

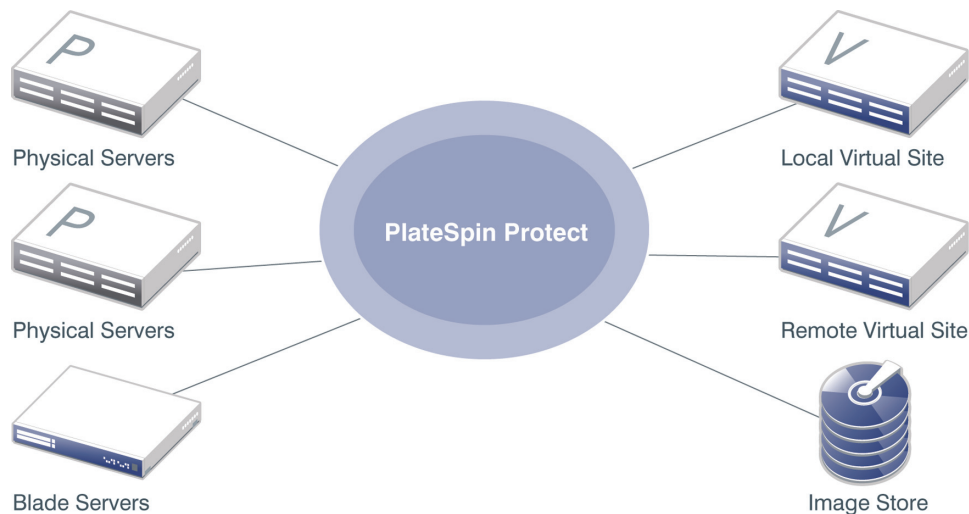


# PlateSpin® Protect: Disaster Recovery for Server Workloads

PlateSpin® Protect is a powerful workload protection solution from Novell that replicates and rapidly recovers whole server workloads including data, applications and operating systems—all from a single point of control. In the event of a production server outage or disaster, workloads can be rapidly powered on and continue to run as normal until the production environment is restored. PlateSpin Protect provides a simple, flexible and cost-effective solution for protecting physical and virtual workloads in the data center.

- **Solutions:**  
Virtualization and Workload Management
- **Products:**  
PlateSpin Protect

PlateSpin Workload Management from Novell is a portfolio of enterprise-class products that simplifies the management of server workloads across today's mixed IT environments.



**Figure 1.** With PlateSpin Protect, enterprises of all sizes can replicate and recover both physical and virtual workloads in the data center using a choice of local and remote virtual machines and image archives.

# With PlateSpin Protect, recovery time in the event of failure is as simple as powering on a virtual machine.

Unlike traditional recovery options that require you to purchase identical duplicate servers for one-to-one redundancy, PlateSpin Protect allows you to quickly and easily restore workloads to different configurations and models of servers, and even to servers from different manufacturers. By letting you leverage original recovered hardware or new hardware following a server failure or disaster, PlateSpin Protect's flexible restore capability dramatically accelerates recovery time.

## Key Benefits

### *Flexible, Efficient and Cost-effective Workload Protection and Recovery*

Offering a range of workload protection alternatives in a single product, PlateSpin Protect provides a flexible, cost-effective solution for protecting a broad range of physical and virtual workloads. Depending on the specific recovery requirements of different types of workloads, organizations can opt for flexible image backup and hardware-independent restore or consolidated recovery using virtualization as a recovery platform for physical or virtual workloads.

### *Quicker, Smarter, More Economical*

PlateSpin Protect revolutionizes the way disaster recovery solutions are deployed, tested and managed by offering an affordable and easy-to-use solution for protecting all

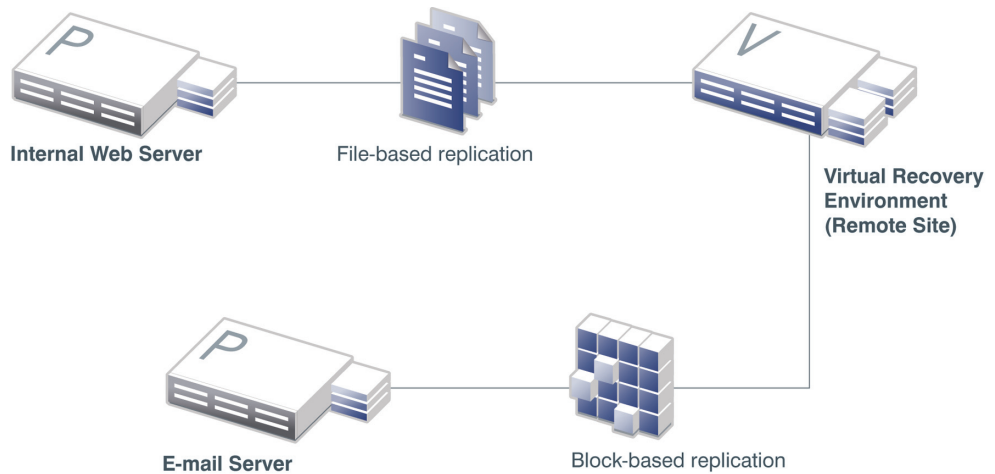
workloads in the data center. With PlateSpin Protect, data centers can protect whole server workloads—both system and data volumes—within a single bootable recovery environment using virtualization.

### *Easier to Test*

Regular testing is a critical but often overlooked component of a disaster recovery plan. PlateSpin Protect allows organizations to rapidly and easily test the integrity of protected workloads. With a single click, users can take a virtual snapshot of the recovery workload, power it on and quickly validate the recovery plan without disrupting the production environment.

### *Faster to Recover and Restore*

With PlateSpin Protect, recovery time in the event of failure is as simple as powering on a virtual machine. PlateSpin Protect enables organizations to cost-effectively improve recovery time and point objectives across a broad range of server workloads. PlateSpin Protect gives organizations the flexibility to restore workloads to physical or virtual hosts regardless of manufacturer, make or model.



**Figure 2.** PlateSpin Protect enables both file-based and block-based replication. File-based replication provides the fastest solution for protecting stateless or low I/O workloads while maintaining server uptime. High-speed block-based replication enables the protection of transactional workloads such as mail and database servers.

## Key Features

### ***Cost-effective Consolidated Backup and Recovery***

Incremental synchronization can occur at user-defined intervals to maintain currency between production environments and virtual standby systems. Multiple hardware-independent virtual recovery environments can be hosted on a single hypervisor to provide an affordable disaster recovery alternative for previously under-protected servers.

### ***Easy Test Recovery***

PlateSpin Protect allows data centers to quickly test recovery plans without disruption to the backup process, bringing simplified, auditable testing to disaster recovery procedures.

### ***One-click Failover***

Recover workloads quickly by booting up a replicated copy on the virtual recovery server.

### ***Secure Conversions***

128-bit AES encryption and end-to-end SSL support provide state-of-the-art protection for high-security data center environments.

### ***PlateSpin Flexible Images***

Reduce recovery costs by maintaining a library of hardware independent images which can be deployed to any hardware make or model to recover the workload. This option is ideal for offsite hosted recovery where similar hardware is not always available or when the recovery process needs to be tested on a regular basis. You can even recover individual files or folders from your backup images.

### ***Multiplatform Workload Protection***

PlateSpin Protect supports different virtualization solutions including VMware\*

ESX and ESXi, as well as multiple operating systems, hardware configurations and imaging technologies.

### ***Support for Windows and Linux Workloads***

PlateSpin Protect allows organizations to protect all their critical Windows\* and Linux\* workloads, with one robust product. PlateSpin Protect provides full support for a mixed-platform environment including support for Windows as well as SUSE® Linux Enterprise from Novell.

### ***Live Incremental Replication***

PlateSpin Protect enables the incremental replication or incremental image capture of active Windows servers without taking the source servers offline or having to reboot. Incremental imaging allows you to recover from corrupted systems or configuration mistakes using historical point in time recovery points.

### ***Multiple Concurrent Replications***

Workload protection initiatives demand reliable and efficient replication. PlateSpin Protect enables multiple concurrent workload replications for maximum efficiency and scalability.

### ***Block-level and File Replication***

Block-level replication enables the protection of transactional workloads such as mail servers and database servers. With block-level transfer, only the portion of a file that has changed is replicated, making it ideal for incrementally synchronizing large database servers and enabling efficient offsite data backups. File-based replication provides a fast and efficient solution for protecting more static workloads while maintaining server uptime.

## **PlateSpin Protect: Disaster Recovery for Server Workloads**

[www.novell.com](http://www.novell.com)



**“By enabling us to regularly replicate data across different sites, these PlateSpin technologies from Novell have practically eliminated the risk of a catastrophic failure of our IT systems.”**

**Steve Frost**

*Infrastructure Manager  
HPS Pharmacies*

### Automatic Discovery

Automatically discover existing physical or virtual machines throughout the network for complete visibility into the data center landscape including hardware, operating systems, services and application inventory. This feature allows you to quickly identify workloads that should be protected using discovered workload details.

### Central Management Console

Whether you are protecting workloads via images or replication to standby virtual machines, PlateSpin Protect allows you to manage your protection environment through a single secure console. The management console connects to the management server over standard Web protocols, making it easy to use across multiple data center sites and firewalls.

### On-the-fly Configuration

Reconfigure and right-size CPU, disk, memory and network resources on-the-fly to adjust to changing workloads and target recovery machine resources. Change critical parameters on restore and right-size the target recovery server to match workload demands.

### Role-based Access

PlateSpin Protect includes a range of security features including user authentication, authorization and logging so that system administrators can effectively manage and monitor user activities, assigning the right privileges to the right users.

### Cohesive Planning and Execution

PlateSpin Protect works in tandem with PlateSpin Recon, the Novell analysis and planning solution, to provide the only solution that automates the assessment, planning, testing and replication phases of a successful disaster recovery initiative.



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.

1800 South Novell Place  
Provo, UT 84606 USA

Server Operating Systems	Desktop Operating Systems	Target Hypervisors	Hardware Vendors (Standalone and Blade Servers) <sup>†</sup>
<ul style="list-style-type: none"> <li>■ Windows Server 2008 (32 and 64-bit)</li> <li>■ Windows Server 2003 (32 and 64-bit)</li> <li>■ Windows 2000</li> <li>■ SUSE Linux Enterprise (32 and 64-bit)</li> <li>■ Red Hat* Linux (32 and 64-bit)</li> <li>■ Novell® Open Enterprise Server 2</li> </ul>	<ul style="list-style-type: none"> <li>■ Windows Vista* (32 and 64-bit)</li> <li>■ Windows XP pro</li> <li>■ Windows 2000</li> </ul>	<ul style="list-style-type: none"> <li>■ VMware ESX</li> <li>■ VMware ESXi</li> </ul>	<ul style="list-style-type: none"> <li>■ Dell</li> <li>■ HP</li> <li>■ IBM</li> <li>■ Unisys</li> <li>■ Cisco</li> <li>■ Fujitsu</li> </ul>

<sup>†</sup>Contact PlateSpin for current hardware compatibility