vmware®

Backup Software Compatibility
For ESX Server 3.0.x

Last Updated: August 8, 2008

NOTE   **Moved ESX Server 3.5 and ESX Server 3i information to Backup Software Compatability for ESX Server 3.5 and ESX Server 3i**

What's New

Changes since the last edition of this guide include:

- Added support for ESX Server 3.0.3.

- Added support for EMC Networker v 7.4 SP1. See "Supported backup software," on page 3.

- Added support for IBM Tivoli Storage Manager v 5.5. See "Supported backup software," on page 3.

Introduction

Data residing within VMware virtual machines can be backed up using several different approaches:

- **You can use VMware Consolidated Backup**. See the *Virtual Machine Backup Guide* for Virtual Intrastructure 3 for more information.
  VMware has produced sample integrations to the following backup software products:

    EMC NetWorker

    Symantec Backup Exec

    Tivoli Storage Manager

    Veritas NetBackup

  For more information, or to download these products, please visit the VMware Drivers and Tools download site at **http://www.vmware.com/download/vi/drivers_tools.html**

  In addition, many other partners have produced integrations to their own products. Included in that list are:

    CA Brightstor ArcServe

CommVault Galaxy (Details at: **http://www.commvault.com/solutions/vmware/**)

EMC Avamar (Details at: **http://software.emc.com/products/backup_recovery/backup_vmware.htm**)

HP Data Protector v5.5 and v6 (Details at: **http://h20000.www2.hp.com/bizsupport/TechSupport/ SoftwareDescription.jsp?lang=en&cc=us&swItem=co?47153?2&jumpid=reg_R1002_USEN**)

Vizioncore vRangerPro: (Details at: **http://www.vizioncore.com/vrangerpro.html**)

Other vendors, as well as those listed above, may produce their own integrations. For more information on other integrations, contact the backup utility provider.

- You can run backup clients from within a virtual machine performing file-level or system-level backups. As long as you are backing up over the network, no compatibility guide is needed.

- You can run backup clients' agents from the ESX Server Service Console, backing up virtual machines in their entirety as `.dsk` and/or `.vmdk` files residing in the ESX Server host VMFS file system. See the table on the following page for more information.

- You can back up virtual machine data by running a backup server within a virtual machine that is connected to a tape drive or other SCSI-based backup media attached to the physical system. Before you begin, take note of the following restrictions:

  - VMware supports attaching SCSI drives to the ESX Server using Adaptec SCSI adapters. Using other adapters, such as LSI MPT-Fusion SCSI, is not supported.

  - If you are using a tape drive library (versus using a stand-alone tape drive), the library must be multi-target, and not multi-LUN.

  - Set the tape drive's virtual target ID in the virtual machine's configuration to be the same as the physical target ID.

These approaches are discussed in the *Using VMware® ESX Server System and VMware Virtual Infrastructure for Backup, Restoration, and Disaster Recovery* white paper: **http://www.vmware.com/pdf/esx_backup_wp.pdf**. VMware has tested specific backup packages for use in each of these situations.

If you are having a technical issue with 3rd party HW/SW and it is not found on this list, please refer to our 3rd Party HW/SW support policy at **http://www.vmware.com/ support/policies/ThirdParty.html**.

Tested Backup Software Compatibility

The following table shows the latest backup software versions that are used for ESX Server 3.x backup testing marked. Earlier backup software versions may be tested by the vendor on a self-certify basis shortly after the release of ESX Server 3.x.

This is not an exhaustive list of all backup software packages and versions that are compatible with ESX Server software, but it represents those packages that VMware or its partners have tested with the current release of ESX Server software.

Table 1. Supported backup software

	ESX Server							
	3.0		3.0.1		3.0.2		3.0.3	
	Backup Client running within service console	Backup Server running within VM	Backup Client running within service console	Backup Server running within VM	Backup Client running within service console	Backup Server running within VM	Backup Client running within service console	Backup Server running within VM
CA BrightStor ARCServe r11	X	X[1]	X	X[1]				
CA BrightStor ARCServe r11.1	X	X[1]	X	X[1]				
CA BrightStor ARCServe r11.5	X	X	X	X				
CA BrightStor ARCServe r11.5 SP1					X	X	X	X
Commvault Galaxy v 5.9	X	X	X	X				
Commvault Galaxy v 6.1	X	X	X	X				
Commvault Galaxy v 6.1 SP4					X	X	X	X
EMC Networker v 7.0	X	X	X	X				
EMC Networker v 7.1.x	X	X	X	X				
EMC Networker v 7.2[2]	X	X	X	X				
EMC Networker v 7.3[2]	X	X	X	X				
EMC Networker v 7.3.2 JumboUpdate1					X	X	X	X
EMC Networker v 7.4 SP1							X	X

[1] Before BrightStor ARCServe and Backup Exec server can perform backups on the service console, you must first execute the following command:
```
grep vmfs /proc/mounts >> /etc/mtab
```

[2] Before installing this software, you must download and install the backup enabler for the product. Download the enabler from: http://www.vmware.com/download/vi/drivers_tools.html.

[3] Supported with Agent in the Service Console only.

Table 1. Supported backup software (Continued)

| | ESX Server | | | | | | | |
| | 3.0 | | 3.0.1 | | 3.0.2 | | 3.0.3 | |
	Backup Client running within service console	Backup Server running within VM	Backup Client running within service console	Backup Server running within VM	Backup Client running within service console	Backup Server running within VM	Backup Client running within service console	Backup Server running within VM
EMC/Avamar Axion v 3.7.1.80[3]			X	X	X		X	
HP Data Protector 5.5	X	X	X	X	X	X	X	X
HP Data Protector 6.0	X	X	X	X	X	X	X	X
Symantec Backup Exec 10.0	X	X	X	X				
Symantec Backup Exec 10d	X	X	X	X				
Symantec Backup Exec 11d	X	X	X	X	X	X	X	X
Tivoli Storage Manager v 5.3	X	X	X	X				
Tivoli Storage Manager v 5.3.3					X	X	X	X
Tivoli Storage Manager v 5.5							X	X
Veritas Netbackup 5.0	X	X	X	X				
Veritas Netbackup 5.0 MP4	X	X	X	X				
Veritas Netbackup 5.1	X	X	X	X				
Veritas Netbackup 5.1 MP2	X	X	X	X				
Veritas Netbackup 5.1 MP3	X	X	X	X				
Veritas Netbackup 6.0	X	X	X	X	X	X	X	X

[1] Before BrightStor ARCServe and Backup Exec server can perform backups on the service console, you must first execute the following command:

```
grep vmfs /proc/mounts >> /etc/mtab
```

[2] Before installing this software, you must download and install the backup enabler for the product. Download the enabler from:
http://www.vmware.com/download/vi/drivers_tools.html.

[3] Supported with Agent in the Service Console only.

Disclaimer

THIS CONTENT IS PROVIDED "AS-IS," AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, VMWARE DISCLAIMS ALL OTHER REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS CONTENT, INCLUDING THEIR FITNESS FOR A PARTICULAR PURPOSE, THEIR MERCHANTABILITY, OR THEIR NONINFRINGEMENT. VMWARE SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS CONTENT, INCLUDING DIRECT, INDIRECT, CONSEQUENTIAL DAMAGES, LOSS OF BUSINESS PROFITS OR SPECIAL DAMAGES, EVEN IF VMWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.