

# VM Explorer

Micro Focus® 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.

**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 available in nine languages.

- Protect ESX and ESXi standalone servers, vCenter virtual data center, 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 or copy to 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 efficiently on the new target host keeping virtual environments in sync and available for rapid disaster recovery.
- Integration with leading storage products, including HPE StoreOnce Catalyst and Catalyst Copy, HPE StoreVirtual VSA, HPE StoreEver tape libraries, NAS, VTL, cloud and local disk provides complete flexibility to meet any environment's needs.

**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. VM Explorer also integrates with Micro Focus's advanced analytical reporting technology, Backup Navigator, giving insights into the environment to help customers identify potential problems, fine tune the environment, and get centralized reporting across both VM Explorer and Micro Focus Data Protector.

**Reliable and with enhanced security features:** worry-free data protection with automated backup verification, encryption, and

## Technical Specifications

### Supported Environments

- VMware vSphere 5.5, 6.0, 6.5
- VMware vCenter 5.5, 6.0, 6.5
- VMware ESXi (free) 4.0, 4.1, 5.0, 5.1, 5.5, 6.0, 6.5
- Microsoft Hyper-V Server 2016
- Microsoft Hyper-V Server 2012 & 2012 R2
- Microsoft Hyper-V Server 2008 R2 (SP1)

### Supported Virtual Machines

All guest operating systems supported by the hypervisor host.

- 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 tests without disrupting the production environment and generates reports containing the screenshot images taken at custom intervals during the testing process. Currently this feature is available for VMware only.
- 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 replications, for fast and efficient transfers.

**Fast and efficient backup:** server-to-server fast copy, snapshot integration, dynamic compression, Changed Block Tracking (CBT) and Resilient Change Tracking (RCT) 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 HPE StoreVirtual VSA, HPE 3PAR and EMC ScaleIO storage arrays. Storage layer snapshots can be initiated automatically by VM Explorer during backups, alleviating load on the hypervisor host.
- Dynamic compression and Incremental backup and replication with Changed Block Tracking (CBT) and Resilient Change Tracking (RCT) 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 sends only changed blocks since the last backup or replication job. StoreOnce Catalyst support provides an advanced deduplicated storage target for efficient use of storage.

**Advanced recovery options:** includes VM restore, VM power on directly from the backup, migrate to production through vMotion, and granular recovery for files and Microsoft Exchange emails.

- 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. (Note: requires VMware license with support for vMotion storage).
- Granular recovery capabilities enable rapid restore of individual items—files and emails—directly from any backup—both full and incremental.

**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 copy VMs directly to cloud targets including Amazon S3, Rackspace, Microsoft Azure, Scality and 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 (Catalyst, 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 a low cost solution. 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 basic manual VM backup and restore and direct copy of files between ESX/Windows/Linux/FreeBSD servers. The Professional Edition provides an automated and efficient backup/replication solution that includes advanced features such as tape support, incremental backup, off-site backup, file level restore, scheduled jobs 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), StoreOnce Catalyst support and a powerful backup and replication functionality.
- As your business grows, so can your VM Explorer environment—with no limit on the number of CPU sockets, you can easily add more CPU sockets without the need to upgrade to the next edition.

## Editions

Micro Focus VM Explorer is available in three editions:

Feature	Free Edition	Professional Edition	Enterprise Edition
Powerful Web interface (English, Italian, Spanish, Chinese (Simplified), French, Japanese, Portuguese (Brazilian), Russian, and German)	✓	✓	✓
vCenter and Hyper-V cluster support	✓	✓	✓
Backup and restore for ESXi, and Hyper-V	✓	✓	✓
Compression	✓	✓	✓
Application-consistent backup using Microsoft VSS	✓	✓	✓
Deduplication (HPE StoreOnce NAS)	✓	✓	✓
Deduplication (HPE StoreOnce VTL)		✓	✓
Deduplication (HPE StoreOnce Catalyst)			✓
Task scheduler		✓	✓
Incremental backup for ESXi, and Hyper-V		✓	✓
Replication and incremental replication for ESXi and Hyper-V		✓	✓
Tape/VTL backup		✓	✓
Automated backup test for ESXi		✓	✓
Backup to the cloud (Amazon S3 and S3 compatible targets e.g. Scalify, Rackspace, Microsoft Azure, and OpenStack)		✓	✓
Backup status reports and email notifications		✓	✓
Microsoft Exchange 2013 & 2016 single, multiple and mailbox email restore (GRE)		✓	✓
File-level restore		✓	✓
File-level restore from the cloud			✓
Instant VM recovery (IVMR) for ESXi			✓
Automated test on cloud backups for ESXi			✓
Multi-user authentication with Active Directory integration			✓
vSAN support			✓
Storage snapshots with HPE 3PAR			✓
Storage snapshots with HPE StoreVirtual VSA			✓
Storage snapshots with EMC ScaleIO			✓
Support for integration with Micro Focus Backup Navigator			✓
Encrypted backups			✓

Try Micro Focus VM Explorer for free at: [software.microfocus.com/en-us/try/vm-server-backup](https://software.microfocus.com/en-us/try/vm-server-backup)

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[www.microfocus.com](http://www.microfocus.com)



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**Micro Focus**

**UK Headquarters**

United Kingdom

+44 (0) 1635 565200

**U.S. Headquarters**

Rockville, Maryland

301 838 5000

877 772 4450

Additional contact information and office locations:

**[www.microfocus.com](http://www.microfocus.com)**