

Proven Practice: Integrating Tivoli Storage Manager 5.5 with VCB 1.1

Metadata

Title	Proven Practice: Integrating Tivoli Storage Manager 5.5 with VCB 1.1	
Version	VMware 07/AUG/2008 1.0	
Author	[vmware.gif	<p>servlet/JiveServlet/ downloadImage/102-1075-2- 1067/vmware.gif]</p> <p>VMware (NYSE: VMW) is the global leader in virtualization solutions from the desktop to the data center. Customers of all sizes rely on VMware to reduce capital and operating expenses, ensure business continuity, strengthen security and go green. With 2007 revenues of \$1.33 billion, more than 120,000 customers and nearly 18,000 partners, VMware is one of the fastest-growing public software companies. VMware is headquartered in Palo Alto, California, and on the Web at www.vmware.com.</p> <p>Chris Skinner ccskinner@vmware.com</p>

Tags	availability backup TSM_5.5 VCB vmware_consolidated_backup	
Location	The specified document was not found.	
Context	<p>Instead of installing backup agents in all of our guests and backing up over the LAN, we prefer to use VCB with our chosen backup provider in LAN-free mode.</p> <p>VMware Consolidated Backup enables the LAN-free operation by providing access to the VMDKs and quiescing guest disk operations to provide a clean backup, but you still need backup software to read the mounted disk and back it up.</p> <p>In our case we use TSM 5.5</p>	
Actors	VMware Certified Professionals, Storage Management / Sysadmin / Operations / Backup experts	
References	TBD	
Outline	<ol style="list-style-type: none"> 1. Install Tivoli Storage Manager on the VCB server 2. Installing IBM TSM Client on the VCB Proxy Server 3. Configuring Tivoli Storage Manager 4. Configuring the Tivoli Storage Manager Client Node 	

	<ol style="list-style-type: none">5. Configuring the TSM Backup-Archive Client6. Configuring the TSM VCB Integration Module7. Adding the TSM Client to a Server Schedule8. Creating a Backup Job for VCB9. Configuring Pre/PostSchedule Commands10. Specifying the Backup Directories11. Restoring a Virtual Machine from a TSM Backup12. Configuring Unix Services for Windows13. Configuring the ESX host for vcbRestore from Windows NFS	
Disclaimer	<p>You use this proven practice at your discretion. VMware and the author do not guarantee any results from the use of this proven practice. This proven practice is provided on an as-is basis and is for demonstration purposes only.</p>	

How to use this proven practice

This paper documents the steps to successfully integrate IBM's Tivoli Storage Manager (TSM) with VMware's Consolidated Backup Framework. Additionally, instructions on how to use Microsoft's services for Unix to run vcbRestore from the Service Console without first having to copy the backup files to the Service Console by creating an NFS share on the

Windows machine. Trial versions can be obtained from IBMs web site. Some of the text was extracted from the integration module help files.

This document assumes the following configuration:

- VirtualCenter 2.5
- ESX 3.5
- VCB 1.1 proxy server
- IBM Tivoli Storage Manager 5.5
- Windows Services for Unix 3.5.

See the attached PDF for the detailed steps.