

VM Recovery Manager for IBM Power Systems

Highlights

- Economical, easy to use HA/DR solution for AIX, IBM i and Linux on Power
 - Avoid the need for duplicate software licensing at the recovery site
 - “Single click” automation of DR compliance testing
 - GUI for single pane of glass management for VMR HA and DR clusters
 - Application monitoring agents for Db2, Oracle and SAP
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Increase availability and streamline site switches with an economical, easy to use high availability and disaster recovery solution

Organizations using IBM Power Systems in cloud environments need a simple and economical high availability and disaster recovery (HA/DR) solution for AIX, IBM i and Linux environments.

IBM VM Recovery Manager (VMR) for Power Systems is an easy-to-deploy and manage HA/DR solution that enables VMs to be moved between systems using Live Partition Mobility (LPM) for planned events or restarted on another system for unplanned outage events. VMs can also be replicated and restarted at remote locations for disaster recovery operations, and DR testing can be done with one single command. Unlike traditional clustering solutions which are operating system aware, VMR is an operating system agnostic solution thus enabling a uniform HA/DR solution across AIX, IBM i and Linux environments.

How does VMR make HA/DR more economical?

VMR is an active/inactive configuration whereby the production VMs can be moved to a cold standby configuration by either LPM or a VM restart procedure. The active/inactive configuration means that software licenses are not required on the target system since the production applications and operating system will be restarted onto the target system.

Differences between VMR and PowerHA

VMR	PowerHA
Active/Inactive configuration in which the technology operates on a VM as a “black box” making it easier to install and manage	Active/Passive shared storage class of HA/DR clusters that operate inside the VMs and feature an active operating system on the secondary nodes in the cluster
Easier to implement and manage, and will meet the HA/DR needs for a large share of production environments	Covers all outage types including software maintenance, is comparatively more complex to implement but is the premier HA solution for mission critical environments

VMR versions

VM Recovery Manager comes in two versions;

- VM Recovery Manger HA (VMR HA)
- VM Recovery Manager DR (VMR DR), formerly called Geographically Dispersed Resiliency (GDR)

VM Recovery Manager HA (5765-VRM) provides the VM restart based HA management and VM Recovery Manager DR (5765-DRG) provides VM restart based HA or DR capabilities.

VMR HA	
What it does	VM restart based HA solution
Key Features	Supports AIX, Linux and IBM i environments
	GUI interface enabling easy monitoring and management of large numbers of VMs
	Supports automatic restart or restart via admin notification (advisory mode)
	Manages Live Partition Mobility (LPM) for planned HA management including features such as vacating a host for maintenance and restoring the host after repair
	Co-location/anti-colocation policy, VM relocation policies
	Host, VM and Application monitoring options
	Application monitoring framework plus included agents for Db2, Oracle and SAP

VMR DR	
What it does	VM restart based HA/DR solution (VMR DR covers both HA and DR)
Key Features	Supports AIX, Linux and IBM i environments
	Administrator initiated automation
	Manages the storage replication and the process of bringing down the production VMs gracefully and restarting them at the DR site
	Manages the process of restarting the production VMs at the target site in the event of an unplanned outage
	Provides a non-disruptive DR testing option
	Flex capacity to increase or decrease CPU and memory on the target side
	Verification testing with admin notification
	VLAN mapping between source and target
DRaaS hosting options for CSPs and MSPs	

Why IBM?

IBM has long pioneered technologies and provided services that help companies manage valuable business data. The VM Recovery Manager product family provides an economical and simplified way to provide HA/DR solutions for Power Systems customers. It may be used as an adjacent solution to PowerHA deployments, or in the case of PowerHA for AIX Standard Edition customers, VMR DR should be considered for the DR solution. All Power System customers currently using third party IP based replication products should take a close look at VMR DR from the perspective of both CAPEX and OPEX, and VMR HA may well be the HA solution of choice for many of our Linux customers.

Next steps

→ [Visit the VM Recovery Manager page](#)

For more information

To learn more about the VM Recovery Manager please contact your IBM representative or IBM Business Partner, or visit the following website:

<https://www.ibm.com/us-en/marketplace/vm-recovery-manager>

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