ITFreeTraining

Configure guest intergration services

For the free video please see
http://itfreetraining.com/hyperv#/integration-services

In this video from ITFreeTraining I will look at Integration Services for Hyper-V. Integration Services is a suite of software that, when installed in a virtual machine, improves the performance and adds features to the virtual machine.

What is Integration Services?

- A suite of drivers and utilities of Hyper-V

Without Integration Services (Hardware emulated)

With Integration Services (Direct access to virtual hardware)

Network Driver

Video Driver

Windows 8.1

Virtual Machine
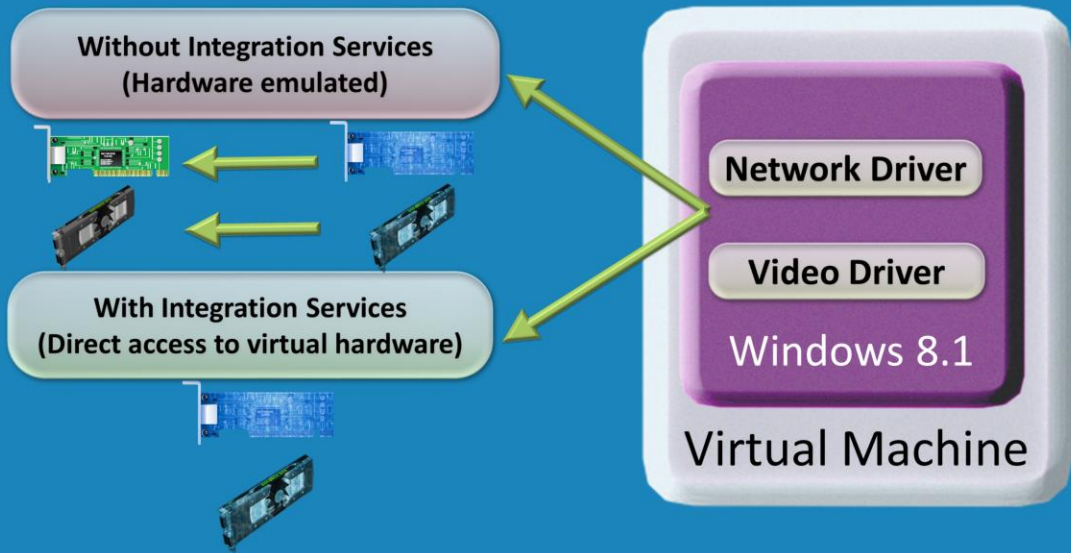
0:04 Integration services is software provided to give the user the best possible experience while using Hyper-V. Integration services is a suite of drivers and utilities, similar to VMWare Tools in VMWare or XenServer tools in Citrix XenServer. It replaces generic operating system drivers such as those for mouse and video with Hyper-V specific drivers to better manage the machine. Integration services also synchronizes the time between the host and virtual machine, allows file interoperability and adds a heartbeat for monitoring. Without integration services, the virtual machine uses emulation to access the host servers resources. With the services installed, it accesses the hardware directly and improves performance.

Features of Integration Services

- Allows unrestricted mouse movements
- Improves video performance and features
- Heartbeat service
- Guest/Host data exchange
- Time synchronization
- Improved snapshot performance
- Remote Desktop Virtualization

Allows unrestricted mouse movements, so that you don't need a keyboard shortcut to release the mouse from the virtual machine. Improves video performance and features, such as additional screen resolutions. Heartbeat service so that the host can monitor the virtual machine Data exchange ability – allows the client to pass information such as build and version to the host. Time synchronization between the guest and host. Improved snapshot performance. Remote desktop virtualization – allows management of the virtual machine from a remote desktop.

Operating Systems Supported

- Windows Servers
  - Windows Server 2012/2008 R2/2008 with SP2/2003 with SP2/Windows Home Server 2011/Windows Small Business Server 2011
- Windows Clients
  - Windows 8/7/Vista with SP2/XP with SP3/XP x64 with SP2
- Linux
  - CentOS 5.7,5.8, 6.0 to 6.3/Red Hat Enterprise 5.7,5.8,6.0 to 6.3/Suse Linux Enterprise Server 11 SP2/Open SUSE 12.1/Ubuntu 12.04

4:42 Windows server: Windows Server 2003 with SP2 and above
Windows client: Windows XP SP3 or Windows XP x64 with SP2 and above
Linux: CentOS 5.7,5.8, 6.0 to 6.3/Red Hat Enterprise 5.7,5.8,6.0 to 6.3/Suse Linux Enterprise Server
11 SP2/Open SUSE 12.1/Ubuntu 12.04

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References
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