



# SUSE® Linux Enterprise Server: The Perfect Guest for Virtualized Deployments

Virtualization offers dramatic benefits for your x86-based server infrastructure: reduced costs, simplified disaster recovery, higher availability, increased agility and more. With the emergence of multiple hypervisor technologies, you now have a choice between VMware\*, Microsoft\* Hyper-V and Xen\*. Regardless of which one you choose, SUSE® Linux Enterprise Server is the “perfect guest.”

SUSE Linux Enterprise Server from Novell® has become synonymous with reliability, interoperability and superior engineering. It has emerged as a leader in enterprise-wide computing, offering a robust and manageable platform for edge computing, enterprise databases and mission-critical business applications. But did you know the same operating system that confidently runs your workloads in traditional physical deployments has also been optimized to run them in virtualized deployments?

From the beginning, Novell has led in support for all three hypervisors. Our extensive collaboration with VMware, Microsoft and the Xen community makes SUSE Linux Enterprise Server your best choice for running virtual workloads on VMware ESX Server (and VMware Infrastructure), Microsoft Hyper-V and Xen. Achieve the benefits of virtualization with near-native performance,

all while receiving comprehensive technical support and peace of mind.

In addition, you can run unlimited virtual machines with SUSE Linux Enterprise Server, all for the price of a single operating system subscription. Don't let other vendors charge you extra or limit your virtualization options. Maximize your hardware usage and run as many virtual guests as you choose.

### VMware ESX Server

Novell and VMware worked closely together to add support for the Virtual Machine Interface (VMI) in SUSE Linux Enterprise Server. VMI is an open specification created by VMware that defines the communication between a guest operating system (OS) and the hypervisor on which it runs. VMI enables direct communication between the Linux\* kernel and the hypervisor, maximizing system performance and making SUSE Linux

#### ■ Solutions:

Virtualized Data Center Optimization  
Desktop to Data Center Linux

#### ■ Products:

SUSE Linux Enterprise Server

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Enterprise Server a more efficient guest OS when running on VMI-compliant hypervisors, such as VMware ESX Server (the hypervisor in VMware Infrastructure). SUSE Linux Enterprise Server provides customers with increased performance, improved behavior of time-critical workloads and better interoperability by allowing the same VMI-enabled SUSE Linux Enterprise Server kernel to run on both physical machines and VMI-compliant infrastructure—such as VMware ESX Server.

### **Microsoft Hyper-V**

Novell and Microsoft have been performing extensive technical collaboration since 2006, with a major focus on bi-directional virtualization between SUSE Linux Enterprise (with Xen) and Microsoft Windows\* (with Hyper-V). Each operating system has been certified on the other's hypervisor, giving customers unparalleled choice and flexibility. Through the work of the joint Novell and Microsoft Interoperability Lab, SUSE Linux Enterprise Server has been enabled to run "enlightened" on Hyper-V, providing maximum performance for customers who choose to virtualize Linux on Windows. Even better, SUSE Linux Enterprise Server is fully supported by Novell and Microsoft in this virtualized environment, giving you the confidence to deploy SUSE Linux Enterprise Server guests in production on Hyper-V.

### **Xen**

Novell is one of the leading contributors to the open source Xen project, boasting some of the top Xen engineering expertise in the world. We were the first enterprise Linux distributor to deliver and support the Xen hypervisor, and we continue to extend our leadership in Linux virtualization. SUSE Linux Enterprise Server takes full advantage of Xen and is paravirtualized to offer near-native performance. Novell has also partnered with SAP to develop a certified solution tested in SAP's LinuxLabs that includes SAP applications running on virtualized SUSE Linux Enterprise Server guests on Xen. Not only does SUSE Linux Enterprise Server offer superior performance on Xen, but it is also fully supported by Novell in this configuration, providing another reason to try it in your environment today.

Your future IT environment will include a mix of technologies, so focus on interoperable solutions that deliver flexibility and value. Choose the operating system optimized and priced for virtual environments and take advantage of all three hypervisors—at your own pace and with the support of Novell, VMware, Microsoft and the Xen community. Choose SUSE Linux Enterprise Server from Novell, the perfect guest.



Contact your local Novell Solutions Provider, or call Novell at:

1 800 714 3400 U.S./Canada  
1 801 861 1349 Worldwide  
1 801 861 8473 Facsimile

### **Novell, Inc.**

404 Wyman Street  
Waltham, MA 02451 USA