

SUSE® Linux Enterprise Virtual Machine Driver Pack

Want to virtualize Windows* applications but concerned about performance? Worry no more. Novell makes it easy to consolidate your Windows applications and other legacy services with the innovative SUSE® Linux Enterprise Virtual Machine Driver Pack and its underlying Linux* server. It's a solution backed by comprehensive enterprise support. You'll achieve near-native performance of your virtual systems, extend the life of your software investments and reduce infrastructure costs.

Take Full Advantage of Virtualization

Why are so many organizations turning to virtualization? Because it's a proven way to cut costs without affecting performance or quality of service. Virtualization enables a single physical computer to function as if it were two or more computers—with each non-physical or “virtual” computer featuring the same basic architecture as that of a generic physical computer. By combining virtualization with the enhanced server capacity and processing power of today's x86 platforms, your organization can get more value from existing systems, increase the availability of existing services and accelerate business agility—all while minimizing costs and risks.

Of course, not all types of virtualization are equal. Historically, enterprises relied

on full virtualization, which emulated all of the hardware resources of each physical system. Performance suffered in these fully virtualized environments due to the extensive translation of instructions required for all of the emulated resources. However, a more efficient method of virtualization—called paravirtualization—emerged with the invention of the Xen* hypervisor. Paravirtualization strengthens connectivity between guest operating systems and Xen, utilizing additional channels of communication that improve performance. While paravirtualization is a newer, more efficient technology, only a few operating systems are equipped to take advantage of the underlying hypervisor. Thus, running older, legacy operating systems in a virtualized environment has meant trade-offs in performance—until now.



■ Solutions:

Linux Operating Systems

■ Products:

SUSE Linux Enterprise Server 10 SP1
SUSE Linux Enterprise Virtual Machine Driver Pack



“Enterprises worldwide are looking for ways to cut costs and reduce their energy consumption. Using paravirtualized device drivers from Novell, enterprises can easily consolidate legacy virtual services on AMD Virtualization technology, using fewer, more energy-efficient hardware resources to run their data centers.”

Terri Hall

Vice President,
Commercial Systems Marketing
AMD

Over the years, you've invested an enormous amount of time and money in legacy and custom applications, most of which are only supported on older operating systems. Now, you can use the SUSE Linux Enterprise Virtual Machine Driver Pack to extend the useful life of this software.

Performance is a key factor for organizations considering virtualization. With the SUSE Linux Enterprise Virtual Machine Driver Pack, you can virtualize Windows applications—and other legacy systems—and still achieve powerful, near-native performance levels.

Achieve Near-native Performance

Performance is a key factor for organizations considering virtualization. With the SUSE Linux Enterprise Virtual Machine Driver Pack, you can virtualize Windows applications—and other legacy systems—and still achieve powerful, near-native performance levels. This bundle of paravirtualized network, bus and block device drivers also includes the installation wizards and documentation that will help you install the drivers onto virtualized guest operating systems. When installed, these drivers improve the performance of virtual servers created with the Xen open source virtualization software integrated in SUSE Linux Enterprise 10. Specifically, the drivers open an additional channel of communication between the Xen hypervisor and the unmodified guest operating system, accelerating network and storage input/output and improving overall efficiency.

Protect Your Investments

Over the years, you've invested an enormous amount of time and money in legacy and custom applications, most of which are only supported on older operating systems. Now, you can use the SUSE Linux Enterprise Virtual Machine Driver Pack to extend the useful life of this software. Running legacy workloads on newer, more powerful, energy-efficient

hardware will protect your investments and save you money in the long run.

Increase Flexibility and Choice

When it comes to virtualization, Novell delivers essential flexibility. The SUSE Linux Enterprise Virtual Machine Driver Pack contains a comprehensive assortment of paravirtualized drivers for common Windows operating systems:

- **SUSE network, bus and block drivers for Windows guests**
 - *SUSE Drivers for Windows Server 2003 on Xen (32-bit and 64-bit)*
 - *SUSE Drivers for Windows 2000 on Xen (32-bit)*
 - *SUSE Drivers for Windows XP on Xen (32-bit and 64-bit)*

And the innovation is ongoing. Future updates to the SUSE Linux Enterprise Virtual Machine Driver Pack will include drivers for additional Linux operating systems.

- **SUSE network, bus and block drivers for Linux guests**
 - *SUSE Drivers for Red Hat* Enterprise Linux 4 on Xen*
 - *SUSE Drivers for Red Hat Enterprise Linux 5 on Xen*

Paravirtualized device drivers for SUSE Linux Enterprise Server 10 SP1 are available on SUSE Linux Enterprise Server 10 SP1 media, as well as through corresponding Novell® Customer Center update channels. Paravirtualized drivers for SUSE Linux Enterprise Server 9 SP3 will be available via the Novell Customer Center in the second half of 2007.

Note: *To take advantage of these drivers, you must upgrade your underlying host operating system to SUSE Linux Enterprise Server 10 SP1 (Xen 3.0.4) and use either Intel-VT or AMD-V* hardware-assisted systems.*

Count on Affordable Pricing and Enterprise Support

You can purchase the SUSE Linux Enterprise Virtual Machine Driver Pack as a one- or three-year subscription, which includes both maintenance and support. Tiered pricing gives you flexibility, allowing you to choose your subscription based on the number of virtual machine instances (VMs) you to plan to run on each physical server.

	1-Year Subscription		3-Year Subscription	
	Up to 4 VMs	Unlimited VMs	Up to 4 VMs	Unlimited VMs
VLA [†]	US\$299	US\$699	US\$749	US\$1,749
MLA [†]	US\$449	US\$1,049	US\$1,119	US\$2,619

[†]VLA and MLA stand for Volume License Agreement and Master License Agreement, respectively. For more information about Novell buying programs, please visit: www.novell.com/licensing/buyingprograms.html

The price of the subscription includes maintenance and any updates to the driver pack via Novell Customer Center update channels. Also included is installation and break/fix technical support for the paravirtualized drivers.

Note: Specific support terms and conditions for the driver pack are inherited from the SUSE Linux Enterprise Server 10 SP1 subscription used to create the virtual machines.

Please see the official Novell price list at www.novell.com/licensing/price/index.html for additional information about pricing under our various volume, master and OEM buying programs.

Deploy Your Virtualization Solution Today

Are you ready for all the benefits of virtualization? You can purchase the SUSE Linux Enterprise Virtual Machine Driver Pack from a participating Novell distributor or reseller, as well as from your Novell sales representative. Request a call by completing the online form at: www.novell.com/company/sales_call_request.html

For more information about the SUSE Linux Enterprise Virtual Machine Driver Pack, and to obtain a 60-day evaluation copy of the product, please visit: www.novell.com/vmdriverpack

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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