SteelEye DataKeeper Cluster Edition

v8.1.0

Release Notes

May 2014

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Table of Contents

SteelEye DataKeeper Cluster Edition **1**

Introduction **1**

New Features of SteelEye DataKeeper Cluster Edition v8 ..... **1**

Bug Fixes **2**

Product Definitions and Platforms **3**

Product Requirements 3

Local Security Policy Requirement **4**

Known Issues **4**

SCVMM 2012 4

Windows Server 2012 4

DataKeeper Cluster Edition Quick Start Guide **4**

SteelEye DataKeeper Cluster Edition

Release Notes

Version 8.1

(Version 8 Update1)

Important!!

Read This Document Before Attempting To Install Or Use This Product!
This document contains last minute information that must be considered before, during and after installation.

Introduction

SteelEye DataKeeper Cluster Edition is a highly optimized host-based replication solution which integrates seamlessly with Windows Server 2012, Windows Server 2012 R2, and Windows Server 2008 R2/2008 R2 SP1 Failover Clustering. Features of Windows Server Failover Clustering such as cross-subnet failover and tunable heartbeat parameters make it easy for administrators to deploy geographically dispersed clusters. SteelEye DataKeeper provides the data replication mechanism which extends both versions of Windows Clustering, allowing administrators to take advantage of these advanced features to support non-shared disk high availability configurations.

Once SteelEye DataKeeper Cluster Edition is installed, a new storage class resource type called DataKeeper Volume is available. This new SteelEye DataKeeper Volume resource can be used in place of the traditional Physical Disk shared storage resource to enable geographically dispersed clusters, also known as multi-site clusters.

New Features of SteelEye DataKeeper Cluster Edition v8

Feature	Description
New in This Release	
General Maintenance	See Bug Fixes below.
New in Version 8.0.1	
General Maintenance	Bug Fixes.
New in Version 8.0	

Feature	Description
Replicate to Node Outside of Cluster	DataKeeper now allows you to have a replication target which resides outside of the fail-over cluster.
Operating System Support	DataKeeper now only supports Windows 2008R2 and later 64-bit Operating Systems. To run on an earlier version of Windows or on 32-bit systems, you must use DataKeeper v7.
Windows 2012 R2 Support	DataKeeper now supports Windows 2012 R2.
General Maintenance	Bug Fixes.

Bug Fixes

The following is a list of the latest bug fixes and enhancements.

Bug	Description
3463	Unable to create a mirror with more than 6 extents
3906	Allow creating a DR mirror outside the cluster to a different drive letter

Product Definitions and Platforms

Product Requirements

Product	Operating Systems	Additional Software
Server Components	See the DKCE Support Matrix	Hotfix – KB 951308 http://support.microsoft.com/kb/951308 If protecting Hyper-V resources, Hotfix KB 958065 http://support.microsoft.com/?id=958065 **Note**: These hotfixes are not required for Windows Server 2008 R2/2008 R2 SP1. Microsoft Hotfix KB 2741477 is now available that will allow NICs to be added to a Virtual Machine after the VM has been placed into a Failover Cluster. (For more information, see Hyper-V Host Cluster Error.)
	See the DKCE Support Matrix	See below for details.
	Note: The target snapshot feature requires Microsoft .NET Framework 3.5 SP1 to be installed - download from: http://www.microsoft.com/net.	
User Inter-face	See the DKCE Support Matrix	MMC 3.0 - download from: http://support.microsoft.com/kb/907265

Note: All servers within a cluster should be running the same version of Windows.

Make sure you verify the following settings prior to installing and configuring SteelEye DataKeeper Cluster Edition.

- **Important**: SIOS Technology Corp. recommends that users use Domain accounts that have local Admin privileges on all servers running DataKeeper. If you are using Local accounts, the username and passwords must match on all servers running DataKeeper. This recommendation is for all editions and all platforms.
- The Windows Failover Cluster environment must be installed and configured prior to installing the SteelEye DataKeeper Cluster Edition software up to the point of creating your first cluster resource. Follow Microsoft best practices for deploying geographically dispersed clusters, including changing the quorum mode majority node set with a file share witness. **If the basic Windows cluster is not configured prior to installing DataKeeper Cluster Edition, a repair installation of DataKeeper Cluster Edition is necessary before you are able to create a DataKeeper cluster resource.**

Local Security Policy Requirement

If your Windows servers are not in a domain and you are going to run the DataKeeper Service as the local system account, the Local Security policy setting "***Network Access: Let Everyone permissions apply to anonymous users***" must be enabled.

Known Issues

SCVMM 2012

If using DataKeeper with SCVMM 2012, you must use SCVMM 2012 SP1.

Windows Server 2012

For issues and enhancements related to **Windows Server 2012**, see the following topics in the Known Issues section of the DataKeeper Cluster Edition Technical Documentation:

- WSFC 2012 Failover Cluster Manager UI Defect
- WSFC 2012 New File Server Type Not Supported
- Manual Creation of a Mirror in WSFC
- WSFC 2012 Cluster Creation Default Setting Issue
- WSFC 2012 File Shares Cannot be Created for File Server Resource
- WSFC 2012 Server Manager -- Incorrect Volume Display
- WSFC 2012 Server Manager -- DataKeeper "Disk" Not Shown as Clustered
- Windows Server 2012 Default Information Missing During Mirror Creation
- Windows Server 2012 MMC Snap-in Crash
- Windows Server 2012 -- Simultaneous Move of Multiple Clustered File Server Roles Can Result in DataKeeper Switchover Failures
- Windows Server 2012 iSCSI Target Role Does Not Support Dynamic Disks
- Using iSCSI Target with DataKeeper

DataKeeper Cluster Edition Quick Start Guide

To get started using SteelEye DataKeeper Cluster Edition, refer to the DataKeeper Cluster Edition Quick Start Guide.