





5 Reasons to Virtualize Linux on Hyper-V

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Companies have many choices when choosing a virtualization host for Linux workloads. Here are five reasons why customers choose Hyper-V™ for both Windows® and Linux servers.

#1) Realize the Benefits of Virtualization
Hyper-V is designed to provide the key functionality that an ideal virtualization platform should provide—scalability, high performance, reliability, security, flexibility, and manageability. It provides scalability and high performance with features like guest multi-processing support and 64-bit guest and host support. The hypervisor architecture helps provide reliability and security. Flexibility and manageability are provided with features like live migration of virtual machines from one physical host to another, and integration with System Center Virtual Machine Manager.

#2) Hyper-V Treats Linux as a First-Class Citizen
Microsoft provides integration services and technical support for customers running select Linux distributions as guest operating systems on Hyper-V. These integration services enable Linux to take advantage of the VSP/VSC architecture and provide improved performance.  Microsoft has contributed this code to the Linux kernel, and Linux distributions with kernel version 2.6.32 or later runs natively on Hyper-V with near physical performance.

#3) Microsoft is Committed to Interoperability
Microsoft understands that in today’s heterogeneous computing environments, customers need solutions that work well together.  Contributing to the Linux kernel helps ensure high levels of interoperability between Linux and Hyper-V, and this contribution fits with Microsoft’s ongoing efforts to interoperate with Linux and open source software.

#4) Microsoft System Center Enables Heterogeneous Management
System Center Operations Manager provides management for Windows, Linux, and Unix physical and virtual machines. Operations Manager comes out of the box with cross platform extensions, and powered with OpenPegasus, it manages not only Linux and UNIX operating systems, but also the application layer. System Center Virtual Machine Manager lets organizations manage Hyper-V and ESX hosts, Windows and Linux guests, and all through a single consistent pane of glass.

#5) Hyper-V is a Proven Virtualization Platform
Organizations all over the world are virtualizing on Hyper-V. Learn more about specific industry solutions, see how customers are taking advantage of new features and functionality to help advance their IT, and read how companies like yours are becoming more successful with Hyper-V at [www.microsoft.com/virtualization/casestudies](http://www.microsoft.com/virtualization/casestudies).

