

# BACKUP

Windows 2008 Server Backup

# WINDOWS 2008 BACKUP SOFTWARE

- ▶ Included in Windows 2008 R2
- ▶ Provides solution for backup and recovery
- ▶ Replaced ntbackup.exe
- ▶ Has an MMC snap-in
- ▶ Has command line tools available
- ▶ Can be used to backup a full server, selected volumes, or just system state
- ▶ Recovery can be performed for volumes, folders, files, applications, and system state
- ▶ Using Windows Recovery Environment can be used to restore a complete system onto a new hard disk

# WINDOWS 2008 BACKUP SOFTWARE

- ▶ Backups can be created and managed on a local or remote machine
- ▶ Backups can be scheduled to run automatically
- ▶ One-time backups can be performed
- ▶ Only command line backup available on Core installation
- ▶ Cmdlets for PowerShell available
- ▶ Cmdlets not available on Core Installation

# NEW FEATURES

- ▶ Improved speed using VSS (volume shadow copy); block level backups, backups can be run incrementally
- ▶ Simple restoration by being able to select individual files from a backup; restoring each incremental is no longer required
- ▶ Simple OS recovery to same or similar platform
- ▶ Application recovery for VSS aware apps like MS SQL Server
- ▶ Improved scheduling through wizards
- ▶ Offsite backups can be achieved by backing up to multiple disks in rotation
- ▶ Remote administration through MMC snap-in

# NEW FEATURES

- ▶ Automatic management of disk space by automatically reusing the space used by old backups, and allows you to have visibility into space available
- ▶ Improved command line support using the wbadmin tool which also supports scripting commands
- ▶ Includes support for optical media, removable media and manual backups to shared folders

# IMPORTANT NOTES

- ▶ You must be an Administrator or Backup Operator to use the tool
- ▶ The firewall will prevent a backup remotely by default
- ▶ When upgrading to Windows 2008 server all backup configuration items are lost
- ▶ Scheduled backups require a separate disk
- ▶ Only NTFS local volumes can be backed up
- ▶ Tape based backups have been disabled
- ▶ Windows Server Backup will not restore backups performed with `ntbackup.exe`

# INSTALLATION

- ▶ Add features in the Server Manager
- ▶ Elements to add are:
  - ▶ Windows Server Backup MMC Snap-In
  - ▶ wbadmin command line tool
  - ▶ Windows Server backup cmdlets
- ▶ Steps:
  - ▶ Server Manager, Add features
  - ▶ Select Features, Add above backup features
- ▶ View Tools
  - ▶ Admin Tools: Windows Server Backup; wbadmin; Help in PowerShell

<http://technet.microsoft.com/en-us/library/cc753528.aspx>

# BACKUP SERVER

<http://technet.microsoft.com/en-us/library/cc753920.aspx>

# RECOVER SERVER

<http://technet.microsoft.com/en-us/library/cc753920.aspx>

# AD DS BACKUP