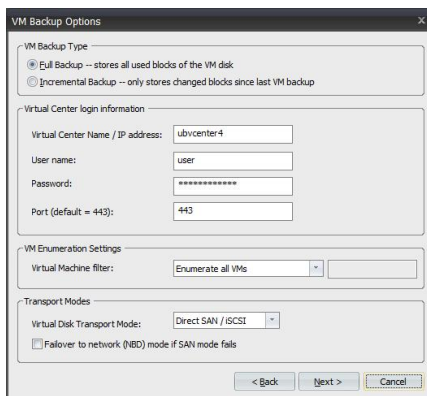


The vSphere Agent performs centralized virtual machine backups without the disruption and overhead of running backup tasks from inside each VM. Changed Block Tracking (CBT) reduces the backup window and provides amazing restore speeds. The agent's ability to perform these incremental backups of virtual disks allows VM images to be updated every few minutes and recovered to a specified point-in-time.



Virtual Machine Backup Options

AGENTLESS

The vStorage APIs are directly integrated with UltraBac, enabling the agent to back up virtual machines without requiring additional software. Licensed per socket, the vSphere 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.

CHANGED BLOCK TRACKING

CBT keeps track of the blocks of a virtual disk that have changed since a certain point-in-time. The vSphere Agent uses this feature to back up only the changed blocks of a virtual disk (incremental backups) since the last backup. This means faster backups, plus the ability to update VM images every few minutes if desired. Best of all, by taking a full snapshot of the VM and then running incrementals as often as required, the user can simply select the incremental from the time they wish to restore the VM and the vSphere Agent takes care of the rest. It then restores for **100% point-in-time recovery**, saving customers time and money.

RELIABILITY

The vSphere Agent uses VMware's vStorage API for data protection (VADP) solution to backup and restore the guest VM's data in the native format. 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 and incremental image backups and restores of VM's hard disks are done directly to and from the datastore. 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 can be performed from one centralized location (backup server). No agents or services are necessary inside guest VMs. These features allow administrators to easily manage all backups and restores.

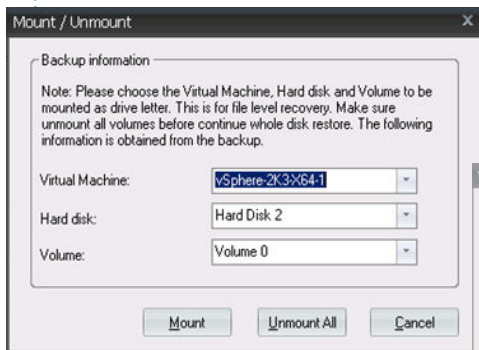
SPACE SAVER

Off-host centralized backup removes the burden from vSphere hosts by consolidating the backup load and management onto a central backup server.

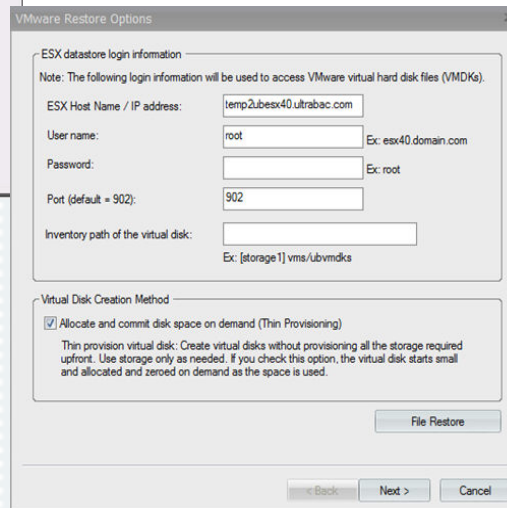
EXPERIENCE

UltraBac Software has earned a reputation for providing reliable, fast, and innovative backup and disaster recovery software to organizations of all sizes. The company has been in business almost 30 years, with well over 20,000 dedicated customers worldwide who cross the entire spectrum of industry and computer user. UltraBac backup and disaster recovery software was first introduced to market in 1995 and it, as well as all of its other products, was designed from the ground up for the Microsoft® Windows commercial operating system. This foundation created the smallest, tightest performing backup products in the market today.

UBDR Gold was the first Windows backup software to offer physical-to-virtual (P2V) based disaster recoveries. This allows 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 vSphere 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 ability to restore a full vSphere backup to an ESX datastore. The vSphere Agent restore options are shown here.

THE HIGHLIGHTS

- » Backup VMware virtual machines directly using vStorage APIs and Changed Block Tracking (CBT).
- » Full and incremental block level backups are supported.
- » Backup (full and incremental) virtual machines in both the Powered ON and OFF states.
- » File-by-file and image backups are performed in one backup.
- » All disk types (Basic, Dynamic, and GPT) are supported.
- » Mount the image (backed up volumes) locally as drive letter(s) for easy file level recovery.
- » Restore VMDK files directly to ESX Datastore for disk level recovery.
- » Point-in-time restore is built-in; simply choose the last incremental backup to start the restore.
- » Option to choose VMware thin or thick disk before the restore is started.
- » License per socket to protect unlimited virtual machines.

SUPPORTED ENVIRONMENTS

- » vSphere 4.x
- » ESX 4.x
- » Paid ESXi 4.x versions
- » vCenter Server 4.x
- » All Windows operating systems supported by VMware
- » All VMware supported storage infrastructures: SANs, iSCSI, NFS, FibreChannel SANs, Direct Attached Storage
- » Any application
- » Any file system