

Lenovo Solutions for SAP S/4HANA and SAP Business Suite

Run core business processes efficiently and effectively

Drive Your Company's Digital Transformation

The Intelligent Enterprise leverages data-driven insights, automation, and emerging technologies to drive efficiency, agility, and innovation across organizations. For your business to become an intelligent enterprise, you need a future-proof digital foundation that empowers you to take advantage of the latest revolutionary technologies. A platform that allows you to create a live, connected, data-driven enterprise that can leverage the power of hybrid cloud, containers, AI/ML, the Internet of Things (IoT), and more.

The Lenovo Solution for SAP applications leverages the analytical insights derived by SAP S/4HANA and SAP Business Suite to help you capture every opportunity in today's digital world. Powered by Lenovo ThinkSystem and ThinkAgile servers, the solution lets you understand financial performance in real time, increase visibility and agility across your digital supply chain, and develop a fully-aligned product portfolio that allows you to manage lifecycles, control production costs, and deploy resources effectively from across your organization and beyond - all on a high-performance and cost-effective foundation that can scale as your business demands grow.

SAP's Core Value Proposition

Traditional business models often decentralize data management, with each business function storing its own operational data in a separate database. This makes it difficult for employees from different business functions to access each other's information. Furthermore, duplication of data across multiple departments increases IT storage costs and the risk of data errors.

By centralizing data management, SAP software provides multiple business functions with a single view of the truth. This helps companies better manage complex business processes by giving employees of different departments easy access to real-time insights across the enterprise. As a result, businesses can accelerate workflows, improve operational efficiency, raise productivity, enhance customer experiences – and ultimately increase profits.

Highlights:

- Run your business more efficiently and effectively, and gain agility in responding to market conditions
- Lenovo Solutions for SAP S/4HANA and SAP Business Suite support a wide range of server platforms to fit any environment, and are available in appliance, TDI (customized), and private cloud offerings
- Lenovo TruScale IaaS offers an opex-based cloud consumption model for on-premises infrastructure, better aligning expense with business use
- Lenovo server and storage components are listed in the Certified and Supported SAP HANA Hardware Directory

SAP Business Applications

SAP Business Suite is a collection of integrated business applications. It consists of several modules and components that cover various functional areas such as enterprise resource planning, finance, human resources, supply chain management, customer relationship management, and more. SAP Business Suite was built on traditional databases and operated on a traditional disk-based storage system.

SAP S/4HANA represents a significant shift in SAP's business application strategy. It is an intelligent, next-generation ERP suite built on the SAP HANA in-memory database platform, which enables faster data processing and real-time analytics. It offers simplified data models, streamlined processes, and a modern user interface. It leverages advanced technologies like machine learning, artificial intelligence, and predictive analytics to enable companies to make faster and more informed decisions.

SAP Direction

The SAP HANA platform is the next-generation data management foundation for all SAP business applications, with SAP announcing its business application suite will only support SAP HANA starting in 2027. SAP customers currently on earlier versions of the SAP Business Suite will need to migrate to SAP S/4HANA by that date.

SAP has been focused on moving customers to RISE with SAP S/4HANA Cloud. RISE is a subscription-based model that combines S/4HANA Cloud with various services and components to deliver an end-to-end package. It includes capabilities such as industry-specific solutions, integrated intelligent technologies, and access to the SAP Business Technology Platform. RISE also offers expanded integration with other SAP products like SuccessFactors for human capital management and Ariba for procurement. It enables businesses to accelerate their digital transformation while benefiting from a unified, cloud-based ERP system.

However, not all customers can move to the cloud. Customers may have data sovereignty requirements, industry or regulatory compliance, a low risk tolerance, SAP application entanglement, or limited / no access to SAP data centers or hyperscaler infrastructure options.

Lenovo Solution Options

Lenovo offers many on-premises options for customers not wanting to move their mission-critical SAP applications and data to the cloud.

Table 1. Lenovo On-Premises Solution Options

CapEx	CapEx Managed Services	TruScale IaaS	TruScale Hybrid Cloud with VMware	TruScale Multi-Cloud with Deloitte	RISE with SAP S/4HANA Cloud pe cdc
Available from Lenovo	Available from Lenovo	Available from Lenovo	Available from Lenovo	Available from Lenovo and Deloitte	Available from SAP
Self managed	Fully managed, single support model	Fully managed, single support model	Fully managed, single support model	Fully managed, single support model	Fully managed, single support model
On-prem control	On-prem control	On-prem control	Full cloud experience, on-prem control	Full cloud experience, on-prem control	Full cloud experience, on-prem control
Depreciation options	Depreciation options	Pay for use	Pay for use	Pay for use	Pay for use

Lenovo Cap-Ex Solutions

Lenovo offers a wide range of traditional Cap-Ex solutions for SAP S/4HANA and SAP Business Suite applications. The solutions are based on bare metal ThinkSystem and software-defined ThinkAgile servers for data center and edge locations.

Lenovo servers are the ideal platform for SAP S/4HANA and SAP Business Suite, as they are #1 in reliability¹ for nine years running and are consistently rated high in customer satisfaction. With more cores and PCI-e channels than previous generations for data to flow, these servers provide exceptional performance. Lenovo ThinkSystem servers currently hold over 450 world performance benchmarks – including 13 SAP benchmarks² - with the ability to support your growing business today and well into the future.

Recommended models include:

- **ThinkSystem SR630 V3**, a 1U, 2P server based on 4th generation Intel® Xeon® Scalable processors, which provide built-in accelerators and end-to-end security innovation.
- **ThinkSystem SR665 V3**, a 2U, 2P server based on AMD® EPYC® processors. The SR665 V3 currently has a Best in Class SAP Sales and Distribution (SD) standard application benchmark².
- **ThinkAgile Series**. Designed for easy deployment and manageability in scale-out clusters, the Lenovo ThinkAgile portfolio combines software from industry-leading hyperconverged ISVs (VMware and Nutanix) with Lenovo's highly reliable and scalable servers. These integrated systems provide high system utilization and ship fully integrated, tested, and configured so that you can dramatically accelerate your time to value.

Lenovo Managed Services

Managing enterprise IT environments in an evolving business and technology landscape can be costly and time-consuming. Improper attention to this critical function can leave systems vulnerable to firmware or driver conflicts, resource contention, intrusion, or outages. With Lenovo Managed Services, Lenovo service professionals remotely monitor and manage your data center to enhance security and reliability and help ensure maximum performance and stability. Continuous monitoring, scheduled health checks, recommended updates, capacity planning, and performance management can bolster workforce productivity, drive innovation, and enhance business results.



ThinkSystem SR630 V3 Server



ThinkSystem SR665 V3 Server



“Our experience of Lenovo Managed Services has been excellent. We always work with the same dedicated team of consultants, so we have a great relationship with them and they know our systems and our business very well.”

Raul Revilla, SAP Basis Administrator at Cheney Brothers

Bringing the Cloud to You

For customers wanting to run their SAP applications in the cloud, Lenovo offers a great alternative. **TruScale IaaS** gives you cloud-like agility and flexibility with infrastructure on premises. TruScale gives you the freedom to control your budget and strategic priorities, combined with peace of mind knowing you're getting the latest and most efficient hardware environments tailored to your specific business needs. TruScale offers the merits of an OPEX business model and concierge managed services for your SAP infrastructure. Services span the entire lifecycle, from advising and capacity planning to full deployment of the offering to infrastructure managed services to asset removal.

Lenovo TruScale Hybrid Cloud with VMware HCI is a hyperconverged infrastructure solution that hosts virtualized workloads and their storage in a hybrid environment. Based on Lenovo ThinkAgile VX HCI Series and VMware's industry-leading software-defined data center offerings, it combines the security of on-premises infrastructure with the simplicity of cloud operations. The solution allows SAP application customers to accelerate cloud adoption and easily migrate workloads across multi-cloud deployments with complete management and visibility.

Lenovo TruScale Multi Cloud with Deloitte is a turnkey hybrid cloud platform as-a-Service solution that delivers a full software-defined data center. Co-engineered between Lenovo and Deloitte, it features Deloitte's best-in-breed Cloud Managed Services and OpenCloud technology to provide single pane of glass management of your multi-cloud environment. SAP application customers can leverage comprehensive migration playbooks to help realize the shortest path to cloud migration to support their business goals.

TruScale is also a feature of an innovative SAP public cloud offering - **RISE with SAP S/4HANA Cloud, private edition, customer data center option**. Available only through SAP, private edition delivers a turnkey, OPEX, cloud subscription on Lenovo servers and storage that are SAP HANA certified and supported. It is less disruptive to operations vs. a move to a public cloud provider, offers the merits of an operating expense (OPEX) business model, and is monitored and managed by Lenovo and SAP white-glove services.



Benefits of Lenovo TruScale IaaS for SAP environments:

- **OPEX model** - TruScale delivers a subscription-based, pay-for-use consumption model, eliminating the upfront infrastructure capital expense of a classic on-premises solution.
- **Assured Security and Compliance** - Business-critical data remains on site, behind company firewalls, enabling compliance with many governmental and industry-specific customer and data privacy rules.
- **Reduced risk** - TruScale helps you eliminate the cost and complexity of application entanglement by simplifying the interoperability without leaving your data center for a remote cloud environment.
- **Better Performance** - Hosting SAP HANA and associated applications together in the same data center provides measurable and accountable performance metrics assuring better performance outcomes.

Lenovo Sustainability Services

Doing what's right isn't just good for the planet, it makes sound business sense too. Embracing sustainability can add worth to your brand, help you meet customer demands, retain talent, increase efficiency, and recover value.

Lenovo offers services that help you meet your environmental goals faster.

When your hardware reaches end of life, **Lenovo Asset Recovery Service (ARS)** can help you dispose of it in the most eco-friendly way. ARS helps reduce your carbon footprint and improve responsible product recycling by replacing old hardware with the latest sustainable technology.

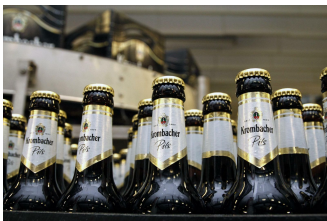
- Integrated process of takeback and replacement of hardware
- Maximum value received for replaced equipment
- Processes are documented and auditable
- Any third-party PCs and servers accepted
- Manages secure hardware disposal and recycling

Lenovo **CO₂ Offset Services** offer a simple and tangible solution to offset IT carbon footprint. We've estimated the value of carbon emissions for Lenovo devices and servers over an average lifecycle - from manufacture to daily use to end of life. Our service will offset your devices' emissions by supporting one of several climate action projects verified by independent third-party organizations like the United Nations, CDM, Gold Standard®, and Climate Action Reserve.



“Opting for an as-a-service model allowed us to offload infrastructure procurement, sizing and deployment. The entire process took about three months in all, and we were able to migrate a very complex environment with zero downtime or impact on operations.”

Guillermo Prieto, Director of Technology & Systems Innovation, Petco Mexico



“Being able to respond faster to new business requirements by simplifying provisioning with the Lenovo ThinkAgile VX platform is crucial to keep our customers happy in a dynamically changing world.”

Jan Spuhler, IT System Administrator, Krombacher Brauerei

Agile. Scalable. Reliable.

It is no secret your business depends on technology. Therefore, your success depends on how well your mission-critical technology performs. The Lenovo Solution for SAP S/4HANA and SAP Business Suite applications provides the seamless, scalable and dependable performance needed to run core business processes efficiently and effectively, helping deliver the bottom-line business results you demand.

Why Lenovo

Lenovo is a leading provider of data center infrastructure solutions. We partner with you to identify, design, install and support the solution that best ensures your organization's needs are met throughout the IT lifecycle. Lenovo complements a portfolio of leading x86 infrastructure with a full range of storage, software, and comprehensive services that provides excellent performance, reliability, and security for your IT environment from the edge to the cloud.

For More Information

To learn more about Lenovo solutions for SAP business applications, contact your Lenovo sales representative or Business Partner or visit: www.lenovo.com/sap

¹[TIC Global Server Hardware, Server OS Reliability Report](#)

² as of June 1, 2023

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