

Lenovo ThinkSystem Solution

Lenovo™

for SAP Business One, version for SAP HANA

Easy to implement hardware, software and services for SAP Business One

Speed up your SAP applications with Lenovo enterprise servers optimized for SAP HANA®. The faster you get to insights, the faster your business can respond. With the combination of SAP Business One®, version for SAP HANA on Lenovo enterprise servers you can take advantage of extremely high application performance and real-time analysis to help you make fast, informed decisions.

Lenovo servers are validated by SAP to be an ideal platform to deploy SAP Business One®, version for SAP HANA and to help accelerate time to value for your SAP implementations. Lenovo provides the robust base for highly reliable configurations and provides the ultimate balance of uptime, performance, density and cost efficiency to help your business.

Lenovo ThinkSystem Servers

A wide range of Lenovo ThinkSystem servers are available for SAP Business One®, version for SAP HANA:

- **ThinkSystem SR630 V2 1U & SR650 V2 2U 2-socket Generation 3 servers**
ThinkSystem SR630 1U & SR650 2U 2-socket Generation 2 servers
These mainstream servers provide high performance processing power, flash storage options and energy efficient features. They have been designed to handle a wide range of workloads such as databases, virtualization and cloud computing, VDI, enterprise applications, collaboration & email, business analytics and big data.
- **ThinkSystem ST650 V2 Generation 3 & ST550 Generation 2 servers** provide the same impressive capabilities as the mainstream rack servers but in tower form-factor. They can also be rack-mounted.
- **ThinkSystem SR530 1U and SR550 2U 2-socket Generation 2 value servers** are ideal for small businesses needing industry-leading reliability, management, and security, as well as cost-optimized performance and flexibility for future growth.
- **ThinkSystem SR850 2U and SR950 4U 4-socket Generation 2 servers** provide mission-critical reliability and best-in-class flexibility and expandability. These powerful Lenovo servers are suitable for the most demanding applications that need the most processing power possible in a single server.

Using Intel Xeon Scalable processors and all-flash based SSD technology with the ThinkSystem RAID 9350, RAID 940 and RAID 930 storage adapters or the Intel VROC for NVMe, these ThinkSystem-based configurations provide the best performance at optimal cost for your business.

The Lenovo ThinkSystem V2 Servers

Lenovo ThinkSystem Mainstream servers (SR650 V2/SR630 V2/ST650 V2) with 1 or 2 Sockets

B1 Users	50	100	200	250	300	400
Model	128GB	256GB	512GB	768GB	1024GB	2048GB
Intel Xeon SP Gen 3	1x 4310 (12C)	1 or 2x 4310 (12C)	2 x 4310 (12C) or 1 or 2x 4314 (16C)	2x 4314 (16C)	2x 4314 (16C)	2x 5318Y (24C)
Memory	8 x 16GB	8 x 32GB (1S) or 16 x 16GB	8 x 64GB (1S) or 16 x 32GB or 32 x 16GB	16 x 16GB and 16 x 32GB	16 x 64GB or 32 x 32GB	16 x 128GB or 32 x 64GB
SSD Disk Options:						
1: SSD RAID5	4: 240GB 3: 480GB 3: 960GB	7: 240GB 4: 480GB 3: 960GB	14: 240GB 7: 480GB 4: 960GB	18: 240GB 10: 480GB 6: 960GB	22: 240GB 12: 480GB 7: 960GB	21: 480GB 11: 960GB 7: 1920GB
2: SSD RAID10	6: 240GB 4: 480GB 4: 960GB	12: 240GB 6: 480GB 4: 960GB	24: 240GB 12: 480GB 6: 960GB	18: 480GB 10: 960GB 6: 1920GB	22: 480GB 12: 960GB 6: 1920GB	20: 960GB 10: 1920GB 6: 3840GB
NVMe Disk Options:						
1: VROC RAID5	3: 800GB 3: 960GB	3: 800GB 3: 960GB	5: 800GB 4: 960GB 3: 1600GB	6: 800GB 6: 960GB 4: 1600GB 4: 1920GB	8: 800GB 7: 960GB 5: 1600GB 5: 1920GB	14: 800GB 11: 960GB 7: 1600GB 6: 1920GB
2: VROC RAID10	4: 800GB 4: 960GB	4: 800GB 4: 960GB	8: 800GB 6: 960GB 4: 1600GB	10: 800GB 10: 960GB 6: 1600GB 6: 1920GB	14: 800GB 12: 960GB 8: 1600GB 5: 1920GB	24: 800GB 20: 960GB 12: 1600GB 10: 1920GB

Processor Options:

These ThinkSystem servers when configured with one processor are certified by SAP for 50 - 200 users. When configured with two processors they are certified for 100 - 400 users.

Disk Options:

SSD Disk Options are available on SR630 V2, SR650 V2 and ST650 V2 servers:

- 1: SSD RAID5 – the traditional Business One Raid configuration for high performance at lowest cost.
- 2: SSD RAID10 – an alternative Raid configuration for highest performance. Mainstream SATA SSDs or SAS SSDs are supported. A ThinkSystem RAID 940 or RAID 930 controller is required.

NVMe Disk Options are available on SR650 V2 servers (1 and 2 CPUs) and SR630 V2 (2 CPUs):

- 1: VROC Raid5 – leveraging the latest onboard VROC (Virtual RAID on CPU) functionality to provide Raid capability, NVMe SSD drives maximize I/O throughput and latency drive performance. Raid functionality is provided by onboard VROC. No additional hardware Raid controller is required.
- 2: VROC RAID10 – an alternative Raid configuration for even higher NVMe performance.
- The above configurations can be built using the [DCSC](#) CTO configurator. There are also Business One SR630 V2 Preconfigured Models for [EMEA](#), [Latin America](#), [Brazil](#).

The Lenovo ThinkSystem Servers

Lenovo ThinkSystem Mainstream servers (SR650/SR630/ST550) Two Sockets

B1 Users	35	75	110	150	200	250	350	500
Model	96GB	192GB	288GB	384GB	576GB	768GB	1536GB	3072GB
Intel Xeon SP	4210 (10C) or 4210R	4210 (10C) or 4210R	4210 (10C) or 4210R	4210 (10C) or 4210R	4214 (12C) or 4214R	4214 (12C) or 4214R	5218 (18C) or 5218R (20C)	8276L (28C)
Memory	12 x 8GB	12 x 16GB or 24 x 8GB	12 x 16GB and 12 x 8GB	12 x 32GB or 24 x 16GB	12 x 32GB and 12 x 16GB	12 x 64GB or 24 x 32GB	12 x 128GB or 24 x 64GB	24 x 128GB
SAS/SATA SSD Disk Options:								
SSD RAID5	4: 240GB 3: 480GB 3: 960GB	6: 240GB 4: 480GB 3: 960GB	9: 240GB 5: 480GB 3: 960GB	10: 240GB 6: 480GB 4: 960GB	14: 240GB 8: 480GB 5: 960GB	18: 240GB 10: 480GB 6: 960GB	16: 480GB 9: 960GB 5: 1920GB	16: 960GB 9: 1920GB 5: 3840GB

- These ThinkSystem servers are certified by SAP for 35 - 500 users when configured with two processors.

Lenovo ThinkSystem Value servers (SR550/SR530) Two Sockets

B1 Users	35	75	150	250
Model	96GB	192GB	384GB	768GB
Intel Xeon SP Gen 2	4210 (10C) or 4210R (10C)	4210 (10C) or 4210R (10C)	4210 (10C) or 4210R (10C)	4214 (12C) or 4214R (12C)
Memory	12 x 8GB	12 x 16GB	12 x 32GB	12 x 64GB
SAS/SATA SSD Disk Options:				
SSD RAID5	4: 240GB 3: 480GB 3: 960GB	6: 240GB 4: 480GB 3: 960GB	10: 240GB 6: 480GB 4: 960GB	9: 480GB 5: 960GB 3: 1920GB

- These ThinkSystem servers are certified by SAP for 35 - 250 users when configured with two processors.

Lenovo ThinkSystem Mission Critical server (SR950/SR850) Four Sockets

B1 Users	75	150	200	250	350	500
Model	192GB	384GB	576GB	768GB	1536GB	3072GB
Intel Xeon SP	5218 (18C)	5218 (18C)	5218 (18C)	5218 (18C)	5218 (18C)	8276 (28C)
Memory	24 x 8GB (SR850 only)	24 x 16GB or 48 x 8GB (SR850 only)	24 x 16GB and 24 x 8GB (SR850 only)	24 x 32GB or 48 x 16GB	24 x 64GB or 48 x 32GB	24 x 128GB or 48 x 64GB
SAS/SATA SSD Disk Options:						
SSD RAID5	6: 240GB 4: 480GB 3: 960GB 3: 3840GB	10: 240GB 6: 480GB 4: 960GB 3: 3840GB	14: 240GB 8: 480GB 5: 960GB 3: 3840GB	20: 240GB 9: 480GB 5: 960GB 3: 3840GB	16: 480GB 9: 960GB 3: 3840GB	16: 960GB 5: 3840GB

- These ThinkSystem servers are certified by SAP for 75 - 500 users when configured with four processors.

- The above configurations can be built using the [DCSC](#) CTO configurator.
There are also Business One SR630 Preconfigured Models for some regions such as [EMEA](#).

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, security and [industry-leading reliability](#).

Lenovo also offers a full range of storage, software, solutions and 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.

SAP Certification and Options

Lenovo certifications for SAP Business One can be found on the [SAP HANA Hardware Directory](#).

The Hardware Directory lists the minimum Linux operating system used at the time of Business One certification (e.g. SUSE Linux Enterprise Server 12). This certification also includes support for all subsequent SLES versions throughout the lifecycle of a certification (e.g. also confirms support for SLES 15). For more information see [SAP Note 2592452](#) (SAP ID required).

SAP Business One version for SAP HANA is supported on all ThinkSystem servers in a virtualized environment using supported SAP HANA hypervisors.

The ThinkAgile VX series provides VMware vSphere and VMware vSAN support for the platform for SAP Business One version for SAP HANA. All editions including vSphere Essential Kits, vSphere Standard and vSphere Enterprise Plus are supported. For more information see [SAP Note 2020657](#). Any SAP HANA HCI certified server can be used for running SAP Business One version for SAP HANA.

The ThinkAgile HX series provides Nutanix Foundation support for SAP Business One version for SAP HANA with the AHV Acropolis and ESXi hypervisors. For more information see [SAP Note 2836729](#). Any SAP HANA HCI certified server can be used for running SAP Business One version for SAP HANA.



Configurations

Lenovo provides a range of DCSC CTO server template configurations for Business One via [Lenovo LETS](#) and Deployment Ready Solutions within the [DCSC configurator](#).

For presales support on how to configure an SAP Business One solution for SAP HANA please contact [Lenovo LETS](#) or Lenovo's SAP Centre of Competence SAPSolutions@lenovo.com

For More Information

To learn more about the SAP Business One version for SAP HANA, contact your Lenovo Business Partner or visit: <http://www.lenovo.com/sap>

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