on "%s". | <p>Cause: The specified tablespace, logfile or other required database file is not one of the LifeKeeper supported file or character device types.</p> <p>Action: The specified file {database_file} must reference an existing character device or file. Consult the Oracle installation documentation to recreate the specified file {database_file} as a supported file or character device type.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122508 | ERROR | DB Chunk "%s" for "%s" on "%s" does not reside on a shared file system. | <p>Cause: The specified tablespace, logfile or other required database file {database_file} does not reside on a file system that is shared with other systems in the cluster.</p> <p>Action: Use the LifeKeeper UI or "lcdstatus (1M)" to verify that communication paths have been properly created. Use "rpm" to verify that the necessary Application Recovery Kits for storage protection have been installed. Verify that the file is, in fact, not on shared storage, and if not, move it to a shared storage device.</p> |
| 122510 | ERROR | File system create failed for "%s" on "%s". Reason | <p>Cause: LifeKeeper was unable to create the resource {filesystem} on the specified server {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 122511 | ERROR | %s | <p>Cause: The message contains the output of the "filesyshier" command.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122513 | ERROR | Dependency creation between Oracle database "%s (%s)" and the dependent resource "%s" on "%s" failed. Reason | <p>Cause: LifeKeeper was unable to create a dependency between the database resource {tag} and the necessary child resource {childtag}.</p> <p>Action: Check adjacent log messages for further details and related messages. Once any problems have been corrected, it may be possible to create the dependency between {tag} and {childtag} manually.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122514 | ERROR | Unable to "%s" on "%s" during resource create. | <p>Cause: The Oracle Application Recovery Kit was unable to release the administrative lock using the "rislocks" command.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 122516 | ERROR | Raw device resource created failed for "%s" on "%s". Reason | <p>Cause: LifeKeeper was unable to create the resource {raw device} on the specified server {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 122519 | ERROR | In-service attempted failed for tag "%s" on "%s". | <p>Cause: The "perform_action" command for {tag} on {server} failed to start the database {sid}. The in-service operation has failed.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the "create" operation.</p> |
| 122521 | ERROR | Create of app "%s" on "%s" failed with return code of "%d". | <p>Cause: There was an error running the command "app_create" to create the internal application type.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122522 | ERROR | Create of typ "%s" for app "%s" on "%s" failed with return code of "%d". | <p>Cause: There was an error running the command "typ_create" to create the internal resource type.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122524 | ERROR | Setting "resstate" for resource "%s" on "%s" failed with return code of "%d". | <p>Cause: There was an error running the command "ins_setstate" to set the resource state to {state}.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122525 | ERROR | The values specified for the target and the template servers are the same: "%s". | <p>Cause: The value specified for the target and template servers for the "extend" operation were the same.</p> <p>Action: You must specify the correct parameter for the {target server} and {template server}. The {target server} is the server where the {tag} will be extended.</p> |
| 122526 | ERROR | Unable to locate the oratab file in "/etc" or in "%s" on "%s". | <p>Cause: The oratab file was not found at the default or alternate locations on {server}.</p> <p>Action: Verify the oratab file exists and has proper permissions for the Oracle user. A valid oratab file is required to complete the "extend" operation.</p> |
| 122527 | ERROR | Unable to retrieve the Oracle user on "%s". | <p>Cause: An attempt to retrieve the Oracle user from {template server} during a "canextend" or "extend" operation failed.</p> <p>Action: The owner of the Oracle binaries must be a valid user on {target server} and {template server}. Correct the permissions and ownership of the Oracle database installation and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122528 | ERROR | The Oracle user and/or group information for user "%s" does not exist on the server "%s". | <p>Cause: LifeKeeper is unable to find the Oracle user and/or group information for the Oracle user {user} on the server {server}.</p> <p>Action: Verify the Oracle user {user} exists on the specified {server}. If the user {user} does not exist, it should be created with the same uid and gid on all servers in the cluster.</p> |
| 122529 | ERROR | The id for user "%s" is not the same on template server "%s" and target server "%s". | <p>Cause: The user id on the target server {target server} for the Oracle user {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The user ids for the Oracle user {user} must match on all servers in the cluster. The user id mismatch should be corrected manually on all servers before retrying the "extend" operation.</p> |
| 122530 | ERROR | The group id for user "%s" is not the same on template server "%s" and target server "%s". | <p>Cause: The group id on the target server {target server} for the Oracle user {user} does not match the value of the user {user} on the template server {template server}.</p> <p>Action: The group ids for the Oracle user {user} must match on all servers in the cluster. The group id mismatch should be corrected manually on all servers before retrying the "extend" operation.</p> |
| 122532 | ERROR | No file system or raw devices found to extend for "%s" on "%s". | <p>Cause: There were no dependent file system or raw device resources found for the Oracle resource {tag} on server {template server}.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122533 | WARN | A RAMDISK (%s) was detected in the ORACLE Database configuration for "%s" on "%s". LifeKeeper cannot protect RAMDISK. This RAMDISK resource will not be protected by LifeKeeper! ORACLE hierarchy creation will continue. | <p>Cause: The specified tablespace, logfile or other database file {database_file} was detected as a ramdisk. No protection is available for this type of resource in the current LifeKeeper product.</p> <p>Action: The ramdisk will not be protected. You must manually ensure that the required database file {database_file} will be available during all Oracle database operations.</p> |
| 122534 | ERROR | Failed to initialize object instance for Oracle sid "%s" on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122537 | ERROR | Update of instance info field for "%s" on "%s" failed (%s). | <p>Cause: There was an error while running the command "ins_setinfo" to update the internal resource information field.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122538 | ERROR | Initial connect with query buffer to database "%s" on "%s" failed, testing output. | <p>Cause: A connection attempt to the Oracle database {sid} to determine the database status has failed.</p> <p>Action: The connection attempt failed with the specified credentials. Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122542 | ERROR | The "%s [%s]" attempt of the database "%s" appears to have failed on "%s". | <p>Cause: The attempted Oracle action {action} using method {action_method} for the database instance {sid} failed on the server {server}.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122543 | ERROR | All attempts to "%s" database "%s" on "%s" failed | <p>Cause: All efforts to perform the action {action} on the Oracle database {sid} on server {server} have failed.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122544 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to open the oratab file.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |
| 122545 | ERROR | Unable to locate the oratab file in "/etc" or in "%s" on "%s". | <p>Cause: The oratab file was not found at the default or alternate locations on {server}.</p> <p>Action: Verify the oratab file exists and has proper permissions for the oracle user. A valid oratab file is required to complete the "extend" operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122546 | ERROR | Unable to open file "%s" on "%s" (%s). | <p>Cause: The specified file {file} could not be opened or accessed on the server {server} due to the error {error}.</p> <p>Action: Verify the existence and permissions on the specified file {file}. Check adjacent log messages for further details and related errors. You must correct any reported errors before retrying the operation.</p> |
| 122547 | ERROR | (cleanUpPids):Forcefully killing hung pid(s):pid(s)="%s" | <p>Cause: The process {pid} failed to respond to the request to terminate gracefully. The process {pid} will be forcefully terminated.</p> <p>Action: Use the command line to verify that the process {pid} has been terminated. Check the adjacent log messages for further details and related messages.</p> |
| 122548 | ERROR | Unable to locate the DB utility (%s/%s) on this host. | <p>Cause: The Oracle binaries and required database utility {utility} located at {path/utility} were not found on this server {server}.</p> <p>Action: Verify that the Oracle binaries and required software utilities are installed and properly configured on the server {server}. The Oracle binaries must be installed locally on each node or located on shared storage available to all nodes in the cluster.</p> |
| 122549 | ERROR | Oracle internal error or non-standard Oracle configuration detected. Oracle User and/or Group set to "root". | <p>Cause: The detected ownership of the Oracle database installation resolves to the root user and/or root group. Ownership of the Oracle installation by root is a non-standard configuration.</p> <p>Action: The owner of the Oracle binaries must be a valid non-root user on {server}. Correct the permissions and ownership of the Oracle database installation and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122550 | ERROR | Initial inspection of "%s" failed, verifying failure or success of received output. | <p>Cause: The previous Oracle query {query} or command {cmd} failed to return success.</p> <p>Action: Check the adjacent log messages for further details and related errors. Check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct the reported problem(s).</p> |
| 122551 | ERROR | Logon failed with "%s" for "%s" on "%s". Please check username/password and privileges. | <p>Cause: The logon with the credentials {credentials} for the database instance {sid} on server {server} failed. An invalid user {user} or password was specified.</p> <p>Action: Verify that the Oracle database user {user} and password {password} are indeed valid. In addition, the Oracle database user {user} must have sufficient privileges for the attempted action.</p> |
| 122552 | ERROR | %s | <p>Cause: The message contains the output of the "sqlplus" command.</p> <p>Action: Check adjacent log messages for further details and related messages.</p> |
| 122553 | ERROR | Unable to open file "%s" on "%s" (%s). | <p>Cause: The specified file {file} could not be opened or accessed on the server {server} due to the error {error}.</p> <p>Action: Verify the existence and permissions on the specified file {file}. Check adjacent log messages for further details and related errors. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122554 | ERROR | The tag "%s" on "%s" is not an Oracle instance or it does not exist. | <p>Cause: The specified tag {tag} on server {server} does not refer to an existing and valid Oracle resource instance.</p> <p>Action: Use the UI or "lcdstatus (1M)" to verify the existence of the resource tag {tag}. The resource tag {tag} must be an Oracle resource instance to use the command "ora-display."</p> |
| 122555 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to update the authorized user, password and database role for the Oracle resource instance.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122557 | ERROR | Update of user and password failed for "%s" on "%s". | <p>Cause: A request to update the user and password for the resource tag {tag} failed. The specified credentials failed the initial validation/connection attempt on server {server}.</p> <p>Action: Verify the correct credentials {user/password} were specified for the attempted operation. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122559 | ERROR | Update of user and password failed for "%s" on "%s". | <p>Cause: The update of the user and password information for the resource tag {tag} on server {server} failed.</p> <p>Action: Verify the correct credentials {user/password} were specified for the attempted operation. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122562 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The required Oracle executable {exe} was not found on this server {server}.</p> <p>Action: Verify that the Oracle binaries and required software utilities are installed and properly configured on the server {server}. The Oracle binaries must be installed locally on each node or located on shared storage available to all nodes in the cluster.</p> |
| 122566 | ERROR | Unable to find Oracle home for "%s" on "%s". | <p>Cause: The Oracle home directory {Oracle home} does not appear to contain files necessary for the proper operation of the Oracle instance {sid}.</p> <p>Action: Verify using the command line that the Oracle home directory {Oracle home} contains the Oracle binaries, a valid spfile{sid}.ora or init{sid}.ora file.</p> |
| 122567 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected. The specified internal ID {id} does not match the expected SID {sid}.</p> <p>Action: Verify the parameters are correct. Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |
| 122568 | ERROR | DB Processes are not running on "%s". | <p>Cause: A process check for the Oracle instance did not find any processes running on server {server}.</p> <p>Action: If local recovery is enabled, the Oracle instance will be restarted locally. Check adjacent log messages for further details and related messages.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122572 | ERROR | Failed to create flag "%s" on "%s". | <p>Cause: An unexpected error occurred attempting to create a flag for controlling Oracle local recovery processing causing a failover to the standby node.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122574 | ERROR | all attempts to shutdown the database %s failed on "%s". | <p>Cause: The shutdown of the Oracle database failed during a local recovery process most likely caused because the maximum number of database connections has been reached.</p> <p>Action: Check the Oracle logs for connection failures caused by the maximum number of available connections being reached, and if found, consider increasing the value. Additionally, set the tunable LK_ORA_NICE to 1 to prevent connection failures from causing a quickCheck failure followed by a local recovery attempt.</p> |
| 122597 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected during pre-extend checking.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the pre-extend.</p> |
| 122598 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being created while attempting to determine the validity of the Oracle home directory.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the "create."</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122599 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to look up the Oracle user on the template system.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the extend.</p> |
| 122600 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to display the resource properties.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the display of the resource properties.</p> |
| 122601 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to check for valid database authorization.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the command.</p> |
| 122603 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to perform health checks on the Oracle resource instance.</p> <p>Action: Check that correct arguments were passed to the quickCheck command and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the restore.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122604 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: There was an unexpected error creating an internal representation of the Oracle instance being protected while attempting to perform a local recovery on the Oracle resource instance.</p> <p>Action: Check that correct arguments were passed to the "recover" command, and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the recover.</p> |
| 122606 | ERROR | The Oracle database "%s" is not running or no open connections are available on "%s". | <p>Cause: The database instance {sid} was not running or connections to the database are not available via the credentials provided.</p> <p>Action: The database instance {sid} must be started on {server} and the proper credentials must be provided for the completion of the selected operation.</p> |
| 122607 | ERROR | The Oracle database "%s" is not running or no open connections are available on "%s". | <p>Cause: The database instance {sid} was not running or connections to the database are not available via the credentials provided.</p> <p>Action: The database instance {sid} must be started on {server} and the proper credentials must be provided for the completion of the selected operation.</p> |
| 122608 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: The "remove" operation failed to create the resource object instance required to take the Oracle resource Out of Service.</p> <p>Action: Check that correct arguments were passed to the "remove" command and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the restore.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122609 | ERROR | Failed to create object instance for Oracle on "%s". | <p>Cause: The "restore" operation failed to create the resource object instance required to put the Oracle resource In Service.</p> <p>Action: Check that correct arguments were passed to the "restore" command and also check the adjacent log messages for further details and related messages. Correct any reported errors before retrying the "restore."</p> |
| 122610 | ERROR | Unable to "%s" on "%s" during resource create. | <p>Cause: The Oracle Application Recovery Kit was unable to create the administrative lock using the "getlocks" command during resource creation.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create.</p> |
| 122611 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child File System resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |
| 122612 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child Raw resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122613 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child Raw resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |
| 122614 | ERROR | %s | <p>Cause: The requested dependency creation between the parent Oracle resource and the child Listener resource failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the create operation.</p> |
| 122616 | ERROR | %s | <p>Cause: The requested start up or shutdown of the Oracle database failed.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors before retrying the "restore" or "remove" operation.</p> |
| 122618 | ERROR | Dependency creation between Oracle database "%s (%s)" and the dependent resource "%s" on "%s" failed. Reason | <p>Cause: LifeKeeper was unable to create a dependency between the database resource {tag} and the necessary child resource {childtag}.</p> <p>Action: Check adjacent log messages for further details and related messages. Once any problems have been corrected, it may be possible to create the dependency between {tag} and {childtag} manually.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122619 | ERROR | Dependency creation between Oracle database "%s (%s)" and the dependent resource "%s" on "%s" failed. Reason | <p>Cause: LifeKeeper was unable to create a dependency between the database resource {tag} and the necessary child resource {childtag}.</p> <p>Action: Check adjacent log messages for further details and related messages. Once any problems have been corrected, it may be possible to create the dependency between {tag} and {childtag} manually.</p> |
| 122625 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The quickCheck process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |
| 122626 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The remove process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |
| 122627 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The restore process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |
| 122628 | ERROR | Unable to find the Oracle executable "%s" on "%s". | <p>Cause: The recover process was unable to find the Oracle executable "sqlplus."</p> <p>Action: Check the Oracle configuration and also check adjacent log messages for further details and related messages. Correct any reported problems.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122632 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: During a remove, the resource instance {sid} passed to the remove process does not match internal resource instance information for the {sid}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122633 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: During a restore, the resource instance {sid} passed to restore does not match internal resource instance information for the {sid}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122634 | ERROR | Oracle SID mismatch. The instance SID "%s" does not match the SID "%s" specified for the command. | <p>Cause: During resource recovery, the resource instance {sid} passed to recovery does not match internal resource instance information for the {sid}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122636 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | <p>Cause: The create of the Oracle resource hierarchy {tag} failed on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122638 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The create action for the Oracle database resource {tag} on server {server} failed. The signal {sig} was received by the create process.</p> <p>Action: Check adjacent log messages for further details and related messages. You must correct any reported errors before retrying the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122640 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122641 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122642 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122643 | ERROR | Cannot extend resource "%s" to server "%s" | <p>Cause: LifeKeeper was unable to extend the resource {resource} on {server}.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122644 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to retrieve resource instance information for {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors and retry the extend.</p> |
| 122645 | ERROR | Cannot access canextend script "%s" on server "%s" | <p>Cause: LifeKeeper was unable to run pre-extend checks because it was unable to find the "canextend" script on {server} for a dependent child resource.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122646 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to retrieve resource instance information for {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors and retry the extend.</p> |
| 122647 | ERROR | Cannot extend resource "%s" to server "%s" | <p>Cause: LifeKeeper was unable to extend the resource {resource} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122648 | ERROR | Resource with either matching tag "%s" or id "%s" already exists on server "%s" for App "%s" and Type "%s" | <p>Cause: During the database resource extension, a resource instance was found using the same {tag} and/or {id} but with a different resource application and type.</p> <p>Action: Resource IDs must be unique. The resource instance with the ID matching the Oracle resource instance must be removed.</p> |
| 122649 | ERROR | Error creating resource "%s" on server "%s" | <p>Cause: An unexpected error occurred attempting to create the Oracle resource instance {tag} on {server}.</p> <p>Action: Check adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122650 | ERROR | Cannot access extend script "%s" on server "%s" | <p>Cause: The request to extend the database resource {resource} to {server} failed because it was unable to find the script {extend} on {server} for a dependent child resource.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122651 | ERROR | Cannot extend resource "%s" to server "%s" | <p>Cause: The request to extend the database resource {resource} to {server} failed because of an error attempting to extend a dependent child resource.</p> <p>Action: Check the adjacent log messages for further details and related messages. Correct any reported errors.</p> |
| 122654 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The health check for the database {sid} was terminated because the quickCheck process received a signal. This is most likely caused by the quickCheck process requiring more time to complete than was allotted.</p> <p>Action: The health check time for an Oracle resource is controlled by the tunable value ORACLE_QUICKCHECK_TIMEOUT. Set it to a value greater than 45 seconds to allow more time for the health check process to complete.</p> |
| 122655 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The request to take database {sid} "Out of Service" was terminated because the remove process received a signal. This is most likely caused by the remove process requiring more time to complete than was allotted.</p> <p>Action: The remove time for an Oracle resource is controlled by the tunable value ORACLE_REMOVE_TIMEOUT. Set the tunable to a value greater than 240 seconds to allow more time for the remove process to complete.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122659 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The request to place database {sid} "In Service" was terminated because the restore process received a signal. This is most likely caused by the restore process requiring more time to complete than was allotted.</p> <p>Action: The restore time for an Oracle resource is controlled by the tunable value ORACLE_RESTORE_TIMEOUT. Set the tunable to a value greater than 240 seconds to allow more time for the restore process to complete.</p> |
| 122663 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: The recovery of the failed database was terminated because the recovery process received a signal. This is most likely caused by the recovery process requiring more time to complete than was allotted.</p> <p>Action: The recovery time for an Oracle resource is controlled by the tunable values ORACLE_RESTORE_TIMEOUT and ORACLE_REMOVE_TIMEOUT. Set one or both of these to a value greater than 240 seconds to allow more time for a recovery to complete.</p> |
| 122670 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to open the temporary file used in the update process.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122671 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to close the temporary file used in the update process.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |
| 122672 | ERROR | Update of "%s" sid "%s" on "%s" failed. Reason: "%s" "%s" failed: "%s". | <p>Cause: An unexpected error occurred while attempting to update the oratab entry for the database {sid}. The error occurred while attempting to rename the temporary file back to oratab.</p> <p>Action: The oratab file entry for {sid} will need to be updated manually to turn off the automatic start up of the database at system boot.</p> |
| 122673 | ERROR | Unable to log messages queued while running as oracle user %s on %s. Reason: \$! | <p>Cause: An unexpected error {reason} occurred while attempting to add messages to the log file. These messages were generated while running as the Oracle user.</p> <p>Action: Review the reason for the failure and take corrective action.</p> |
| 122674 | ERROR | Unable to open %s Reason: %s. | <p>Cause: An unexpected error occurred while attempting to open a connection to the Oracle database and run the database {cmd}.</p> <p>Action: Check adjacent log messages for further details and related messages. Additionally, check the Oracle log (alert.log) and related trace logs (*.trc) for additional information and correct any reported problems.</p> |

Oracle Listener Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122005 | ERROR | Unable to "%s" on "%s" | Cause: There was an unexpected error running "getlocks". Action: Check the logs for related errors and try to resolve the reported problem. |
| 122007 | ERROR | Unable to "%s" on "%s" | Cause: There was an unexpected error running "rlslocks". Action: Check the logs for related errors and try to resolve the reported problem. |
| 122009 | ERROR | The path %s is not a valid file. | Cause: There is no listener.ora file. Action: Ensure the file exists and retry the operation. |
| 122010 | ERROR | The listener user does not exist on the server %s. | Cause: "Stat" command could not get user id. Action: Retry the operation. |
| 122011 | ERROR | The listener user does not exist on the server %s. | Cause: UID is not in passwd file. Action: Ensure the UID exists in passwd file and retry the operation. |
| 122012 | ERROR | The listener user does not exist on the server %s. | Cause: User name is not in passwd file. Action: Ensure the user name exists in passwd file; retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122023 | ERROR | The %s command failed (%d | <p>Cause: This message contains the return code of the "lsnrctl" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122024 | ERROR | \$line | <p>Cause: The message contains the output of the "lsnrctl" command.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122039 | ERROR | Usage error | <p>Cause: Invalid parameters were specified for the restore operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122040 | ERROR | Script \$cmd has hung on the restore of \"\$opt_t\". Forcibly terminating. | <p>Cause: The listener restore script reached its timeout value.</p> <p>Action: Ensure listener.ora is valid and that LSNR_START_TIME (default 35 seconds) in /etc/default/LifeKeeper is set to a value greater than or equal to the time needed to start the listener.</p> |
| 122041 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: LifeKeeper was unable to restore the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122045 | ERROR | Error getting resource information for resource "%s" on server "%s" | <p>Cause: Failed to get resource information.</p> <p>Action: Check your LifeKeeper configuration.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122046 | ERROR | Usage error | <p>Cause: Invalid parameters were specified for the restore operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122049 | ERROR | The script \$cmd has hung on remove of \"\$opt_t\". Forcibly terminating. | <p>Cause: The listener remove script reached its timeout value.</p> <p>Action: Ensure listener.ora is valid and that LSNR_STOP_TIME (default 35 seconds) in /etc/default/LifeKeeper is set to a value greater than or equal to the time needed to stop the listener.</p> |
| 122051 | ERROR | Error getting resource information for resource \"%s\" on server \"%s\" | <p>Cause: LifeKeeper was unable to find the resource {tag} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122055 | ERROR | END failed %s of \"%s\" on server \"%s\" due to a \"%s\" signal | <p>Cause: LifeKeeper was unable to quickCheck the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122057 | ERROR | Error getting resource information for resource \"%s\" on server \"%s\" | <p>Cause: LifeKeeper was unable to find the resource {tag} on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122064 | WARN | The %s level is set to %s a %s will not occur. | <p>Cause: The minimal Listener protection level is Start and Monitor.</p> <p>Action: Start the listener manually.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122066 | ERROR | Script has hung checking \"\$tag\". Forcibly terminating. | <p>Cause: The listener quickCheck script reached its timeout value.</p> <p>Action: Ensure listener.ora is valid and that LSNR_STATUS_TIME (default 15 seconds) in /etc/default/LifeKeeper is set to a value greater than or equal to the time needed to check the listener.</p> |
| 122067 | ERROR | Usage error | <p>Cause: Invalid parameters were specified for the quickCheck operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122069 | ERROR | Usage error | <p>Cause: Invalid parameters were specified for the delete operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122072 | ERROR | %s: resource "%s" not found on local server | <p>Cause: Invalid parameters were specified for the recover operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122074 | WARN | The local recovery attempt has failed but %s level is set to %s preventing a failover to another node in the cluster. With %s recovery set all local recovery failures will exit successfully to prevent resource failovers. | <p>Cause: The optional listener recovery level is set to local recovery only.</p> <p>Action: Switch over the resource tree manually.</p> |
| 122078 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: LifeKeeper was unable to recover the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122082 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122083 | ERROR | \$cmd has hung checking \"\$tag\". Forcibly terminating | Cause: The recover script was stopped by signal. Action: Ensure listener.ora is valid. |
| 122084 | ERROR | Cannot extend resource "%s" to server "%s" | Cause: LifeKeeper was unable to extend the resource {resource} on {server}. Action: Verify the parameters and retry the operation. |
| 122085 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the canextend operation. Action: Verify the parameters and retry the operation. |
| 122086 | ERROR | The values specified for the target and the template servers are the same. Please specify the correct values for the target and template servers. | Cause: The values specified for the target and the template servers are the same. Action: Perform the steps listed in the message text. |
| 122087 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122088 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: Failed to get listener user name from resource information. Action: Ensure the resource info field is valid then retry the operation. |
| 122089 | ERROR | The listener user %s does not exist on the server %s. | Cause: User name is not in passwd file. Action: Ensure the user name exists in passwd file and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122090 | ERROR | The id for user %s is not the same on template server %s and target server %s. | Cause: User ID should be same on both servers. Action: Trim user ID to the same. |
| 122091 | ERROR | The group id for user %s is not the same on template server %s and target server %s. | Cause: Group ID should be same on both servers. Action: Trim group ID to the same. |
| 122092 | ERROR | Cannot access canextend script "%s" on server "%s" | Cause: LifeKeeper was unable to run pre-extend checks because it was unable to find the "canextend" script on {server}. Action: Check your LifeKeeper configuration. |
| 122097 | ERROR | Usage: %s %s | Cause: Invalid arguments were specified for the "configActions" operation. Action: Verify the arguments and retry the operation. |
| 122098 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122099 | ERROR | Unable to update the resource %s to change the %s to %s on %s. | Cause: LifeKeeper failed to put information into the info field. Action: Restart LifeKeeper and retry the operation. |
| 122100 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122101 | ERROR | Unable to update the resource %s to change the %s to %s on %s. | Cause: LifeKeeper failed to put information to info field on {server}. Action: Restart LifeKeeper on {server} and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122103 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the create operation. Action: Verify the parameters and retry the operation. |
| 122124 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | Cause: LifeKeeper was unable to create the resource {resource} on {server}. Action: Check the logs for related errors and try to resolve the reported problem. |
| 122126 | ERROR | Unable to "%s" on "%s | Cause: There was an unexpected error running "rlslocks". Action: Check the logs for related errors and try to resolve the reported problem. |
| 122127 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | Cause: LifeKeeper was unable to create the resource {resource} on {server}. Action: Check the logs for related errors and try to resolve the reported problem. |
| 122129 | ERROR | Unable to "%s" on "%s | Cause: There was an unexpected error running "getlocks." Action: Check the logs for related errors and try to resolve the reported problem. |
| 122131 | ERROR | Error creating resource "%s" on server "%s" | Cause: LifeKeeper was unable to create the resource {resource} on {server}. Action: Check your LifeKeeper configuration. |
| 122133 | ERROR | Unable to create a file system resource hierarchy for the file system %s. | Cause: There was an unexpected error running "filesyshier." Action: Check adjacent log messages for further details. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122135 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122140 | ERROR | Resource "%s" is not ISP on server "%s" Manually bring the resource in service and retry the operation | <p>Cause: IP resource {tag} which the listener resource depends on should be ISP.</p> <p>Action: Perform the steps listed in the message text.</p> |
| 122141 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122144 | ERROR | Usage: %s %s | <p>Cause: Invalid parameters were specified for the "create_ins" operation.</p> <p>Action: Verify the parameters and retry the operation.</p> |
| 122145 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | <p>Cause: There was an unexpected error running "app_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122146 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | <p>Cause: There was an unexpected error running "typ_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122147 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | <p>Cause: There was an unexpected error running "newtag."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 122148 | ERROR | Error creating resource "%s" on server "%s" | Cause: LifeKeeper was unable to create the resource {resource} on {server}. Action: Check your LifeKeeper configuration. |
| 122149 | ERROR | An error has occurred in utility %s on server %s. View the LifeKeeper logs for details and retry the operation. | Cause: There was an unexpected error running "ins_setstate." Action: Check the logs for related errors and try to resolve the reported problem. |
| 122150 | ERROR | Error creating resource "%s" on server "%s" | Cause: LifeKeeper was unable to create the resource {resource} on {server}. Action: Check your LifeKeeper configuration. |
| 122151 | ERROR | Usage: %s %s | Cause: Invalid arguments were specified for the "depstoextend" operation. Action: Verify the arguments and retry the operation. |
| 122152 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the "extend" operation. Action: Verify the parameters and retry the operation. |
| 122153 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122154 | ERROR | Cannot extend resource "%s" to server "%s" | Cause: LifeKeeper was unable to extend the resource {resource} on {server}. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122155 | ERROR | Resource with either matching tag "%s" or id "%s" already exists on server "%s" for App "%s" and Type "%s" | <p>Cause: During the Listener resource extension, a resource instance was found using the same {tag} and/or {id} but with a different resource application and type.</p> <p>Action: Resource IDs must be unique. The resource instance with the ID matching the Oracle Listener resource instance must be removed.</p> |
| 122156 | ERROR | Cannot access extend script "%s" on server "%s" | <p>Cause: LifeKeeper was unable to extend the resource hierarchy because it was unable to find the script EXTEND on {server}.</p> <p>Action: Check your LifeKeeper configuration.</p> |
| 122157 | ERROR | Usage: %s %s | <p>Cause: Invalid arguments were specified for the "getConfigIps" operation.</p> <p>Action: Verify the arguments and retry the operation.</p> |
| 122158 | ERROR | The file %s is not a valid listener file. The file does not contain any listener definitions. | <p>Cause: Failed to find any listener definitions.</p> <p>Action: Ensure listener definition is in the listener.ora and retry the operation.</p> |
| 122159 | ERROR | Usage: %s %s | <p>Cause: Invalid arguments were specified for the "getSidListeners" operation.</p> <p>Action: Verify the arguments and retry the operation.</p> |
| 122160 | ERROR | The file %s is not a valid listener file. The file does not contain any listener definitions. | <p>Cause: Failed to find any listener definitions.</p> <p>Action: Ensure listener definition is in the listener.ora and retry the operation.</p> |
| 122161 | ERROR | Usage: %s %s | <p>Cause: Invalid arguments were specified for the "Isn-display" operation.</p> <p>Action: Verify the arguments and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122162 | ERROR | Error getting resource information for resource "%s" on server "%s" | Cause: LifeKeeper was unable to find the resource {tag} on {server}. Action: Check your LifeKeeper configuration. |
| 122163 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the updateHelper operation. Action: Verify the parameters and retry the operation. |
| 122164 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | Cause: LifeKeeper was unable to update the resource {resource} on {server}. Action: Check the logs for related errors and try to resolve the reported problem. |
| 122166 | ERROR | Usage: %s %s | Cause: Invalid parameters were specified for the "updateHelper" operation. Action: Verify the parameters and retry the operation. |
| 122170 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | Cause: There was an unexpected error running "dep_create." Action: Check the logs for related errors and try to resolve the reported problem. |
| 122171 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | Cause: There was an unexpected error running "dep_create." Action: Check the logs for related errors and try to resolve the reported problem. |
| 122172 | ERROR | Usage: %s %s | Cause: Invalid arguments were specified for the "updIPDeps" operation. Action: Verify the arguments and retry the operation. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|---|
| 122173 | ERROR | END failed hierarchy "%s" of resource "%s" on server "%s" with return value of %d | <p>Cause: LifeKeeper was unable to update the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122175 | ERROR | Unable to "%s" on "%s | <p>Cause: There was an unexpected error running "rlslocks."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122177 | ERROR | Unable to "%s" on "%s | <p>Cause: There was an unexpected error running "getlocks."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122180 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122181 | ERROR | Unable to create a dependency between parent tag %s and child tag %s. | <p>Cause: There was an unexpected error running "dep_create."</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122183 | ERROR | The path %s is not a valid file. | <p>Cause: There is no listener.ora file.</p> <p>Action: Ensure the file exists and retry the operation.</p> |
| 122185 | ERROR | The file %s is not a valid listener file. The file does not contain any listener definitions. | <p>Cause: LifeKeeper failed to find any valid listener definitions.</p> <p>Action: Ensure there are valid listener definitions in the listener.ora and retry the operation.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|--|
| 122186 | ERROR | The value specified for %s cannot be empty. Please specify a value for this field. | Cause: The config and/or executable {path} field is empty. Action: Input a non-empty value for {path} and retry the operation. |
| 122187 | ERROR | The path %s is not a valid file or directory. | Cause: The defined {path} is invalid. Action: Ensure the {path} exists and retry the operation. |
| 122188 | ERROR | The path %s is not a valid file or directory. | Cause: There is no {path}. Action: Ensure the {path} exists and retry the operation. |
| 122189 | ERROR | The value specified for %s cannot be empty. Please specify a value for this field. | Cause: The config and/or executable Path field is empty. Action: Input path for the field. |
| 122190 | ERROR | Usage: %s %s | Cause: Invalid arguments were specified for the "valid_rpath" operation. Action: Verify the arguments and retry the operation. |
| 122191 | ERROR | The values specified for the target and the template servers are the same. | Cause: Invalid argument of valid_rpath. Action: Ensure arguments and retry the operation. |
| 122192 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | Cause: There is no oratab file in /etc/oratab or {path}. Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path. |
| 122193 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | Cause: There is no oratab file in /etc/oratab or {path}. Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path. |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 122194 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |
| 122195 | ERROR | Unable to find the configuration file "oratab" in its default locations, /etc/oratab or %s on "%s" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |
| 122196 | ERROR | END failed %s of "%s" on server "%s" due to a "%s" signal | <p>Cause: LifeKeeper was unable to remove the resource {resource} on {server}.</p> <p>Action: Check the logs for related errors and try to resolve the reported problem.</p> |
| 122197 | ERROR | Unable to find the configuration file \"oratab\" in its default locations, /etc/oratab or \$listener::oraTab on \"\$me\" | <p>Cause: There is no oratab file in /etc/oratab or {path}.</p> <p>Action: Ensure oratab file exists in {path} or ORACLE_ORATABLOC in /etc/default/Lifekeeper is set to a valid path.</p> |

QSP Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 134003 | ERROR | LK_ERROR:\$tag:catch a \"\$sig\" signal | <p>Cause: The "create" process was interrupted by a signal.</p> <p>Action: Check adjacent log messages.</p> |
| 134004 | ERROR | LK_ERROR:\$tag:Unable to getlocks on \$server during resource create. Error (\$rc) | <p>Cause: Failed to get the administrative lock when creating a resource hierarchy.</p> <p>Action: Check the logs for related errors and resolve the reported problem.</p> |
| 134005 | ERROR | LK_ERROR:\$tag:The service \"\$serviceName\" is not supported on \$server. Error (\$rc) | <p>Cause: The service does not exist or cannot be protected.</p> <p>Action: Input the appropriate service name.</p> |
| 134006 | ERROR | LK_ERROR:\$tag:The service \"\$serviceName\" is already protected on \$server. | <p>Cause: This service is already protected.</p> <p>Action: Can not create a resource to protect this service.</p> |
| 134007 | ERROR | LK_ERROR:\$tag:Error creating resource \$tag. Error (\$rc) | <p>Cause: LifeKeeper was unable to create the resource instance.</p> <p>Action: Check adjacent log messages and correct. the cause of the error.</p> |
| 134011 | ERROR | LK_ERROR:\$tag:In-service attempted failed for tag \$tag. | <p>Cause: Failed to restart the QSP resource.</p> <p>Action: Check the log related to the service to protect and. Resolve the problem.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 134015 | ERROR | LK_ERROR:\$tag:Unable to rlocks on \$server during resource create. Error (\$rc) | <p>Cause: Failed to release the lock after QSP resource created.</p> <p>Action: Check the logs for related errors and resolve the reported problem.</p> |
| 134103 | ERROR | LK_ERROR:\$tag:Template resource \"\$template_tag\" on server \"\$template_sys\" does not exist | <p>Cause: The resource cannot be found on the template server.B</p> <p>Action: Ensure the hierarchy is correct on the template server before extending.</p> |
| 134104 | ERROR | LK_ERROR:\$tag:Template resource \"\$template_tag\" on server \"\$template_sys\" is not QSP resource (app=\$ins [1], res=\$ins[2]) | <p>Cause: The template resource is not QSP resource.</p> <p>Action: Extend the resource as to the same type one as the template.</p> |
| 134105 | ERROR | LK_ERROR:\$tag:The service \"\$service\" is not supported on \$me. Error (\$check) | <p>Cause: The service does not exist on target server.</p> <p>Action: Install the service on target server before extending.</p> |
| 134106 | ERROR | LK_ERROR:\$tag:The service \"\$service\" is already protected on \$me. | <p>Cause: There is already a resource of the same ID on target server.</p> <p>Action: Cannot create the duplicated resource of the same service.</p> |
| 134203 | ERROR | LK_ERROR:\$tag:catch a \"\$sig\" signal | <p>Cause: The process to extend resource was interrupted by a signal.</p> <p>Action: Check adjacent log messages.</p> |
| 134204 | ERROR | LK_ERROR:\$tag:Template resource \"\$template_tag\" on server \"\$template_sys\" does not exist | <p>Cause: The resource cannot be found by the template system.</p> <p>Action: Ensure the hierarchy is correct on the template system server before extending.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 134208 | ERROR | LK_ERROR:\$tag:Error creating resource \" \$tag\" on server \" \$me\" | <p>Cause: The resource cannot be found by the template system.</p> <p>Action: Ensure the hierarchy is correct on the template system before extending.</p> |
| 134401 | ERROR | An error occurred during creation of LifeKeeper application=comm on %s. | <p>Cause: The start process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service and retry the "restore" operation. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 134405 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | <p>Cause: Failed to fork. This is a system error.</p> <p>Action: Determine why fork fails.</p> |
| 134407 | ERROR | LK_ERROR:\$tag:service command has failed for \" \$tag\" | <p>Cause: Failed to execute service command.</p> <p>Action: Manual execution of "service" command by "start" option causes an error. Correct the cause of the error referring to the error message.</p> |
| 134501 | FATAL | LK_ERROR:\$tag:timeout \$cmd for \" \$tag\". Forcibly terminating.! | <p>Cause: The "remove" process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service and retry the "remove" operation. Also check the logs of related errors and resolve the reported problem.</p> |
| 134505 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | <p>Cause: Failed to fork. This is a system error.</p> <p>Action: Determine why fork fails.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 134507 | FATAL | LK_ERROR:\$tag:service command has failed for \"\$tag\" | <p>Cause: Failed to execute service command.</p> <p>Action: Manual execution of service command by stop option causes an error. Correct the cause of the error by referring to error message.</p> |
| 134601 | ERROR | LK_ERROR:\$tag:timeout \$cmd for \"\$tag\". Forcibly terminating. | <p>Cause: The "remove" process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service. Also check the logs for related errors and try to resolve the reported problem.</p> |
| 134605 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | <p>Cause: Failed to fork. This is a system error.</p> <p>Action: Determine why fork fails.</p> |
| 134607 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | <p>Cause: Failed to execute service command.</p> <p>Action: Manual execution of service command by "status" option causes an error. Correct the cause of the error by referring to error message.</p> |
| 134501 | ERROR | LK_ERROR:\$tag:service command has failed for \"\$tag\" | <p>Cause: The "remove" process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service and retry the "remove" operation. Also check the logs of related errors and resolve the reported problem.</p> |
| 134701 | ERROR | LK_ERROR:\$tag:timeout \$cmd for \"\$tag\". Forcibly terminating. | <p>Cause: The "recover" process of the service does not terminate within the specified time.</p> <p>Action: Check the protected service. Also check the logs for related errors and resolve the reported problem.</p> |
| 134706 | FATAL | LK_FATAL:\$tag:Failed to fork process to execute service command: \$! | <p>Cause: Failed to fork. This is a system error.</p> <p>Action: Determine why fork fails.</p> |

| Code | Severity | Message | Cause/Action |
|--------|----------|--|---|
| 134708 | ERROR | LK_ERROR:\$tag:service command has failed for \"\$tag\" | Cause: Failed to execute service command. Action: Manual execution of service command by "start" option causes an error. Correct the cause of the error by referring to error message. |
| 134803 | ERROR | LK_ERROR:\$tag:tag \"\$tag\" does not exist on server \"\$me\" | Cause: The specified tag does not exist. This is an internal error. |
| 134804 | ERROR | LK_ERROR:\$tag:app type \"\$ins[1]\" is not \$app | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134805 | ERROR | LK_ERROR:\$tag:res type \"\$ins[2]\" is not \$res | Cause: The specified tag is not QSP resource. This is an internal error |
| 134823 | ERROR | LK_ERROR:\$tag:tag \"\$tag\" does not exist on server \"\$me\" | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134824 | ERROR | LK_ERROR:\$tag:app type \"\$ins[1]\" is not \$app | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134825 | ERROR | LK_ERROR:\$tag:res type \"\$ins[2]\" is not \$res | Cause: The specified tag is not QSP resource. This is an internal error |
| 134843 | ERROR | LK_ERROR:\$tag:tag \"\$tag\" does not exist | Cause: The specified tag does not exist. This is an internal error. |
| 134844 | ERROR | LK_ERROR:\$tag:app type \"\$ins[1]\" is not \$app | Cause: The specified tag is not QSP resource. This is an internal error. |
| 134845 | ERROR | LK_ERROR:\$tag:res type \"\$ins[2]\" is not \$res | Cause: The specified tag is not QSP resource. This is an internal error. |

SCSI Kit Message Catalog

Use **Control F** to search for a specific error code in each catalog.

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 125102 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125103 | ERROR | `printf '%s is not shareable with any machine.' \$DEV` | Cause: The device does not appear to be shared with any other systems. Action: Verify that the device is accessible from all servers in the cluster. Ensure that all relevant storage drivers and software are installed and configured properly. |
| 125104 | ERROR | `printf 'Failed to create disk hierarchy for "%s" on "%s"' \$PRIMACH \$DEV` | Cause: The creation of a resource to protect a physical disk failed. Action: Check adjacent log messages for more details and try to resolve the reported problem. |
| 125107 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125114 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125120 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125123 | ERROR | `printf 'Cannot access depstoextend script "%s" on server "%s"' \$depstoextend \$TargetSysName` | Cause: LifeKeeper was unable to run pre-extend checks on the resource hierarchy because it was unable to find the script "DEPSTOEXTEND" on {server}. Action: Check your LifeKeeper configuration. |

| Code | Severity | Message | Cause/Action |
|--------|----------|---|--|
| 125126 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$ChildTag \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125129 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTagName \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |
| 125155 | ERROR | SCSI \$DEV failed to lock. | Cause: There was a problem locking a SCSI device. Action: Check adjacent log messages for more details and try to resolve the reported problem. |
| 125164 | ERROR | SCSI \$INFO failed to unlock. | Cause: There was a problem unlocking a SCSI device. Action: Check adjacent log messages for more details and try to resolve the reported problem. |
| 125181 | ERROR | `printf 'Template resource "%s" on server "%s" does not exist' \$TemplateTag \$TemplateSysName` | Cause: LifeKeeper was unable to find the resource {tag} on {server}. |