

PHD Virtual Backup for Citrix XenServer

Release Notes

August 2010 / v5.0.0

This document provides an overview of the changes made to PHD Virtual Backup for the 5.0 release. It contains system requirements, new features, changes, and fixes for the latest version of the product as well as information about each product update.

PHD Virtual Backup requires the following installation components:

- PHD Virtual Backup MSI (installs the plug-in for XenCenter and PHD Virtual Backup Console)
- PHD Virtual Backup Appliance XVA file

To download the latest version:

- **New customers:** visit PHD Virtual's web site (www.phdvirtual.com) and register to download the latest version.

For installation and configuration information, refer to the latest documentation included with the installation package or on the [PHD Virtual web site](#).

System Requirements

The following requirements must be met to install and run PHD Virtual Backup for Citrix XenServer.

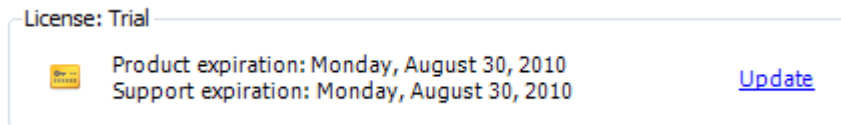
Table 1 - PHD Virtual Backup System Requirements

PHD Virtual Backup plug-in (for integrated XenCenter menus)	XenCenter 5.5 or 5.6 Note: PHD Virtual Backup is supported on XenCenter 5.5 when running on 32-bit Windows platforms, only. XenCenter 5.5 on 64-bit Windows platforms is not currently supported. See Release Notes, " Known Issues " (on page 5) (DCK-178). PHD Virtual Backup is supported on XenCenter 5.6 when running on 32-bit and 64-bit Windows platforms.
PHD Virtual Backup Appliance	XenServer 5.5.x or 5.6.x 1 GB free space on local or shared storage is required for the appliance virtual disk. Additional free space is required for the attached virtual disk that will be used to store backups. Due to data deduplication and compression, the storage disk should be, at a minimum, equal to the total size of the VM data you would like to back up. For example, if you have 500 GB of virtual machines, you should allocate at least 500 GB of storage. This should allow, on average, one month of stored backups. If needed, the size of the attached disk used for storage can be increased by shutting down the appliance and growing the disk within XenCenter.
PHD Virtual Backup Console	Windows XP, Windows Server 2003, Windows 7, Windows Server 2008 or Windows Vista, with .NET framework version 2.0 or above installed.

Note: In addition to the integrated menu, the PHD Virtual Backup Console can be launched as a stand-alone application from the Windows Start Menu.

PHD Virtual Backup Licensing

PHD Virtual Backup is installed with a trial license. The currently installed license information is displayed on the General tab of the PHD Virtual Backup Console's Configuration area.



The **Product expiration** date displays when the PHD Virtual Backup trial license expires. This does not apply to purchased licenses. After the product expiration date, you must import a new license to use the product.

The **Support expiration** date displays when your support subscription expires. A current support subscription is required to receive support from PHD Virtual and to install product upgrades.

To upload a new license file

1. Open the PHD Virtual Backup Console to the **Configuration** page and select the **General** tab.
2. Use the drop-down menu at the top of the page to select the PHD Virtual Backup Appliance to update.
3. In the **License** section, click **Update**.
4. Select your license file and click **Open**.
5. The Appliance must be restarted after the license is applied. Click **Yes** to restart the Appliance.

The license information is updated to reflect when your new license will expire.

Note: Apply updated licenses to each PHD Virtual Backup Appliance you have deployed. Use the drop-down menu at the top of the Configuration page to select each appliance to update.

Updates

5.0.0 - August 2010

PHD Virtual Backup Console

- Installed via an MSI, the PHD Virtual Backup plug-in enables integrated menus for backup and restore within XenCenter as well as the PHD Virtual Backup Console.
- The PHD Virtual Backup Console can be accessed from within XenCenter or as a stand-alone application using the Windows Start Menu.
- Use the PHD Virtual Backup Console to monitor job progress and storage space available including deduplication statistics and information about each PHD Virtual Backup Appliance running in your environment.
- Create scheduled jobs that run once, daily or weekly.
- Create backup and restore jobs right away with the Backup and Restore wizards.
- The console and wizards each include comprehensive context-sensitive online help.
- Browse a catalog of all backups and quickly find VMs to restore using the available views.
- Download support logs for the console or appliances.
- Configure Trim settings to manage the number of backups stored for each VM.

PHD Virtual Backup Appliance

- Deployed like any other VM from an XVA file.
- After adding a virtual disk for storage and saving your XenServer credentials, the appliance is ready to perform backups and restores.
- Backup and restore processing takes place within the VBA without needing to be loaded into or directly accessing Dom0.
- Backup or restore up to 4 virtual disks simultaneously with each PHD Virtual Backup Appliance you deploy.
- Each appliance can backup and restore VMs on any host within the XenServer resource pool. Deploy an appliance to each pool that contains VMs you want to protect.
- Store backups on local or shared storage using an attached virtual disk which can be increased to accommodate additional storage, as needed.
- Virtual Backup Appliances use compression and patent-pending source-side deduplication when storing backup data.
- **Note** Powered off appliances are not displayed in the PHD Virtual Backup Console.

Known Issues

Problem A virtual machine restored with no disks, but the restore reported as successful. (DCK-174)

Workaround Make sure the storage volume the VM disks are restored to is available when the restore is performed.

Problem Jobs History does not sort properly when some Region formats are used. (DCK-172)

Workaround Change the Region format to another value, for example, English (United States) then close and open the PHD Virtual Backup Console.

Problem After updating the PHD Virtual Backup license, the license information is not updated within the Configuration, General tab of the PHD Virtual Backup Console. (DCK-162)

Workaround Click the refresh button to the right of the Select Appliance drop-down menu to refresh the license information.

Problem The Backup Wizard, View by: Pool View displays multiple VMs with the same name. (DCK-132)

Workaround The Pool View displays all VMs within the pool, regardless of the host each VM may be on. If duplicate names are used within XenCenter, when the Pool View is selected in the Backup Wizard, the VMs may appear as duplicates, when in fact they are not. Use unique VM names when creating VMs within XenCenter.

Problem PHD Virtual Backup Console does not function properly when running XenCenter 5.5 on a Windows 64-bit operating systems. (DCK-178)

Workaround Upgrade to XenCenter 5.6 or if use a 32-bit Windows operating system when running XenCenter 5.5.

Problem When no virtual networks are configured to be automatically added to new VMs, the Restore Wizard fails at the Network step.

Workaround Make sure XenCenter is configured with at least one virtual network that is automatically assigned to new VMs.

Problem XenCenter role permissions are not honored by PHD Virtual Backup.

Workaround PHD Virtual Backup does not currently support XenCenter roles.

Problem Internal networks are unavailable for selection in the Restore Wizard when restoring VMs. (DCK-186)

Workaround Within XenCenter, configure a non-internal network that is added to new VMs automatically. After the VM is restored, you can then change the network within XenCenter to an internal network.

Problem The PHD Virtual Backup Appliance VM console in XenCenter displays free storage rounded down to the nearest whole number. (DCK-187)

Workaround The console display rounds down to the nearest whole number, for example, if you have 1.5 TB available, it is displayed as 1 TB, but the PHD Virtual Backup Console will display the actual amount of storage available. Use the PHD Virtual Backup Console to view the free storage available.

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