



## Solution Brief

SUSE Linux Enterprise Server for SAP Applications

# Get More from Your Data with a Reliable SAP HANA Solution from Cisco and SUSE

Improve performance for SAP HANA with Cisco UCS and SUSE® Linux Enterprise Server for SAP Applications.

### Solution at a Glance:

Gain a competitive edge with a highly available, end-to-end, certified implementation of SAP HANA from Cisco and SUSE.

- + Improve SAP HANA performance.
- + Reduce downtime.
- + Seamlessly scale up or out as needed.

### Products:

SAP HANA  
Cisco Unified Computing System  
SUSE Linux Enterprise Server for SAP Applications

### Simplify IT Architecture without Sacrificing Speed and Availability

SAP HANA can be a powerful catalyst to your digital transformation. It speeds up the processing time of huge amounts of data so you can put that data to use immediately. It enables innovative applications that can help you serve customers better, expand your business and take advantage of agile operations. How you implement it can make all the difference.

You have a variety of options for implementing SAP HANA, but none combine flexibility and a simplified implementation like this offering from Cisco and SUSE. Together, Cisco Unified Computing System (UCS) and SUSE Linux Enterprise Server for SAP Applications form a complete, tested and validated foundation for SAP HANA's in-memory computing capabilities—a foundation that helps you get more out of SAP HANA as well as your hardware and software investments, and that delivers the reliability, availability and security your business requires.

### Cisco and SUSE: Optimized for SAP HANA

Cisco UCS and SUSE Linux Enterprise Server for SAP Applications make implementation, maintenance and management of SAP HANA seamless and transparent.

Cisco UCS is a data center platform that unites computing, network, storage access and virtualization into a single cohesive system. It provides the hardware and management software to unify your technology stack and helps increase agility by:

- **Reducing time and effort** in configuring and validating the SAP HANA solution, with its prevalidated, ready-to-deploy infrastructure that can speed implementation from months or weeks to just days
- **Simplifying scalability and management** by supporting a range of deployment options and minimizing latency between SAP HANA nodes
- **Streamlining operations** by enabling you to run multiple SAP HANA production systems on a

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shared infrastructure or to run SAP applications and SAP HANA on the same infrastructure

- **Reducing downtime** with support for multiple SAP HANA workloads with high availability and server redundancy

SUSE Linux Enterprise Server for SAP Applications is a secure open-source server operating system, built to power physical, virtual and cloud-based mission-critical workloads. As the number-one Linux platform for SAP applications, it helps increase agility by:

- **Meeting your varying computing needs** with outstanding performance, even under full CPU loads and high memory stress
- **Optimizing SAP HANA performance** by continually improving the operating system to accommodate new SAP features and capabilities
- **Helping unlock the intelligence in your data** by working with SAP to support deployment of multiple nodes and true big data environments

### Why SUSE Linux Enterprise Server for SAP Applications?

- The number-one platform for SAP HANA
- Currently running in approximately 90 percent of SAP HANA installations
- Can shorten the time it takes to patch your system by up to 75 percent
- Can boost overall performance by up to 60 percent

### Why Cisco UCS?

Customers who deployed Cisco UCS for running SAP workloads reported:

- 48 percent lower IT infrastructure costs
- 98 percent reduction in unplanned downtime
- 67 percent reduction of staff time spent "keeping the lights on"
- 29 percent faster application development lifecycles

**Source:** Peter Rutten, Matthew Marden, "The Business Value of Cisco UCS Integrated Infrastructure Solutions for Running SAP Workloads," IDC report, March 2016.



Both SUSE and Cisco are proud recipients of the SAP HANA Innovation Award

- **Boosting overall system performance** with features such as the page cache limit and tuning options
- **Ensuring business continuity** with features such as integrated clustering for physical and virtual Linux systems, automated data recovery for SAP HANA databases and full system rollback to mitigate change errors
- **Delivering high availability** with resource agents that continually monitor the SAP HANA system and



provide automatic failover operations when needed

- **Providing robust security** from years of SAP and SUSE co-development centered on kernel hardening

Both Cisco and SUSE have been recognized by SAP as valuable partners. Cisco is the only SAP partner offering policy-based solutions for SAP HANA.

### Benefits of SAP HANA with Cisco and SUSE

**Boost performance.** Run mission-critical applications at peak performance.

**Reduce downtime.** Ensure vital information is available when you need it.

**Deploy applications faster.** Validated infrastructure makes implementation simple and reliable.

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SUSE Linux Enterprise Server for SAP Applications is the only operating system with features specifically optimized to improve performance of SAP HANA in-memory processing for big data on UCS. And even SAP uses the SUSE operating system for its production and development environment.

Choosing solutions from SAP partners guarantees robustness and ensures smooth SAP HANA integration because there will have been the highest level of

scrutiny on patches and fixes, reducing the possibility of incompatibilities when patches are applied.

### **Conclusion**

If you want to minimize latency for SAP HANA, improve performance and seamlessly scale up or out as needed, combine the power and simplicity of Cisco UCS with a reliable, end-to-end, certified implementation on SUSE Linux Enterprise Server for SAP Applications.

Choose Cisco and SUSE for a tested, configured SAP HANA deployment that will get you up and running fast.

- *High availability with automated failover*
- *High performance of large workloads*
- *Fast, easy implementation*
- *Easy support and management*
- *Convenient, flexible update cycle*
- *Operating system security hardening*

**Learn More**  
Learn more about how SUSE and Cisco can simplify  
your SAP HANA deployment and operations at:  
[www.suse.com/cisco](http://www.suse.com/cisco)

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



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