

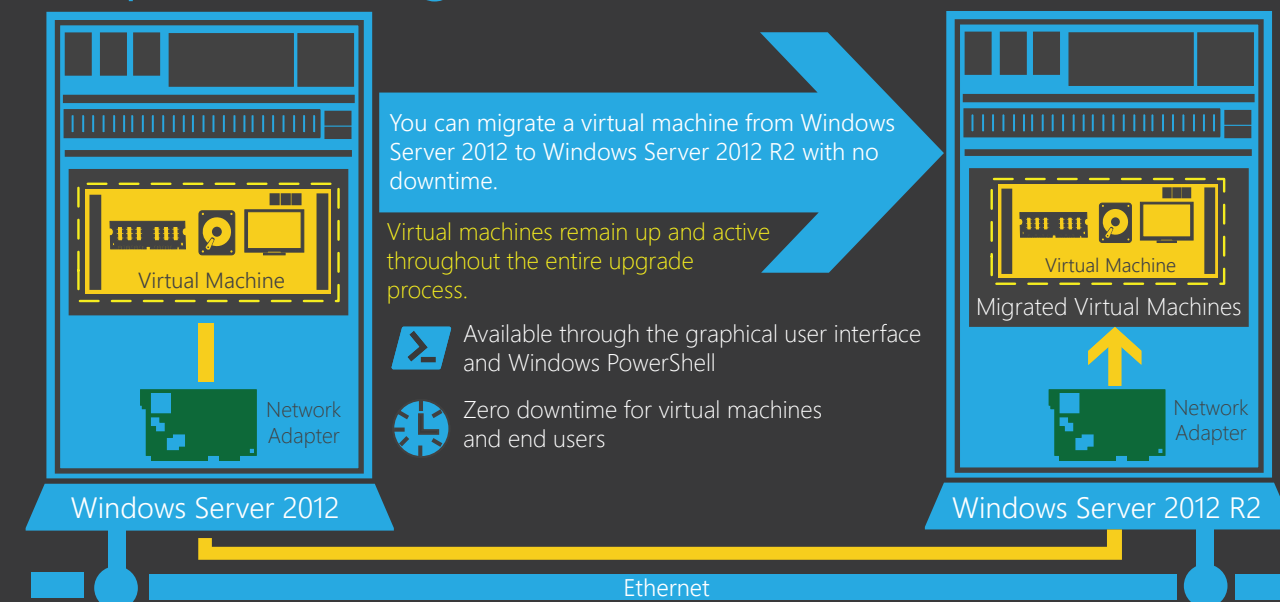
Upgrading Your Private Cloud

Live Migration

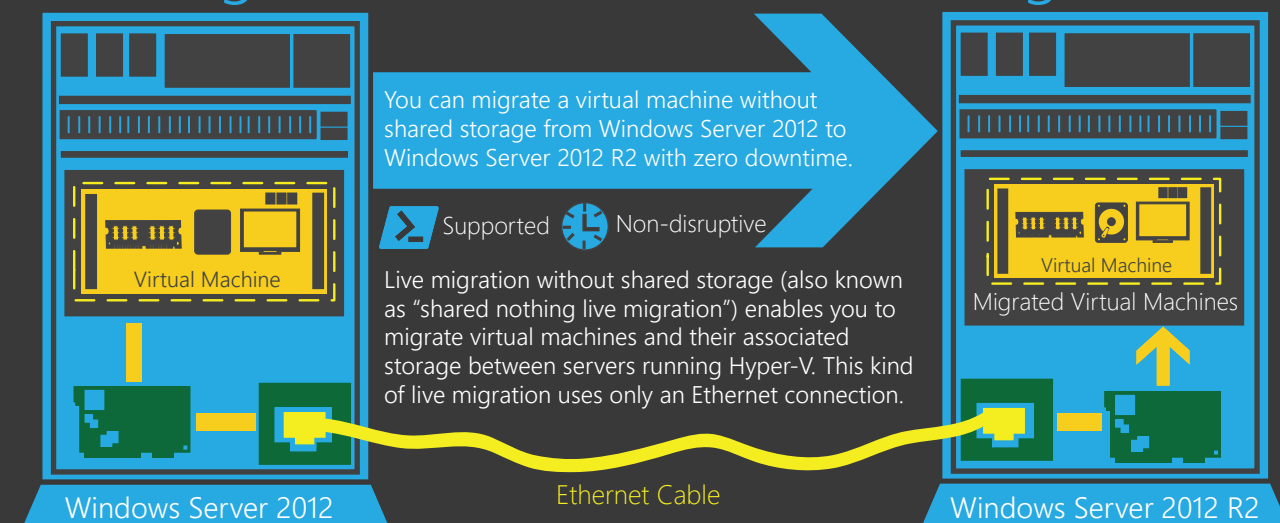
Hyper-V live migration in Windows Server 2012 R2 updates live migration with new capabilities that enable you to easily upgrade and manage your private cloud. You can now live migrate your virtual machines from Windows Server 2012 to Windows Server 2012 R2 in a simple, automated process that delivers zero downtime for your virtual machines.

You can now easily upgrade your private cloud infrastructure, which eliminates impact to your virtual machine workloads and helps you avoid the cost and inconvenience associated with unwanted downtime. Live migration delivers a more robust and automated upgrade path for large-scale environments and makes it easy to adapt to a faster upgrade cadence as different versions of Windows Server are released. It also makes it easier for you to manage and deliver on your service level agreements.

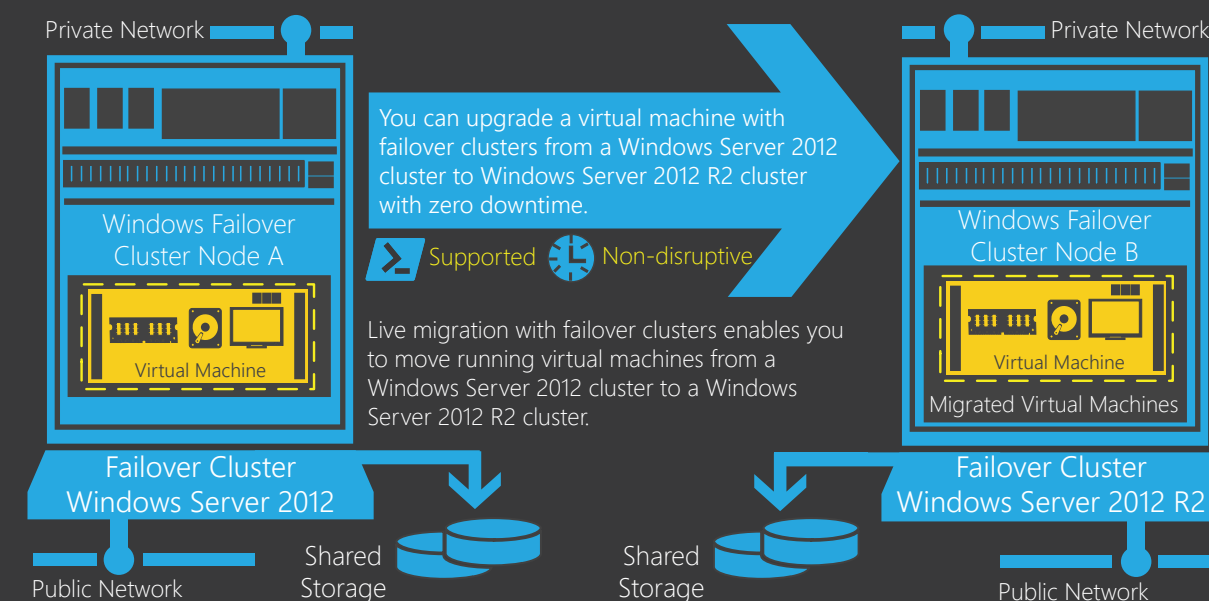
Simple Live Migration



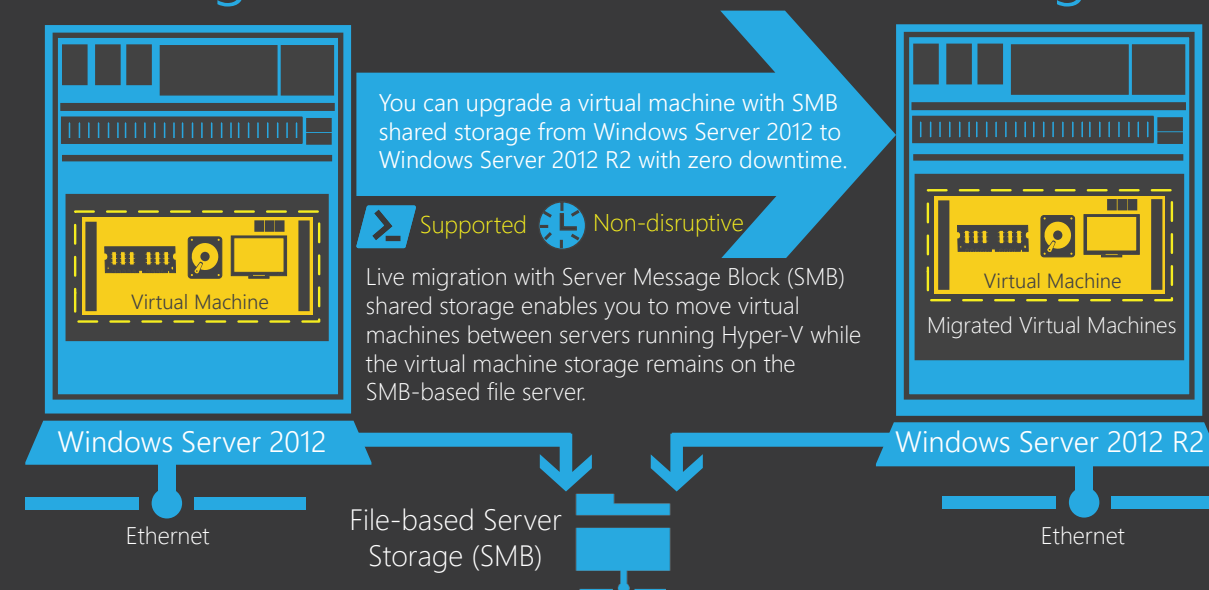
Live Migration Without Shared Storage



Live Migration with Failover Clusters



Live Migration with SMB Shared Storage



In-Place Upgrades

In Windows Server 2012 R2, in-place upgrades are easier than before. Hyper-V now supports restoring virtual machines from a saved state created on Windows Server 2012 in Windows Server 2012 R2. You simply save your virtual machine state prior to upgrading your host computer, upgrade the host, and then restore the virtual machine. The ability to save and restore virtual machine states across different releases is supported across all Hyper-V features—including import/export, backup and restore, in-place upgrades and checkpoints (snapshots). This can significantly reduce the downtime associated with release upgrades.

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
- Windows 8 App Server Posterpedia