



PlateSpin Forge®: Plug In and Protect Server Workloads

PlateSpin Forge® is a disaster recovery hardware appliance that provides a smarter, faster and more affordable way to replicate and protect server workloads in the data center. In the event of downtime, workloads can be rapidly powered on in the PlateSpin Forge recovery environment and continue to run as normal, and then restored when the production environment is repaired or replaced. PlateSpin Forge ships with everything you need to begin protecting your servers straight out of the box.

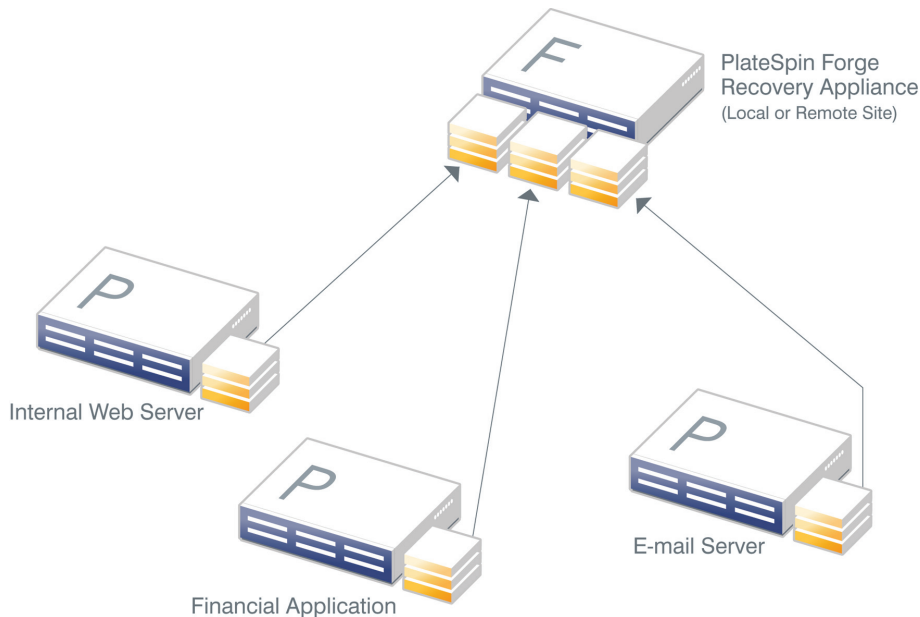


Figure 1. With PlateSpin Forge, organizations can protect workloads across geographically dispersed sites and rapidly recover in the event of server downtime or a site disaster—without having to invest in costly duplicate hardware or redundant operating system and software licenses.

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



“The great advantage of PlateSpin Forge is that you just plug it in and it works; it’s so easy to use that the training requirements for IT staff are minimal.”

Steve Frost
Infrastructure Manager
HPS Pharmacies



With PlateSpin Forge, you can begin to reliably protect your physical and virtual workloads in a matter of hours.

PlateSpin Forge enables you to cost-effectively improve recovery time and point objectives across a broad range of Windows and Linux server workloads.

Key Benefits

Protect More Servers for Less

PlateSpin Forge 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. Multiple physical and virtual server workloads can be consolidated onto a single recovery hardware appliance, allowing you to protect a greater percentage of your workloads while avoiding costly duplicate hardware and software investments. With PlateSpin Forge, you can protect whole server workloads—operating system, applications and data—within a single bootable recovery environment.

Reduce Risk with Regular Testing

Regular testing is a critical but often overlooked component of a disaster recovery plan. PlateSpin Forge allows you to rapidly and easily test the integrity of workload replication. With a single click, you can take a virtual snapshot of the recovery workload, power it on within a private internal network and quickly validate the recovery plan to ensure that recovery metrics, including RTO and RPO, are met. Because the test snapshot is fenced off from the production network, you can work without impacting the integrity of your production environment.

Recover Faster in the Event of an Outage

With PlateSpin Forge, recovery is as fast and simple as powering on a virtual machine within the appliance. PlateSpin Forge enables you to cost-effectively improve recovery time and point objectives across a broad range of server workloads. After recovery, PlateSpin Forge provides the flexibility to restore workloads to just about any physical or virtual host regardless of manufacturer, make or model—not just the original server.

Manage the Recovery Environment from a Single Point of Control

The PlateSpin Forge Web-based interface provides an ever-present dashboard that enables you to view the status of your protection plans at all times and manage, monitor and report on all aspects of workload protection. In the event of production server downtime or a disaster, administrators are automatically alerted via email. Notification messages enable context-sensitive actions that can be performed simply by clicking a link within the e-mail from a PC or mobile device. Rich reporting enables administrators and business owners to gain a clear picture of how protection resources are being used in order to maximize performance.

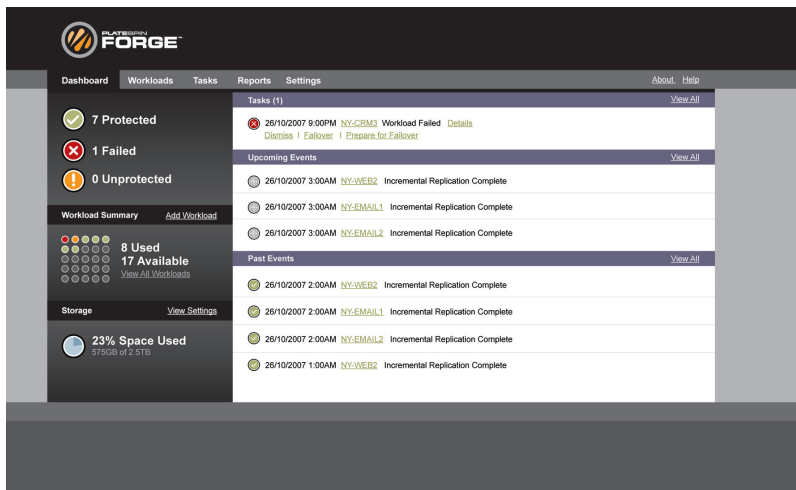


Figure 2. The PlateSpin Forge Web-based management interface lets you view the status of your recovery plan at all times and manage, monitor and report on all aspects of workload protection and recovery.

Key Features

Whole Workload Replication

PlateSpin Forge protects the entire server workload including data, applications and operating systems within a single bootable recovery environment. In contrast to data-centric approaches, whole workload protection provides a context for recovered data and allows organizations to avoid manual system rebuilding and disjointed system and data restore. Protect your physical and virtual workloads with a single technology investment.

Rapid One-click Failover

In the event of a disaster, recovery time is just a matter of powering on PlateSpin Forge virtual standby workload. Upon receiving a failure alert by e-mail, mobile device or within the Web-based user interface, the administrator can rapidly recover workloads with a single mouse click.

Failback Flexibility

Leveraging PlateSpin® multiplatform Workload Portability™ technology, PlateSpin Forge provides flexible restore options. Workload failback can be rapidly executed to almost any physical or virtual host regardless of manufacturer, make or model.

Multiple Recovery Points

PlateSpin Forge supports multiple recovery points which allow enterprises to roll back to the last known good state of a protected workload. This feature enhances business continuity by letting you restore back to the point before a corrupted workload. Administrators can customize the number of recovery points to achieve an optimal balance between storage allocation and protection requirements.

SAN Integration

PlateSpin Forge integrates with existing storage area networks to accommodate current and future recovery requirements. Powerful dashboard and management capabilities allow enterprises to seamlessly protect workloads across the SAN.

Events, Tasks and Actionable Alerts

PlateSpin Forge creates, distributes and logs events to facilitate better management of the disaster recovery plan. Users can be notified of events through e-mail so they don't have to actively monitor systems. When an event occurs that requires user interaction such as executing a workload failover, for example, a task is created with actions associated with it so users know exactly what needs to be done to rectify the issue. Finally, event logging provides a comprehensive audit trail to validate, review and report on the recovery plan.

"Plug In and Protect" Workloads

PlateSpin Forge provides complete protection for up to 25 physical or virtual workloads straight out of the box. All necessary hardware, storage, consolidated recovery software and virtualization technologies are pre-packaged and preconfigured, reducing implementation time and effort.

Easy Test Failover

One-click test failover allows the data center user to rapidly test the integrity of workload replication. Take a virtual snapshot of the recovery workload, power it on within a private internal network and quickly validate the recovery plan.

Multi-tenancy

Protected workloads can be grouped for security administration purposes, allowing a single PlateSpin Forge to protect multiple workloads from different internal departments or external companies.

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By dramatically reducing the time and specialized technical resources needed to implement and test a recovery environment, PlateSpin Forge puts workload protection and recovery within reach for small and medium-sized enterprises as well as departments and branch offices within larger enterprises. For larger implementations, multiple PlateSpin Forge appliances can be deployed and centrally managed through a "single pane of glass" management console.

“When we looked at the cost and complexity of managing other disaster recovery solutions, there was a compelling argument to choose PlateSpin Forge.”

Kevin Brassard

Vice President of Information Services
Nichols College

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Failover Preparation

In the event of a possible production failure, users are able to power up the recovery workload in a fenced off network while the failure is confirmed. Users can then go live with the workload and rapidly “drop the fence” to bring the recovery workload online to failover for the production system or simply shutdown the recovery workload if the failure is a false alarm.

Remote Control

With no boot CDs or physical contact with the primary or recovery workloads required, PlateSpin Forge provides a single control point, saving time and costs associated with having to interact directly with hardware at production or remote recovery sites. Replication agents are automatically deployed and updated.



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

| Model Number | 310 | 325 | 510 | 525 |
|-------------------------------------|-----------|-----------|-----------|-----------|
| Workloads | | | | |
| Number of workloads | 10 | 25 | 10 | 25 |
| Expandable workloads [†] | Yes | — | Yes | — |
| Storage | | | | |
| Base | — | — | 3.5 TB | 3.5 TB |
| Expandable (iSCSI or fiber channel) | Yes | Yes | Yes | Yes |
| Hot swap disks | Yes | Yes | Yes | Yes |
| Memory | | | | |
| Base RAM | 32 GB | 32 GB | 32 GB | 32 GB |
| Processor | | | | |
| CPUs | 2 | 2 | 2 | 2 |
| Total cores | 8 | 8 | 8 | 8 |
| Networking | | | | |
| Replication bandwidth | 6 Gbits/s | 6 Gbits/s | 6 Gbits/s | 6 Gbits/s |
| Number of gigE ports | 6 | 6 | 6 | 6 |
| Physical | | | | |
| Rack Units | 1U | 1U | 2U | 2U |

[†]For the 10-workload appliance only, customers are able to purchase five-workload add-on packages up to a maximum of 25 workloads.

For complete specifications, please contact a sales representative.