vmware®

Backup Software Compatibility for ESX Server 3.0 RC

Introduction

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

1. Use VMware Consolidated Backup—See the *VMware Backup Guide: ESX Server v3 and VirtualCenter v2.x* for more information.

    VMware has produced sample integrations to the following backup software products:

    *   Veritas NetBackup
    *   Legato NetWorker
    *   Tivoli Storage Manager
    *   Symantec Backup Exec

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

2. 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.

3. 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.

4. 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 ESX Server *Backup Planning* tech note. VMware has tested specific backup packages for use in each of these situations.

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

RC

vmware®

ESX Server Software 3.0

The following table shows the latest backup software versions that are used for ESX Server 3.0 backup testing marked with an X. A **P** indicates that the backup software is planned for future testing by either VMware or its partners. VMware cannot guarantee that each of these items will be supported at the time of final release. Please contact your backup vendor or VMware representative for a detailed time line.

Earlier backup software versions may be tested by the vendor on a self-certify basis shortly after the release of ESX Server 3.0.

	Backup Client running within service console	Backup Server running within VM
Veritas Backup Exec 10.0	X	X
Veritas Backup Exec 10d		X
Veritas Netbackup 5.0	X	X
Veritas Netbackup 5.0 MP4	X	X
Veritas Netbackup 5.1	X	X
Veritas Netbackup 5.1 MP2	X	X
Veritas Netbackup 5.1 MP3		X
Veritas Netbackup 6.0	X	X
Tivoli Storage Manager v 5.2.1	X	X
Tivoli Storage Manager v 5.2.3	X	X
Tivoli Storage Manager v 5.3	X	X
Legato Networker v 7.0	X	X
Legato Networker v 7.1.x	X	X
Legato Networker v 7.2	X	X
Legato Networker v 7.3	X	X
CA BrightStor ARCServe r11	X	X [1]
CA BrightStor ARCServe r11.1	X	X [1]
CA BrightStor ARCServe r11.5	X	X
Commvault Galaxy v 5.9	X	X
HP DataProtector 5.5	**P**	**P**
X indicates software versions tested for ESX Server 3.0 backup testing.		
P indicates software versions planned for ESX Server 3.0 backup testing.		

Notes

[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
```

RC