

## Episode Title: Using Storage Spaces Direct

### Objectives:

At the end of this episode, I will be able to:

1. Describe how to use local disks to create shared storage
2. Explain the networking requirements for Storage Spaces Direct
3. Prepare and configure disks for use with Storage Spaces Direct

### Key Points:

#### Key Point 1

Local disks, such as SATA, SAS, and NVMe, can be used with Storage Spaces Direct. You can configure these disks to use mirrors and/or parity.

#### Key Point 2

Storage Spaces Direct must use 1 Gb network adapters. To help with bandwidth, consider using multiple adapters with NIC teaming or RDMA.

#### Key Point 3

The disks must be prepared to be used with Storage Spaces Direct. This includes resetting the disk, making it read-only, and setting it offline.

- If additional resources are used during the episode, they can be obtained using the download link on the overview episode (e.g. diagrams, no powerpoints)

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### External Resources:

If external resources were used during this episode, you can reference the following external resources for supplementary tools and information, if none were used, then this section will be blank:

- Deploy Storage Spaces Direct on Windows Server  
: <https://learn.microsoft.com/en-us/windows-server/storage/storage-spaces/deploy-storage-spaces-direct>