

### Citrix XenServer: Virtualized Backup and Recovery

**PHD Virtual Backup 5.1 for Citrix XenServer** is built on the next generation of PHD Virtual’s award winning VBA™ architecture and extends our XenServer virtualization backup and recovery solution with new robust backup and recovery capabilities. PHD Virtual Backup provides:

- Fastest, most cost effective virtualization backup to meet RPO, RTO and SLA requirements
- Dramatically reduced storage requirements and efficient network based backup
- The most reliable solution for backup data integrity
- Seamless, integrated management of backup and restore directly from Citrix XenCenter
- Backup and recovery of XenApp and XenDesktop deployments on XenServer
- Completely virtualized solution footprint leveraging the PHD VBA™ (Virtual Backup Appliance)



**PHD VBA™ Architecture** enables backup and recovery to be deployed as a virtualized workload directly on the XenServer platform. This evolutionary approach delivers high performance data protection that seamlessly scales for large and distributed deployments. Unlike alternative solutions, PHD Virtual Backup removes the need to deploy and manage a separate physical server, additional hardware or software agents for backup and recovery of your XenServer environment.

- Purpose built for XenServer environments and integrated with XenCenter
- Backs up running or powered down VM’s and VM Templates
- Does not compromise hypervisor performance or impact Dom0
- Does not require dedicated proxy servers, additional hardware or software agents

### Key Features and Benefits

#### Simple to Deploy & Easy to Use

Setup is as simple as installing the PHD Virtual Backup plug-in, deploying the virtual backup appliance and configuring the backup target. Backup and restore job configuration is done through simple and intuitive wizards.

#### XenCenter Management Integration

The XenCenter plug-in included with PHD Virtual Backup provides “single pane of glass” management of virtual machine backup and restore directly from the XenCenter management console. A simple right-click in XenCenter allows you to start the VM backup and restore wizards and view job status, history and backup schedules through the PHD Console. (Figure A)

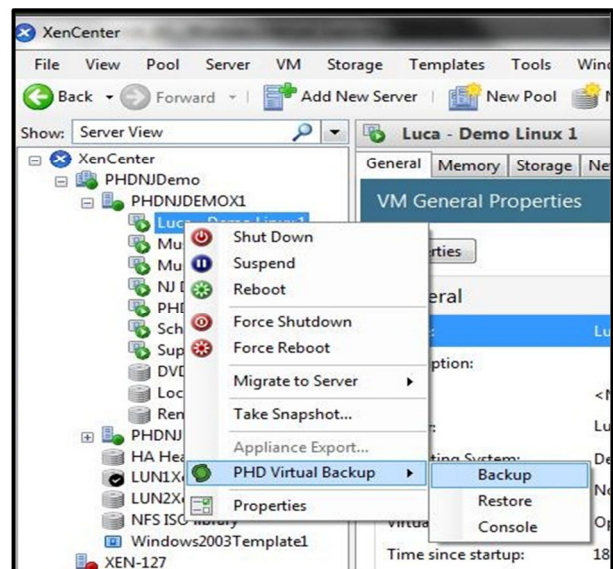


Figure A: XenCenter Plug-in

### Reduce Storage Requirements and Optimize Network Backup with TrueDedupe™ Technology

PHD's patent pending technology features source side data de-duplication and compression. De-duplication and compression occur before data leaves the host, reducing network impact and providing an ideal solution for backup over distributed networks and WAN environments. ***PHD customers regularly achieve an average dedupe ratio of 25:1 reducing ongoing backup storage requirements by more than 96%.***

### Restore with Confidence with TrueRestore™ Technology

Provides increased confidence in your ability to restore from backup. Data integrity is checked during both the backup and restore processes, ensuring the restored VM data matches the original source data.

### Backup and Restore Faster to meet RPO and RTO

Supports multiple concurrent backup and restore streams enabling you to meet your backup window, RPO and RTO requirements. Backup and restore streams are user configurable from 1-4 streams per VBA™.

### Flexible Backup Storage Options – *New in 5.1*

Backup virtual machines to local, SAN or network attached storage.

### Set It and Forget It Job Scheduling – *New in 5.1*

Backup jobs can be assigned to defined containers (representing hosts, resource pools, folders...). Any VM in a container or later added to a container will automatically be backed up based on job settings. For flexibility, specific VM's in a container can be set to be excluded from backups.

### File Level Recovery (FLR) Any OS, Any File System – *New in 5.1*

Quickly restore individual files and folders without the need to restore the entire virtual machine image.

### Application Object Recovery – *New in 5.1*

Use your existing recovery tools to quickly restore application objects (database object, mailbox, mail message, etc.) directly from backup storage.

### Supports Tape Backup Solutions – *New in 5.1*

Backup Data Connector enables quick and easy integration with tape backup solutions.

### Scalable and Fault Tolerant Deployment

Distributed architecture minimizes single point of failure. Multiple VBA's can be configured to support backup across large and distributed environments.

### Backup Retention and Archiving – Meet Your DR Objectives and Retention Policies – *New in 5.1*

Define and configure flexible retention policies for storing VM backups. Flexible trim options can automatically remove old backups based on customizable policies. Archiving provides the ability to mark specific backups for archive to exclude them from being deleted by the retention policy. Archive can be set at the job level for increased flexibility.

### Additional Feature Highlights:

Flexible Job Scheduling

Support for Thin Provisioned Disks

Application Backup Integrity through Windows VSS

Export VM from Backup Storage

Configurable Compression (On/Off)

E-mail Notification

Backup Storage Free Space Warnings

Distributed Virtual Switch Support

Supports all Operating Systems Supported by XenServer



**For more information contact a PHD Representative today!**

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