

IBM Storwize Family Storage Replication Adapter
Version 2.3.0

Release notes



First Edition (May 2014)

This edition applies to version 2.3.0 of the IBM Storwize Family Storage Replication Adapter and to all subsequent releases and modifications until otherwise indicated in a newer publication. Newer document editions may be issued for the same product version in order to add missing information or amend typographical errors. The edition is reset to 'First Edition' for every new product version.

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Overview

The IBM® Storwize® Family Storage Replication Adapter (SRA) is a software add-on that integrates with VMware vCenter Site Recovery Manager (SRM) solution and enables SRM to perform failovers together with supported storage systems.

The IBM Storwize Family SRA extends SRM capabilities and uses replication and mirroring as part of the SRM comprehensive Disaster Recovery Planning (DRP) solution. VMware administrators can automate the failover of a storage system at the protected (primary) SRM site to a storage system at a recovery (secondary) SRM site.

Download site

You can download the IBM Storwize Family SRA from the VMware website.

<http://www.vmware.com/go/download-srm>

Compatibility and requirements

The compatibility and requirements for version 2.3.0 of the IBM Storwize Family SRA are documented in the following topics.

Supported storage systems

The IBM Storwize Family SRA supports the following IBM Storage products.

Storage system	Microcode version	Compatibility note
IBM Flex System® V7000 Storage Node	6.4.1 to 7.2	
IBM SAN Volume Controller	5.1.10 to 7.3	Requires the Remote Mirror and FlashCopy® features to be enabled.
IBM Storwize V3700	7.1.0.1 to 7.3	
IBM Storwize V5000	7.1 to 7.3	
IBM Storwize V7000	6.1 to 7.3	
IBM Storwize V7000 Unified	1.3 to 1.4.3	Only block storage is supported. File systems and file shares are not supported.

Required VMware server software

The following server software must be installed at both the primary and secondary sites.

- VMware Site Recovery Manager 5.x

Required VMware client software

The following software must be installed on the administrator client station.

- VMware vSphere Client 5.0, 5.1, or 5.5

Change log

This section summarizes the changes made in different version releases of the IBM Storwize Family SRA.

Version 2.3.0 (May 2014)

Version 2.3.0 adds support for the following storage system microcode versions:

- IBM SAN Volume Controller 7.3
- IBM Storwize V3700 7.3
- IBM Storwize V5000 7.3
- IBM Storwize V7000 7.3
- IBM Storwize V7000 Unified 1.4.3 (block storage only)

Version 2.3.0 includes the following enhancements and fixes:

Ticket ID	Description
VMSS-260576	Enhancement: IP replication partnerships. IP replication only supports Storwize Family version 7.2 or later. For information about configuring IP replication, see the IBM Storwize V7000 information center.
SRADSK-261140	Enhancement: The Check Configuration Tool determines whether the configuration is correct and troubleshoots problems.
SVCSRA-5161	Fixed: The IBM Storwize Family SRA fails if the name of the consistency group has the string “grp.”

Version 2.2.1 (December 2013)

Version 2.2.1 added support for the following storage system microcode versions:

- IBM Flex System V7000 Storage Node 7.2
- IBM SAN Volume Controller 7.2
- IBM Storwize V3700 7.2
- IBM Storwize V5000 7.1 to 7.2
- IBM Storwize V7000 7.2
- IBM Storwize V7000 Unified 1.4.2 (block storage only)

Version 2.2.1 included the following enhancement:

Ticket ID	Description
VMSS-260606	Enhancement: Support for Transport Layer Security (TLS) 1.2.

Version 2.2.0 (September 2013)

Version 2.2.0 added support for the following systems:

- IBM Flex System V7000 Storage Node
- IBM SAN Volume Controller
- IBM Storwize V3700
- IBM Storwize V7000

- IBM Storwize V7000 Unified

Note: Only block storage is supported for IBM Storwize V7000 Unified. File systems and file shares are not supported.

Version 2.2.0 also added support for the IBM Storwize V5000 storage system microcode version 7.1, along with the following enhancements:

Ticket ID	Description
VMSS-260605	Enhancement: Support for compressed volumes (compressed volumes can be created during SRM operations).
VMSS-260604	Enhancement: Adding a Volume Name filter (Opaque).

Version 2.1.0 (January 2013)

Version 2.1.0 added the following features.

Global Mirror Change Volume

Global Mirror Cycling mode between the storage systems.

Fiber Channel/iSCSI communication

iSCSI and Fibre Channel communications between host and storage.

Preconfigured failover

Pre-configured environment settings for data migration.

Non-preconfigured failover

Non-preconfigured environment settings for data migration.

Space Efficient Volume

Space Efficient FlashCopy target volume.

Version 2.1.0 included the following fixes:

Ticket ID	Description
SVCSRA-5192	Fixed: The Site Recovery Manager reports 4096 error code and causes test failover failure.
SVCSRA-5201	Fixed: The space efficient volume is not created when the Storage Replication Adapter is configured in space efficient mode during testfailoverstart .
SVCSRA-5202	Fixed: Test snapshot is not cleaned up during testfailoverstop .
SVCSRA-5207	Fixed: Failover failed when the SAN Volume Controller protection site is down.

Known issues

This section details the known issues in version 2.3.0, along with possible workarounds (if workarounds are available).

Ticket ID	Description
SVCSRA-5161	<p>If the vCenter/SRM/ESX server is down but the storage is still working, the secondary recovery action might fail when the primary site is recovered.</p> <p>Workaround: Stop the remote copies with the access option enabled on the storage before running the secondary recovery.</p>

Related information and publications

Additional information and publications related to the IBM Storwize Family SRA can be found on the following IBM and VMware websites.

- IBM Storage Host Software Solutions Information Center
- VMware vCenter Site Recovery Manager Documentation
- VMware Technical Resource Center
- VMware Knowledge Center
- SAN Volume Controller V4.3.0 Advanced Copy Services
- SAN Volume Controller Best Practices and Performance Guidelines

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- IBM Support Portal website (www.ibm.com/storage/support)
- IBM Directory of Worldwide Contacts website (www.ibm.com/planetwide)

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