

Windows 8 Client Hyper-V

Geek Session - SLO Linux Users Group

May 9, 2013 - Presented by: Alan Raul

Client Hyper-V is the same computer virtualization technology that was previously available in Windows Server. In Windows 8 Pro, the technology is now built into the non-server version of Windows, often called the “desktop” version because it does not run on server-class hardware. Client Hyper-V provides the same virtualization capabilities as Hyper-V in Windows Server 2012. A similar functionality in Windows 7 is called Windows XP Mode.

Using Windows 8 Client Hyper-V

<http://www.microsoft.com/en-us/download/details.aspx?id=36188>

Client Hyper-V

<http://technet.microsoft.com/en-us/library/hh857623.aspx>

Oliver's Blog - Windows 8: Hyper-V on Client

<http://blogs.msdn.com/b/olivnie/archive/2013/01/18/hyper-v-on-client-windows-8-pro.aspx>

Setting up Virtualization using Hyper-V for Windows 8

<http://jasongaylord.com/blog/Virtualization-Using-HyperV-Windows-8>

5 excellent uses of Windows 8 Hyper-V

<http://www.infoworld.com/d/virtualization/5-excellent-uses-of-windows-8-hyper-v-208436>
<http://www.infoworld.com/print/208436>

Windows Sysinternals Disk2vhd

<http://technet.microsoft.com/en-us/sysinternals/ee656415.aspx>

Windows 7 will run 120 days for FREE

From a command prompt in Administrator mode type "**slmgr /rearm**"

Windows 8 Client Hyper-V Limitations: (Wikipedia)

USB pass-through - Hyper-V does not support virtualized USB ports or COM ports.

This fact makes it very inconvenient to run software protected by dongles in the guest. A workaround to access USB drives in Windows guest VMs involves using the Microsoft Remote Desktop Client to "share" host drives with guests over a Remote Desktop Connection.

Audio

Audio hardware is not virtualized by Hyper-V although the above Remote Desktop

workaround may be used.

Optical drives pass-through

Optical drives virtualized in the guest VM are read-only. Hyper-V does not support the host/root operating system's optical drives to pass-through in guest VMs. As a result, burning to discs, audio CDs, video CD/DVD-Video playback are not supported.

However a workaround exists using the iSCSI protocol. Setting up an iSCSI target on the host machine with the optical drive can then be talked to by the standard Microsoft iSCSI initiator. Microsoft produces their own iSCSI Target software or alternative third party products can be used.

Other Virtual Machine Links:

How To Run Chrome OS in VirtualBox and Try Out Chrome OS Before Buying a Chromebook

<http://www.howtogeek.com/128087/how-to-run-chrome-os-in-virtualbox-and-try-out-chrome-os-before-buying-a-chromebook/>

Hexxeh's Chromium OS Vanilla website and download the VirtualBox image for the latest version of Chromium OS.

<http://chromeos.hexxeh.net/>