

## SteelEye® DataKeeper™

A highly optimized host-based replication solution for Windows Server 2003 and 2008.

### Integration with Windows Server 2008 Failover Cluster (WSFC) and 2003 Microsoft Cluster Service (MSCS)

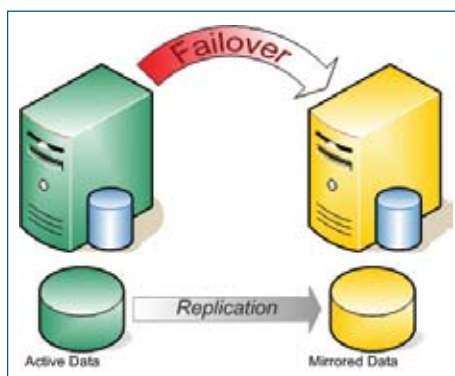
New features of Windows Server 2008 Failover Clustering such as cross subnet failover and use of high-latency networks make it easier for users to deploy geographically dispersed clusters. SteelEye DataKeeper unlocks the power of Windows Server 2008 Failover Clustering, allowing administrators to take advantage of these great new features to support high availability and disaster recovery configurations. SteelEye DataKeeper also supports Microsoft Cluster Server on Windows Server 2003.

With these new features of WSFC making geographically dispersed clusters easier to implement and more robust, there is still one key ingredient that is needed in order to fully enable this feature – wide-area data replication. Microsoft is supporting 3rd party hardware and software vendors to bring this technology to WSFC. SteelEye DataKeeper is one such solution and provides the optimal balance of ease of use, features and price-performance to facilitate geographically dispersed clusters for Exchange, SQL, SharePoint, Hyper-V and other critical applications.

The most basic configuration, shown below, consists of a two node Microsoft failover cluster, with one node in the primary data

center and the second node in a different data center at the other side of a WAN link. SteelEye DataKeeper replicates the volume resource(s) defined on the primary server to the secondary server. The volume resource can be a local attached disk, or it can be an iSCSI or fiber channel SAN attached volume.

Changes that occur to the volume(s) on the disaster recovery server are tracked in the bitmap and are replicated back to the primary server once it becomes available again.



### Integration with Windows Server 2008 Failover Cluster and 2003 Microsoft Cluster Service (MSCS)

SteelEye DataKeeper Cluster Edition integrates seamlessly with WSFC to enable “shared-nothing” clusters and geographically dispersed clusters. DataKeeper replaces the shared physical disk resource with a DataKeeper replicated

### Key Features:

- Host-Based, Volume Level Replication
- Synchronous and Asynchronous
- Replicates Hyper-V virtual machines in real-time
- Protects Exchange, SQL Server, SharePoint and Hyper-V applications
- Local and Remote Targets
- WAN Optimized with 9 Compression Levels
- Per Mirror Bandwidth Throttles
- 32 and 64-bit platform support
- Physical-to-Virtual Virtual-to-Virtual
- MMC GUI with at-a-glance status
- CLI for programmatic control
- Integration with Windows Server 2008 Failover Clustering and Windows Server 2003 Microsoft Cluster Services.
- Supports Windows Server 2003/2008

**Microsoft**  
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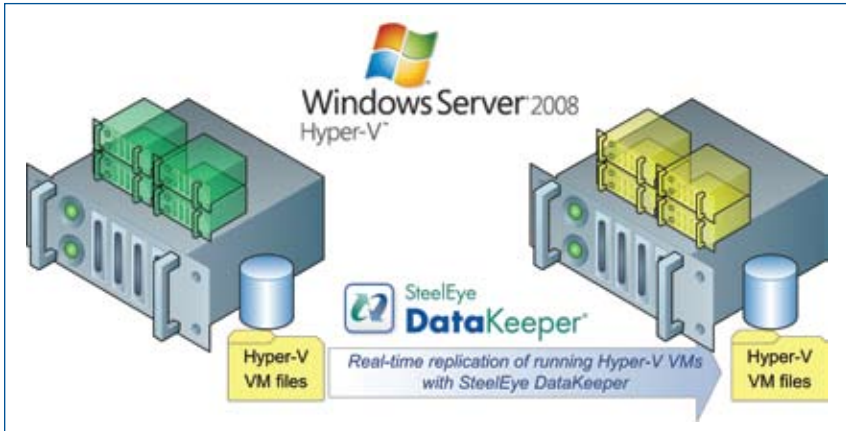
Partner

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volume resource. Any application that can be clustered with WSFC can now be further protected by replacing the single point of failure of the shared Physical Disk resource with a DataKeeper volume resource. Regardless of whether it is Exchange, SQL, IIS, File Print, Hyper-V or any other WSFC protected application, DataKeeper works seamlessly with WSFC to enhance the availability of that application.

One configuration scenario that is very interesting to administrators is the replication and recovery of Hyper-V VMs. SteelEye DataKeeper provides functionality to increase the availability of Hyper-V VMs by replicating the entire VM from one storage array to another. SteelEye DataKeeper's support of Hyper-V can work standalone or in conjunction with Microsoft WSFC to provide a complete array of disaster recovery, high availability and backup solutions for Hyper-V VMs.

SteelEye DataKeeper addresses the gaps of traditional back-up and restore of Hyper-V VMs by doing a continuous replication of a live running Hyper-V VM from your primary server to an alternate server located either locally in the same data center or across the WAN in your disaster recovery site.

In the event of a disaster, the replicated VM can be brought into service with minimal to no data loss, without the need to do any restoration from backup media. This gives you one of the highest RPO and RTOs available for Hyper-V recovery. SteelEye DataKeeper Standard Edition suits the disaster recovery needs of organizations that do not require "automatic" failover to the disaster recovery site.

## About SteelEye Technology

SteelEye is the leading provider of data and application availability management solutions for business continuity and disaster recovery for Linux and Windows and virtual environments.

The SteelEye family of data replication, high availability clustering and disaster recovery solutions are priced and architected to enable enterprises of all sizes to ensure continuous availability of business-critical applications, servers and data.

To complement its software solutions, SteelEye also provides a full range of high availability consulting and professional services to assist organizations with the assessment, design and implementation of solutions for ensuring High Availability within their environments.

SteelEye is a subsidiary of SIOS Technology, Inc.  
To contact SteelEye, visit [www.steeeye.com](http://www.steeeye.com) or call:

US/Canada 866.318.0108      Europe + 44 1494 429382      Int'l + 1.650.843.0655

SteelEye Technology, Inc.  
4400 Bohannon Drive, Suite 110, Menlo Park, CA 94025

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