

VERITAS Backup Exec™

for Windows NT and Windows 2000

Intelligent Image Option

KEY BENEFITS

- Increased backup performance, reducing the time to back up a server storing large numbers of files
- Frees system resources by utilizing fewer host CPU cycles during backups
- Execute full, incremental or differential backups of the host server's locally attached data



Intelligent Image Option features seamlessly integrate into Backup Exec operations.

High-Performance System Backup

With increasing storage requirements and 24x7 operations, the backup window is becoming smaller and protecting business-critical data is becoming a greater challenge. For servers containing file systems with a very large number of files, the **VERITAS Backup Exec™ Intelligent Image Option** provides a solution to speed backup performance, minimizing backup window issues.

Unlike other raw-image backup products, Backup Exec's built-in intelligence avoids the inclusion of unused and temporary-usage space within the image file, reducing the volume size and backup time needed to complete the task. Intelligent Image Option seamlessly integrates into Backup Exec or the Backup Exec Network Storage Executive and can be used with incremental or differential backups between full backup jobs — further reducing the amount of data to backup and therefore increasing backup speeds.

Product Highlights

- Increases backup performance in high file-volume systems
- Lowers host server CPU use, freeing resources during the backup
- Executes full, differential or incremental backup methods — an Intelligent Image Option exclusive
- Restores the full image, directories or individual files
- Restores both compressed and noncompressed files
- Backs up encrypted files using non-image methods in the same job
- Captures and backs up open files
- Provides single-pass restore of multiple individual files
- Integrates with the Backup Exec Intelligent Disaster Recovery™ Option
- Sends backups to either tape or disk drives

Reduce Backup Times

Backup Exec Intelligent Image Option creates a single "snapshot" of a volume and sends that file to a storage medium such as a tape or hard drive. It first creates a map of the file system and then creates a single file of the volume's image. By creating a single volume image, void of empty spaces and temporary data, Intelligent Image Option eliminates the overhead of a file-by-file backup, reducing job size and CPU processing. The net results are faster backup times and the reduction of host-server CPU cycles.

Most servers being backed up will benefit from the speed offered with Intelligent Image Option. However, an ideal server candidate would be one that has thousands or even millions of files, is in use 24x7, has little or no bandwidth to spare and requires quick backups. Here the ability to back up files quickly is paramount.



Microsoft
GOLD CERTIFIED
Partner

Operational Flexibility

Other raw-image solutions allow only a "full" backup of the selected volume, not offering differential or incremental backup. Most operational rotation schemes include these types of backup methods, which are used to reduce the amount of data backed up between full backups of the volume. Intelligent Image Option enables users to incorporate all backup methods in their backup schemes, further reducing the time to complete the backup job between regularly scheduled full backups.

While data recovery options include restoring the entire volume or an individual file, Intelligent Image Option goes further. It allows a single-pass restore of multiple files within a single backup file or from multiple backup files. Also, Intelligent Image Option can fully protect and restore compressed files, such as zip files, where many image backups cannot.

Integrating with Backup Exec Options

Intelligent Image Option seamlessly installs and integrates with Backup Exec and the Backup Exec Network Storage Executive. It can be used in conjunction with many other Backup Exec options. It can back up to tape drives, to tape libraries or to disk. Because of the nature of "snapshotting" the image of the volume, Intelligent Image Option cannot be used for protecting data that uses a database with transaction logging enabled.

LAN-Free Backup

Many customers realize the benefits of LAN-free backup for Windows NT and Windows 2000 networks — centralized tape libraries, greater control of backup server operations, improved network performance and faster backup speeds. The combination of the Backup Exec SAN Shared Storage Option and the Intelligent Image Option creates an extremely fast, reliable, scalable backup solution for busy, data-intensive environments.

How It All Works:

Intelligent Image Option provides fast backup performance with less CPU processing by backing up all the information about the files themselves (file map changed data) and then separately backing up the raw partition, at the block level, as one image. When the data needs to be restored, the administrator has the ability to either restore an individual file or directory or to restore the entire image.

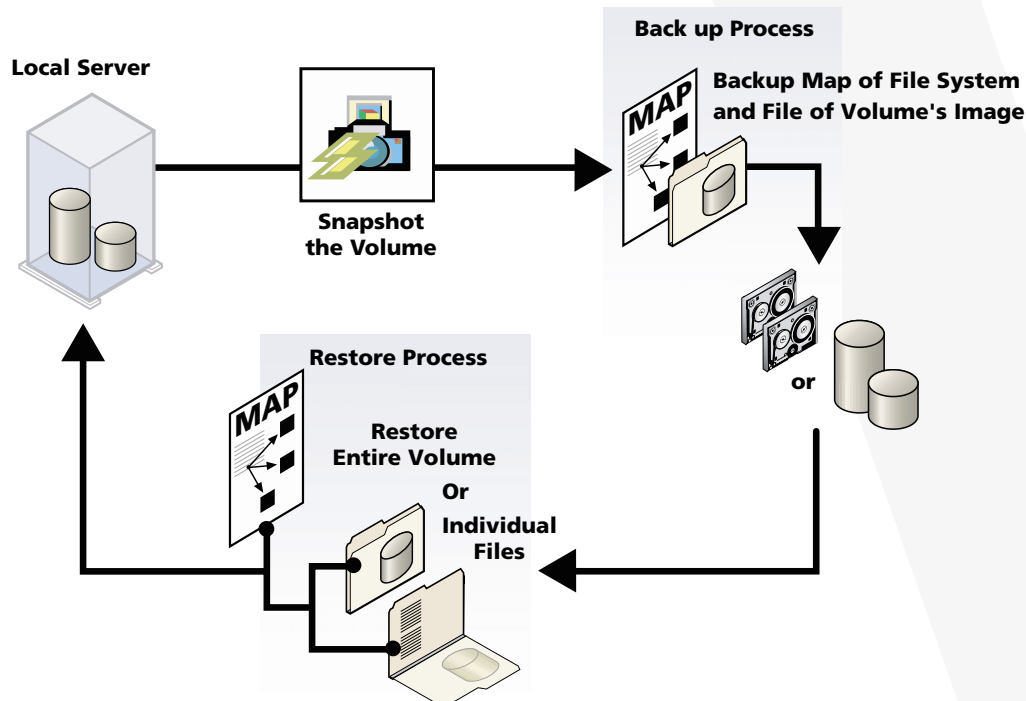
High-Performance System Backup

Windows NT or Windows 2000 Backup Server Requirements

- VERITAS Backup Exec for Windows NT and Windows 2000 v8.6
- Same requirements as Backup Exec for Windows NT and Windows 2000.
- Windows NT or Windows 2000

Compatible Backup Exec Agents and Options

- Intelligent Disaster Recovery Option
- SAN Shared Storage Option
- Network Storage Executive
- Library Expansion Option



About VERITAS The Data Availability Company™: VERITAS Software Corporation (Nasdaq:VRTS) provides essential data availability software solutions that enable customers to protect and access their business-critical data for Business Without Interruption™.

VERITAS Software Corporation
Corporate Headquarters
 350 Ellis Street
 Mountain View, CA 94043
 650-527-8000 or 800-327-2232

For additional information about VERITAS Software, its products, or the location of an office near you, please call our corporate headquarters or visit our Web site at www.veritas.com.