



SYMANTEC AND RED HAT: OPEN AND FLEXIBLE MISSION-CRITICAL COMPUTING

Organizations face many challenges as they seek to survive and prosper in an increasingly competitive and dynamic global business environment. Time-to-market goals, compliance requirements, and stringent service-level agreements (SLAs) all depend on the ability to deploy agile and efficient IT infrastructure. Mission-critical applications must serve the vital needs of the business, while timely adoption of new technologies such as virtualization and cloud become more important to protecting the bottom line.

With flat IT budgets, many firms face an increasingly stark choice for deploying their mission-critical applications. A completely consolidated single-vendor hardware and software stack can offer comfort for some, at the cost of complete vendor lock-in and the limitations of constraining proprietary technologies. In contrast, Symantec and Red Hat offer a more flexible and open environment - in terms of hardware, software, and operating system.

SYMANTEC AND RED HAT: PROVEN JOINT SOLUTIONS AND SUCCESS

As the largest open source software company, Red Hat brings considerable experience and expertise to bear on deploying open source technology in mission-critical environments. In use by more than 80% of the

Fortune 500¹, Red Hat also offers a platform that organizations can use to evolve their computing from physical, to virtual, to private cloud environments at their own pace. As they make this move, they can seamlessly bring along their applications and subscriptions. As a result, Red Hat platforms are an increasingly strategic choice for those who want to modernize their IT infrastructure.

Symantec was an early supporter of the Linux operating system, and has made several significant contributions to the open source community, including enhancements to the core Linux kernel. With 20 years of experience, Symantec is currently the fourth largest software company, and holds the number one position in 10 security, storage, and data protection markets. Used by 99% of the Fortune 500¹, Symantec has a presence in 10 of 10 top commercial banks, financial services companies, IT services companies, computer software companies, and telecommunications companies.

Together Symantec and Red Hat offer a unique opportunity to deliver mission-critical solutions while creating value throughout the stack (Figure 1). Platform independence means that organizations can have their choice of storage solutions and industry-standard x86 server hardware,

1. Internal company estimates

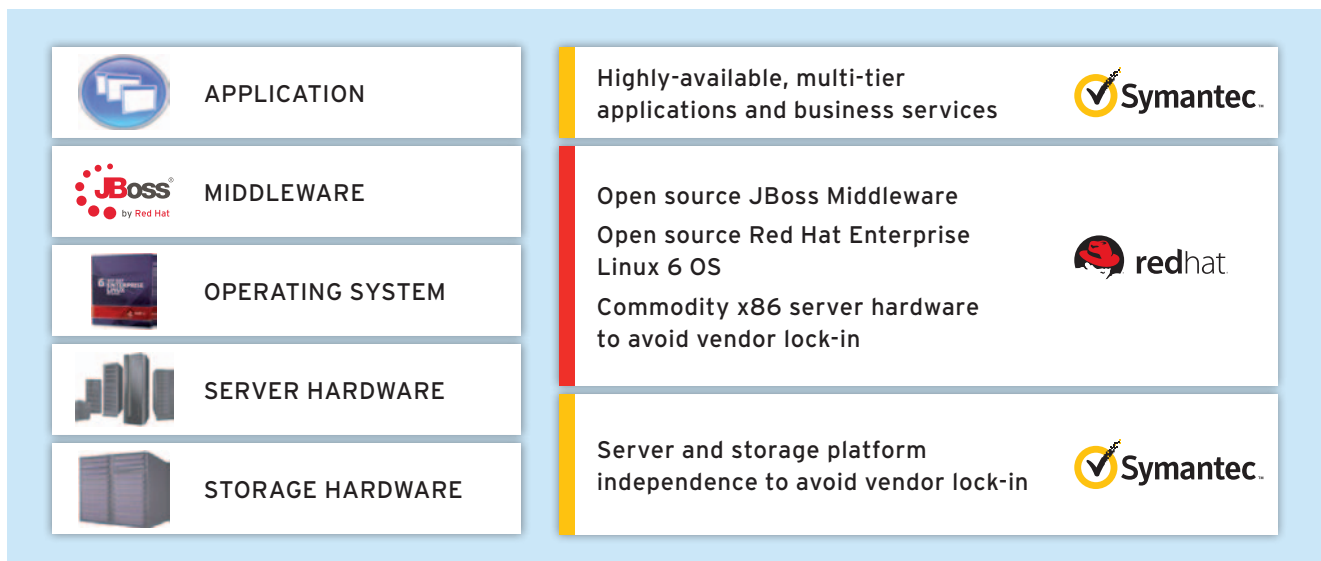


Figure 1. Together Symantec and Red Hat create flexibility and value throughout the hardware and software stack.



without vendor lock-in. The JBoss application server, Red Hat Enterprise Linux, and Red Hat Enterprise Virtualization are all open source, focusing the innovation of an entire industry. Symantec software adds highly-available multi-tier applications for data availability and business continuity across multiple storage platforms, operating systems, and virtualization platforms.

COST-EFFECTIVE FAILOVER FOR ORACLE DATABASES

Many mission-critical production environments rely on Oracle databases to increase productivity and enable users to make faster and more informed decisions. The dependence on these Oracle databases can be significant, with downtime resulting in lost revenue, penalties, and a damaged public image. At the same time, the cost and complexity of Oracle RAC can be considerable and implies a complete dependence on a single vendor.

Veritas Cluster File System and Cluster Server running on Red Hat Enterprise Linux can provide sub-minute Oracle database failover. This solution offers dramatic savings over Oracle RAC by enabling organizations to deploy less costly single-instance Oracle Databases. In addition, the solution can orchestrate multi-tiered application failover through advanced clustering and shared storage. Improved management is available with reporting, dashboards, and automated operations.

AUTOMATED OFF-PREMISE DISASTER RECOVERY

Whether planning for natural disasters, terrorism, or regional outages, effective disaster recovery (DR) strategies are essential. Mere data replication or backup doesn't usually suffice, as manual restarting of applications can result in missed SLAs. Complicating matters, heterogeneous availability tools can prove cumbersome and difficult to automate.

Veritas Cluster Server running on Red Hat Enterprise Linux provides off-premise disaster recovery for organizations operating over long distances. Ideal for split-site data centers with MAN/WAN-like latencies, the solution provides automated global failover of applications to any DR site. Orchestrating recovery of multi-tiered applications can greatly enhance reliability for critical failover events. In addition, the solution provides for non-disruptive failover testing to ensure that recovery is configured to work properly when when it is needed most.

IMPROVED DATA AVAILABILITY FOR MULTI-OS, MULTI-STORAGE DATA CENTERS

As organizations mature and grow, it is very common for them to accumulate storage solutions from multiple vendors, generating storage management silos and locking organizations into expensive storage platforms through proprietary storage management tools. Multiple operating systems and tools can, in turn, generate operational inefficiencies and complexity. The end result can be a lack of critical data availability across heterogenous environments.

Veritas Storage Foundation Dynamic Multi-pathing running on Red Hat Enterprise Linux can provide a uniform crossplatform solution that brings high performance, choice, and cost efficiency. Because the solution provides data availability, performance, and ease of storage management across any OS and all storage platforms, organizations have their choice of cost-effective storage and the ability to negotiate better prices. Storage vendors can be swapped out or replaced without disruption, and without having to replace tools or retrain operators. Organizations gain improved storage performance and data availability, all while generating operational savings through a unified data management platform.

TWO GLOBAL LEADERS, ALIGNED

Together, Symantec and Red Hat offer enterprise-class technologies and performance, proven in real-world deployments. These robust and tested joint solutions demonstrate the ability to deploy mission-critical applications and provide Oracle database failover, offpremise disaster recovery, and enterprise-class data availability on Red Hat Enterprise Linux. Beyond the solutions themselves, this extensive multi-level partnership spans engineering, marketing, support, and sales groups in both companies.

FOR MORE INFORMATION

For more information on joint Symantec and Red Hat solutions, please visit:

<http://www.redhat.com/symantec>

<http://partnerlocator.symantec.com/public/tpp;l=r/partner:id=66443/>