SOLUTION BRIEF

SteelEye® Protection Suite for Linux

Fully automated and integrated high availability and disaster recovery solution for Linux applications

Linux provides significant business value in the data center, which explains why business-critical systems are migrating to Linux. The more your business relies on these systems, the greater the need to ensure availability of the applications, middleware, servers and databases that power your business. Equally important, you need to protect the data that drives these systems, keeping it available—even in the event of a disaster.

Integrated Application and Data Protection for the Real World

SteelEye Protection Suite (SPS) for Linux brings best-practice business continuity to organizations with real-world resource constraints. It's the industry's most comprehensive and scalable solution for eliminating Linux server downtime from planned and unplanned outages.

This high availability and disaster recovery solution is the first technology to combine fully automated, application-centric clustering and efficient data replication in a single, scalable solution. SPS for Linux addresses all levels of uptime requirements from local replication and failover to complete disaster recovery at a remote site. It does so simply, reliably and affordably, with solutions that deploy in half the time and at half the cost of conventional point products.

A Complete Protection Suite

SPS for Linux is a single, integrated solution to protect your critical business systems and data. It provides sophisticated resource monitoring, high-speed, block-level data replication and automatic failover of applications and their dependant resources, leveraging shared, replicated or even hybrid storage models. It also addresses the complex nuances of wide-area clustering to provide a complete solution for disaster recovery protection of Linux servers.

Easy to Use, Flexible to Deploy

SPS for Linux is easy to learn and use, and it quickly integrates with your existing systems. This flexible solution allows you to match your RTO and RPO objectives with your available budget. Start with application and data protection in your local data center, and add capabilities such as multi-site disaster recovery on your timeframe.

KEY BENEFITS

Gain Superior Protection

- Protect your applications and data locally, while also providing a multi-site disaster recovery
- Monitor critical resources across your LAN or WAN, with integrated monitoring and failure detection
- Eliminate expensive, single-point-of-failure shared-storage devices

Add Simplicity and Flexibility

- Match your RTO and RPO objectives with your available budget
- Add capabilities such as multi-site DR on your timeframe
- Choose from a wide variety of storage options (Fibre Channel, SAN, iSCSI or NAS) to preserve your technology investments

Lower Total Cost of Ownership

- Receive unsurpassed replication speeds while minimizing network traffic with SteelEye block-level replication
- Learn and use one simple interface for both high availability and disaster recovery
- Eliminate the need for hardware accelerators or compression devices.

Platform Requirements

- *CentOS Linux*
- *Novell SUSE Linux Enterprise Server*
- *Oracle Unbreakable Linux*
- *Red Hat Enterprise Linux*

Block-Level Replication for Optimal Performance and Cost Savings

SPS for Linux replicates data at the block level, ensuring the most efficient replication possible. When compared to solutions that replicate at the file level, SteelEye Protection Suite can replicate any data, eliminating issues such copying as locked or open files. It uses significantly fewer system resources, makes more efficient use of the available bandwidth and is able to transfer more data faster across both WANs and LANs. This results in incredibly fast replication speeds—without hardware accelerators or compression devices.

Flexible Performance Tuning

Easily tune performance for your specific environment and applications. SPS for Linux lets you balance data protection and resource utilization. If fast replication is critical, it can achieve over 90% bandwidth utilization to accelerate data synchronization. If minimizing network impact is the priority, SPS for Linux offers bandwidth throttling and nine levels of integrated compression, allowing the optimal balance of network bandwidth and CPU utilization for each application.

Add Disaster Recovery Capabilities On Your Timeframe

SPS for Linux performs continuous monitoring of applications, databases, servers, storage and network infrastructure resources, while simultaneously synchronizing data changes between the primary production and target recovery environments.

An effective disaster recovery solution must address potential data integrity issues between the production and recovery environments, including the status of any databases and individual transactions at the time of disaster. SPS for Linux ensures that the recovery environment is always in sync with the production environment, regardless of distance or time of day.

Supports Single- or Multi-site Clusters

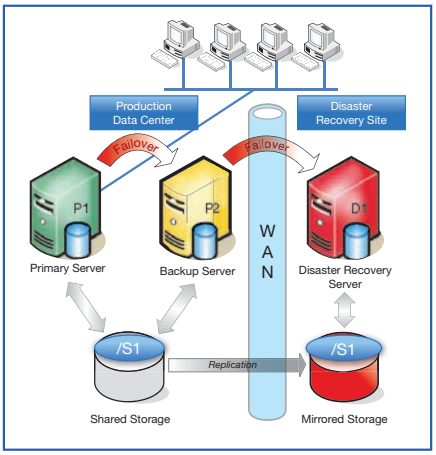
SPS for Linux supports Linux clustering, allowing you to create single-site, multi-site, and hybrid (mixed shared storage) clusters using existing servers and hardware. Upon detection of a fault condition, SPS for Linux can restart, correct the condition or failover one or more components to the local recovery environment.

In a catastrophic disaster recovery scenario, SPS for Linux can failover and bring into service, in sequence, each component of the production system in the recovery environment. Upon full recovery, it continues to monitor the availability of the recovery environment and also the status of the former production environment. Should the latter return online, administrators can choose an opportune time to manually switch back to the production site, or if desired, enable SPS to perform the switchback automatically. Prior to failback, SPS for Linux re-synchronizes the original production data with changes that were applied within the recovery environment.

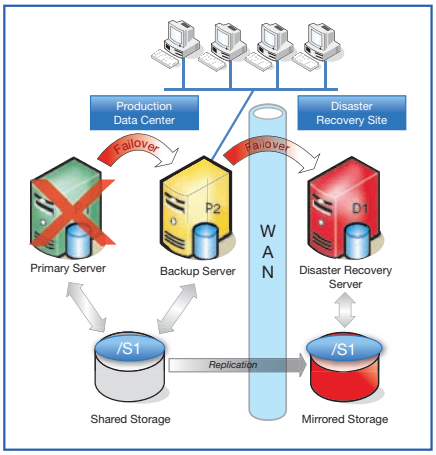
Trust SIOS for Proven Protection

SIOS delivers innovative software solutions that provide simple and cost-effective application availability and data protection for Linux and Windows, including virtual and cloud environments. SIOS solutions are easy to implement, use and manage—eliminating the complexity and capital expenditures associated with traditional approaches while offering superior availability and protection, which is proven in hundreds of business, governmental and educational environments worldwide. To learn more about SIOS and our SteelEye solutions, visit www.us.sios.com.

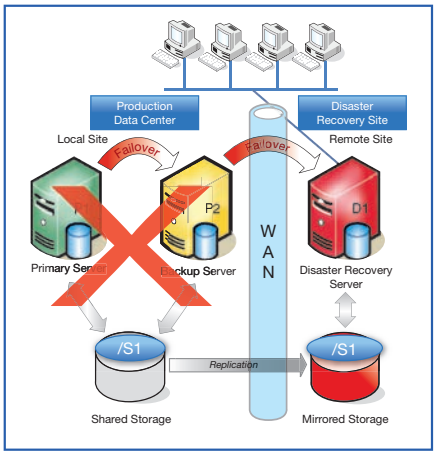
Multi-Site, Hybrid Storage Cluster Capabilities



Local Primary and Secondary Server, Remote DR Server



Primary Server Fails Over to Secondary Server



Data Center Fails Over to DR Site

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