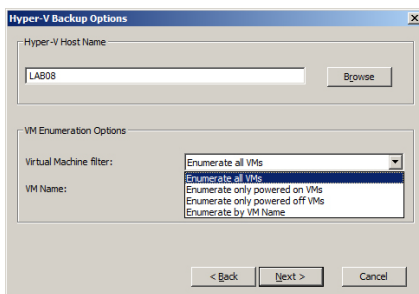
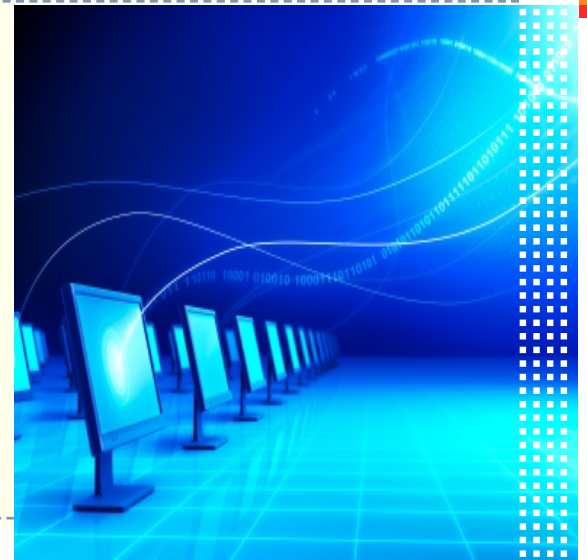


The UltraBac Hyper-V Agent performs centralized virtual machine backups without the disruption and overhead of running backup tasks from inside each VM. Backing up only used space, no matter if it is thin or thick disk, means faster backups and storage space savings. A backup is performed in five simple steps: select the host name; choose the enumeration option; click “Next;” select the VM name; and select the disks to back up simply by clicking them. It is that easy.



Virtual Machine Backup Options

## SPACE SAVER

With just a couple of clicks, users have the ability to choose which disks to back up. Unlike competitive products, the Hyper-V Agent also has the **exclusive ability** to back up only used space, even for fixed disks. Since less data is being backed up the process is faster and it saves on storage space too. Another unique time and space saving feature is the ability to skip backing up pagefile.sys & hiberfil.sys files.

## UNIQUE AND DYNAMIC CONVERSIONS

The Hyper-V Agent is currently the **only** product on the market with the ability to choose the target disk format (VHD or VHDX). The software defaults to the setting “Keep Original Source Disk Format,” however, users have the option to choose VHD or VHDX format. This also means the Hyper-V Agent has the unique ability to perform two-way conversions. A user can back up in VHD disk format and restore in VHDX format with just a single click of a button, and vice versa. Users even have the option to switch between fixed size (thick) and dynamically expanding (thin) disk types on-the-fly during restore. No extra time is needed during the restore process to perform these different types of conversions. Unlike

competitive products where a user must perform a restore, as well as a conversion, the Hyper-V Agent does the conversion for you during the restore process - no other steps are needed.

## AGENTLESS

The Hyper-V Agent allows users to back up virtual machines from one centralized backup server without any additional software. This eliminates having to back up inside a virtual machine. Licensed per socket, the Hyper-V Agent has the ability to protect unlimited VMs.

## FILE LEVEL RESTORES

Users have the option to recover a full VM or an individual file from the same backup. Simply mount the backed up volume(s) as a local driver letter(s) for quick file-level recovery.

## RELIABILITY

Integrated with Microsoft's APIs, the Hyper-V Agent backups are more efficient and recoveries are quicker by eliminating the need for any conversions.

## FAST RECOVERY

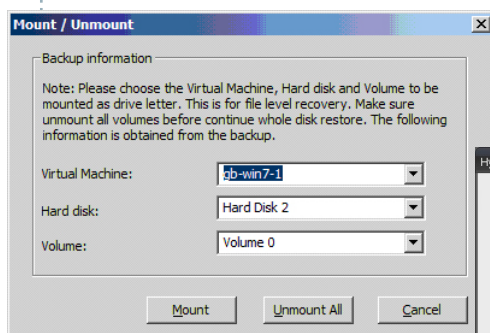
No other framework is necessary. Native integration with UltraBac provides users with the ability to back up virtual machines without additional steps or software. Full backups and restores of VM's hard disks are performed to any local or UNC path. Only one backup is required for image and file-level recovery. In just a few minutes an entire VM can be restored, or an individual file can be recovered from **any** virtualized application.

## EASE OF USE

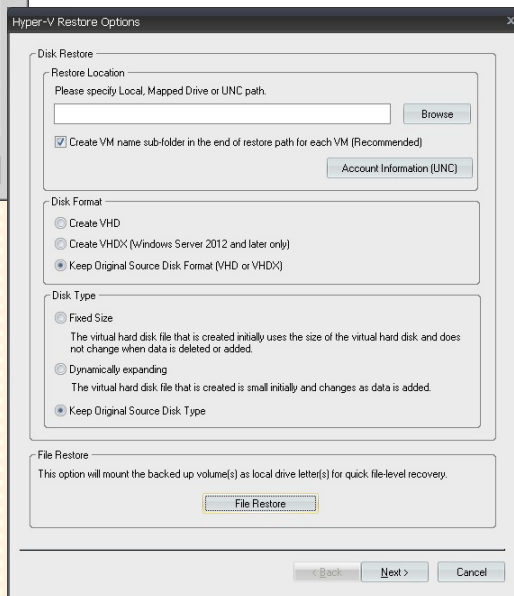
Backups and restores of guest VMs can be performed directly from the Hyper-V host without installing any agents or services. They can also be managed from one centralized location (backup server). These features allow easy administration of all backups and restores.

## EXPERIENCE

UltraBac Software has earned a reputation for providing reliable, fast, and innovative backup & disaster recovery software to organizations of all sizes. The company has been in business over 30 years, with well over 20,000 dedicated customers worldwide who cross the entire spectrum of industry. Their product UBDR Gold was the first Windows backup software to offer physical-to-virtual (P2V) based disaster recoveries, allowing organizations to recover a server and emulate it virtually 100% in as little as 15 minutes. Recovering to a virtual environment is automatic and requires no special setup, pre-configuration, or other considerations. Gold also supports V2V and V2P recoveries, providing users with the **ultimate** in Business Continuity Protection.



*UltraBac has the ability to mount the Hyper-V backup as a local drive letter on the backup machine. This allows users to simply drag and drop files that are needed from the backup.*



*Provides the unique ability to choose which disk format to restore to (VHD or VHDX). Thin or thick disk type may also be chosen, which is a market first. The Hyper-V Agent restore options are shown here.*

## THE HIGHLIGHTS

- » Ability to choose the target disk format (VHD or VHDX).
- » Only virtual software on the market that can perform on-the-fly two-way conversions during restore: can convert VHD to VHDX format, and can convert VHDX to VHD format.
- » During the restore process no extra time is needed for conversions between disk formats.
- » First to Hyper-V market option to choose thin or thick disk before the restore is started.
- » Ability to skip backing up pagefile.sys & hiberfil.sys files to save backup time and storage space.
- » Back up live virtual machines.
- » Back up Hyper-V virtual machines directly using Microsoft APIs.
- » Easy-to-use selection process for choosing which disks to back up.
- » Backs up only used space even for fixed disks – no matter thin or thick.
- » Easy-to-read graphics of virtual machines in the Powered-On and Off states.
- » Back up virtual machines in both the Powered-On and Off states.
- » Full range of backup options: enumerate all VMs, only Powered-On VMs, only Powered-Off VMs, by VM name.
- » File-by-file and image backups are performed in one backup.
- » Mount the image (backed up volumes), on the fly, locally as drive letter(s) for easy file-level recovery.
- » Mount multiple images as drive letter.
- » Optional built-in industry standard AES Encryption.
- » License per socket to protect unlimited virtual machines.

## SUPPORTED ENVIRONMENTS

- » Windows 2008 R2 and above for Hyper-V host machine
- » Any Windows operating system for guest VM
- » Any application