## Converting a basic disk to dynamic

## **Configuring Basic and Dynamic Disks**

Windows Server 2012 R2 supports two types of disk configurations: basic and dynamic. Basic disks are divided into partitions and can be used with previous versions of Windows. Dynamic disks are divided into volumes and can be used with Windows 2000 Server and newer releases.

When a disk is initialized, it is automatically created as a basic disk, but when a new fault-tolerant (RAID) volume set is created, the disks in the set are converted to dynamic disks. Fault-tolerance features and the ability to modify disks without having to reboot the server are what distinguish dynamic disks from basic disks.

A basic disk can simply be converted to a dynamic disk without loss of data. When a basic disk is converted, the partitions are automatically changed to the appropriate volumes. However, converting a dynamic disk back to a basic disk is not as simple. First, all the data on the dynamic disk must be backed up or moved. Then, all the volumes on the dynamic disk have to be deleted. The dynamic disk can then be converted to a basic disk. Partitions and logical drives can be created, and the data can be restored.

The following are actions that can be performed on basic disks:

- Formatting partitions
- Marking partitions as active
- Creating and deleting primary and extended partitions
- Creating and deleting logical drives
- Converting from a basic disk to a dynamic disk

The following are actions that can be performed on dynamic disks:

- Creating and deleting simple, striped, spanned, mirrored, or RAID-5 volumes
- Removing or breaking a mirrored volume
- Extending simple or spanned volumes
- Repairing mirrored or RAID-5 volumes
- Converting from a dynamic disk to a basic disk after deleting all volumes

How to Convert a Disk to Dynamic Computer Management File Action View Help 💼 🖌 🖬 📷 Computer Management (Local Name Actions System Tools System Tools Computer Ma Task Scheduler Storage More Acti Event Viewer Services and Applications Shared Folders Local Users and Groups N Performance Device Manager . Es Storage Disk Management Services and Applications Open computer management from Tools and click on Disk Management 4 .









