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PlateSpin Migrate

Multiplatform Workload Portability

PlateSpin® Migrate is a powerful workload portability solution that automates the process of moving server workloads over the network between physical servers, virtual hosts and image archives. PlateSpin Migrate remotely decouples workloads from the underlying server hardware and streams them to and from physical or virtual hosts—all from a single point of control.

PlateSpin Migrate provides organizations with a mature, proven solution for testing, migrating and rebalancing workloads across infrastructure boundaries from desktops to data centers.

Anywhere-to-Anywhere Migration for All Workloads in the Data Center

Modern data centers employ a mix of different hardware platforms, operating systems and virtualization technologies that must work together for operational efficiency, agility and business growth. PlateSpin Migrate reduces cost, complexity and risk in the data center by working nimbly in this complex environment. It provides a unified approach to solving critical IT challenges.



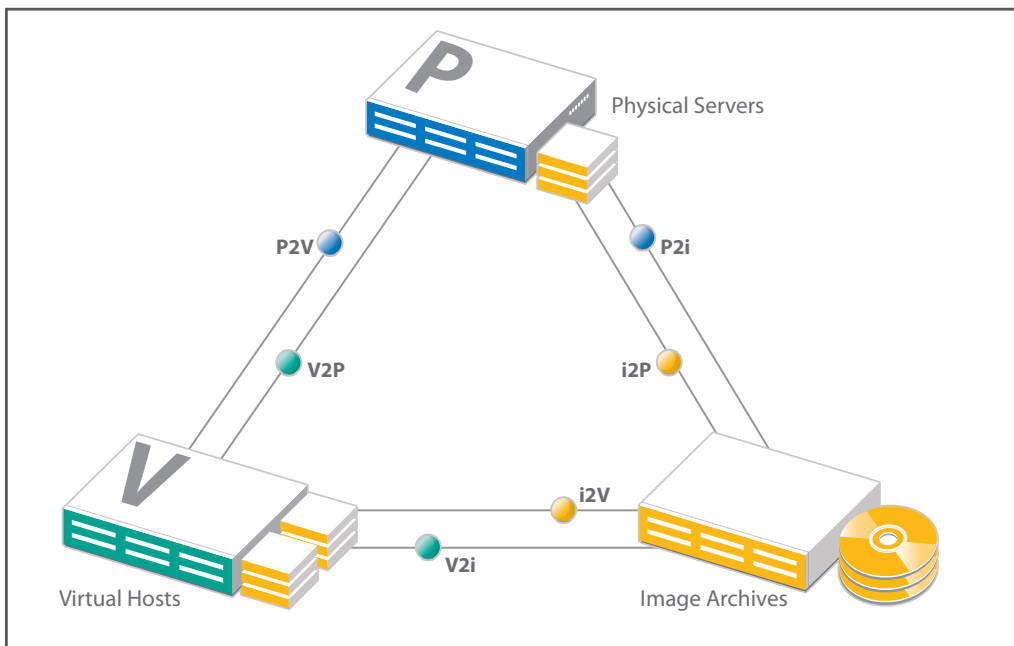
SOLUTION

Workload Management

PRODUCT

PlateSpin® Migrate

The PlateSpin product family is a portfolio of enterprise-class products that simplifies server-workload management across today's mixed IT environments.



PlateSpin Migrate performs anywhere-to-anywhere workload migration with the broadest multiplatform support for hypervisors, operating systems, and server hardware.

Legend: P2V—Physical-to-Virtual V2P—Virtual-to-Physical i2P—Image-to-Physical
 i2V—Image-to-Virtual P2i—Physical-to-Image V2i—Virtual-to-Image



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

Marco Spoel

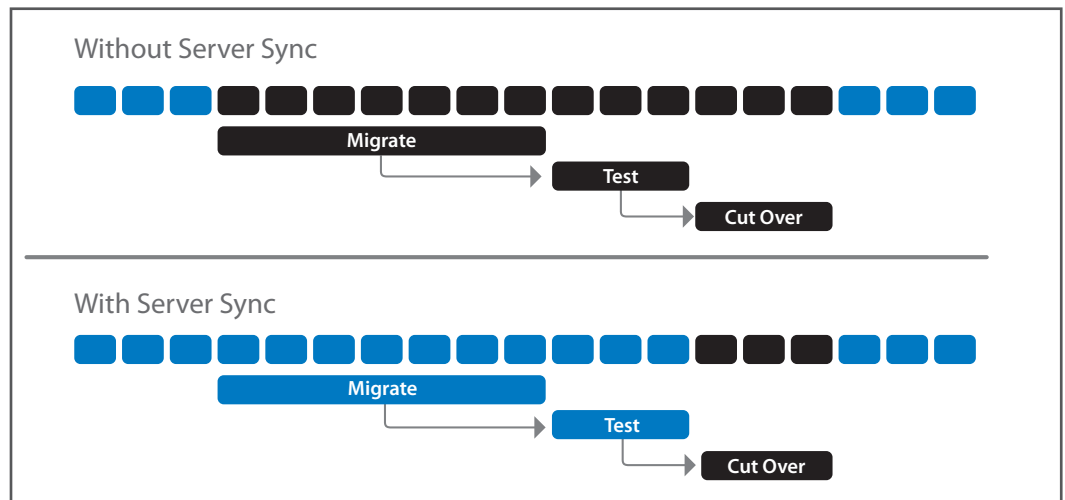
Project Manager, IT Infrastructure
Essent

Improve the Speed and Quality of Data Center Initiatives with PlateSpin Migrate

- > **Server and Data Center Consolidation** – Quickly and easily consolidate workloads from physical servers to virtual machines or new hardware by automating the workload migration phase of your server consolidation or data center consolidation initiative.
- > **Hardware Lease Migration** – Rapidly move workloads from end-of-lease servers to

new, high-performance hardware with fast and efficient physical-to-physical (P2P) workload migrations.

- > **Data Center Relocation** – Reduce the time and effort required to relocate your data center by streaming live or offline server workloads directly from one location to another over a wide area network (WAN).
- > **Server Provisioning** – Add flexibility and agility to your data center by dynamically provisioning new servers and continually optimizing physical and virtual resources.



Black squares indicate downtime with and without PlateSpin Migrate.

To reduce the risks associated with workload migration and avoid downtime, the PlateSpin Migrate Server Sync capability enables live testing as an embedded part of workload migration with no disruption to production systems.

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Key Features

- > **Anywhere-to-Anywhere Workload Migration** – Automatically configure any server workload to operate on a new target environment. PlateSpin Migrate supports all of the leading virtualization solutions—including VMware vSphere, ESX and ESXi, Microsoft HyperV, SUSE® Linux Enterprise Server with Xen, and Citrix XenServer; as well as multiple operating systems, hardware configurations and imaging technologies. PlateSpin Migrate makes all driver, kernel and other necessary changes.
- > **Support for 64-Bit Windows and Linux Workloads** – Move critical 32-bit and 64-bit Windows and Linux workloads across infrastructure boundaries. PlateSpin Migrate provides full support for most Windows environments, including 64-bit Windows 2008 workloads. PlateSpin Migrate also provides 64-bit Linux physical and virtual functionality for both SUSE Linux Enterprise Server and Red Hat Enterprise Linux.
- > **Block-level and File Replication** – Move highly transactional workloads, such as mail servers and database servers, with block-level replication. Using block-level transfer, PlateSpin Migrate replicates only the changed portions of files, thus making it ideal for incrementally synchronizing large database servers and enabling efficient offsite data transfers. For more static workloads, file-based replication provides fast, efficient and cost-effective workload migration while maintaining server uptime.
- > **Server Sync** – Reduce the risks associated with workload relocation projects like server consolidation and data center relocation. Server Sync allows you to perform an initial transfer to the target site or host, test the workload in the new location, and then perform a final sync before cutting over the workload—all while continuing to run the source. Server Sync also removes the necessity for multiple full system replications to significantly accelerate workload migrations over WANs.
- > **Scalability** – Dramatically reduce the time required to complete large-scale data center initiatives such as server consolidation or hardware migration. On high-performance server hardware, PlateSpin Migrate enables up to 40 simultaneous workload migrations.
- > **Task-Based Wizards and Drag-and-Drop Interface** – Reduce learning curves and simplify workload migration with the PlateSpin Migrate drag-and-drop interface and intuitive built-in workflows. Task-based wizards for common actions and advanced job configuration capabilities make the process of configuring migration jobs and moving, copying and deploying workloads easier and more reliable.
- > **On-the-Fly Configuration** – Reconfigure and adjust CPU, disk, memory and network resources on the fly to match changing workloads and target-machine resources.
- > **Industry-Leading Automation** – Accelerate workload migration activities and reduce manual errors with the highest level of automation. Automate post-migration tasks with custom batch files or user-defined scripts to minimize manual intervention and free up valuable IT resources for other tasks.

“The automated PlateSpin solution has saved us some 2,200 hours of configuration time and effort—that’s a savings of 300 work days or almost 17 months of labor for our IT team...”

Steve Houghton

Infrastructure Solutions Architect
Norwich Union IT Solutions

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To learn more about PlateSpin Migrate or to start a trial, go to www.netiq.com/migrate.

- > **Multiple Image Support** – Reuse and redeploy PlateSpin Flexible Images or leverage existing third-party image inventories over and over across different hardware for quick conversion deployment. Capture the image once; reuse it repeatedly.
- > **Role-Based Access** – Manage and monitor user activities and assign the right privileges to the right users. PlateSpin Migrate includes a range of security features such as user authentication, authorization and logging.
- > **Cohesive Planning and Execution** – Combine PlateSpin Migrate with PlateSpin Recon, an analysis and planning product, to obtain the only solution that automates and integrates the assessment, planning, testing and migration phases of successful data center initiatives.

PLATESPIN MIGRATE TECHNICAL SPECIFICATIONS

SERVER OPERATING SYSTEMS	DESKTOP OPERATING SYSTEMS	HYPERVISORS	HARDWARE VENDORS (Standalone & Blade Servers)
• Windows 2012	• Windows 8	• VMware vSphere	• Dell
• Windows 2008 (32- and 64-bit)	• Windows 7	• VMware ESX	• HP
• Windows 2003 (32- and 64-bit)	• Windows Vista (32- and 64-bit)	• VMware ESXi	• IBM
• Windows 2000	• Windows XP (32- and 64-bit)	• Microsoft Hyper-V	• Unisys
• SUSE Linux Enterprise Server (32- and 64-bit)	• Windows 2000	• SUSE Linux Enterprise with Xen	• Cisco
• Red Hat Linux (32- and 64-bit)		• Citrix XenServer	• Others
• Novell® Open Enterprise Server 2			

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