Lenovo ThinkSystem Solution for SAP Business Suite Applications

Optimized with Red Hat Enterprise Linux

Run core business processes efficiently and effectively

Easy to implement hardware, software, and services for SAP® Business Suite Applications

The Enterprise Data Challenge

To develop successful strategies in today's challenging environment, you need more access to critical enterprise insights than ever before. That fact is validated by a 2017 Gartner CIO Agenda survey which revealed analytics and enterprise resource planning (ERP) are top CIO priorities.[1] The ability of your company to compete depends on how you address these priorities, because your solutions are not just important to your job, they are crucial to your company's success and the need to stay ahead, transform now and do everything faster.

This presents you with a challenge. To position your company for continued growth and success you must address these priorities in a way that improves operational performance. But as data volume continues to explode and become more complex, extracting competitive value requires improved solutions.

Improving business insights while simultaneously responding to increased system resource demands may seem like a difficult goal. Yet breakthrough technologies make this goal obtainable now—and allow you to achieve it while positioning your company for future growth.

Highlights
- Enable your digital enterprise with mission-critical infrastructure
- Lower TCO with a scalable server platform for your SAP applications running Windows® or Linux®
- Speed deployment and simplify on-going management

SOLUTIONS FOR SAP BUSINESS SUITE APPLICATIONS AND THE FUTURE-DEFINED DATACENTER

SAP Business Suite

SAP Business Suite applications are designed to help organizations seize opportunities and provide greater business value through efficient management of their increasing enterprise transaction processing and analytic workloads. With SAP Business Suite applications, you can support your core business operations with market-leading business analytic technologies in a fully integrated business suite—and stay on the cutting edge with frequent application updates and new technologies that facilitate business insights.

Successful business growth

Growing your business requires deep understanding of your operational processes, personnel resources, company financials, corporate services and more. Without readily available access to vital enterprise data, market advantages can disappear and leave you struggling to compete.

As information and transaction volume explodes, the challenge of data accessibility is compounded. In spite of this increasing data, you must make faster, better decisions to seize opportunities and deliver greater business value.

Fast application performance The
Lenovo ThinkSystem Solution for SAP Business Suite combines next-generation architecture, expanded memory and I/O capacity packaged in a modular form factor. Mission-critical servers provide:

- Enhanced performance
- Memory scalability to 12TB
- Enterprise reliability

The Lenovo Solution for SAP Business Suite optimized with Red Hat® Enterprise Linux provides a powerful platform for your mission-critical SAP Business Suite applications. Red Hat Enterprise Linux provides benchmark-level tuning configuration optimized for SAP Business Suite, integrating hardware, software and memory advancements on a single operating system that is designed to be faster, more agile and more resilient. This helps you optimize your infrastructure investments to improve enterprise application performance.

SAP Business Suite applications

These play a critical role in delivering real-time, enterprise-wide business intelligence. If you are running SAP Business Suite applications, the powerful ThinkSystem SR950 mission critical server can help you optimize large SAP workload activities to:

- Exploit growing volumes of structured and unstructured data
- Increase visibility across departments and business silos
- Improve your ability to access business intelligence and eliminate bottlenecks

Faster performance is certainly crucial to maintaining your competitiveness. But it is a business reality that you will undoubtedly require more performance capabilities next year than you do now.

Flexible Platform Designed for Service Delivery

The Lenovo ThinkSystem SR950 servers with mission critical technology couple a unique 4U rack design that incorporates modular components. This combination allows you to:

- Scale from 2 to 8 processors
- Store more data
- Simplify servicing of systems

Squeezing 8 processors in a 4U server conserves rack space while providing seamless scalability and leading SAP application performance. Support for 24 storage bays and 12 NVMe drives provides the capacity you need for new big data applications. Front and rear access to components, including compute, storage and I/O helps eliminate downtime by simplifying service of systems.

ThinkSystem SR950 mission critical servers with are equipped with the next generation Intel® Xeon® processor family. These processors combine exceptional raw compute power with increased memory bandwidth to provide superior performance than previous generations of processors. This means you can achieve extreme scaling when running demanding workloads.

ThinkSystem

Solutions for the future-defined data center

Lenovo ThinkSystem SR950

Solutions for SAP Business Suite applications

ThinkSystem SR950 mission-critical server

The exceptional scalability of mission-critical server technology enables you to provide the performance you need for memory and CPU-intensive SAP workloads. The ThinkSystem SR950 mission critical server offers:

- •Seamless processor scalability that drives a lower total cost of ownership

- •Pay-as-you-grow capability for large workloads and "fit-for-purpose" design points

- •Modular design for higher utilization and lowest acquisition costs

Mission critical technology

provides a strong foundation for creating a virtualized environment for SAP applications.

Red Hat Virtualization, VMware, Microsoft Hyper-V, Xen or KVM virtualization solutions can be used to virtualize and consolidate Microsoft Windows or Linux workloads on fewer physical servers. This consolidation can enhance business agility and facilitate rapid growth without having to add hardware, while virtualized configurations help simplify virtual server deployments.

Resilient operational capabilities

Speed and scalability are crucial to maintaining a competitive edge. But because unanticipated or excessive system downtime can neutralize those performance and agility advantages, system dependability is equally important. That is why you need a high-availability solution designed to keep your servers up and running and your business thriving.

The Lenovo Solution for SAP Business Suite provides enterprise

class reliability, availability and serviceability (RAS) features giving you exceptional resilience which helps maximize system uptime through more fault tolerance and better systems management capability. Superior resilience saves hours of down time from unscheduled or scheduled incidents.

The modular mission critical design offers simplified serviceability, while Intel Run Sure Technology enables enterprise RAS on the next generation Intel Xeon processor. ThinkSystem SR950 mission critical servers also have Intel Advanced Reliability Technology for advanced redundancy, failover and predictive analysis features to keep systems running strong.

Mission-critical servers enable additional advanced RAS features for higher availability, such as advanced recovery of processor transactions, fault-resilient boot and automated backup of management firmware. The ThinkSystem SR950 integrates the software stack for solution-level RAS management, including Upward Integration Modules (UIMs) for VMware and Microsoft Hyper-V, and rolling firmware updates. More examples of these solution-level RAS capabilities and benefits include:

- Advanced core recovery, which improves high availability by proactively protecting applications from corrupt data inside the processing cores.

- Rolling firmware updates in the UIMs, which allow customers to update system microcode in a virtualized cluster without affecting application availability.

- RAS UIMs, which allow customers to preset recovery actions to respond quickly to advanced predictive failure alerts, increasing availability.
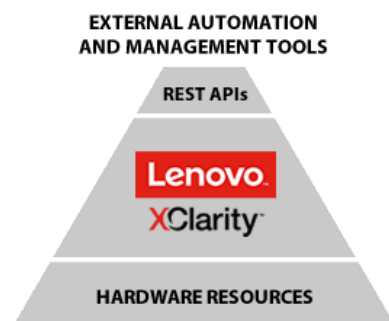
Fast and Reliable.
It is no secret your business depends on SAP Business Suite applications to drive transactions and enable real-time intelligence extracted from increasing data volumes. Your success depends on how well your mission-critical technology can provide the performance needed to execute transactions and supply those insights.

Ultimately, this makes your technology solution decisions essential to your bottom line. Capitalize on the outstanding compute power and large memory capacity of the Lenovo ThinkSystem Solution for SAP Business Suite optimized by Red Hat® Enterprise Linux® to attain leading SAP Business Suite application performance—and get the speed, agility, scalability, reliability and resilience you need.

Services for all Lifecycle Phases
Lenovo services span every phase of the IT lifecycle. These services can help you design the best IT strategy for your enterprise and accelerate time to productivity while freeing your IT staff to concentrate on other business priorities. With Red Hat Enterprise Linux for SAP Solutions, IT organizations can standardize on one platform while enjoying record-breaking performance, proactive management of their environment, and high availability, providing a stable foundation their entire SAP landscape. Customers have access to Red Hat's complete portfolio of technology solutions, backed by world-class customer support that collaboratively resolves issues.

EXTERNAL AUTOMATION AND MANAGEMENT TOOLS

REST APIs

Lenovo
XClarity

HARDWARE RESOURCES

Lenovo XClarity is a centralized resource management solution enabling administrators to deploy infrastructure faster and with less effort.

XClarity provides automated discovery, monitoring, firmware updates and compliance, pattern-based configuration management, and deployment of operating systems and hypervisors to multiple systems helping to:

- Centralize & Simplify Resource Management

- Increase Efficiency

- Consolidate Infrastructure Management

- Improve Agility

Lenovo ThinkSystem Solution for SAP Business Suite Applications

Why Lenovo

Lenovo is a leading provider of x86 servers for the data center. Featuring rack, tower, blade, dense and converged systems, the Lenovo server portfolio provides excellent performance, reliability and security. Lenovo also offers a full range of networking, storage, software, solutions, and comprehensive services supporting business needs throughout the IT lifecycle. With options for planning, deployment, and support, Lenovo offers expertise and services needed to deliver better service-level agreements and generate greater end-user satisfaction.

Why Red Hat

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage and virtualization technologies. Red Hat offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprise, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

For More Information

To learn more about the Lenovo ThinkSystem Solution for SAP Business Suite Applications, contact your Lenovo Business Partner or visit:
www.lenovo.com/sap

To learn more about Red Hat Enterprise Linux for SAP Solutions and see how it can help optimize your SAP landscape, contact your Red Hat representative or visit:
www.redhat.com/en/sap

1Gartner. Gartner Survey of More Than 2,500 CIOs Charts the Rise of the Digital Ecosystem. October 17, 2016
http://www.gartner.com/newsroom/id/348117
2Forrester Consulting, Ultra-Fast Data Access Is The Key To Unleashing Full Big Data Potential, January 2016
3Unistar PRO sharpens its competitive edge with SAP and Lenovo
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4Gulf Ocean Trading gets an SAP HANA advantage with an integrated solution from Lenovo
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5Contact your Lenovo or Lenovo Business Partner sales representative for availability in your region
6ITIC, ITIC 2016 - 2017Global Server Hardware, Server OS Reliability Report
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