

Convert MBR to GPT

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2. Right-click on the disk and select Convert to GPT disk.
3. The disk will be converted, and should show as Online.

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File-level- based backups

Normal	Creating a full backup and removes the Archive Bit
Incremental	Change files and removes the Archive Bit
Differential	Change files and do not remove the Archive Bit
Copy	Is copying the files and do not remove the Archive Bit

Change files daily and do not remove the Archive Bit

DOS Commands

wbadmin start backup	Perform a backup
wbadmin enable backup	Set up regularly scheduled backup
wbadmin start systemstatebackup	Backup system state data included boot files Activity Directory and server roles
wb start systemstate-recovery	Start the recovery of system state data from backup
wbadmin get item	List the contents of a backup image
wbadmin stop job	halt the currently running backup or recovery process
wbadmin (command option) !?	Display online documentation for specific wbadmin command option

Windows Server Storage types

Local disk	Can store max 512 backup copies on a disk. More if use of multiple disks
External disk	Use USB 2.0 or IEEE 1394 disks with 2.5 more capacity than needed for best practice

Windows Server Storage types (cont)

Shared folder	Is saved on a network share. Avoid failure by storing backups in subfolders of shared folder
DVD	Backups that can be stored on DVD. The backup is compressed

RAID

RAID 0 (Striping)	Data is separated in 2 disks. If one disk fails the whole system fails. Faster performance
RAID 1 (Mirroring)	Data is being mirrored on multiple disks. Twice as much redundans.
RAID 0+1	Data is being used separated on 2 disk, and after mirrored
RAID 1+0	Data is being mirrored and after separated
RAID 2	Is being stored on small blocks on multiple disks
RAID 3/4	Need minimum 3 disks
RAID 5	More redundans. Need minimum 3 disks. Search performance is as fast as the slowest disk.



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Shadow Copy facts

Can recover deleted files or folders

Can recover a previous version of modified file

Shadow copy is enabled on a volume

As default there are taken two shadow copies each day, you can of cause schedule that if needed

System can store up to max 64 shadow copies

If there is no more disk space or there is 64 shadow copies the oldest shadow copy will be deleted

An end user can restore a previous version if they have they have the shadow copy software

Clients that already have this installed is: Windows Vista, Server 2008 and Server 2003

Basic and Dynamic Disk

Basic disk Up to 4 primary partitions, One of them can be extended partition, Max 26 logical drives

Dynamic disk Simple volume, Spanned volume, Striped volume, Mirrored, RAID-5 volume

MBR and GPT

Master boot Record Have 4 partiotions in the tabel, Is on the first sector on the harddisk, Limits amount and size of partitions

GUID Partition Table Supports more partitions and bigger, Improved reliability

Backup Operations

Automatic Backup This is a automatic backup. You can chose a full server backup or aspecific drive

Manual Backup This is a backup you start yourself. You can chose to make a full server backup or a single drive

Scheduled Backup This is used by task scheduler

System State backup from command line This is used by typing wbadmin start systemstatebackup

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