



# HPE VM Explorer

## Simple, cost-effective VMware protection

HPE VM Explorer is a low-cost, easy-to-use and reliable backup solution offering fast VM and granular restore, replication, and verification of VMware vSphere and Microsoft Hyper-V environments.

### **Enterprise value. SMB price.**

**Centrally manage backup and replication for virtual environments:** supports both VMware vSphere and Microsoft Hyper-V, built-in replication, with an intuitive and easy to navigate web interface

- Protect ESX and ESXi standalone servers, vCenter virtual datacenter, Microsoft Hyper-V server as well as a Hyper-V Cluster on all operating systems supported by VMware ESX/ESXi and Microsoft Hyper-V server. VM Explorer also supports the free version of ESXi.
- Replicate any VM to another host (on-premises or on the cloud) with built-in point-in-time replication; the VM is registered to the backup server automatically and can be started and accessed on-demand. Through change-tracking, VM Explorer replicates any changes on the new target host keeping virtual environments in sync and available for rapid disaster recovery.

**Easy to install and operate:** quick installation and configuration and easy administration through an easy to navigate web interface

- Be up and running with VM Explorer in minutes. VM Explorer's light-weight installer completes the installation in less than a minute. The configuration requires a few simple clicks and within minutes you can start running your backups and replications of your virtual machines.

- Configure and manage VM Explorer through an intuitive and easy to use web-based interface that supports Active Directory integration and multi-user access. The integrated job scheduler allows you to perform unattended, periodic backups of your virtual infrastructure. Jobs may also be started using the web interface, which maintains a simple overview of backups. Filtering and sorting of these backups according to your requirements enables quick restoration with just a few clicks.
- VM Explorer's main dashboard provides the health and status of the scheduled backup tasks. Comprehensive email reporting provides relevant information about the backup jobs. These reports can also be viewed at any time through your backup history.

### **Reliable and with enhanced security**

**features:** worry-free data protection with automated backup verification, encryption, and active directory integration

- The dual verification capability, which checks the integrity and restorability of VM backups as well as the file system consistency, gives administrators peace of mind. The automated verification process runs test without disrupting the production environment and generates reports containing the screenshot images taken at a custom interval during the testing process. Currently this feature is available for ESX/ESXi.

- Supports AES 256 bit encryption—a high standard in security—helps provide secure data backup to any backup target—on-premises and cloud.
- Supports both full and incremental backups as well as synthetic backups through the consolidation of full and incrementals. The integrity of synthetic backups is maintained; if an incremental backup is mistakenly deleted or gets corrupted, VM Explorer automatically schedules a full replication.

**Fast and efficient backup:** server-to-server fast copy, snapshot integration, dynamic compression, and Changed Block Tracking (CBT) support

- Copies files and backups at full speed directly between ESX, ESXi, Hyper-V, Linux and FreeBSD servers. Throughput is limited only by the available network bandwidth and the disk speed of the source and target systems.
- Built-in snapshot integration for EMC ScaleIO storage arrays. Snapshots can be initiated and managed through VM Explorer's web based interface.
- Dynamic compression and Incremental backup and replication with Changed Block Tracking (CBT) makes the VM backup and replication process fast and efficient. Dynamic compression of backups improves data transfer over slow network links (typically wide-area networks) and saves storage on the target system. Incremental backup and replication with Changed Block Tracking (CBT) sends only changed blocks since the last backup or replication job.

**Advanced VM recovery options:** includes VM restore, VM power on directly from the backup and restore through vMotion, and granular file-level restore

- Instant Virtual Machine Recovery (IVMR) technology allows VMs to be recovered in a matter of seconds directly from backups, reducing unplanned downtime and improving service availability. Single-click restore moves VMs to production through vMotion.
- Granular file-level recovery enables rapid restore of single files and folders directly from any backup—full as well as incremental backup on-premises or on the cloud—without restoring the full backup.

**Choice of backup targets with automated storage-tiering:** public and private cloud, disk-based options, and tape enables cost-effective backup and recovery that is just right for your environment

- Securely back up and replicate VMs directly to cloud targets including Amazon S3, Rackspace, and Helion OpenStack without any intermediary gateway. Native cloud integration enables cost-effective disaster recovery and single item recovery for your continuously growing virtual environment.
- Backups can be stored on a wide-variety of disk based targets: direct attached storage, network attached storage (NAS), Storage Area Network (SAN), ESX/vSphere, Windows, Linux and FreeBSD based storage platforms, and HPE StoreOnce backup appliances (NAS and VTL interfaces).
- Tape support includes both locally or iSCSI attached to the VM Explorer server. Split-tape backup enables efficient use of tape media and saves cost of storage.
- Automated storage tiering enables seamless movement of backup sets between disk, tape, and cloud allowing you to efficiently and cost-effectively utilize different available storage tiers and meet varying RTO (Recovery Time Objective) needs.

**Cost-effective with simple to understand licensing:** affordable with multiple editions—choose the one that's right for your environment and easily upgrade as you grow your environment

- VM Explorer is designed and priced for SMBs. It's light-weight design and small foot-print means you don't need to buy specialized hardware with powerful memory and CPU components. VM Explorer's socket-based pricing is easy to understand and very affordable. Simple licensing, low pricing, and self-service features enables easy maintenance and removes the need for special training—making the overall solution very cost-effective.
- VM Explorer is available in three editions—Free, Professional, and Enterprise. The Free edition provides VM backup and restore and direct copy of files between ESX/Windows/Linux/FreeBSD servers. The Professional edition provides an efficient backup/replication solution that includes advanced features such as tape

## Technical specifications

### Supported environments

- VMware vSphere 4.0, 4.1, 5.0, 5.1, 5.5, 6.0
- VMware vCenter 4.0, 5.0, 5.1, 5.5, 6.0
- VMware ESXi (free) 3.5, 4.0, 4.1, 5.0, 5.1, 5.5, 6.0
- VMware ESX 3.0.x, 3.5, 4.0, 4.1
- Microsoft Hyper-V Server 2008 R2 (SP1)
- Microsoft Hyper-V Server 2012
- Microsoft Hyper-V Server 2012 R2

### Supported virtual machines

All guest operating systems supported by a hypervisor.

support, incremental backup, off-site backup, file level restore, and backup verification.

The Enterprise edition provides additional advanced features including Instant VM Recovery, multi-user interface, backup encryption, additional features for cloud backups (public and private) and a powerful backup and replication functionality.

- As your business grows, so can your VM Explorer environment—purchase the VM Explorer license through an online transaction and easily upgrade to the next edition when you need to.

## Editions

HPE VM Explorer is available in two editions:

### PROFESSIONAL EDITION

- Powerful Web interface (English, Italian, Spanish, and German)
- Backup and incremental backup for ESX/ESXi, ESXi free, and Hyper-V
- Replication and incremental replication for ESX/ESXi and Hyper-V
- Tape backup
- Automated backup test
- Automatic File and Partition check
- Heartbeat test
- Public and private cloud backup (Amazon S3, Rackspace, OpenStack, HPE Cloud)
- vCenter and Hyper-V cluster support
- Application-consistent backup using Windows® VSS
- File-level restore
- Backup report and status via email notification

### ENTERPRISE EDITION

Includes features of Professional Edition, plus:

- Instant VM recovery (IVMR)
- Support for vMotion on IVMR
- File-level restore from the cloud
- Automated test on cloud backups
- Multi-user interface with Active Directory integration
- vSAN support
- Encrypted backups
- Storage snapshots with ScaleIO

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