

# StarWind Hyper-V Backup Plug-in

## Ultimate Protection of Your Hyper-V VM Data

### WHAT'S NEW?

- Updated Management Console with improved GUI
- Remote installation of Backup Plug-in
- Incremental backup
- Autotesting of archives
- Cross-hypervisor support\*

*Hyper-V Backup Plug-in provides fast and easy backup and reliable VM restore; it reduces storage space requirements, introduces simple management and has affordable price for SMBs.*

StarWind provides customers with a reliable, simple, and high performance backup solution for Hyper-V that eliminates VM downtime and painful halts in hypervisor operations.

Ease of installation and use, a wide range of features, and an affordable price make Hyper-V Backup a perfect fit for medium and small-sized companies that operate multiple Hyper-V servers.

Backup Plug-in is compatible with any storage software, which provides configuration flexibility in environments with the existing storage infrastructure.

### Single vendor – double use

StarWind provides the end-to-end storage virtualization tool and backup data protection developed exclusively for Hyper-V environments.

- ✓ Work within the intuitive familiar interface enjoying the flat learning curve
- ✓ Ensure seamless upgrades of storage and backup software
- ✓ Use single Management Console for both SAN and backup infrastructure

### Agentless architecture

Hyper-V Backup has no agents on guest systems. Since the whole process is managed by the host system, there is no need for VM downtime for either the product installation or the backup process. Such an agentless approach increases performance and ensures simple reliable backup and restore procedures.

### Sandbox mode and autotesting<sup>NEW</sup>

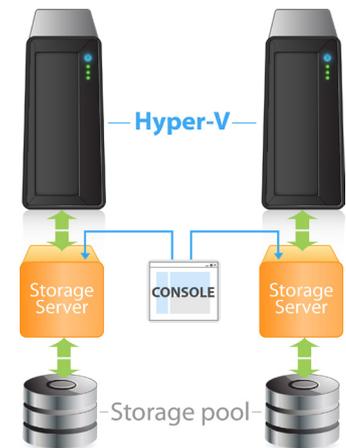
Sandbox mode provides a VM launch from an archive in an emulated environment to verify its operability as well as to use its clone as a fully-functional VM. Customers can restore a VM from any point in a full or incremental backup. Sandbox is also used for automatic launch of every new archive in order to check its recoverability. A report with the results of the autotesting procedure is sent to an administrator.

### Incremental backup<sup>NEW</sup>

Along with full VM backup, Hyper-V Backup Plug-in provides an incremental backup option. It stores only blocks that have changed since the last backup operation and ensures considerable reduction of storage space requirements.

### Remote installation of Backup Plug-in<sup>NEW</sup>

StarWind made the installation procedure truly simple. Now even novice users with administrative access to the network computers can install Hyper-V Backup Plug-in remotely from the Management Console to any Hyper-V server connected to LAN. This feature centralizes software management and reduces the deployment time and effort required.



Hyper-V Backup Plug-in

### Save Space!



Reduce the amount of data sent over the network using built-in Global Deduplication and Incremental Backup capabilities.

### Save Time!



Enjoy the fast and efficient transfer of VM data to any storage and instant VM recovery.

### Save Money!



Reduce costs and maximize virtualization outcomes by saving on additional hardware and software.

### THE KEY ADVANTAGES

- Global deduplication: size of archives reduced by 80%
- Instant VM recovery: single-click VM restore
- Sandbox mode: launch of a VM directly from an archive
- Agentless architecture: no VM downtime for software installation or backup operation
- Support of VHD file format

## **SUPPORT OF HYPER-V FEATURES**

- Native Hyper-V API (for operation with guest systems)
- Microsoft VSS (for synchronous mirroring of the VM image)
- VSS-volumes (for the clustering systems)

## **SUPPORTED GUEST OPERATING SYSTEMS (32/64 BIT)**

- Microsoft Windows XP SP2  
Windows Vista/Windows 7
- MS Windows Server 2008 R2
- Linux-based OS

## **LICENSING**

StarWind Hyper-V Backup Plug-in provides a unique license that covers an exact number of Hyper-V hosts required by a customer at a time of purchase. The licensing is not limited to the number of VMs per a single Hyper-V host and not affiliated with a number of CPUs on a physical server.

## **QUALIFIED TECHNICAL SUPPORT**

StarWind provides the prospects and customers with qualified support services at the stage of software deployment, configuration and maintenance. Contact [StarWind support team](#).

Hyper-V Backup Plug-in is based on the VM Backup Engine designed by ArCycle Software, Inc.

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

## **Cross-hypervisor support** \*NEW

Now it is possible to create a unified backup infrastructure for the vSphere and Hyper-V environments. That means an IT administrator can view and manage all the existing Hyper-V and VMware hosts with VMs from the same Console. This capability simplifies the management process considerably.

## **Instant virtual machine recovery**

Data recovery, automatic virtual machine restart, and VM launch directly from an archive are fast since VMs are stored in their original VHD file format. Windows-native VHD format makes archives transparent for third-party vendors' software. Starting from Windows 7, archives are available for the read/write operations without any additional software. It is possible to copy an archive and simply launch a VM from it.

## **Global deduplication**

This unique technology allows for the elimination of redundant data in both individual VM archives and between all VMs located on all connected Hyper-V hosts within the same storage pool. This feature is highly efficient in virtualized environments where archives of VMs running the same OS can be deduplicated with high ratios resulting in huge storage space savings.

## **Windows-native VSS service**

Support of this service ensures time consistency of data within an individual virtual machine and between all VMs running on a Hyper-V host.

## **Delta data saving**

The Backup Plug-in leverages powerful global deduplication technology, and it saves only unique data instances that have been written since all previous backup operations. Delta data saving is a StarWind proprietary technology that substantially improves storage space utilization and ensures cost savings.

## **Backup of Microsoft SQL and Exchange**

Hyper-V Backup Plug-in supports the backup option for Microsoft SQL and Exchange Server. When StarWind Backup Plug-in performs backups of virtual machines, the Hyper-V VSS Writer supported by MS SQL, Exchange, and other applications, ensures the data integrity of backups.

## **Easy to set up and use**

The solution was designed with the word "easiness" in mind, therefore it provides:

- ✓ Single-click setup on a server with the preinstalled Hyper-V role
- ✓ Unified backup policy for the selected storage pool
- ✓ Recovery of any virtual machine within seconds
- ✓ User-friendly interface

\* Purchase of the relevant license is required in order to use the StarWind VMware Backup Plug-in.