



Virtualization and Workload Management

Are you considering virtualization to build a more efficient and flexible data center? Virtualization and Workload Management solutions from Novell reduce cost and complexity while helping you build the agile data center of your dreams. Prepare your enterprise today for the cloud computing architectures of tomorrow with our integrated, platform-agnostic suite of workload management products.

Confront Data Center Challenges Today

Thousands of organizations around the world are using virtualization to reduce IT costs while increasing the efficiency, utilization and flexibility of their existing data centers. Virtualization can dramatically reduce purchase, provisioning and maintenance costs by consolidating applications and services to run on a smaller number of highly scalable and reliable enterprise-class servers.

Virtualization and Workload Management solutions from Novell optimize the data center by profiling, migrating and protecting server workloads across the enterprise. Our solutions lower data center costs, simplify the management of mixed IT environments and improve the speed and quality of key data center initiatives.

Our virtualization and workload management capabilities include:

Efficient Server Consolidation and Capacity Planning

Organizations can virtualize their entire server infrastructure using one integrated suite of products with complete support for all major operating systems. Novell capacity and migration planning products deliver the flexibility needed to optimize your data center and dramatically increase server utilization without lengthy downtimes and without impacting performance. Leverage existing investments in virtual infrastructure by using PlateSpin® Migrate and PlateSpin Recon to accelerate ROI and simplify workload deployment and lifecycle management.

Assess, plan and move workloads between physical servers, virtual hosts and image archives with minimal downtime and risk of failure. With our products you can:

- *Inventory and assess both physical and virtual infrastructure*

■ Solutions:

Virtualization and Workload Management

■ Products:

PlateSpin Recon
PlateSpin Migrate
PlateSpin Protect
PlateSpin Forge
PlateSpin Orchestrate
SUSE Linux Enterprise Server



“PlateSpin products help our small team of just three engineers scale to support over 700 virtual machines.”

Troy Szabo

Senior Systems Engineer
NVIDIA



Novell is the only vendor offering an integrated management suite for workload mobility, workload protection and workload lifecycle management that supports every major virtualization platform.



“PlateSpin products saved Essent about €2 million for the data centre consolidation project alone. The solution also made it possible to complete our data centre consolidation without any costly business disruption, and with considerably reduced risk.”

Marco Spoel
Project Manager,
IT Infrastructure
Essent

- *Create an optimized server consolidation plan*
- *Perform live workload migrations*
- *Test migrated workloads before cutting over*
- *Synchronize the source and target servers and go live*

Reliable Disaster Recovery

In today's on-demand environment, downtime is costly. Enterprises must minimize planned downtime and recover quickly from unplanned downtime. Using virtualization for disaster recovery can enhance the ROI on your existing infrastructure investments. PlateSpin Protect enables scalable, industrial-strength disaster recovery while PlateSpin Forge® is a turnkey appliance that can safeguard up to 25 workloads in a self-contained recovery environment.

Seamless Management of Physical and Virtual Infrastructures

Imagine being able to manage your entire data center infrastructure from a single pane of glass. Novell® solutions, including PlateSpin Orchestrate and PlateSpin Recon, allow you to manage your heterogeneous data center resources in alignment with IT business requirements. Optimize the balance between physical and virtual infrastructure through ongoing workload monitoring and the automatic consolidation, deconsolidation and free movement of server workloads throughout the network.

Our integrated workload management suite eliminates complexity by managing and provisioning both physical and virtual computing resources. Agile, policy-based management

of heterogeneous virtual and physical workloads dramatically reduces overhead costs while boosting scalability.

Novell Solutions Solve Tough Data Center Problems

Successful data center initiatives such as server consolidation and disaster recovery require upfront planning, analysis and ongoing monitoring to ensure a maximum return on investment. Best-of-breed virtualization and workload management products deliver the right tools to evolve your infrastructure:

PlateSpin Recon

PlateSpin Recon monitors, analyzes and determines the optimal fit between resource supply and workload demand. PlateSpin Recon ensures that the right server infrastructure is matched to the right application workload to maximize performance while minimizing hardware cost and reducing the wasted space and energy caused by underutilized hardware.

Top three reasons to purchase PlateSpin Recon:

- *Improve the speed, quality and accuracy of data center initiatives*
- *Better manage your virtual infrastructure*
- *Enjoy enterprise-level scalability and multi-platform support*

PlateSpin Migrate

PlateSpin Migrate is a powerful, enterprise-ready workload portability and protection solution. It optimizes the data center by streaming server workloads over the network between physical servers, virtual hosts and image archives. It remotely decouples workloads from the underlying server hardware and streams them to and from any physical or virtual host with a simple drag and drop. Accelerate workload migrations while reducing downtime and minimizing risk.

Top three reasons to purchase PlateSpin Migrate:

- *Enterprise-ready, anywhere-to-anywhere workload migration*
- *Live testing and server synchronization*
- *Broad multi-platform support*

PlateSpin Protect

PlateSpin Protect is a simple, flexible and cost-effective solution for protecting both physical and virtual workloads. It uses your existing virtual infrastructure to back up and recover entire workloads, including the operating system, applications and critical business data. In the event of a production server outage or disaster, workloads can be rapidly powered on, continuing to run as normal in a recovery infrastructure, and then returned to either original or replacement servers once the production environment is restored.

Top four reasons to purchase PlateSpin Protect:

- *Leverage unused virtual capacity*
- *Protect both physical and virtual servers*
- *Enjoy flexible protection options: image or virtual machine*
- *Restore back to virtual or physical servers*

PlateSpin Forge

PlateSpin Forge is a self-contained hardware appliance for disaster recovery that replicates and protects critical server workloads. In the event of downtime, workloads can rapidly failover to the PlateSpin Forge environment and continue to run as normal, and then quickly transition back to a restored production environment.

Top four reasons to purchase PlateSpin Forge:

- *All-in-one hardware appliance for disaster recovery*

- *Turn-key protection for up to 25 workloads*
- *Robust WAN performance ideal for remote and branch office backups*
- *Cost-effective, high-performance protection*

PlateSpin Orchestrate

PlateSpin Orchestrate is a powerful engine that brings the world of virtualization and high-performance computing together. Advanced technologies integrate and automate even the most diverse data center environments, maximizing value while automatically adjusting to demand. Whether your virtual infrastructure is based on VMware*, Hyper-V* or Xen*, PlateSpin Orchestrate can make your data center sing.

Top four reasons to purchase PlateSpin Orchestrate:

- *Policy-based automation of tasks*
- *Automated lifecycle management heterogeneous virtual resources*
- *Orchestrates third-party virtual machines and management tools*
- *Integrated management tools via CIM*

SUSE® Linux Enterprise Server

SUSE Linux Enterprise Server is the best platform for mission-critical workloads in the data center. It includes the Xen hypervisor, an open source hypervisor that supports both paravirtualized and fully virtualized VMs. SUSE Linux Enterprise Server 11 runs UNIX*, Linux* and Windows* virtual machines with maximum performance and manageability.

SUSE Linux Enterprise Server is also the perfect guest operating system for virtual deployments. Our technical collaboration with VMware, Microsoft and the Xen community have resulted in optimizations that give SUSE Linux Enterprise Server a performance advantage over other operating systems, whether it is running on VMware ESX*, Microsoft* Hyper-V or Xen. With SUSE Linux Enterprise Server, you can achieve

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With world-class consulting, training and support services from Novell and our partners, you will see fast, impressive and long-term returns from our Virtualization and Workload Management solutions.

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maximum performance in virtual deployments while receiving comprehensive technical support from Novell and your hypervisor provider of choice.

Top three reasons to purchase SUSE Linux Enterprise Server for virtualization:

- *Open source platform offers incredible flexibility and eliminates vendor lock-in*
- *Integrated Xen hypervisor provides unparalleled performance and rock-solid stability.*
- *Optimized for maximum performance while running as a guest operating system*

Backed by Services from Novell and Our Partners

With world-class consulting, training and support services from Novell and our partners, you will see fast, impressive and long-term returns from our virtualization and workload management solutions. At Novell, we consider the pursuit of quality and continuous improvement to be an ongoing responsibility

of every employee in our organization. Take full advantage of the promises of virtualization and minimize your risk by choosing a complete solution backed by world-renowned Novell expertise and support.

Your Next-generation Data Center Is Waiting

Virtualization has great promise, but better capacity planning and modeling are necessary to avoid resource bottlenecks and virtual sprawl. Virtual servers require a new management approach that encompasses upfront planning, workload lifecycle analysis and continuous monitoring. Ensure the true value of your IT services is visible across the enterprise, while increasing the reliability and performance of your infrastructure. Get more from existing IT investments, lower total cost of ownership, and make your IT infrastructure work as one with proven virtualization and workload management solutions from Novell. To learn more, please visit: www.novell.com/virtualization



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

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