IBM VM Recovery Manager DR for Power Systems

Version 1.3.0

Release Notes



Note

Before using this information and the product it supports, read the information in $\frac{\text{"Notices" on page}}{3}$.

First edition (June 2019)

This edition applies to VM Recovery Manager DR 1.3.0 and to all subsequent release and modifications until otherwise indicated in new editions.

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About this document

The Release Notes topics include late technical information, and they highlight new functions for the VM Recovery Manager DR licensed program.

Highlighting

The following highlighting conventions are used in this document:

Bold	Identifies commands, subroutines, keywords, files, structures, directories, and other items whose names are predefined by the system. Bold highlighting also identifies graphical objects, such as buttons, labels, and icons that you select.	
Italics	Identifies parameters for actual names or values that you supply.	
Monospace	Identifies examples of specific data values, examples of text similar to what you might see displayed, examples of portions of program code similar to what you might	
	write as a programmer, messages from the system, or text that you must type.	

Case-sensitivity in VM Recovery Manager DR

The command name and some flags in the VM Recovery Manager DR solution are case-sensitive, which means that it distinguishes between uppercase and lowercase letters. To avoid causing undesirable actions to be performed, always ensure that you use the correct case.

The case-sensitivity of the command name and the flags are listed as follows:

- The command name is case-sensitive.
- The ACTION flag is not case-sensitive.
- The **CLASS** flag is not case-sensitive.
- The NAME flag is case-sensitive.
- The ATTR flag and the corresponding VALUE parameter are case-sensitive.

Correct example

ksysmgr ADD SITE site_name sitetype=active

Incorrect example

KSYSMGR ADD Site Site_name SiteType=Active

ISO 9000

ISO 9000 registered quality systems were used in the development and manufacturing of this product.

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VM Recovery Manager DR Version 1.3.0.2 Release Notes

New functions for VM Recovery Manager DR Version 1.3.0.2

VM Recovery Manager DR Version 1.3.0.2 is the Service Pack 2 (SP2) update to the release 1.3. This release contains the following enhancements:

IBM XIV/A9000 replication DR management

The VM Recovery Manager DR Version 1.3.0.2 solution supports DR management with the IBM XIV/ A9000 Storage System. The IBM XIV Storage System requires HMC Version 9.1.0, or later and VIOS Version 3.1.0.21, or later.

High availability for KSYS LPAR using PowerHA SystemMirror

Multiple KSYS LPARs can be deployed for redundancy using Active-passive model, using PowerHA SystemMirror for AIX. This provides protection against the failure of LPAR in which KSYS is hosted.

Enhancements in GUI dashboard

- The graphical user interface has been enhanced to support administration functions and to display topology of both sites more effectively. Storage controllers and HMC are also included in topology reports across sites.
- The GUI dashboard shows storage controllers on both sites, relationships between Active site's VM disk and Backup site's VM disk, and the inventory details.
- You can perform DR operations such as movement of a site and Failover rehearsal operations.
- Other enhancements include: support for operations such as delete cluster, enhanced activity window, and enhanced toplogy refresh task, etc.

Requirements

For more information about the requirements for the VM Recovery Manager DR solution, see the Requirements for the VM Recovery Manager DR solution topic.

Installation and migration

- Upgrade the VM Recovery Manager DR solution to version 1.3. For more information, see <u>Upgrading the</u> KSYS software.
- Install the GUI fileset to access the VM Recovery Manager DR solution by using graphical interface. For more information about installing GUI fileset, see Upgrading the VM Recovery Manager DR solution.

Known Limitations

- If a site contains multiple storages, use the disk_pair command at the site level to determine the relationship of disks between the active site and the backup site. Using the disk_pair command at the host group level does not display the accurate relationship of disks between the active site and the backup site.
- In a configuration in which multiple XIV storage systems are added to the KSYS subsystem, the VMs of a host group must not get disks of more than one XIV Storage System of a site.
- If your are using the KSYS cluster in shared mode, perform the following steps after migrating from VM Recovery Manager DR Version 1.2 to VM Recovery Manager DR Version 1.3.0.2:

1. Change the KSYS cluster type to DR by running the following command:

chrsrc -c IBM.VMR_SITE ClusterType=DR

2. Set the replication type of storage to shared mode at the system level by running the following command:

ksysmgr modify system replication_type=shared sites=<src_site_name>,<DR_site_name>

- 3. Run the discovery operation to update the KSYS configuration settings.
- Network mapping policy should be configured at the site level or at the host group level. Configuring network policy at the host level does not work.

KSYS APAR fixes in VM Recovery Manager DR Version 1.3.0.2

VM Recovery Manager DR Version 1.3.0.2 release includes the following KSYS APAR fixes.

Table 1. KSYS APAR List		
Sr. No.	APAR No.	Description
1	IJ15695	The KSYS discovery fails with the SVC storage agent
2	IJ16605	The KSYS events log may show false HMC_UNREACHABLE event
3	IJ15403	The VMR daemon may core dump at getWwpnDisks
4	IJ16403	DR Test operation may cause unexpected shutdown of VMs at Active site

Additional information

Documentation

To view the latest updates to the documentation, see the <u>What's new in VM Recovery Manager DR</u> 1.3.0.2 topic.

To view the documentation in the PDF format, see the <u>VM Recovery Manager DR Version 1.3 PDFs</u> topic.

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