

# VM Recovery Manager for IBM Power

Increase availability and streamline site switches with an economical, easy to use high availability and disaster recovery solution



## Highlights

Economical, easy to use HA/DR solution for AIX®, Linux, and i on Power

No need for duplicate software licensing at the recovery site

“Single click” automation of DR compliance testing

GUI for single pane of glass management for VMRM HA and DR clusters

Available in Power Virtual Server as DR Automation

Application monitoring agents for Db2®, Oracle, and SAP and more

Organizations using IBM® Power® 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 (VMRM) for Power 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 a single command. Unlike traditional clustering solutions which are operating system aware, VMRM is an operating system agnostic solution thus enabling a uniform HA/DR solution across AIX®, IBM i, and Linux environments.

## How does VMRM make HA/DR more economical?

VMRM 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

### VMRM versions

VM Recovery Manager comes in 3 versions:

- VM Recovery Manager HA (VMRM HA)
- VM Recovery Manager DR (VMRM DR)
- DR Automation which is VMRM DR in Power Virtual Server

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

### VMRM HA

<b>What it does</b>	VM restart based HA solution
<b>Key Features</b>	Supports AIX, IBM i and Linux environments (is included with AIX EE)
	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, SAP, Postgres and NetWeaver enabling automated VM moves via LPM or restart

## VMRM DR

<b>What it does</b>	VM restart based HA/DR solution (VMRM DR covers both HA and DR) is included in the Private Cloud Edition
<b>Key Features</b>	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 clients. It may be used as an adjacent solution to PowerHA deployments, or in the case of PowerHA for AIX Standard Edition customers, VMRM DR should be considered for the DR solution. All Power clients currently using third party IP based replication products should take a close look at VMRM DR from the perspective of both CAPEX and OPEX, and VMRM HA may well be the HA solution of choice for many of our Linux customers.

### For more information

To learn more about VM Recovery Manager, please [contact your IBM representative](#) or IBM Business Partner, or visit <https://ibm.biz/IBMVMRM-ProductPage>.

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