

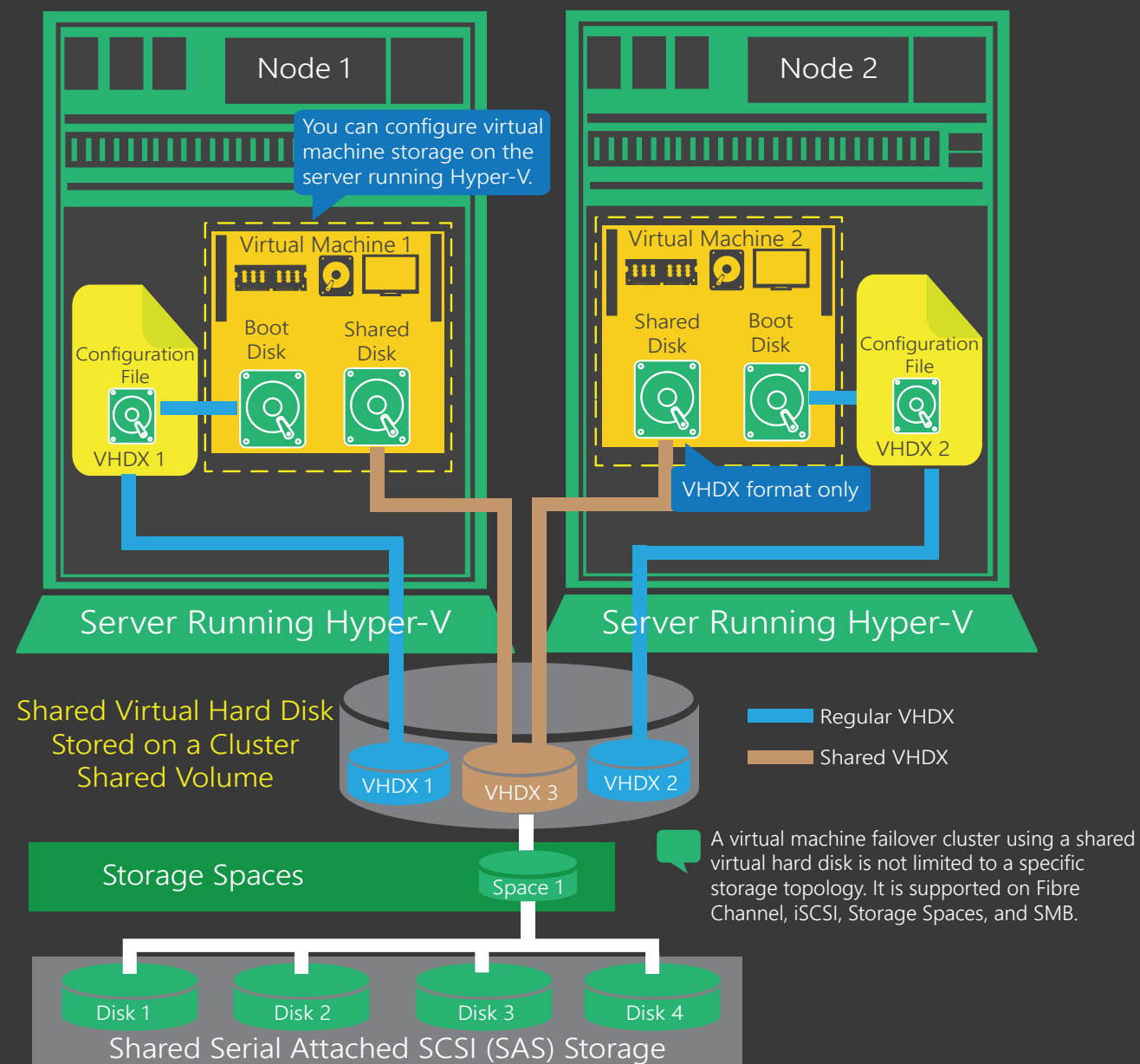
Hyper-V Storage

Hyper-V with Virtual Hard Disk Sharing

Windows Server 2012 R2 enables you to share a virtual hard disk file (VHDX format), which provides shared storage for a virtual machine failover cluster (also known as a guest cluster). By making shared storage available to virtual machines, you can easily use a virtual machine failover cluster to protect your application services (for example, SQL or file server services) running inside your virtual machines.

Virtual Machine Clustering Using Cluster Shared Volumes

One option for using virtual hard disk sharing is to use cluster shared volumes.



Virtual Hard Disk Sharing does not support:

- Storage migration.
- Hyper-V Replica.
- Storage Quality of Service (QoS).

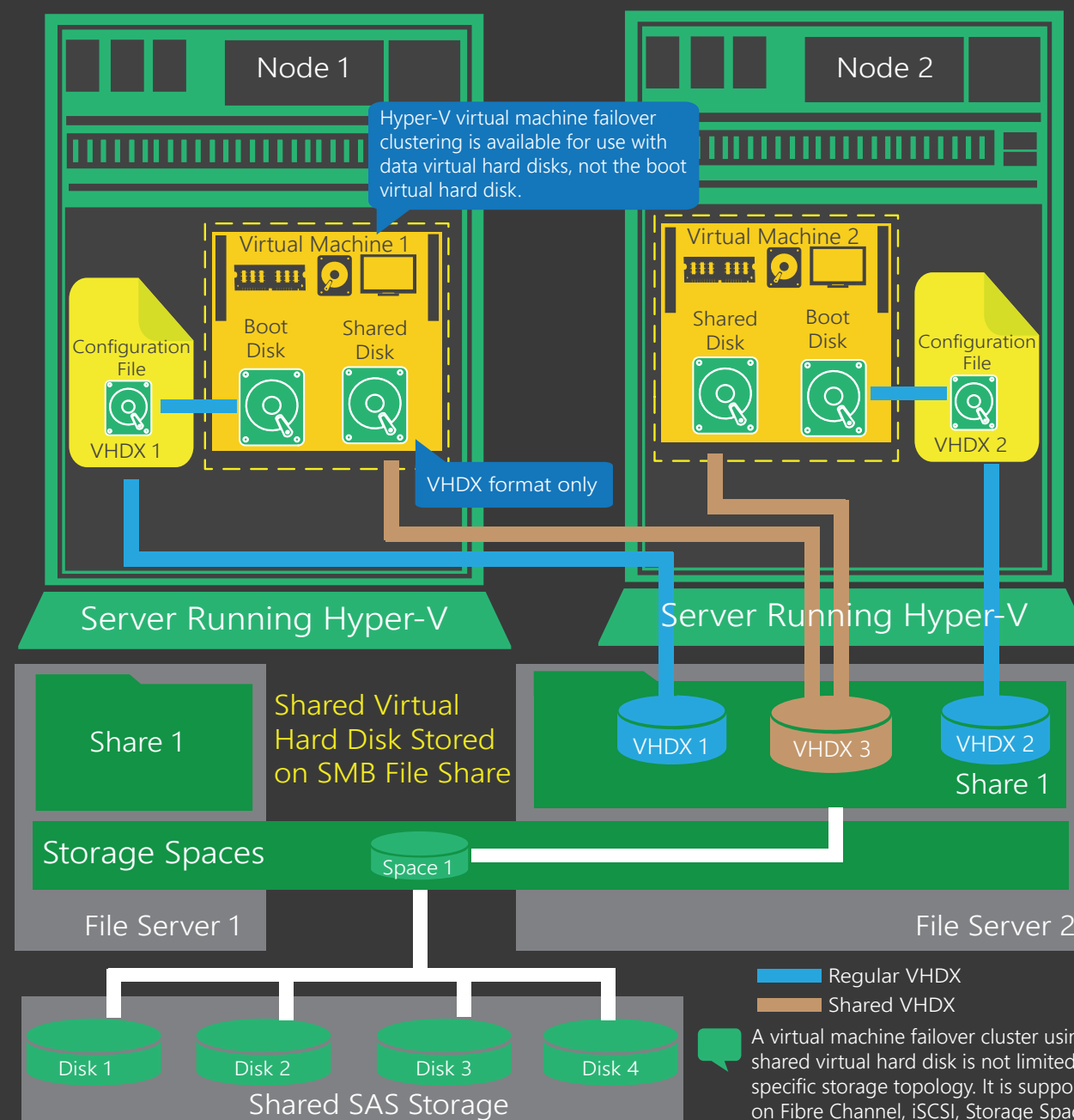
Supported Scenarios for Virtual Hard Disk Sharing

Supported scenarios include:

- Faster virtual hard disk sharing using SMB Direct and SMB Multichannel.
- Migrating shared virtual hard disks using live migration.
- Saving and restoring virtual machines.
- Protecting against the failure of a guest node, Hyper-V host, or file server node.
- Using Windows Server 2012 R2 for file server nodes and Hyper-V hosts.
- Using Windows Server 2012 R2 and Windows Server 2012 for guest nodes.

Virtual Machine Clustering with SMB Storage in a Scale-Out File Server

One option for using virtual hard disk sharing is to use a scale-out file server.



More information ...

Live Migration	
Hyper-V Storage Virtual Hard Disk Sharing	
Online Virtual Hard Disk Resizing Quality of Service	
Session Modes	
Hyper-V and Failover Clustering	
Generation 2 Virtual Machines	
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