

# Virtual Disk Agent

ULTRABAC  
SOFTWARE

The Virtual Disk Agent (VDA) can be purchased as a stand alone utility, or as an integrated agent with UBDR Gold. When run as a stand alone utility, the VDA can create a native VMware ESX Virtual Machine Disk (VMDK) file or a Microsoft Virtual Hard Disk (VHD) file. When run as a UBDR Gold agent it generates the virtual files while simultaneously performing an image backup of live Windows servers and workstations. Simply put, the agent can independently create either a VMDK or VHD file, or as an integrated agent, also concurrently perform an image backup. The major benefit of this agent is it can create or update a VMware or Microsoft virtual disk file whenever the utility is run – whether on a scheduled or ad hoc basis.



BACKUP AND DISASTER RECOVERY SOFTWARE FOR BUSINESS

## NO CONVERSIONS

The VDA completely eliminates the conversion typically required for a physical-to-virtual (P2V) operation, and automates the process of creating and/or updating standby virtual machines. For Windows users Hyper-V is not required; the VDA can create a VHD to a local disk or to a UNC path. Windows 7/8 & Server 2008 R2/2012 users can always have an up-to-date virtual machine for dual boot capability, which can also be mounted in several clicks through “My Computer” for fast drag & drop operations. For VMware users, the VDA writes a VMDK file directly to an ESX\* datastore. \*Please note: vSphere Essentials (and above), as well as GSX is supported. The VDA does not support ESXi free edition due to licensing limitations set by VMware.

## AUTOMATIC UPDATES

Differential & incremental updates are performed inside the VMDK or VHD file. After a full backup initially creates the virtual disk file, subsequent differential or incremental image backups written to the same location automatically update **ONLY** the changed blocks of the last full VMDK or VHD file. The major benefit is that very large partitions, or even entire disks, can have their off-line virtual backup files quickly updated using incremental or differential backups.

## PARTITION OPTIONS

Choose one or choose multiple partitions/disks in a single backup job to create VMDKs or VHDs.

## FAST DISASTER RECOVERY

The virtual disk file is ready for use as soon as the backup is completed – simply attach the VMDK or VHD and boot. All necessary P2V conversions have already been completed.

## DISK AND PARTITION SUPPORT

Basic and dynamic disk types are supported. Partition types supported: primary, extended, logical, and simple volumes.

## CREATE STANDBY VIRTUAL MACHINES

Whether licensed as a stand alone utility or integrated agent, users have the option to create and maintain up-to-date VMware or Microsoft virtual disk files without performing image backups. Being able to create a VMDK or VHD file without concurrently performing an image backup is beneficial to users who want fast, cost effective basic P2V conversions, or who need to maintain standby virtual machines for immediate virtual recovery.

## DUAL BOOT FUNCTIONALITY

Windows 7/8 and Server 2008 R2/2012 users can schedule a VDA operation that creates a VHD file of their OS partition to local disk or UNC path, and then keeps it updated through incremental or differential backups. For dual boot functionality, the VHD must be on a local disk. To activate, an administrator need only run BCDedit, enter the VHD location, and then save to update the system boot file. This is all it takes to enable the option to boot off the VHD file. UltraBac’s ability to create and keep a VHD file up-to-date through regular backups literally enables immediate disaster recovery repair capability should the regular OS partition (such as the C: drive) become unbootable. Hyper-V is **not** required.

## DRAG AND DROP FILES

Windows 7/8 and Server 2008 R2/2012 users can easily attach a locally or UNC stored VHD file from Disk Management. Server 2012 users can attach it by simply right clicking from “My Computer” to add it as a new disk. This gives almost instant retrieval capability by allowing quick drag and drop of files, directories, and/or partitions from the attached VHD. Because the VDA can create and keep a VHD file updated on a regularly scheduled basis, the requirement to perform a traditional restore operation for files, directories, and/or partitions can be completely eliminated.

## SPACE SAVER

Save ESX storage space by allocating and committing VMDK disk space on demand (Thin Provisioning).

## EASE OF USE

A straightforward scheduler is used to program backup jobs.

## THE VIRTUAL DISK AGENT IS AVAILABLE NOW!

Call today 425.644.6000, toll free in the U.S. 1.866.554.8562, or email [sales@ultrabac.com](mailto:sales@ultrabac.com).



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