INNOVATIVE DATA PROTECTION

Uptime is money, and when mission-critical systems are offline, every second counts. Despite this obvious fact, many companies fail to execute server restores quickly because they do not appreciate the complexity of the task until the time comes. Too often companies spin their wheels simply trying to get systems to the point where restores can begin. Precious time is wasted installing operating systems and configuring hardware, or chasing down the people skilled enough to perform these complicated tasks, or both. Because server restores can be very stressful to the individuals involved, inevitably mistakes are made, jeopardizing the integrity of the restore or even forcing the process to be restarted. As the number of servers grows, the impacts of these challenges increase exponentially.

VERITAS NetBackup Bare Metal Restore™ software is designed to automate and streamline the server recovery process, making it unnecessary to manually reinstall operating systems or configure hardware. With simple commands, complete server restores can be accomplished in a fraction of the time without extensive training or tedious administration. One solution addresses the demands of a variety of platforms, helping to eliminate the need for customized restore procedures on each platform. Server restores will be faster, easier and more successful, getting your business back online as soon as possible.

PRODUCT HIGHLIGHTS

• NEW! NetBackup Integration — For the first time, Bare Metal Restore is delivered as a NetBackup option rather than as a separate product. Bare Metal Restore operations can now be done via the NetBackup graphical user interface. In addition, other critical components such as licensing, installation, and logging are now integrated with the core NetBackup product to provide a seamless experience.

• Fully Automated System Recovery — With a single command, server recovery steps are executed automatically with almost no user intervention. There is no longer a need to have multiple tools per operating system. Bare Metal Restore works the same way regardless of the platform, no longer are multiple tools per operating system.

• Dissimilar System Restore for Windows — Integrated feature enables recovery to target Windows systems with completely different hardware configurations, including different network interface adapters, mass storage devices, video adapters, motherboards, and CPU quantities and types. Supports migration to systems from a different hardware vendor.

• External Procedures – Insert custom scripts, within the restore process, to help automate operations, such as recovering a database or application.

• Point-in-Time Restore – Restore systems back to the point of the last successful backup – full or incremental – or to previous backup images.

• Restores Machine Configuration — Details about the disk configuration and TCP/IP settings are automatically recorded and updated during every scheduled backup, ensuring recovery to the precise pre-failure state of all system configurations.

• Rapid-Fire Recovery — Execute multiple server restores in parallel to accomplish mass-recovery.

• NEW! Support for Windows as a BMR Server — Recover an all Windows environment using one common interface and the same basic procedure.

• NEW! Support for Linux as a BMR Client— Recover Linux systems using one common interface and the same basic procedure.

• ENHANCED! Support for VERITAS Storage Foundations on HP-UX, AIX, and Windows.
How it Works

Bare Metal Restore software works together with NetBackup software. Your clients are still backed up to NetBackup servers as before, but an additional procedure is automatically executed before every scheduled backup to record the current state of the machine configuration, including the disk layouts and TCP/IP configuration. If changes are made to a machine’s configuration, these changes are automatically captured and recorded at the next scheduled backup without any user intervention.

Recovering a server with Bare Metal Restore software is easy and automated. Recovery begins when the user issues the “Prepare to Restore” command either by using the command line on the Bare Metal Restore server or by using a simple, browser-based interface. Bare Metal Restore software immediately retrieves the client’s configuration data, uses that data to create a customized client recovery procedure and then directs the client to the appropriate boot images and file systems over the network.

The client then boots from a prepared boot server and starts running the customized boot procedure, which performs the following tasks:

- Mounts necessary file systems from the file server
- Configures disks, logical volumes, & file systems
- Issues commands to NetBackup software to restore files using a NetBackup server, including the operating system, configuration data, applications and user files

After these tasks are complete, the client configures the boot record and configuration database, reboots itself and comes back up.

System Requirements

- VERITAS NetBackup Enterprise Server or Server
- Supported Bare Metal Restore Server Platforms: IBM AIX, HP-UX, Sun Solaris, Microsoft Windows, or Linux
- Supported Bare Metal Restore Client Platforms: IBM AIX, HP-UX, Sun Solaris, Microsoft Windows, or Linux

This is a summary of NetBackup Bare Metal Restore platform & snapshot support. For complete NetBackup software and hardware compatibility information, please see the Compatibility Lists at http://www.support.veritas.com or contact your VERITAS sales representative or authorized VERITAS reseller.