

VMware/UltraBac Notes

UB v8.3 works with VMware - the user needs (1) copy of UBDR Gold for each physical or virtual server.

UB v9.0 VCB Agent works with VMware and VMvcb infrastructure Framework client installed. Installation requires 1xUB Engine and 1xUB-VCA charged per VM CPU socket purchased from VMware. The UltraBac VMware Consolidated Backup Agent gives users the ability to back up their virtual machines without installing any agent on those machines, and from on central location.

VMware options:

- **VMware Virtual Server2 (aka GSX)** - Installed on a Windows Server
- **ESX** - Installed on a Unix/Linux Server
- **ESXi** – Free version from VMware -The UB VCB agent (UB-VCA) does NOT work with this version as VMware does not provide the VCB framework.

The **UltraBac VMware Consolidated Backup (VCB) Agent** provides VMware users a centralized backup solution for all guest machines – it does not require software to be installed locally. Utilizing VMware's snapshot technology ensures that the system is backed up in a clean state. Administrators can select either a **FileVM** or **FullVM** backup operation. Users have the ability to choose which virtual machines (VMs) to backup while performing a FullVM. For FileVM backups, users have the granularity to select machines, folders and files. Additionally, FileVM backups can be easily restored either to the original virtual machine or to a local system. In simple terms, the agent provides customers using VMware with a centralized solution to easily backup all virtual hosts in one operation. The UltraBac VCB Agent (UB-VCA) is an add-on option for v9.0. It also requires the VCB framework distributed by VMware.

- VMware VCB has a file backup (**FileVM**) capability which can backup Windows guests only.
- VMware VCB has an Image (**FullVM**) capability which can backup Windows and Unix guests.

VMDK File Backup – UBDR Gold v5.0 has the ability to simultaneously create a VMware ESX or GSX Virtual Machine Disk (VMDK) when performing an image backup. Concurrently creating an ESX or GSX VMDK file during a Windows image backup is a first in the industry. This greatly simplifies a disaster recovery by eliminating the conversion required by a typical P2V operation. From a competitive standpoint, all other P2V migration and disaster recovery utilities that we are familiar with still require a multiple step process.

With Gold 5.0, a UBDR Gold P2V migration or disaster recovery can take less than three minutes after the backup completes because no additional processing is required. All VMware disks, partitions, and file types are supported. Thus the UBDR Gold 5.0 eliminates any potential conversion issues because a VMDK file can be universally read as if it were a physical disk within every VMware environment.

The new VMDK feature will be free until Dec 31, 2009.