

HP OpenView Storage Mirroring 4.4 competitive overview



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Competitive overview

		HP OpenView Storage Mirroring	Legato Replistor/Octopus	XOsoft WANSync Enterprise Rewinder	VERITAS Storage Replicator
Feature	Benefit	4.4	5.3.3	3.7/1.5	3.0
Pricing		NAS Edt.: \$1,595 Server: \$2,495 Adv. Server: \$4,495	\$2,499 NAS: \$1,499	WANSync: \$2,000– \$4,000 Enterprise Rewinder: \$900–\$2,400 WANSyncHA: \$4,000– \$5,000	Server and Adv. Server: \$1,495–\$2,995
Supported OS platforms	Provides common features and functionality across multiple computing platforms. Reduces cost of ownership and training.	Microsoft® Windows NT®, Windows® 2000, Windows Server 2003, Windows Powered NAS Certified on all editions of 2000 and 2003	Windows NT, Windows 2000, Windows Server 2003, Windows Powered NAS Certified on all editions of 2000 and 2003	Windows NT, 2000, 2003 Not certified on any Datacenter edition Solaris 7, 8, IBM AIX, Linux	Windows 2000, 2003, Storage Server 2003
Replication level	Byte-level replication reduces data transfer, resulting in less impact on networks and increased performance and efficiency; reduced latency; higher production levels	Byte changes only	Byte changes only	Byte changes only	Byte changes only
Replication selection granularity	Allowing file-level selection provides for greater granularity and flexibility and reduces data transfers	File/Directory, Wildcard include/exclude	File/Directory	Wildcard include/exclude	File/Directory
Requires additional permissions	Requiring special/high-security permissions is a risk that many companies cannot/will not take. This leaves files and data vulnerable to unwanted access and opens the company up to liability and regulatory violations.	No	Yes	Yes—Requires Domain Admin rights (highest permissions)	Yes—Requires backup operator rights on target
Replicate over existing networks or private networks	No need for dedicated networks.	Yes	Yes	Yes	Yes
Limit bandwidth usage on network	Ability to control the impact replication has on a production environment.	Yes	Yes	Yes	Yes

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Backup-aware	Detects files open on the target and automatically delays write operation until backup is complete.	Yes	Yes	Partial—Tries to write three times, then fails and data is discarded.	Yes
Integrated restore	Automatically restore selected dataset from target to source server without having to manually specify files and destinations.	Yes	No—You must set up replication from the target back to the source for each rep set.	Yes	No
Supports all file types	Product can replicate any file type.	Yes—Supports Unicode, allowing for foreign language/character support.	Does not replicate encrypted files.	Does not replicate encrypted files.	Encrypted files and files with reparse points are not replicated and are passed over.
Compression	Compresses data to reduce data transfer and increase performance.	Yes—Allows three levels.	Yes—Always on, cannot turn off. Can cause high system resource utilization (CPU and RAM).	Yes—Can turn on/off.	No
Target write-locking	Ability to prevent updates to the target server.	Yes—Allows full volume locking.	Yes—Allows locking at an individual path level.	No	Yes
Scheduled mirroring	User can define when they want mirrors and replication to occur.	Yes	Yes	Yes	Yes
Windows registry mirroring	Ability to copy Windows registry setting to remote target.	No	Yes	Yes	No
Maintains file permissions on replication	Files have security set to ensure data is protected from unauthorized access. Not replicating defined security settings will result in the data being “wide open” to anyone while residing on the target and also in production after a restore.	Yes	Yes	No—ACLs (security permissions) are copied on initial synchronization but not during replication.	Yes
Automatic failover	The application fails users from one server to another.	Yes	Yes	Yes	No—No failover

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Synchronization of shares	Shares are simple names that allow users to connect to and access volumes and disks. Removing these shares would result in the inability for users to access the data.	Yes—Copies shares a=on initial synchronization and periodically replicates new shares, ensuring accessibility in the event of a failover or rebuild.	Yes	Partial—Shares are copied to the target on a synchronization process, but not during replication. New shares would not be created resulting in users not having access to their data in the event of a failover or rebuild.	No
Delayed writes on target	Delayed writing of source changes on the target can help protect against unwanted changes being replicated immediately. This is useful when corruption occurs on the source so as not to have the corruption replicate to the target. The delay allows the target writes to be stopped before the corruption is committed there. The same benefit applies when a file is deleted on the source.	Yes—Can be automated using scripts.	No	Yes—However stores changes on source side, not on target. Data is unprotected until it is transferred to the target. Result is a non-real-time solution.	No
Flexible and customizable GUI	Allow for scalability and customization based on individual customer needs.	Yes—Can create custom views of servers. Allows for overall scalability and ease of use. Administrators can view just their select servers. Customized log reports and wizards for replication setup.	No	No	Yes—Web-like GUI, wizards, and reporting.
Snapshots	The ability to create and store point-in-time copies of data.	No—Can integrate with Microsoft VSS or other hardware or software snapshot solutions by way of in-band controls. Works with HP OpenView Storage Virtual Replicator.	No—No in-band controls to initiate snapshots.	No—Provides journaling of changes to go back to a specific point in time, cannot roll forward after you have rolled back.	No

For more information

<http://h18006.www1.hp.com/products/storage/software/sm/index.html>

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4AA0-2610ENW, October 2005

