Convert MBR to GPT

1. Open the Disk Management MMC snap-in.

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
Increm ental	Change files and removes the Archive Bit
Differ- ential	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 systemsta- tebackup	Backup system state data included boot files Activity Directory and server roles
wb start systemsta- terecovery	Start the recovery of system state data from backup
wbadmin get item	List the contents of a backup inage
wbadmin stop job	halt the currently running backup or recovery process
wbadmin (command option) I?	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 hole system fails. Faster performance
RAID 1 (Mirro-ring)	Data is being mirrirored 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.

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

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 systemstateb-ackup

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