



# Integrated, Fully Supported Virtualization for Your SAP\* Applications

You know that virtualization increases utilization, cuts costs and improves flexibility. Now, with Virtualization from Novell®, you can reap virtualization's many benefits in your SAP environment. SAP fully supports virtualization from Novell virtualization, giving you a more reliable, flexible and cost-effective platform for your mission-critical SAP applications.

## Optimize Your SAP Infrastructure with Virtualization from Novell

Forward-looking enterprises choose server virtualization solutions to maximize hardware use and eliminate server sprawl. Virtualization can dramatically reduce your purchase, provisioning and maintenance costs by consolidating business applications and services on a limited number of servers. It can also improve your organization's flexibility, enabling it to dynamically respond to rapidly changing resource and application needs. Now you can deploy your SAP applications in a virtualization environments that's officially supported by SAP.

Virtualization for SAP deployments can bring enormous advantages to your business, including:

- **Lower costs.** Consolidating servers can dramatically reduce the total cost

*of maintaining your SAP infrastructure. And when you couple server consolidation with centralized management, you can significantly lower total cost of ownership for your entire data center.*

- **Greater flexibility.** With virtualization solutions from Novell, you can dynamically and automatically deploy virtual machine images on existing hardware—making it quick and easy to provision existing SAP environments. You can also quickly test and deploy new SAP applications.
- **Increased server utilization.** Virtualization enables you to use servers and other resources more efficiently. You can boost server utilization by as much as 80 percent, which means you can run your SAP applications on fewer servers.
- **Reduced power consumption.** With virtualization and consolidation, you can reduce cooling requirements, cut power bills and decrease management demands.

### ■ Solutions:

Virtualization

### ■ Products:

SUSE Linux Enterprise Server

Novell ZENworks Orchestrator

SUSE Linux Enterprise Server

Priority Support for SAP Applications

Want to deploy your SAP applications on Linux? Now you can because SAP and Novell offer long-term support and maintenance for Linux. Not surprisingly, SAP recommends SUSE Linux Enterprise Server as a preferred platform for companies who want to run SAP on Linux.

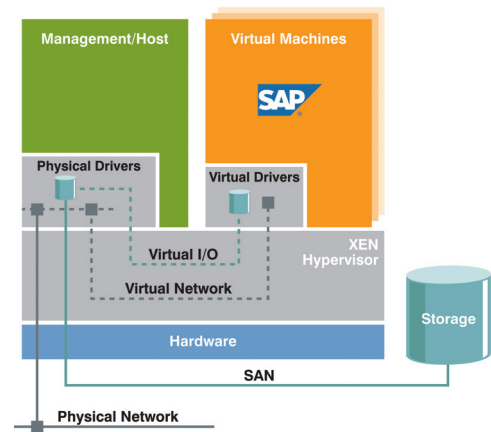


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### ***Virtualize Your SAP Environment***

Novell builds its integrated virtualization solutions on the powerful capabilities of SUSE® Linux Enterprise Server. With its innovative open source engineering, unmatched interoperability and integrated Xen-based virtualization, SUSE Linux Enterprise Server is an unparalleled foundation for virtualization in your data center.

Given today's heterogeneous computing environments, it's little wonder that businesses ranging from chip manufactures to server vendors and software companies have rallied around Xen\*—the open source virtualization project that enables multiple operating systems to run on a single server. Xen technologies enable virtualized operating systems to communicate directly with the server, ensuring fast, efficient performance. Already deployed in data centers worldwide, Xen is proven, stable and reliable. What's more, joint tests by Novell and SAP confirm that SUSE Linux Enterprise Server with Xen meets SAP's stringent performance requirements. As a result, SAP fully supports its applications—including SAP NetWeaver\* and SAP MaxDB—running on Xen paravirtualized virtual machines.



Running SAP applications on a Xen virtual machine lets you consolidate server workloads, reducing your company's capital and management costs. And because physical hardware no longer constrains its computing infrastructure, your company also enjoys increased responsiveness and agility. It's also easy to move virtual machines between physical servers, which enhances business continuity and drastically cuts recovery time in the event of problems. All of these things add up to a more reliable, flexible and cost-effective environment for business-critical SAP computing.

### ***Manage Your Virtual SAP Environment Automatically***

Virtualization solutions can help you cut costs by increasing server efficiency and agility; however, increased management costs could offset these gains if you don't properly manage your virtual machines. To get the most from your virtualization solution, you need to intelligently and cost effectively manage both virtual and physical resources. Novell ZENworks® Orchestrator can help. As part of our virtualization solution, Orchestrator manages and provisions all of your computing resources, making it easy to meet constantly changing needs.

Your business doesn't stand still, and neither should your data center resources. Orchestrator automatically launches new virtual machines to meet peak demands and deprovisions the machines when demand drops, freeing resources for use elsewhere. It keeps your physical and virtual resources working together and focused on business priorities. When problems arise, it automatically takes action, repurposing virtual machines and migrating workloads on the fly. And it includes an integrated lifecycle management model for both physical and virtual machines.

With intelligent automation from Novell virtualization solutions, you can flexibly manage heterogeneous data-center resources in alignment with your IT business requirements. Our solutions enable you to:

- *Make your technologies work together for maximum value*
- *Align IT policy with business objectives*
- *Implement redundancy, high availability and disaster recovery*
- *Enforce policies automatically*
- *Lower costs through reduced power consumption, better utilization and simpler management*

### ***SUSE Linux Enterprise Server Priority Support for SAP Applications***

Because nothing is more mission critical than your SAP computing environment, Novell has created a special offering exclusively for you. Customers who virtualize their SAP applications using SUSE Linux Enterprise Server with Xen now have a single point of entry to Novell support. You can streamline issue resolution, reduce complexity and lower the total cost of owning your Novell virtualization solution. SUSE Linux Enterprise Server Priority Support for SAP Applications

delivers the maintenance and support you need, so you can confidently deploy SAP on SUSE Linux Enterprise Server. The support package will be integrated through the SAP Solution Manager into the SAP global support backbone for managing the entire life cycle of SAP applications.

With the integration of SUSE Linux Enterprise Server into the SAP Solution Manager, you can be confident that SAP and Novell will understand your entire IT infrastructure, its integration points and your unique configuration. With this knowledge, Novell and SAP can greatly enhance your technical support experience and more quickly resolve any issues that might occur in your environment.

### ***A Winning Partnership***

SUSE Linux Enterprise Server Priority Support for SAP Applications is only the latest step in a broad partnership between Novell and SAP. Together, Novell and SAP deliver seamless product integration for a comprehensive server, application and support experience. The success of the partnership between Novell and SAP rests on the winning combination of SAP applications and SUSE Linux Enterprise Server, coupled with an extensive global support program. Both companies enjoy a global network of experts that covers all areas of support—from consulting to implementation, and from operation to maintenance.

Furthermore, SAP and Novell also collaborate in the Germany-based SAP LinuxLab to continually improve Linux\* and develop it further for commercial use. The lab carried out extensive tests to demonstrate both stability and scalability when running SAP software in a data center environment that includes Xen virtualization.

## **Integrated, Fully Supported Virtualization for Your SAP Applications**

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**Virtualization from Novell offers open source, operating system-based virtualization with cross-platform systems management. It is the most robust and best-supported open source virtualization solution. Our virtualization solutions operate seamlessly with your existing IT infrastructure and deliver an integrated suite of tools for virtualization management and automation.**

Virtualization from Novell gives all the benefits of virtualization with the added scalability and cost-effective management provided by automation. You can reduce costs across the board for software, hardware, management and service. You can improve resource utilization and respond quickly to business needs

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You can now confidently deploy your SAP applications in a virtualized environment using Virtualization from Novell. Our solution gives you all the benefits of virtualization with the added scalability and cost-effective management provided by automation. With our solution, you don't just shift costs from

one area to another. You reduce costs all across the enterprise—in hardware, software, management and services. Call your Novell Partner today to learn how virtualization can optimize your data center. Or visit us on the Web at: [www.novell.com/virtualization](http://www.novell.com/virtualization)



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