

## Microsoft Software Solution Product Guide

### Product Guide

Microsoft and Lenovo have been partners for over 25 years. Together we ensure that the latest Microsoft technologies work perfectly with Lenovo ThinkSystem infrastructure and ThinkAgile solutions to provide the most reliable, secure, and high-performing datacenters for our customers. Built with proven Lenovo innovation, Lenovo ThinkSystem servers and ThinkAgile solutions extend Microsoft's operating systems, virtualization technologies, and infrastructure platforms so you can build a highly productive IT environment that can help your business achieve true innovation.

Lenovo has proven experience in developing and delivering Microsoft-based solutions that help customers modernize and simplify their IT infrastructure to dramatically drive down operating costs and open the door to cutting-edge innovations. Built around the latest Lenovo ThinkSystem servers and networking hardware, the Lenovo solution with Microsoft provides businesses with an affordable, interoperable, and reliable industry-leading solution to manage their virtualized workloads.



### Did you know?

Lenovo XClarity Integrator integrates Lenovo XClarity Administrator into Microsoft software, providing the functionality you need to manage Lenovo infrastructure right in the console of Microsoft software. Lenovo XClarity Administrator is a centralized resource management solution that reduces complexity, speeds up response, and enhances the availability of Lenovo ThinkSystem infrastructure and ThinkAgile solutions.

Lenovo offers XClarity Integrator for Windows Admin Center, Microsoft Azure Log Analytics and Microsoft System Center. For more information, refer to the Lenovo XClarity Administrator Product Guide, <https://lenovopress.com/tips1200-lenovo-xclarity-administrator>.

## Why buy Microsoft licenses from Lenovo?

Lenovo offers various types and forms of Microsoft licensing so organizations and partners can leverage best in class Lenovo servers to build agile IT infrastructure that is reliable, secure, and high performing. Choosing a Microsoft OEM license from Lenovo for most customers is the simplest and most cost-effective license. Microsoft licenses from Lenovo are specifically pre-tested and optimized to install on Lenovo servers. Lenovo offers support for all of its Microsoft subscriptions offerings, giving customers a single point of support for their entire datacenter. For OEM licenses support, please ask for support plans to your Lenovo sales representative.

Lenovo holds more world record benchmarks than anyone with SQL Server from Microsoft. Lenovo is the first company to publish a non-clustered TPC-H@10,000GB benchmark performance result running Microsoft SQL Server. Refer to <https://lenovopress.com/lp0720-sr950-tpch-benchmark-result-2017-07-11>. When you purchase Microsoft SQL Server from Lenovo, you have support and access to the industry-leading Lenovo Engineering team that made this benchmark performance possible.

With co-located engineering organizations and a history of technical collaboration, Microsoft and Lenovo consistently deliver innovative joint solutions for the data center. Lenovo's leadership in reliability, customer satisfaction, and performance, combined with Microsoft's reputation in software and cloud services, continues to deliver innovative data-center solutions and lower total cost of ownership for our joint customers.

With Lenovo, customers have access to decades of datacenter expertise, industry leading support services and the option to leverage Lenovo consultative, professional, and managed service offerings. Lenovo provides customers with the best solution to generate the business results they are looking to achieve, while leveraging a single partner for all aspects of support and services.

## Microsoft OEM Licenses

### Windows Server editions and licensing

This section describes the editions and licensing for Windows Server:

- [Windows Server Licensing](#)
- [Core based licensing: Windows Server Standard and Datacenter](#)
- [Client Access License \(CAL\) & Remote Desktop Session \(RDS\) CAL](#)
- [Downgrade rights](#)

Windows Server 2025 is available in the following editions:

- **Essentials Edition:** ideal for small businesses with up to 25 users and 50 Small companies with basic IT needs purchasing a first server; likely a small or no dedicated IT department. CAL (Client Access Licensing) is not required with this edition. Noted that there is a 10-core max for only one CPU.
- **Standard Edition:** Ideal for customers with low density or minimally virtualized environments.
- **Datacenter Edition:** Ideal for highly virtualized and software defined datacenter environments.

\* **Note:** Windows Server 2025 is not available in Storage Edition.

### Windows Server Licensing

Customers can purchase Windows Server licenses from Lenovo through the following ways:

- **CTO (Configure to Order)** – this is the OEM license (represented by a Microsoft OS-COA label) that is added to the Lenovo server shipment at manufacturing and requires a Windows Server OS to be selected at the same time.
  - **Pre-Install** – The OS is pre-installed onto the Lenovo server at manufacturing and the OS install media is included with the server from manufacturing for possible subsequent customer self-install.
  - **DIB (Drop-in-Box) only** – The OS install media is shipped included in the box with the server at from manufacturing.
- **ROK** – this is the OEM license (represented by a Microsoft OS-COA label) that is sold by Lenovo's authorized resellers and distributors.
  - **ROK kit** – The OS install media is included with the server from Lenovo's Partner.

Table 1. Windows Server Licensing

Editions	Licensing model	CAL requirements*
Windows Server Datacenter	Core-based	Windows Server CAL
Windows Server Standard	Core-based	Windows Server CAL
Windows Server Essentials	Processor- based	No CAL required

\* Some additional or advanced functionality such as Remote Desktop Services or Active Directory Rights Management Services will continue to require the purchase of an additive CAL.

### Core based licensing: Windows Server Standard and Datacenter

The licensing of Windows Server 2025 Standard and Datacenter editions based on a per physical processor basis. A minimum of 8 cores per processor and 16 cores total must be licensed. All cores must be licensed, even if user-disabled.

The Base License for the Lenovo OEM Microsoft Windows Server Standard and Datacenter editions will cover up to 16 cores per system. Customers who need to license more than 16 cores can easily do so with

Additional Licenses. Additional Licenses are available in 2 core packs and 16 core packs.

- Servers are licensed based on the number of processor cores in the physical server. All physical cores in the server must be licensed.
- A minimum of 16 core licenses is required for each server.
- A minimum of 8 core licenses is required for each physical processor.
- Standard Edition provides rights for up to two Operating System Environments (OSE) or Hyper-V containers when all physical cores in the server are licensed. For every two additional OSEs, all the cores in the server have to be licensed again.
- For more information, please refer to the Lenovo Windows Server Core Licensing Calculator: <https://www.lenovosalesportal.com/windows-server-2025-core-licensing-calculator.aspx>

### Client Access License (CAL) & Remote Desktop Session (RDS) CAL

The Windows Server 2025 licensing model for Standard and Datacenter requires Client Access Licenses (CALs). Each user and/or device accessing a licensed Windows Server Standard or Datacenter edition requires a Windows Server CAL or a Windows Server and a Remote Desktop Services (RDS) CAL.

A Windows Server CAL is required when a user or device is directly or indirectly accessing Windows Server. A Remote Desktop Service (RDS) CAL is also required for users that need to access programs or the full desktop remotely using Remote Desktop Services (RDSs). Both Windows Server CAL (user or device) and RDS CAL (user or device) are required for remote desktop access. RDS CALs contain a product key for activation. As an exception to these rules, up to two users or devices may access the server software, only for server administration purposes, without requiring either a RDS CAL or a Windows Server CAL.

Each user and device that connects to a Remote Desktop Session host needs a client access license (CAL). There are two types of RDS CALs: Device CALs and User CALs.

Each user CAL permits one user, using any device, to access instances of the server software on their licensed servers. Each device CAL permits one device, used by any user, to access instances of the server software on their licensed servers.

The following table outlines the differences between the two types of RDS CALs.

Also refer to the [Windows Server Licensing FAQ](#) section below.

Table 2. Comparison of per-device and per-user RDS CALs

Per Device RDS CALs	Per User RDS CALs
CALs are physically assigned to each device.	CALs are assigned to a user in Active Directory.
CALs are tracked and enforced by the license server.	CALs are tracked but not enforced by the license server.
CALs can be tracked regardless of Active Directory membership.	CALs cannot be tracked within a workgroup.
You can revoke up to 20% of CALs.	You cannot revoke any CALs.
Temporary CALs are valid for 52-89 days.	Temporary CALs are not available.
CALs cannot be overallocated.	CALs can be overallocated (in breach of the Remote Desktop licensing agreement).

For additional details, see: <https://www.microsoft.com/en-us/licensing/product-licensing/client-access-license>.

### Downgrade rights

Microsoft Windows Server 2025 includes the optional right to use an earlier version of the software in place

of the version you have licensed (e.g., downgrade from Windows Server 2025 to Windows Server 2022) by purchasing an applicable Downgrade Kit for the Server 2025 or Server 2022 version that Lenovo makes available.

Downgrade rights allows you to install an older image version of the OS. The license rules of the purchased version still apply (i.e. Server 2025).

A Lenovo downgrade kit includes the OS installation media of the earlier version of Windows Server and an OS specific product key for activation.

## Windows Server 2025

This section provides information on Windows Server 2025 from Lenovo:

- [Features](#)
- [Feature codes for configure-to-order](#)
- [Part numbers for Reseller Option Kits](#)

Windows Server 2025 boasts advanced features that improve security, performance, and flexibility. With faster storage options and the ability to integrate with hybrid cloud environments, managing your infrastructure is now more streamlined. Windows Server 2025 builds on the strong foundation of its predecessor while introducing a range of innovative enhancements to adapt to your needs.

Some of the new Features include:

See a complete list of what's new in Windows Server 2025 here: <https://learn.microsoft.com/en-us/windows-server/get-started/whats-new-windows-server-2025>

### Features

#### Advanced multi-layer security

For IT professionals, security and compliance are primary concerns. The new security capabilities in Windows Server 2022 combine other security capabilities in Windows Server across multiple areas to provide defense-in-depth protection against advanced threats. Advanced multi-layer security in Windows Server 2022 provides the comprehensive protection that servers need today.

- **Hotpatch (preview)** is now available to Azure Arc connected Windows Server 2025 machines when enabled in the Azure Arc portal. Hotpatch allows you to apply OS security updates without needing to restart your machine. (Can include an extra cost\*) See more about Hotpatching in Windows Server 2025 [here](#).
- **Delegated Managed Service Account:** This new type of account enables migration from a service account to a delegated Managed Service Account (dMSA). This account type comes with managed and fully randomized keys ensuring minimal application changes while disabling the original service account passwords. To learn more, see [Delegated Managed Service Accounts overview](#).
- **Security Baseline:** By implementing a customized security baseline, you can establish security measures right from the beginning for your device or VM role based on the recommended security posture. This baseline comes equipped with over 350 preconfigured Windows security settings that enable you to apply and enforce specific security settings that align with the best practices recommended by Microsoft and industry standards. To learn more, see [OSConfig overview](#).

#### Hyper-V, AI, and performance

- **Hyper-V Manager:** When you create a new VM through the Hyper-V Manager, **Generation 2** is now set as the default option in the New Virtual Machine Wizard.
- **GPU Partitioning (GPU-P):** GPU partitioning allows you to share a physical GPU device with multiple virtual machines (VMs). Instead of allocating the entire GPU to a single VM, GPU partitioning assigns dedicated fractions of the GPU to each VM. With Hyper-V GPU-P High Availability a GPU-P VM is automatically enabled on another cluster node in the case of unplanned downtime. GPU-P Live Migration provides a solution to move a VM (for planned downtime or load balancing) with GPU-P to another node whether it's standalone or clustered. To learn more about GPU partitioning, see [GPU partitioning](#).
- **Dynamic Processor Compatibility** is updated to take advantage of new processor capabilities in a clustered environment. Dynamic Processor Compatibility uses the maximum number of processors features available across all servers in a cluster. The mode improves performance compared to the previous version of processor compatibility. Dynamic processor compatibility also allows you to save

its state between virtualization hosts that use different generations of processors. Processor compatibility mode now provides enhanced, dynamic capabilities on processors capable of second-level address translation (SLAT). To learn more about the updated compatibility mode, see [Dynamic processor compatibility mode](#).

- **NVMe** is a new standard for fast solid-state drives (SSDs). NVMe storage performance has been optimized in Windows Server 2025 with improved performance, resulting in an increase in IOPS and decrease in CPU utilization.
- **Storage Replica Compression** reduces the amount of data transferred over the network during replication. To learn more about compression in Storage Replica, see [Storage Replica Overview](#).
- **Storage Replica Enhanced Log** help the Storage Replica log implementation to eliminate the performance costs associated with file system abstractions, leading to improved block replication performance. To learn more, see [Storage Replica Enhanced Log](#).
- **ReFS native storage deduplication and compression** are techniques used to optimize storage efficiency for both static and active workloads such as file servers or virtual desktops. To learn more about ReFS deduplication and compression, see [Optimize storage with ReFS deduplication and compression in Azure Local](#).
- **Thin provisioned volumes** with Storage Spaces Direct are a way to allocate storage resources more efficiently and avoid costly overallocation by allocating from the pool only when needed in a cluster. You can also convert fixed to thin provisioned volumes. Converting from fixed to thin provisioned volumes returns any unused storage back to the pool for other volumes to use. To learn more about thin provisioned volumes, see [Storage thin provisioning](#).

## Windows Server 2025 CTO Feature Codes and Part Numbers

The following tables list the Windows Server 2025 configure-to-order (CTO) Feature Codes and part numbers:

Table 3. Windows Server 2025 configure-to-order (CTO) Feature Codes and part numbers

Region Availability	Description	Feature Code	Lenovo part number
<b>Windows Server 2025 Essentials ordering information (part number / feature code)</b>			
China only	Windows Server 2025 Essentials (10 core) - Chinese Simplified (factory installed)	SDAN	CTO only
WW	Windows Server 2025 Essentials (10 core) - English (factory installed)	SDAP	CTO only
AP	Windows Server 2025 Essentials (10 core) - Japanese (factory installed)	SDAQ	CTO only
China only	Windows Server 2025 Essentials (10 core) - Chinese Simplified (not preinstalled)	SDAR	CTO only
AP	Windows Server 2025 Essentials -(10 core) Chinese Traditional (not preinstalled)	SDAS	CTO only
AP	Windows Server 2025 Essentials (10 core) - Japanese (not preinstalled)	SDAT	CTO only
WW	Windows Server 2025 Essentials (10 core) - MultiLang (not preinstalled)	SDAU	CTO only
<b>Windows Server 2025 Standard ordering information (part number / feature code)</b>			
China only	Windows Server 2025 Standard (16 core) - Chinese Simplified (factory installed)	SDA8	CTO only
WW	Windows Server 2025 Standard (16 core) - English (factory installed)	SDA9	CTO only

<b>Region Availability</b>	<b>Description</b>	<b>Feature Code</b>	<b>Lenovo part number</b>
AP	Windows Server 2025 Standard (16 core) - Japanese (factory installed)	SDAA	CTO only
China only	Windows Server 2025 Standard (16 core) - Chinese Simplified (not preinstalled)	SDAB	CTO only
AP	Windows Server 2025 Standard (16 core) - Chinese Traditional (not preinstalled)	SDAC	CTO only
AP	Windows Server 2025 Standard (16 core) - Japanese (not preinstalled)	SDAD	CTO only
WW	Windows Server 2025 Standard (16 core) - MultiLang (not preinstalled)	SDAE	CTO only
<b>Windows Server 2025 Datacenter ordering information (part number / feature code)</b>			
China only	Windows Server 2025 Datacenter (16 core) - Chinese Simplified (factory installed)	SDAF	CTO only
WW	Windows Server 2025 Datacenter (16 core) - English (factory installed)	SDAG	CTO only
AP	Windows Server 2025 Datacenter (16 core) - Japanese (factory installed)	SDAH	CTO only
China only	Windows Server 2025 Datacenter (16 core) - Chinese Simplified (not preinstalled)	SDAJ	CTO only
AP	Windows Server 2025 Datacenter (16 core) - Chinese Traditional (not preinstalled)	SDAK	CTO only
AP	Windows Server 2025 Datacenter (16 core) - Japanese (not preinstalled)	SDAL	CTO only
WW	Windows Server 2025 Datacenter (16 core) - MultiLang (not preinstalled)	SDAM	CTO only
<b>Windows Server 2025 Additional Licenses ordering information (part number / feature code)</b>			
WW	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (POS Only)	SDCN	CTO only
WW	Windows Server 2025 Standard Additional License (16 core) (No Media/Key) (POS Only)	SDCP	CTO only
WW	Windows Server 2025 Datacenter Additional License (2 core) (No Media/Key) (POS Only)	SDCQ	CTO only
WW	Windows Server 2025 Datacenter Additional License (16 core) (No Media/Key) (POS Only)	SDCR	CTO only
Brazil	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (APOS) - (BR License only)	SDCF	7S1S002JWW
Brazil	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (APOS) - (BR tangible)	SDCG	7S1S002KWW
Argentina	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (APOS) AR	SDCH	7S1S002LWW
Peru	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (APOS) PE	SDCJ	7S1S002MWW
Colombia	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (APOS) CO	SDCK	7S1S002NWW
WW except Brazil, AR, CO,PE	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (APOS)	SDCL	7S1S002PWW
WW	Windows Server 2025 Standard Additional License (16 core) (No Media/Key) (APOS)	SDCM	7S1S002QWW

<b>Region Availability</b>	<b>Description</b>	<b>Feature Code</b>	<b>Lenovo part number</b>
Brazil	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (Reseller POS Only) - (BR License only)	SDCS	7S1S002RWW
Brazil	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (Reseller POS Only) - (BR tangible)	SDCT	7S1S002SWW
Argentina	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (Reseller POS Only) AR	SDCU	7S1S002TWW
Peru	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (Reseller POS Only) PE	SDCV	7S1S002UWW
Colombia	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (Reseller POS Only) CO	SDCW	7S1S002VWW
WW except Brazil, AR, CO,PE	Windows Server 2025 Standard Additional License (2 core) (No Media/Key) (Reseller POS Only)	SDCX	7S1S002WWW
WW	Windows Server 2025 Standard Additional License (16 core) (No Media/Key) (Reseller POS Only)	SDCY	7S1S002XWW
Brazil	Windows Server 2025 Datacenter Additional License (2 core) (No Media/Key) (Reseller POS Only) - (BR License only)	SDCZ	7S1S002YWW
Brazil	Windows Server 2025 Datacenter Additional License (2 core) (No Media/Key) (Reseller POS Only) - (BR tangible)	SDD0	7S1S002ZWW
Argentina	Windows Server 2025 Datacenter Additional License (2 core) (No Media/Key) (Reseller POS Only) AR	SDD1	7S1S0030WW
Peru	Windows Server 2025 Datacenter Additional License (2 core) (No Media/Key) (Reseller POS Only) PE	SDD2	7S1S0031WW
Colombia	Windows Server 2025 Datacenter Additional License (2 core) (No Media/Key) (Reseller POS Only) CO	SDD3	7S1S0032WW
WW except Brazil, AR, CO,PE	Windows Server 2025 Datacenter Additional License (2 core) (No Media/Key) (Reseller POS Only)	SDD4	7S1S0033WW
WW	Windows Server 2025 Datacenter Additional License (16 core) (No Media/Key) (Reseller POS Only)	SDD5	7S1S0034WW
<b>Windows Server 2025 Downgrade Kit PN ordering information (part number / feature code)</b>			
China only	Win Svr Essentials 2025 to 2022 Downgrade Kit-Chin Simp	SDAV	CTO only
AP	Win Svr Essentials 2025 to 2022 Downgrade Kit-Chin Trad	SDAW	CTO only
AP	Win Svr Essentials 2025 to 2022 Downgrade Kit-Japanese	SDAX	CTO only
WW	Win Svr Essentials 2025 to 2022 Downgrade Kit-Multilanguage	SDAY	CTO only
China only	Win Svr Essentials 2025 to 2019 Downgrade Kit-Chin Simp	SDB7	CTO only
AP	Win Svr Essentials 2025 to 2019 Downgrade Kit-Chin Trad	SDB8	CTO only
AP	Win Svr Essentials 2025 to 2019 Downgrade Kit-Japanese	SDB9	CTO only
WW	Win Svr Essentials 2025 to 2019 Downgrade Kit-Multilanguage	SDBA	CTO only
China only	Win Svr Standard 2025 to 2022 Downgrade Kit-Chin Simp	SDAZ	CTO only
AP	Win Svr Standard 2025 to 2022 Downgrade Kit-Chin Trad	SDB0	CTO only
AP	Win Svr Standard 2025 to 2022 Downgrade Kit-Japanese	SDB1	CTO only
WW	Win Svr Standard 2025 to 2022 Downgrade Kit-Multilanguage	SDB2	CTO only
China only	Win Svr Standard 2025 to 2019 Downgrade Kit-Chin Simp	SDBB	CTO only
AP	Win Svr Standard 2025 to 2019 Downgrade Kit-Chin Trad	SDBC	CTO only
AP	Win Svr Standard 2025 to 2019 Downgrade Kit-Japanese	SDBD	CTO only
WW	Win Svr Standard 2025 to 2019 Downgrade Kit-Multilanguage	SDBE	CTO only
China only	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Chin Simp	SDB3	CTO only

Region Availability	Description	Feature Code	Lenovo part number
AP	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Chin Trad	SDB4	CTO only
AP	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Japanese	SDB5	CTO only
WW	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Multilanguage	SDB6	CTO only
China only	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Chin Simp	SDBF	CTO only
AP	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Chin Trad	SDBG	CTO only
AP	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Japanese	SDBH	CTO only
WW	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Multilanguage	SDBJ	CTO only

\*POS (point of sale) refers to licenses sold at point of original purchase. These are stacked on base licenses when the number of cores or processors exceeds those covered by the base OS license.

### Windows Server 2025 ROK Part Numbers

The following table lists the Reseller Option Kit (ROK) part numbers.

Table 4. Windows Server 2025 ROK Part Numbers

Region Availability	Description	Feature Code	Lenovo part number
<b>Windows Server 2025 Essentials ROK Part Numbers</b>			
China only	Windows Server 2025 Essentials ROK (10 core) - Chinese Simplified	SD99	7S1S000PWW
AP	Windows Server 2025 Essentials ROK (10 core) - Chinese Traditional	SD9A	7S1S000QWW
AP	Windows Server 2025 Essentials ROK (10 core) - Japanese	SD9B	7S1S000RWW
Brazil	Windows Server 2025 Essentials ROK (10 core) - MultiLang (BR License only)	SD9C	7S1S000SWW
Brazil	Windows Server 2025 Essentials ROK (10 core) - MultiLang (BR Tangible)	SD9D	7S1S000TWW
Argentina	Windows Server 2025 Essentials ROK (10 core) - MultiLang (AR)	SD9E	7S1S000UWW
Peru	Windows Server 2025 Essentials ROK (10 core) - MultiLang (PE)	SD9F	7S1S000VWW
Colombia	Windows Server 2025 Essentials ROK (10 core) - MultiLang (CO)	SD9G	7S1S000WWW
WW Except Brazil, AR, PE, CO	Windows Server 2025 Essentials ROK (10 core) - MultiLang	SD9H	7S1S000XWW
<b>Windows Server 2025 Standard ROK Part Numbers</b>			
China only	Windows Server 2025 Standard ROK (16 core) - Chinese Simplified	SD8M	7S1S0001WW
AP	Windows Server 2025 Standard ROK (16 core) - Chinese Traditional	SD8N	7S1S0002WW
AP	Windows Server 2025 Standard ROK (16 core) - Japanese	SD8P	7S1S0003WW
Brazil	Windows Server 2025 Standard ROK (16 core) - MultiLang (BR License only)	SD8Q	7S1S0004WW
Brazil	Windows Server 2025 Standard ROK (16 core) - MultiLang (BR Tangible)	SD8R	7S1S0005WW
Argentina	Windows Server 2025 Standard ROK (16 core) - MultiLang (AR)	SD8S	7S1S0006WW

<b>Region Availability</b>	<b>Description</b>	<b>Feature Code</b>	<b>Lenovo part number</b>
Peru	Windows Server 2025 Standard ROK (16 core) - MultiLang (PE)	SD8T	7S1S0007WW
Colombia	Windows Server 2025 Standard ROK (16 core) - MultiLang (CO)	SD8U	7S1S0008WW
WW Except Brazil, AR, PE, CO	Windows Server 2025 Standard ROK (16 core) - MultiLang	SD8V	7S1S0009WW
<b>Windows Server 2025 Datacenter ROK Part Numbers</b>			
China only	Windows Server 2025 Datacenter ROK (16 core) - Chinese Simplified	SD8W	7S1S000AWW
AP	Windows Server 2025 Datacenter ROK (16 core) - Chinese Traditional	SD8X	7S1S000BWW
AP	Windows Server 2025 Datacenter ROK (16 core) - Japanese	SD8Y	7S1S000CWW
Brazil	Windows Server 2025 Datacenter ROK (16 core) - MultiLang (BR License only)	SD8Z	7S1S000DWW
Brazil	Windows Server 2025 Datacenter ROK (16 core) - MultiLang (BR Tangible)	SD90	7S1S000EWW
Argentina	Windows Server 2025 Datacenter ROK (16 core) - MultiLang (AR)	SD91	7S1S000FWW
Peru	Windows Server 2025 Datacenter ROK (16 core) - MultiLang (PE)	SD92	7S1S000GWW
Colombia	Windows Server 2025 Datacenter ROK (16 core) - MultiLang (CO)	SD93	7S1S000HWW
WW Except Brazil, AR, PE, CO	Windows Server 2025 Datacenter ROK (16 core) - MultiLang	SD94	7S1S000JWW
China only	Windows Server 2025 Datacenter ROK w/Reassignment (16 core) - Chinese Simplified	SD95	7S1S000KWW
AP	Windows Server 2025 Datacenter ROK w/Reassignment (16 core) - Chinese Traditional	SD96	7S1S000LWW
AP	Windows Server 2025 Datacenter ROK w/Reassignment (16 core) - Japanese	SD97	7S1S000MWW
WW	Windows Server 2025 Datacenter ROK w/Reassignment (16 core) - Multilang	SD98	7S1S000NWW
<b>Windows Server 2025 Downgrade KIT ROK Part Numbers</b>			
China only	Win Svr Essentials 2025 to 2022 Downgrade Kit-Chin Simp ROK	SD9J	7S1S000YWW
AP	Win Svr Essentials 2025 to 2022 Downgrade Kit-Chin Trad ROK	SD9K	7S1S000ZWW
AP	Win Svr Essentials 2025 to 2022 Downgrade Kit-Japanese ROK	SD9L	7S1S0010WW
WW	Win Svr Essentials 2025 to 2022 Downgrade Kit-Multilanguage ROK	SD9M	7S1S0011WW
China only	Win Svr Standard 2025 to 2022 Downgrade Kit-Chin Simp ROK	SD9N	7S1S0012WW
AP	Win Svr Standard 2025 to 2022 Downgrade Kit-Chin Trad ROK	SD9P	7S1S0013WW
AP	Win Svr Standard 2025 to 2022 Downgrade Kit-Japanese ROK	SD9Q	7S1S0014WW

<b>Region Availability</b>	<b>Description</b>	<b>Feature Code</b>	<b>Lenovo part number</b>
WW	Win Svr Standard 2025 to 2022 Downgrade Kit-Multilanguage ROK	SD9R	7S1S0015WW
China only	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Chin Simp ROK	SD9S	7S1S0016WW
AP	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Chin Trad ROK	SD9T	7S1S0017WW
AP	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Japanese ROK	SD9U	7S1S0018WW
WW	Win Svr Datacenter 2025 to 2022 Downgrade Kit-Multilanguage ROK	SD9V	7S1S0019WW
China only	Win Svr Essentials 2025 to 2019 Downgrade Kit-Chin Simp ROK	SD9W	7S1S001AWW
AP	Win Svr Essentials 2025 to 2019 Downgrade Kit-Chin Trad ROK	SD9X	7S1S001BWW
AP	Win Svr Essentials 2025 to 2019 Downgrade Kit-Japanese ROK	SD9Y	7S1S001CWW
WW	Win Svr Essentials 2025 to 2019 Downgrade Kit-Multilanguage ROK	SD9Z	7S1S001DWW
China only	Win Svr Standard 2025 to 2019 Downgrade Kit-Chin Simp ROK	SDA0	7S1S001EWW
AP	Win Svr Standard 2025 to 2019 Downgrade Kit-Chin Trad ROK	SDA1	7S1S001FWW
AP	Win Svr Standard 2025 to 2019 Downgrade Kit-Japanese ROK	SDA2	7S1S001GWW
WW	Win Svr Standard 2025 to 2019 Downgrade Kit-Multilanguage ROK	SDA3	7S1S001HWW
China only	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Chin Simp ROK	SDA4	7S1S001JWW
AP	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Chin Trad ROK	SDA5	7S1S001KWW
AP	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Japanese ROK	SDA6	7S1S001LWW
WW	Win Svr Datacenter 2025 to 2019 Downgrade Kit-Multilanguage ROK	SDA7	7S1S001MWW

Downgrade kits are available at Point of Sale from Lenovo Factory and Business Partners. The provided Lenovo Part Number is orderable by Business Partners / Distributors only.

## Windows Server CAL Part Numbers

The following table lists the Reseller CAL part numbers.

Table 5. Windows Server 2025 CAL Part Numbers

Region Availability	Description	Feature Code	Lenovo part number
Windows Server 2025 CAL (part number / feature code)			
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 CAL (1 Device)	SDD6	7S1S0035WW
Argentina	Windows Server 2025 CAL (1 Device) - (AR)	SDD7	7S1S0036WW
Peru	Windows Server 2025 CAL (1 Device) - (PE)	SDD8	7S1S0037WW
Colombia	Windows Server 2025 CAL (1 Device) - (CO)	SDD9	7S1S0038WW
Brazil	Windows Server 2025 CAL (1 Device) - (BR License only)	SDDA	7S1S0039WW
Brazil	Windows Server 2025 CAL (1 Device) - (BR Tangible)	SDDB	7S1S003AWW
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 CAL (1 User)	SDDC	7S1S003BWW
Argentina	Windows Server 2025 CAL (1 User) - (AR)	SDDD	7S1S003CWW
Peru	Windows Server 2025 CAL (1 User) - (PE)	SDDE	7S1S003DWW
Colombia	Windows Server 2025 CAL (1 User) - (CO)	SDDF	7S1S003EWW
Brazil	Windows Server 2025 CAL (1 User) - (BR License only)	SDDG	7S1S003FWW
Brazil	Windows Server 2025 CAL (1 User) - (BR Tangible)	SDDH	7S1S003GWW
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 CAL (5 Device)	SDDJ	7S1S003HWW
Argentina	Windows Server 2025 CAL (5 Device) - (AR)	SDDK	7S1S003JWW
Peru	Windows Server 2025 CAL (5 Device) - (PE)	SDDL	7S1S003KWW
Colombia	Windows Server 2025 CAL (5 Device) - (CO)	SDDM	7S1S003LWW
Brazil	Windows Server 2025 CAL (5 Device) - (BR License only)	SDDN	7S1S003MWW
Brazil	Windows Server 2025 CAL (5 Device) - (BR Tangible)	SDDP	7S1S003NWW
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 CAL (5 User)	SDDQ	7S1S003PWW
Argentina	Windows Server 2025 CAL (5 User) - (AR)	SDDR	7S1S003QWW
Peru	Windows Server 2025 CAL (5 User) - (PE)	SDDS	7S1S003RWW
Colombia	Windows Server 2025 CAL (5 User) - (CO)	SDDT	7S1S003SWW
Brazil	Windows Server 2025 CAL (5 User) - (BR License only)	SDDU	7S1S003TWW
Brazil	Windows Server 2025 CAL (5 User) - (BR Tangible)	SDDV	7S1S003UWW
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 CAL (10 Device)	SDDW	7S1S003VWW
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 CAL (10 User)	SDDX	7S1S003WWW

<b>Region Availability</b>	<b>Description</b>	<b>Feature Code</b>	<b>Lenovo part number</b>
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 CAL (50 Device)	SDDY	7S1S003XWW
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 CAL (50 User)	SDDZ	7S1S003YWW

## Windows Server RDS CAL Part Numbers

The following table lists the Reseller RDS CAL part numbers.

Table 6. Windows Server 2025 RDS CAL Part Numbers

Region Availability	Description	Feature Code	Lenovo part number
Windows Server 2025 RDS CAL (part number / feature code)			
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (1 Device)	SDE0	7S1S003ZWW
Argentina	Windows Server 2025 Remote Desktop Services Client Access License (1 Device) - (AR)	SDE1	7S1S0040WW
Peru	Windows Server 2025 Remote Desktop Services Client Access License (1 Device) - (PE)	SDE2	7S1S0041WW
Colombia	Windows Server 2025 Remote Desktop Services Client Access License (1 Device) - (CO)	SDE3	7S1S0042WW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (1 Device) - (BR License only)	SDE4	7S1S0043WW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (1 Device) - (BR Tangible)	SDE5	7S1S0044WW
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (1 User)	SDE6	7S1S0045WW
Argentina	Windows Server 2025 Remote Desktop Services Client Access License (1 User) - (AR)	SDE7	7S1S0046WW
Peru	Windows Server 2025 Remote Desktop Services Client Access License (1 User) - (PE)	SDE8	7S1S0047WW
Colombia	Windows Server 2025 Remote Desktop Services Client Access License (1 User) - (CO)	SDE9	7S1S0048WW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (1 User) - (BR License only)	SDEA	7S1S0049WW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (1 User) - (BR Tangible)	SDEB	7S1S004AWW
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (5 Device)	SDEC	7S1S004BWW
Argentina	Windows Server 2025 Remote Desktop Services Client Access License (5 Device) - (AR)	SDED	7S1S004CWW
Peru	Windows Server 2025 Remote Desktop Services Client Access License (5 Device) - (PE)	SDEE	7S1S004DWW
Colombia	Windows Server 2025 Remote Desktop Services Client Access License (5 Device) - (CO)	SDEF	7S1S004EWW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (5 Device) - (BR License only)	SDEG	7S1S004FWW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (5 Device) - (BR Tangible)	SDEH	7S1S004GWW
LFO=WW Except Brazil,AR, PE,CO, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (5 User)	SDEJ	7S1S004HWW
Argentina	Windows Server 2025 Remote Desktop Services Client Access License (5 User) - (AR)	SDEK	7S1S004JWW
Peru	Windows Server 2025 Remote Desktop Services Client Access License (5 User) - (PE)	SDEL	7S1S004KWW

<b>Region Availability</b>	<b>Description</b>	<b>Feature Code</b>	<b>Lenovo part number</b>
Colombia	Windows Server 2025 Remote Desktop Services Client Access License (5 User) - (CO)	SDEM	7S1S004LWW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (5 User) - (BR License only)	SDEN	7S1S004MWW
Brazil	Windows Server 2025 Remote Desktop Services Client Access License (5 User) - (BR Tangible)	SDEP	7S1S004NWW
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (10 Device)	SDEQ	7S1S004PWW
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (10 User)	SDER	7S1S004QWW
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (50 Device)	SDES	7S1S004RWW
LFO=WW except Brazil, AR, CO,PE, FC=WW	Windows Server 2025 Remote Desktop Services Client Access License (50 User)	SDET	7S1S004SWW

## Windows Server 2022

This section provides information on Windows Server 2022 from Lenovo:

Please note that last shipment of Windows Server 2022 will be on September 30, 2025. If you want to purchase Windows Server during this period, make sure to coordinate your shipment to be until September 30, 2025. If the shipment date surpassed that date you will need to change to the new version 2025.

- [Features](#)
- [Feature codes for configure-to-order](#)
- [Part numbers for Reseller Option Kits](#)

Windows Server 2022 is built on the strong foundation of Windows Server 2019 and brings many innovations on three key themes: security, Azure hybrid integration and management, and application platform.

## Features

### Enhanced security capabilities

For IT professionals, security and compliance are primary concerns. The new security capabilities in Windows Server 2022 combine other security capabilities in Windows Server across multiple areas to provide defense-in-depth protection against advanced threats. Advanced multi-layer security in Windows Server 2022 provides the comprehensive protection that servers need today.

- **Secure-core server** - A Secured-core server uses hardware, firmware, and driver capabilities to enable advanced Windows Server security features. Many of these features are available in Windows Secured-core PCs and are now also available with Secured-core server hardware and Windows Server 2022.
- **Hardware root-of-trust** - Trusted Platform Module 2.0 (TPM 2.0) secure crypto-processor chips provide a secure, hardware-based store for sensitive cryptographic keys and data, including systems integrity measurements. TPM 2.0 can verify that the server has been started with legitimate code and can be trusted by subsequent code execution.
- **Firmware protection** - Firmware executes with high privileges and is often invisible to traditional anti-virus solutions, which has led to a rise in the number of firmware-based attacks. Secured-core server processors support measurement and verification of boot processes with Dynamic Root of Trust for Measurement (DRTM) technology and isolation of driver access to memory with Direct Memory Access (DMA) protection.

### Azure Hybrid Capabilities

You can increase your efficiency and agility with built-in hybrid capabilities in Windows Server 2022 that allow you to extend your data centers to Azure more easily than ever before.

- **Azure Arc enabled Windows Servers**— Azure Arc enabled servers with Windows Server 2022 brings on-premises and multi-cloud Windows Servers to Azure with Azure Arc. This management experience is designed to be consistent with how you manage native Azure virtual machines. When a hybrid machine is connected to Azure, it becomes a connected machine and is treated as a resource in Azure. More information can be found at the [Azure Arc enables servers documentation](#).
- **Windows Admin Center** - Improvements to Windows Admin Center to manage Windows Server 2022 include capabilities to report on the current state of the Secured-core features, and where applicable, allow customers to enable the features. More information on these and many more improvements to Windows Admin Center can be found at the [Windows Admin Center documentation](#).

### Application platform

There are several platform improvements for Windows Containers, including application compatibility and the Windows Container experience with Kubernetes. A major improvement includes reducing the Windows Container image size by up to 40%, which leads to a 30% faster startup time and better performance.

With support for Intel Ice Lake processors, Windows Server 2022 supports business-critical and large-scale applications, such as SQL Server, that require up to 48 TB of memory and 2,048 logical cores running on 64 physical sockets. Confidential computing with Intel Secured Guard Extension (SGX) on Intel Ice Lake improves application security by isolating applications from each other with protected memory.

To see more detail about new features on Windows Server 2022, please visit: <https://docs.microsoft.com/en-us/windows-server/get-started/whats-new-in-windows-server-2022>

Between other new features you can see:

- Nested virtualization for AMD processors
- Storage Migration Service
- Adjustable storage repair speed
- Faster repair and resynchronization

- SMB compression

## Windows Server 2022 CTO Feature Codes and Part Numbers

The following tables list the Windows Server 2022 configure-to-order (CTO) Feature Codes and part numbers:

Table 7. Windows Server 2022 configure-to-order (CTO) Feature Codes and part numbers

Region Availability	Description	Feature Code	Lenovo part number
Windows Server 2022 Essentials ordering information (part number / feature code)			
WW	Windows Server 2022 Essentials (10 core) - English (factory installed)	S62N	CTO only
WW	Windows Server 2022 Essentials (10 core) - MultiLang (not preinstalled)	S62U	CTO only
LA, EMEA, NA	Windows Server 2022 Essentials (10 core) - Spanish (factory installed)	S62Q	CTO only
China only	Windows Server 2022 Essentials (10 core) - Chinese Simplified (factory installed)	S62M	CTO only
China only	Windows Server 2022 Essentials (10 core) - Chinese Simplified (not preinstalled)	S62R	CTO only
AP	Windows Server 2022 Essentials -(10 core) Chinese Traditional (not preinstalled)	S62S	CTO only
AP	Windows Server 2022 Essentials (10 core) - Japanese (factory installed)	S62P	CTO only
AP	Windows Server 2022 Essentials (10 core) - Japanese (not preinstalled)	S62T	CTO only
Windows Server 2022 Standard ordering information (part number / feature code)			
WW	Windows Server 2022 Standard (16 core) - English (factory installed)	S627	CTO only
WW	Windows Server 2022 Standard (16 core) - MultiLang (not preinstalled)	S62D	CTO only
LA, EMEA, NA	Windows Server 2022 Standard (16 core) - Spanish (factory installed)	S629	CTO only
China only	Windows Server 2022 Standard (16 core) - Chinese Simplified (factory installed)	S626	CTO only
China only	Windows Server 2022 Standard (16 core) - Chinese Simplified (not preinstalled)	S62A	CTO only
AP	Windows Server 2022 Standard (16 core) - Chinese Traditional (not preinstalled)	S62B	CTO only
AP	Windows Server 2022 Standard (16 core) - Japanese (factory installed)	S628	CTO only
AP	Windows Server 2022 Standard (16 core) - Japanese (not preinstalled)	S62C	CTO only
Windows Server 2022 Standard Additional License ordering information (part number / feature code)			
WW	Windows Server 2022 Standard Additional License (16 core) (No Media/Key) (APOS)	S60S	7S05007LWW
WW	Windows Server 2022 Standard Additional License (16 core) (No Media/Key) (POS Only)*	S60U	CTO only
WW	Windows Server 2022 Standard Additional License (16 core) (No Media/Key) (Reseller POS Only)	S60Z	7S05007PWW
WW	Windows Server 2022 Standard Additional License (2 core) (No Media/Key) (POS Only)*	S60T	CTO only

Region Availability	Description	Feature Code	Lenovo part number
WW except Brazil	Windows Server 2022 Standard Additional License (2 core) (No Media/Key) (APOS)	S60Q	7S05007JWW
WW except Brazil	Windows Server 2022 Standard Additional License (2 core) (No Media/Key) (Reseller POS Only)	S60X	7S05007MWW
<b>Windows Server 2022 Datacenter ordering information (part number / feature code)</b>			
WW	Windows Server 2022 Datacenter (16 core) - English (factory installed) drop in the box	S62F	CTO only
WW	Windows Server 2022 Datacenter (16 core) - MultiLang (not preinstalled)	S62L	CTO only
China only	Windows Server 2022 Datacenter (16 core) - Chinese Simplified (factory installed)	S62E	CTO only
China only	Windows Server 2022 Datacenter (16 core) - Chinese Simplified (not preinstalled)	S62H	CTO only
AP	Windows Server 2022 Datacenter (16 core) - Chinese Traditional (not preinstalled)	S62J	CTO only
AP	Windows Server 2022 Datacenter (16 core) - Japanese (factory installed)	S62G	CTO only
AP	Windows Server 2022 Datacenter (16 core) - Japanese (not preinstalled)	S62K	CTO only
<b>Windows Server 2022 CAL ordering information (part number / feature code)</b>			
WW	Windows Server 2022 CAL (1 Device)	S5ZG	7S05007TWW
WW	Windows Server 2022 CAL (1 User)	S5ZH	7S05007UWW
WW	Windows Server 2022 CAL (10 Device)	S5ZN	7S05007ZWW
WW	Windows Server 2022 CAL (10 User)	S5ZP	7S050080WW
WW except Brazil	Windows Server 2022 CAL (5 User)	S5ZL	7S05007XWW
WW	Windows Server 2022 CAL (50 Device)	S5ZQ	7S050081WW
WW	Windows Server 2022 CAL (50 User)	S5ZR	7S050082WW
<b>Windows Server 2022 Remote Desktop Services CAL ordering information (part number / feature code)</b>			
WW	Windows Server 2022 Remote Desktop Services CAL 2022 (10 Device)	S602	7S050087WW
WW	Windows Server 2022 Remote Desktop Services CAL (1 Device)	S5ZS	7S050083WW
WW	Windows Server 2022 Remote Desktop Services CAL 2022 (1 User)	S5ZT	7S050084WW
WW	Windows Server 2022 Remote Desktop Services CAL 2022 (10 User)	S603	7S050088WW
WW	Windows Server 2022 Remote Desktop Services CAL 2022 (5 Device)	S5ZU	7S050085WW
WW	Windows Server 2022 Remote Desktop Services CAL 2022 (5 User)	S5ZV	7S050086WW
WW	Windows Server 2022 Remote Desktop Services CAL 2022 (50 Device)	S604	7S050089WW
WW	Windows Server 2022 Remote Desktop Services CAL 2022 (50 User)	S605	7S05008AWW

\*POS (point of sale) refers to licenses sold at point of original purchase. These are stacked on base licenses when the number of cores or processors exceeds those covered by the base OS license.

## Windows Server 2022 ROK Part Numbers

The following table lists the Reseller Option Kit (ROK) part numbers.

Table 8. Windows Server 2022 ROK Part Numbers

Region Availability	Description	Feature Code	Lenovo part number
<b>Windows Server 2022 Essentials ROK Part Numbers</b>			
WW except Brazil	Windows Server 2022 Essentials ROK (10 core) - MultiLang	S5YR	7S050063WW
China only	Windows Server 2022 Essentials ROK (10 core) - Chinese Simplified	S5YM	7S05005ZWW
AP	Windows Server 2022 Essentials ROK (10 core) - Chinese Traditional	S5YN	7S050060WW
AP	Windows Server 2022 Essentials ROK (10 core) - Japanese	S5YP	7S050061WW
<b>Windows Server 2022 Standard ROK Part Numbers</b>			
WW except Brazil	Windows Server 2022 Standard ROK (16 core) - MultiLang	S5YB	7S05005PWW
China only	Windows Server 2022 Standard ROK (16 core) - Chinese Simplified	S5Y7	7S05005KWW
AP	Windows Server 2022 Standard ROK (16 core) - Chinese Traditional	S5Y8	7S05005LWW
AP	Windows Server 2022 Standard ROK (16 core) - Japanese	S5Y9	7S05005MWW
<b>Windows Server 2022 Datacenter ROK Part Numbers</b>			
WW except Brazil	Windows Server 2022 Datacenter ROK (16 core) - MultiLang	S5YG	7S05005UWW
WW	Windows Server 2022 Datacenter ROK w/Reassignment (16 core) - Multilang	S5YL	7S05005YWW
China only	Windows Server 2022 Datacenter ROK (16 core) - Chinese Simplified	S5YC	7S05005QWW
China only	Windows Server 2022 Datacenter ROK w/Reassignment (16 core) - Chinese Simplified	S5YH	7S05005VWW
AP	Windows Server 2022 Datacenter ROK (16 core) - Chinese Traditional	S5YD	7S05005RWW
AP	Windows Server 2022 Datacenter ROK (16 core) - Japanese	S5YE	7S05005SWW
AP	Windows Server 2022 Datacenter ROK w/Reassignment (16 core) - Chinese Traditional	S5YJ	7S05005WWW
AP	Windows Server 2022 Datacenter ROK w/Reassignment (16 core) - Japanese	S5YK	7S05005XWW
<b>Windows Server 2022 Downgrade KIT ROK Part Numbers</b>			
WW	Windows Server Datacenter 2022 to 2016 Downgrade Kit-Multilanguage ROK	S5ZF	7S05006TWW
WW	Windows Server Datacenter 2022 to 2019 Downgrade Kit-Multilanguage ROK	S5Z3	7S05006FWW
WW	Windows Server Essentials 2022 to 2016 Downgrade Kit-Multilanguage ROK	S5Z7	7S05006KWW
WW	Windows Server Essentials 2022 to 2019 Downgrade Kit-Multilanguage ROK	S5YV	7S050067WW
WW	Windows Server Standard 2022 to 2016 Downgrade Kit-Multilanguage ROK	S5ZB	7S05006PWW

<b>Region Availability</b>	<b>Description</b>	<b>Feature Code</b>	<b>Lenovo part number</b>
WW	Windows Server Standard 2022 to 2019 Downgrade Kit-Multilanguage ROK	S5YZ	7S05006BWW
China only	Windows Server Datacenter 2022 to 2016 Downgrade Kit-Chin Simp ROK	S5ZC	7S05006QWW
China only	Windows Server Datacenter 2022 to 2019 Downgrade Kit-Chin Simp ROK	S5Z0	7S05006CWW
China only	Windows Server Essentials 2022 to 2016 Downgrade Kit-Chin Simp ROK	S5Z4	7S05006GWW
China only	Windows Server Essentials 2022 to 2019 Downgrade Kit-Chin Simp ROK	S5YS	7S050064WW
China only	Windows Server Standard 2022 to 2016 Downgrade Kit-Chin Simp ROK	S5Z8	7S05006LWW
China only	Windows Server Standard 2022 to 2019 Downgrade Kit-Chin Simp ROK	S5YW	7S050068WW
AP	Windows Server Datacenter 2022 to 2016 Downgrade Kit-Chin Trad ROK	S5ZD	7S05006RWW
AP	Windows Server Datacenter 2022 to 2016 Downgrade Kit-Japanese ROK	S5ZE	7S05006SWW
AP	Windows Server Datacenter 2022 to 2019 Downgrade Kit-Chin Trad ROK	S5Z1	7S05006DWW
AP	Windows Server Datacenter 2022 to 2019 Downgrade Kit-Japanese ROK	S5Z2	7S05006EWW
AP	Windows Server Essentials 2022 to 2016 Downgrade Kit-Chin Trad ROK	S5Z5	7S05006HWW
AP	Windows Server Essentials 2022 to 2016 Downgrade Kit-Japanese ROK	S5Z6	7S05006JWW
AP	Windows Server Essentials 2022 to 2019 Downgrade Kit-Chin Trad ROK	S5YT	7S050065WW
AP	Windows Server Essentials 2022 to 2019 Downgrade Kit-Japanese ROK	S5YU	7S050066WW
AP	Windows Server Standard 2022 to 2016 Downgrade Kit-Chin Trad ROK	S5Z9	7S05006MWW
AP	Windows Server Standard 2022 to 2016 Downgrade Kit-Japanese ROK	S5ZA	7S05006NWW
AP	Windows Server Standard 2022 to 2019 Downgrade Kit-Chin Trad ROK	S5YX	7S050069WW
AP	Windows Server Standard 2022 to 2019 Downgrade Kit-Japanese ROK	S5YY	7S05006AWW

Downgrade kits are available at Point of Sale from Lenovo Factory and Business Partners. The provided Lenovo Part Number is orderable by Business Partners / Distributors only.

## Windows Server Licensing FAQ

Additional information about licensing.

### 1. Q: What types of Windows licenses does Lenovo offer?

**A:** Lenovo offers OEM licenses for Windows Server, SQL Server as well as the associated CAL products. Please refer to the product list found at: <https://dcsc.lenovo.com/#/software>.

### 2. Q: What is the difference between ROK and DIB and Pre-installed offerings?

**A: ROK** – the Reseller Option Kit is sold by Lenovo’s authorized resellers and distributors. It is comprised of OS installation media and a MS COA label affixed to the server chassis. Resellers may provide additional OS installation services to the customer.

**DIB** (Drop-In-Box) – Lenovo factory direct offering that ships OS installation media and a MS COA label affixed to the server chassis (for customers choosing do-it-yourself installations).

**Pre-installed** – Lenovo factory direct offering that ships OS installation media and MS COA label affixed to the server chassis and the OS factory installed in generic fashion onto the server’s mass storage using recent device drivers.

### 3. Q: How is Windows Server 2025 licensed?

**A:** Microsoft is licensing Datacenter and Standard editions by physical processor cores.

**Datacenter Edition** provides rights to run unlimited OSEs and unlimited Windows Server containers when all physical cores on the server are licensed.

**Standard Edition** provides rights to run up to two OSEs or two Hyper-V containers and unlimited Windows Server containers when all physical cores on the server are licensed.

**Essentials Edition** remains on the processor-based licensing starting with the 2025 version may only be used on servers with 1 CPU.

### 4. Q: What are CALs and do I need them?

**A:** CALs (Client Access Licenses) are separately purchased licenses that allow Users or Devices to access resources on a licensed Windows Server OS environment.

Essentials Edition provides support for up to 25 Users; no additional CALs are needed.

Datacenter and Standard Edition include no CALs as part of the Base license. Customers must purchase User or Device CALs appropriate for their needs.

For more detailed information, please reference:

<https://www.microsoft.com/en-us/licensing/product-licensing/client-access-license>

### 5. Q: What is a “Base license” versus an “Additional license”?

**A:** The 16 core Datacenter and Standard edition Base licenses provide the minimum OS licensing basis for a physical server. Each server requires at least one Base license.

Additional core licenses must be purchased depending on the server’s processor configuration.

To calculate the appropriate core licenses needed for your server, please visit:

<https://www.lenovosalesportal.com/windows-server-2022-core-licensing-calculator.aspx>

**6. Q: How are the MS OEM OS licenses delivered?**

**A: Base licenses** for Datacenter, Standard and Essentials include a Certificate of Authenticity (COA), product key (PK), product software (OS installation DVD), and the Microsoft Software License (formerly known as EULA). Lenovo or Lenovo Resellers will affix the base license COA label to the server chassis (exception being offerings for Windows Server Datacenter w/ Reassignment where the COA remains with the SW Shipgroup that contains the OS installation media).

**Additional licenses** for Datacenter and Standard include a Certificate of Authenticity (COA), and the Microsoft Software License (formerly known as EULA). The Additional license-COA label is contained affixed to a card in the shrinkwrapped SW Shipgroup (there is no product key included).

**OS-CALs** for Datacenter and Standard include a Certificate of Authenticity (COA), and the Microsoft Software License (formerly known as EULA). The CAL-COA label is contained affixed to a card in the shrinkwrapped SW Shipgroup (there is no product key included).

**RDS-CALs** for Datacenter and Standard include a Certificate of Authenticity (COA), product key (PK), and the Microsoft Software License (formerly known as EULA). The RDS-COA label is affixed to a card contained in the shrinkwrapped SW Shipgroup (there is a unique 5x5 product key printed on the RDS CAL label).

Extreme care must be taken to safekeep the provided COA labels (whether they are affixed to the server chassis or contained on the provided SW shipgroup) since there is no way to “reissue” or “replace” these COA labels.

**7. Q: Which licenses are available for purchase after point of sale (APOS)?**

**A:** Currently Microsoft limits the sale of OEM Base OS license offerings for Essentials, Standard and Datacenter editions to “at Point of Sale” (of the server hardware). However, additional licenses for Standard Edition are also available as “APOS” versions to facilitate customer’s changing need for HW upgrades or adding additional VMs.

Please refer to the product list found at the following page:  
<http://dcsc.lenovo.com/#/software>

**OS CALs** and **RDS CALs** are available for purchase after point of sale.

**8. Q: What are my downgrade rights?**

**A:** Lenovo offers various “Downgrade” offerings at point of sale. Please refer to the product list found at <http://dcsc.lenovo.com/#/software>. If you are considering making use of your Downgrade rights, it is recommended to purchase these Downgrade kits at the same time as the server purchase.

For After Point of Sale Downgrade options, please reference this support page:  
<https://support.lenovo.com/us/en/solutions/ht101582>

**9. Q: Are RDS CALs version specific?**

**A:** Yes, RDS CALs version must match that of the RDS Host Server’s OS.

For further information please see:  
<https://docs.microsoft.com/en-us/windows-server/remote/remote-desktop-services/rds-client-access-license>

**10. Q: Are OS CALs version specific?**

**A:** CALs are only backwards version compatible, e.g. Windows Server 2022 CAL can be used to access Windows Server 2022 and previous versions.

For further information please see:  
<https://www.microsoft.com/en-us/licensing/product-licensing/client-access-license>

11. **Q: Lenovo provided OS media will not install under VMware ESXi.**

**A:** When attempting to install Microsoft Windows Server using Lenovo-provided installation media into a virtualized computing environment created by VMware ESXi, the install may fail and an error message similar to this is shown:

"Please check with your computer manufacturer to resolve any issues you are having with this computer. These tools are built to only run on Lenovo computers. Since this system is not recognized as a valid system, the installation cannot continue."

Please reference the following solution:

<https://support.lenovo.com/us/en/solutions/HT506366>

12. **Q: Where is my Activation code?**

**A:** If your SW offering requires an activation code (see #6), then it is printed on a COA label similar to the one pictured here:



Most OEM **Base OS COAs** must be adhered to the server chassis, depending on the server chassis, the COA label can be found on the top, or the side chassis (typically adjacent to agency labels):



However, due to space constraints, the COA may also be found on the bottom chassis:



Base OS license products “with reassignment” rights are an exception: its COA is attached to a card that is delivered alongside the server shipment.

Note that OEM COAs are “tied” to the hardware with which they were originally purchased with and cannot be transferred to another system unless Microsoft Software Assurance is added within 90 days of buying the server or when reassignment rights are specified within the product terms (e.g. included in “ Windows Server 2024, Windows Server 2022, Windows Server 2019 and 2016 Datacenter w/Reassignment Rights” SKU).

**CAL offerings** do not include an activation code, their CAL-COA labels are proof of purchase only.

**RDS CAL offerings** do include an activation code on their RDS-COA label which is affixed to a card contained in the shrink-wrapped SW Shippgroup.

**13. Q: Can I use my OEM activation code on an image installed with Evaluation or Retail OS images?**

**A:** By Microsoft design, the 25-character activation code (a.k.a. “5x5”) that is printed on the Lenovo OS COA label is designed to only work with OS installations that were performed using the provided Lenovo installation media.

However, Microsoft has published an unsupported method for license conversion which is provided here for additional reference:

<https://docs.microsoft.com/en-us/windows-server/get-started/supported-upgrade-paths#converting-a-current-evaluation-version-to-a-current-retail-version>

Please note that Lenovo is not able to assist with such license conversion workarounds.

**14. Q: The activation code on my COA label is damaged.**

**A:** Should the 25-character activation code on the COA label become illegible please contact Lenovo Data Center support at <https://datacentersupport.lenovo.com/us/en/supportphonenumber> and reference the “Damaged COA Replacement Process”.

Note: This process requires a digital picture of the damaged COA to start the replacement process that Lenovo will engage in with Microsoft. Lenovo cannot “replace” or “reissue” COA labels that have been lost.

**15. Q: I lost my OS installation media or my media is defective.**

**A:** Lenovo offers replacement of the Lenovo branded OS installation media should it be lost or becomes defective. Please contact Lenovo Data Center Support at: <https://datacentersupport.lenovo.com/us/en/supportphonenumber>

**16. Q: Can I reassign a Lenovo OEM Licenses in the case of new hardware or a disaster recovery scenario?**

**A:** Lenovo does offer a Datacenter license that includes reassignment rights, which can be reassigned to a new server every 90 days; in the same manner as volume licensing. Lenovo also offers Datacenter and Standard OEM licenses which are more cost effective, and do not have reassignment rights. Should the customer purchase one of these licenses and require reassignment rights they would need to purchase Software Assurance from a Microsoft volume license reseller.

Note: Software Assurance must be purchased within 90 days of the OEM product and can only be applied to the most recent form of the OS.

## SQL Server licensing

Lenovo offers the following types of licenses for **SQL Server 2025 Standard Edition**:

- **CTO (Configure To Order)**: OEM license that is added to the Lenovo server shipment at manufacturing.
  - “Core based” (No SQL CALs required)
  - “Server + CAL based” (SQL CALs required)
- **ROK (Reseller Option Kit)**: Sold by Lenovo’s authorized resellers and distributors. SQL Server 2025 is offered as a bundled offering with a Windows Server OS such as Windows Server 2025 Standard (16 Core) or Datacenter (16 Core)
  - “Server + CAL based” (SQL CALs required)

Note: Both Windows CALs and SQL Server CALs need to be considered. Client Access Licenses (CALs) can be per-user or per-device.

Each **user CAL** permits one user, using any device, to access instances of the server software on their licensed servers. Each **device CAL** permits one device, used by any user, to access instances of the server software on their licensed servers.

Note that the maximum compute capacity for SQL standard is 4 sockets / 24 physical or virtual cores and 128 GB Memory for DB engines. As such, please take this into consideration during configuration of the server hardware.

If the users / devices connecting to the database are large and unknown, Core based licenses should be considered. For Customer environments with a known number of user/ devices, Server + CAL licensing is recommended. The SQL CALs should be chosen based on the users/ devices connecting to database.

## SQL Server 2025

This section provides information on SQL Server 2025 Standard Edition from Lenovo:

- [Features](#)
- [Feature codes for configure-to-order](#)
- [Part numbers for Reseller Option Kits](#)

### Features

Learn more about SQL Server 2025 Standard Edition features on this page:

<https://learn.microsoft.com/en-us/sql/sql-server/editions-and-components-of-sql-server-2025?view=sql-server-ver17&preserve-view=true>

### SQL Server 2025 Standard Edition CTO Feature Codes

The following tables list the configure-to-order (CTO) feature codes to order SQL Server 2025.

Please, check on the Country/Geo and the language to identify the part that best suite you.

Table 9. SQL Server Standard 2025 parts and Feature code

GEO	Description	FC	Lenovo PN	
<b>Microsoft SQL Server 2025 Standard</b>				
Brazil	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - Brazilian	SEJ8	For config only
China	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - ChnSimp	SEJ9	For config only
AP, China	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - ChnTrad	SEJA	For config only
WW except BR	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - English	SEJB	For config only
EMEA, NA	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - French	SEJC	For config only
EMEA	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - German	SEJD	For config only
EMEA	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - Italian	SEJE	For config only
AP, China	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - Japanese	SEJF	For config only
AP, China	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - Korean	SEJG	For config only
EMEA, NA, LA except BR	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard - Spanish	SEJH	For config only
Brazil	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - Brazilian	SEHY	For config only
China	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - ChnSimp	SEHZ	For config only
AP,China	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - ChnTrad	SEJ0	For config only

WW Except BR	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - English	SEJ1	For config only
NA,EMEA	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - French	SEJ2	For config only
EMEA	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - German	SEJ3	For config only
EMEA	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - Italian	SEJ4	For config only
AP,China	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - Japanese	SEJ5	For config only
AP,China	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - Korean	SEJ6	For config only
EMEA, NA, LA except BR	Per 4 Core	Microsoft SQL Server 2025 Standard 4 core - Spanish	SEJ7	For config only
<b>Microsoft SQL Server 2025 Standard Downgrade</b>				
Brazil	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Brazilian (Reseller POS Only)	SEKS	7S1S005ZWW
China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - ChnSimp (Reseller POS Only)	SEKT	7S1S0060WW
AP, China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - ChnTrad (Reseller POS Only)	SEKU	7S1S0061WW
WW except BR,AR,CO,PE,	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - English (Reseller POS Only)	SEKV	7S1S0062WW
NA, EMEA	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - French (Reseller POS Only)	SEKW	7S1S0063WW
EMEA	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - German (Reseller POS Only)	SEKX	7S1S0064WW
EMEA	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Italian (Reseller POS Only)	SEKY	7S1S0065WW
AP, China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Japanese (Reseller POS Only)	SEKZ	7S1S0066WW
AP, China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Korean (Reseller POS Only)	SELO	7S1S0067WW
EMEA, NA, LA except BR,AR,CO,PE	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Spanish (Reseller POS Only)	SEL1	7S1S0068WW
Brazil	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Brazilian	SEJL	For config only
China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - ChnSimp	SEJM	For config only
AP, China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - ChnTrad	SEJN	For config only

WW except BR	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - English	SEJP	For config only
EMEA, NA	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - French	SEJQ	For config only
EMEA	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - German	SEJR	For config only
EMEA	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Italian	SEJS	For config only
AP, China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Japanese	SEJT	For config only
AP, China	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Korean	SEJU	For config only
EMEA, NA, LA except BR	Media OTC - MS SQL Svr 2025 Downgrade Media	SQL Svr Standard Edtn 2025 Downgrade Kit - Spanish	SEJV	For config only
<b>Microsoft SQL Server 2025 Client Access Licenses (CALs)</b>				
LFO=WW except BR, AR, CO,PE, FC=WW	Per 1 Device	Microsoft SQL Server 2025 Client Access License (1 Device)	SEL8	7S1S006FWW
Argentina	Per 1 Device	Microsoft SQL Server 2025 Client Access License (1 Device) (AR only)	SEL9	7S1S006GWW
Brazil	Per 1 Device	Microsoft SQL Server 2025 Client Access License (1 Device) (BR License only)	SELA	7S1S006HWW
Brazil	Per 1 Device	Microsoft SQL Server 2025 Client Access License (1 Device) (BR Tangible)	SELB	7S1S006JWW
Colombia	Per 1 Device	Microsoft SQL Server 2025 Client Access License (1 Device) (CO only)	SELC	7S1S006KWW
Peru	Per 1 Device	Microsoft SQL Server 2025 Client Access License (1 Device) (PE only)	SELD	7S1S006LWW
LFO=WW except BR, AR, CO,PE, FC=WW	Per 1 User	Microsoft SQL Server 2025 Client Access License (1 User)	SELE	7S1S006MWW
Argentina	Per 1 User	Microsoft SQL Server 2025 Client Access License (1 User) (AR only)	SELF	7S1S006NWW
Brazil	Per 1 User	Microsoft SQL Server 2025 Client Access License (1 User) (BR License only)	SELG	7S1S006PWW
Brazil	Per 1 User	Microsoft SQL Server 2025 Client Access License (1 User) (BR Tangible)	SELH	7S1S006QWW
Colombia	Per 1 User	Microsoft SQL Server 2025 Client Access License (1 User) (CO only)	SELJ	7S1S006RWW
Peru	Per 1 User	Microsoft SQL Server 2025 Client Access License (1 User) (PE only)	SELK	7S1S006SWW
LFO=WW except BR, AR, CO,PE, FC=WW	Per 5 Device	Microsoft SQL Server 2025 Client Access License (5 Device)	SELL	7S1S006TWW
Argentina	Per 5 Device	Microsoft SQL Server 2025 Client Access License (5 Device) (AR only)	SELM	7S1S006UWW
Brazil	Per 5 Device	Microsoft SQL Server 2025 Client Access License (5 Device) (BR License only)	SELN	7S1S006VWW

Brazil	Per 5 Device	Microsoft SQL Server 2025 Client Access License (5 Device) (BR Tangible)	SELP	7S1S006WWW
Colombia	Per 5 Device	Microsoft SQL Server 2025 Client Access License (5 Device) (CO only)	SELQ	7S1S006XWW
Peru	Per 5 Device	Microsoft SQL Server 2025 Client Access License (5 Device) (PE only)	SELR	7S1S006YWW
LFO=WW except BR, AR, CO,PE, FC=WW	Per 5 User	Microsoft SQL Server 2025 Client Access License (5 User)	SELS	7S1S006ZWW
Argentina	Per 5 User	Microsoft SQL Server 2025 Client Access License (5 User) (AR only)	SELT	7S1S0070WW
Brazil	Per 5 User	Microsoft SQL Server 2025 Client Access License (5 User) (BR License only)	SELU	7S1S0071WW
Brazil	Per 5 User	Microsoft SQL Server 2025 Client Access License (5 User) (BR Tangible)	SELV	7S1S0072WW
Colombia	Per 5 User	Microsoft SQL Server 2025 Client Access License (5 User) (CO only)	SELW	7S1S0073WW
Peru	Per 5 User	Microsoft SQL Server 2025 Client Access License (5 User) (PE only)	SELX	7S1S0074WW
<b>Microsoft SQL Server 2025 Additional Licenses</b>				
WW except AR,BR,CO,PE,	Per Instance	MS SQL Svr 2025 Standard Addl Svr Lic (Reseller POS Only)	SEL2	7S1S0069WW
Argentina	Per Instance	MS SQL Svr 2025 Standard Addl Svr Lic (Reseller POS Only) (AR only)	SEL3	7S1S0075WW
Brazil	Per Instance	MS SQL Svr 2025 Standard Addl Svr Lic (Reseller POS Only) (BR only) (License only)	SEL4	7S1S006BWW
Brazil	Per Instance	MS SQL Svr 2025 Standard Addl Svr Lic (Reseller POS Only) (BR only) Tangible	SEL5	7S1S006CWW
Colombia	Per Instance	MS SQL Svr 2025 Standard Addl Svr Lic (Reseller POS Only) (CO only)	SEL6	7S1S0076WW
Peru	Per Instance	MS SQL Svr 2025 Standard Addl Svr Lic (Reseller POS Only) (PE only)	SEL7	7S1S0077WW
WW	Per 2 Core	Microsoft SQL Server 2025 Standard 2 Core Additional License	SEJK	For config only
WW	Per Physical or Virtual Server	Microsoft SQL Server 2025 Standard Additional Server License	SEJJ	For config only

SQL Server Standard Edition 2025 Downgrade Kit includes installation material for SQL 2012 as well as SQL 2019.

### SQL Server 2025 Standard Edition ROK Part Numbers

The following tables list the Reseller Option Kit (ROK) part numbers to order SQL Server 2025.

Table 10. SQL Server 2025 ROK Part Numbers

GEO	Charge Metric	Description	FC	Lenovo Part number
<b>Microsoft SQL Server 2025 Standard ROK Part Numbers</b>				

Brazil	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Brazilian (License only)	SEKB	7S1S005JWW
Brazil	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Brazilian (tangible)	SEKC	7S1S005KWW
China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - ChnSimp	SEKD	7S1S005LWW
AP, China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - ChnTrad	SEKE	7S1S005MWW
WW Except BR, AR,CO,PE	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - English	SEKF	7S1S005NWW
NA, EMEA	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - French	SEKG	7S1S005PWW
EMEA	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - German	SEKH	7S1S005QWW
EMEA	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Italian	SEKJ	7S1S005RWW
AP, China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Japanese	SEKK	7S1S005SWW
AP, China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Korean	SEKL	7S1S005TWW
WW Except BR, AR,CO,PE	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang	SEKN	7S1S005VWW
Argentina	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang (AR only)	SEKP	7S1S005WWW
Colombia	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang (CO only)	SEKQ	7S1S005XWW
Peru	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang (PE only)	SEKR	7S1S005YWW
EMEA, NA, LA except BR,AR,CO, PE	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Datacenter ROK (16 core) - Spanish	SEKM	7S1S005UWW
Brazil	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Brazilian (License only)	SEJW	7S1S0053WW
Brazil	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Brazilian (tangible)	SEJX	7S1S0054WW
China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - ChnSimp	SEJY	7S1S0055WW
AP, China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - ChnTrad	SEJZ	7S1S0056WW
WW Except BR, AR,CO,PE	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - English	SEK0	7S1S0057WW
NA, EMEA	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - French	SEK1	7S1S0058WW
EMEA	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - German	SEK2	7S1S0059WW

EMEA	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Italian	SEK3	7S1S005AWW
AP, China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Japanese	SEK4	7S1S005BWW
AP, China	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Korean	SEK5	7S1S005CWW
WW Except BR, AR,CO,PE	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang	SEK7	7S1S005EWW
Argentina	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang (AR only)	SEK8	7S1S005FWW
Colombia	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang (CO only)	SEK9	7S1S005GWW
Peru	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang (PE only)	SEKA	7S1S005HWW
EMEA, NA, LA except BR,AR,CO, PE	Per 16 Core	Microsoft SQL Server 2025 Standard with Windows Server 2025 Standard ROK (16 core) - Spanish	SEK6	7S1S005DWW

## Offerings soon to be removed

### SQL Server 2022 Standard Edition CTO Feature Codes

The following tables list the configure-to-order (CTO) feature codes to order SQL Server 2022.

Please, check on the Country/Geo and the language to identify the part that best suite you.

Table 11. SQL Server 2025 ROK Part Numbers

GEO	Description	FC	Lenovo Part number
<b>MICROSOFT SQL SERVER 2022 STANDARD CTO (Core Licensing)</b>			
Brazil	Microsoft SQL Server 2022 Standard 4 core - Brazilian	SA4U	For config only
China	Microsoft SQL Server 2022 Standard 4 core - ChnSimp	SA4V	For config only
AP, China	Microsoft SQL Server 2022 Standard 4 core - ChnTrad	SA4W	For config only
WW except Brazil	Microsoft SQL Server 2022 Standard 4 core - English	SA4X	For config only
NA, EMEA	Microsoft SQL Server 2022 Standard 4 core - French	SA4Y	For config only
EMEA	Microsoft SQL Server 2022 Standard 4 core - German	SA4Z	For config only
EMEA	Microsoft SQL Server 2022 Standard 4 core - Italian	SA50	For config only
AP, China	Microsoft SQL Server 2022 Standard 4 core - Japanese	SA51	For config only
AP, China	Microsoft SQL Server 2022 Standard 4 core - Korean	SA52	For config only
EMEA, NA, LA except Brazil	Microsoft SQL Server 2022 Standard 4 core - Spanish	SA53	For config only
<b>MICROSOFT SQL SERVER 2022 STANDARD CTO (Per Server Licensing)</b>			
Brazil	Microsoft SQL Server 2022 Standard - Brazilian	SA54	For config only
China	Microsoft SQL Server 2022 Standard - ChnSimp	SA55	For config only
AP, China	Microsoft SQL Server 2022 Standard - ChnTrad	SA56	For config only
WW except Brazil	Microsoft SQL Server 2022 Standard - English	SA57	For config only
EMEA, NA	Microsoft SQL Server 2022 Standard - French	SA58	For config only
EMEA	Microsoft SQL Server 2022 Standard - German	SA59	For config only
EMEA	Microsoft SQL Server 2022 Standard - Italian	SA5A	For config only
AP, China	Microsoft SQL Server 2022 Standard - Japanese	SA5B	For config only
AP, China	Microsoft SQL Server 2022 Standard - Korean	SA5C	For config only
EMEA, NA, LA except Brazil	Microsoft SQL Server 2022 Standard - Spanish	SA5D	For config only
<b>MICROSOFT SQL SERVER 2022 Downgrade</b>			
Brazil	SQL Svr Standard Edtn 2022 Downgrade Kit - Brazilian	SA5G	For config only
China	SQL Svr Standard Edtn 2022 Downgrade Kit - ChnSimp	SA5H	For config only
AP, China	SQL Svr Standard Edtn 2022 Downgrade Kit - ChnTrad	SA5J	For config only

WW except Brazil	SQL Svr Standard Edtn 2022 Downgrade Kit - English	SA5K	For config only
EMEA, NA	SQL Svr Standard Edtn 2022 Downgrade Kit - French	SA5L	For config only
EMEA	SQL Svr Standard Edtn 2022 Downgrade Kit - German	SA5M	For config only
EMEA	SQL Svr Standard Edtn 2022 Downgrade Kit - Italian	SA5N	For config only
AP, China	SQL Svr Standard Edtn 2022 Downgrade Kit - Japanese	SA5P	For config only
AP, China	SQL Svr Standard Edtn 2022 Downgrade Kit - Korean	SA5Q	For config only
EMEA, NA, LA except Brazil	SQL Svr Standard Edtn 2022 Downgrade Kit - Spanish	SA5R	For config only
Brazil	SQL Svr Standard Edtn 2022 Downgrade Kit - Brazilian (Reseller POS Only)	SA6S	7S0500ALWW
China	SQL Svr Standard Edtn 2022 Downgrade Kit - ChnSimp (Reseller POS Only)	SA6T	7S0500AMWW
AP, China	SQL Svr Standard Edtn 2022 Downgrade Kit - ChnTrad (Reseller POS Only)	SA6U	7S0500ANWW
WW except AR, BR, CO, GR, PE, PH, TH	SQL Svr Standard Edtn 2022 Downgrade Kit - English (Reseller POS Only)	SA6V	7S0500APWW
NA, EMEA except GR	SQL Svr Standard Edtn 2022 Downgrade Kit - French (Reseller POS Only)	SA6W	7S0500AQWW
EMEA except GR	SQL Svr Standard Edtn 2022 Downgrade Kit - German (Reseller POS Only)	SA6X	7S0500ARWW
EMEA except GR	SQL Svr Standard Edtn 2022 Downgrade Kit - Italian (Reseller POS Only)	SA6Y	7S0500ASWW
AP, China	SQL Svr Standard Edtn 2022 Downgrade Kit - Japanese (Reseller POS Only)	SA6Z	7S0500ATWW
AP, China	SQL Svr Standard Edtn 2022 Downgrade Kit - Korean (Reseller POS Only)	SA70	7S0500AUWW
EMEA, NA, LA except BR, AR, CO, GR, PE	SQL Svr Standard Edtn 2022 Downgrade Kit - Spanish (Reseller POS Only)	SA71	7S0500AVWW
<b>MICROSOFT SQL 2022 CLIENT ACCESS LICENSES CTO (CALs)</b>			
WW except AR, BR, CO, GR, PE, PH, TH	Microsoft SQL Server 2022 Client Access License (1 Device)	SA7A	7S0500B4WW
Argentina	Microsoft SQL Server 2022 Client Access License (1 Device) (AR only)	SA7B	7S0500B5WW
Brazil	Microsoft SQL Server 2022 Client Access License (1 Device) (BR only)	SA7C	7S0500B6WW
Colombia	Microsoft SQL Server 2022 Client Access License (1 Device) (CO only)	SA7D	7S0500B7WW
Greece	Microsoft SQL Server 2022 Client Access License (1 Device) (GR only)	SA7E	7S0500B8WW
Peru	Microsoft SQL Server 2022 Client Access License (1 Device) (PE only)	SA7F	7S0500B9WW
Philippines	Microsoft SQL Server 2022 Client Access License (1 Device) (PH only)	SA7G	7S0500BAWW
Thailand	Microsoft SQL Server 2022 Client Access License (1 Device) (TH only)	SA7H	7S0500BBWW

WW except AR,BR,CO,GR,PE,PH,TH	Microsoft SQL Server 2022 Client Access License (1 User)	SA7J	7S0500BCWW
Argentina	Microsoft SQL Server 2022 Client Access License (1 User) (AR only)	SA7K	7S0500BDWW
Brazil	Microsoft SQL Server 2022 Client Access License (1 User) (BR only)	SA7L	7S0500BEWW
Colombia	Microsoft SQL Server 2022 Client Access License (1 User) (CO only)	SA7M	7S0500BFWW
Greece	Microsoft SQL Server 2022 Client Access License (1 User) (GR only)	SA7N	7S0500BGWW
Peru	Microsoft SQL Server 2022 Client Access License (1 User) (PE only)	SA7P	7S0500BHWW
Philippines	Microsoft SQL Server 2022 Client Access License (1 User) (PH only)	SA7Q	7S0500BJWW
Thailand	Microsoft SQL Server 2022 Client Access License (1 User) (TH only)	SA7R	7S0500BKWW
WW except AR,BR,CO,GR,PE,PH,TH	Microsoft SQL Server 2022 Client Access License (5 Device)	SA7S	7S0500BLWW
Argentina	Microsoft SQL Server 2022 Client Access License (5 Device) (AR only)	SA7T	7S0500BMWW
Brazil	Microsoft SQL Server 2022 Client Access License (5 Device) (BR only)	SA7U	7S0500BNWW
Colombia	Microsoft SQL Server 2022 Client Access License (5 Device) (CO only)	SA7V	7S0500BPWW
Greece	Microsoft SQL Server 2022 Client Access License (5 Device) (GR only)	SA7W	7S0500BQWW
Peru	Microsoft SQL Server 2022 Client Access License (5 Device) (PE only)	SA7X	7S0500BRWW
Philippines	Microsoft SQL Server 2022 Client Access License (5 Device) (PH only)	SA7Y	7S0500BSWW
Thailand	Microsoft SQL Server 2022 Client Access License (5 Device) (TH only)	SA7Z	7S0500BTWW
WW except AR,BR,CO,GR,PE,PH,TH	Microsoft SQL Server 2022 Client Access License (5 User)	SA80	7S0500BUWW
Argentina	Microsoft SQL Server 2022 Client Access License (5 User) (AR only)	SA81	7S0500BVWW
Brazil	Microsoft SQL Server 2022 Client Access License (5 User) (BR only)	SA82	7S0500BWWW
Colombia	Microsoft SQL Server 2022 Client Access License (5 User) (CO only)	SA83	7S0500BXWW
Greece	Microsoft SQL Server 2022 Client Access License (5 User) (GR only)	SA84	7S0500BYWW
Peru	Microsoft SQL Server 2022 Client Access License (5 User) (PE only)	SA85	7S0500BZWW
Philippines	Microsoft SQL Server 2022 Client Access License (5 User) (PH only)	SA86	7S0500C0WW
Thailand	Microsoft SQL Server 2022 Client Access License (5 User) (TH only)	SA87	7S0500C1WW
<b>ADDITIONAL LICENSE CTO</b>			
WW except Brazil	Microsoft SQL Server 2022 Standard Additional Server License	SA5E	For config only

WW except Brazil	Microsoft SQL Server 2022 Standard 2 Core Additional License	SA5F	For config only
WW except AR,BR,CO,GR,PE,PH,TH	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only)	SA72	7S0500AWWW
Argentina	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only) (AR only)	SA73	7S0500AXWW
Brazil	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only) (BR only)	SA74	7S0500AYWW
Colombia	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only) (CO only)	SA75	7S0500AZWW
Greece	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only) (GR only)	SA76	7S0500B0WW
Peru	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only) (PE only)	SA77	7S0500B1WW
Philippines	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only) (PH only)	SA78	7S0500B2WW
Thailand	MS SQL Svr 2022 Standard Addl Svr Lic (Reseller POS Only) (TH only)	SA79	7S0500B3WW

SQL Server Standard Edition 2022 Downgrade Kit includes installation material for SQL 2019 as well as SQL 2017.

### SQL Server 2022 Standard Edition ROK Part Numbers

The following tables list the Reseller Option Kit (ROK) part numbers to order SQL Server 2022.

Table 12. SQL Server 2022 ROK Part Numbers

GEO	Description	FC	Lenovo Part number
<b>SQL Server 2022 Standard ROK Part Numbers</b>			
Brazil	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Brazilian (License only)	SDBK	7S1S001NWW
Brazil	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Brazilian (tangible)	SDBL	7S1S001PWW
China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - ChnSimp	SDBM	7S1S001QWW
AP, China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - ChnTrad	SDBN	7S1S001RWW
WW Except Brazil, AR,CO,PE	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - English	SDBP	7S1S001SWW
NA, EMEA	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - French	SDBQ	7S1S001TWW
EMEA	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - German	SDBR	7S1S001UWW
EMEA	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Italian	SDBS	7S1S001VWW
AP, China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Japanese	SDBT	7S1S001WWW
AP, China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Korean	SDBU	7S1S001XWW
EMEA, NA, LA except BR,AR,CO, PE	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Spanish	SDBV	7S1S001YWW

WW Except Brazil, AR,CO,PE	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang	SDBW	7S1S001ZWW
Argentina	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang (AR only)	SDBX	7S1S0020WW
Colombia	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang (CO only)	SDBY	7S1S0021WW
Peru	Microsoft SQL Server 2022 Standard with Windows Server 2025 Standard ROK (16 core) - Multilang (PE only)	SDBZ	7S1S0022WW
<b>SQL Server 2022 Datacenter ROK Part Numbers</b>			
Brazil	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Brazilian (License only)	SDC0	7S1S0023WW
Brazil	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Brazilian (tangible)	SDC1	7S1S0024WW
China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - ChnSimp	SDC2	7S1S0025WW
AP, China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - ChnTrad	SDC3	7S1S0026WW
WW Except Brazil, AR,CO,PE	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - English	SDC4	7S1S0027WW
NA, EMEA	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - French	SDC5	7S1S0028WW
EMEA	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - German	SDC6	7S1S0029WW
EMEA	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Italian	SDC7	7S1S002AWW
AP, China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Japanese	SDC8	7S1S002BWW
AP, China	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Korean	SDC9	7S1S002CWW
EMEA, NA, LA except BR,AR,CO, PE	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Spanish	SDCA	7S1S002DWW
WW Except Brazil, AR,CO,PE	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang	SDCB	7S1S002EWW
Argentina	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang (AR only)	SDCC	7S1S002FWW
Colombia	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang (CO only)	SDCD	7S1S002GWW
Peru	Microsoft SQL Server 2022 Standard with Windows Server 2025 Datacenter ROK (16 core) - Multilang (PE only)	SDCE	7S1S002HWW

## Lenovo Compatibility

The Lenovo Server Operating System Interoperability Guide (OSIG) is a comprehensive source of information about operating system compatibility with Lenovo servers. It includes servers in the ThinkSystem, ThinkAgile, System x, ThinkServer, NeXtScale, Flex System and BladeCenter product families and covers servers that are currently supported by Lenovo under warranty.

For more information, please visit the OSIG page: <http://lenovopress.com/osig>. **Use the dropdown menus to filter and finetune your search.** In each of the search results, the support statement column contains clickable links that open a popup window with details about the support.

For Lenovo option compatibility, the [Lenovo ServerProven program](#) validates selected products for compatibility with all Lenovo ThinkSystem servers. Through the ServerProven Program, Lenovo works with industry leaders to test their equipment with Lenovo products.

## **XClarity Integrator**

Lenovo XClarity Integrator enables XClarity Administrator to integrate into your existing IT applications, providing the functionality you need to manage Lenovo infrastructure right in the console of the software tools that you already use. XClarity Administrator is a centralized resource management solution that reduces complexity, speeds response, and enhances the availability of Lenovo ThinkSystem infrastructure and ThinkAgile solutions.

For more information on XClarity Administrator, visit:

<https://lenovopress.com/tips1200-lenovo-xclarity-administrator>

## **XClarity Integrator for Microsoft System Center**

Lenovo XClarity Integrator for Microsoft System Center expands Microsoft System Center server management capabilities by integrating Lenovo hardware management functionality, providing affordable, basic management of physical and virtual environments to reduce the time and effort required for routine system administration.

Lenovo XClarity Integrator integrates with the following Microsoft System Center tools:

- Microsoft System Center Configuration Manager
- Microsoft System Center Operations Manager
- Microsoft System Center Virtual Machine Manager
- Microsoft Admin Center

Download XClarity Integrator for Microsoft System Center from:

<https://support.lenovo.com/us/en/solutions/Invo-manage>

## **XClarity Integrator for Windows Admin Center**

Lenovo XClarity Integrator for Windows Admin allows you to manage your Lenovo infrastructure from the console of Windows Admin Center. Windows Admin Center is a locally deployed, browser-based app for managing servers, clusters, hyper-converged infrastructure, and Windows 10 PCs.

The Windows Admin Center is a free download separate from Windows Server 2022, available from Microsoft:

<https://docs.microsoft.com/en-us/windows-server/manage/windows-admin-center/understand/windows-admin-center>

Download XClarity Integrator for Windows Admin Center from:

<https://support.lenovo.com/us/en/solutions/HT507549>

## **XClarity Integrator for Microsoft Azure Analytics**

Lenovo XClarity Integrator for Microsoft Azure Log Analytics lets you analyze events from Lenovo XClarity Administrator and the devices that it manages. These insights can help systems administrators find potential problems in their environment.

Download XClarity Integrator for Microsoft Azure Analytics from:

<https://support.lenovo.com/us/en/solutions/ht506712>

## **Support from Lenovo**

Lenovo's Enterprise Server Software Support (ESS) service provides comprehensive, single-source support for a wide range of server operating systems and Microsoft server applications. Lenovo provides 24x7x365 service for critical problems, and support during business hours for noncritical problems.

For more information, see the following web page:

<https://support.lenovo.com/us/en/solutions/ht504357>

## Microsoft Solutions from Lenovo

Lenovo offers a broad range of Microsoft based solutions in varying levels of integration to meet different customer requirements and business needs. Solutions range from the turnkey factory-integrated, pre-configured ready-to-go Lenovo ThinkAgile SX series of appliances to build-your-own Engineered Solutions based on Lenovo's proven reference architecture and everything in between.

### ThinkAgile MX Certified Nodes

Storage Spaces Direct is a feature of Windows Server 2016, 2019 and 2022 Datacenter Editions, provided at no extra cost and can be used to build a Hyper-Converged Storage solution. It also supports "Disaggregated Mode", with no available VM's, to create a Software Defined Storage environment.

Storage Spaces Direct is software defined storage, using pre-validated Lenovo server configurations with local-attached drives to create software-defined storage at a fraction of the cost of traditional SAN or NAS arrays. Its converged or hyper-converged architecture radically simplifies procurement and deployment, while features such as caching, storage tiers, and erasure coding, together with the latest hardware innovations such as RDMA networking and NVMe drives, deliver unrivaled efficiency and performance.

Storage Spaces Direct is included in 2022 Datacenter Editions.

ThinkAgile MX Certified nodes combine the Microsoft Storage Spaces Direct technology included in Windows Server 2022 Datacenter with industry leading Lenovo servers to give HCI building blocks to build your infrastructure solutions. ThinkAgile MX Certified Nodes are designed for deploying highly available, highly scalable hyper-converged infrastructure (HCI) and software-defined storage (SDS) from Microsoft on Lenovo enterprise platforms.

ThinkAgile MX Certified Nodes are built on industry-leading Lenovo ThinkSystem servers that feature enterprise-class reliability, management, and security. The ThinkAgile MX Certified Nodes offer ThinkAgile Advantage Single Point of Support for quick 24/7 problem reporting and resolution. The ThinkAgile MX Certified Nodes can be optimized for various types of workloads, including general purpose workloads for small and medium businesses, virtual desktop infrastructure (VDI), server virtualization, enterprise applications, databases, and data analytics.

#### Related links:

- [ThinkAgile MX Product page](#)
- [ThinkAgile MX3520 Appliances and MX 2U Certified Nodes \(Intel Xeon SP Gen 2\)](#)
- [ThinkAgile MX3530 and MX3531 2U Appliances and Certified Nodes \(Intel Xeon SP Gen 3\)](#)
- [ThinkAgile MX3330 and MX3331 1U Appliances and Certified Nodes \(Intel Xeon SP Gen 3\)](#)
- [ThinkAgile MX1020 appliances and MX1021 Certified Nodes for Microsoft Azure Local](#)
- [ThinkAgile MX Datasheet](#)
- [ThinkAgile MX 3D Tour](#)

### ThinkAgile SX for Microsoft Azure Stack

Lenovo ThinkAgile SX for Microsoft Azure Stack is a turnkey, rack-scale solution optimized with a resilient, high-performing, and secure software-defined infrastructure. Lenovo and Microsoft worked together to engineer the solution components—the Azure Stack software and Lenovo software-defined infrastructure—to make sure they perform seamlessly. ThinkAgile SX for Microsoft Azure Stack is a pre-integrated, engineered solution that comes direct from Lenovo—ready to go—with all features, support, and deployment services included.

With benefits like IT agility, lower TCO, and a transformative customer experience, ThinkAgile SX for Microsoft Azure Stack provides the ease and speed of a public cloud with the security and control of on-premises IT. There is no need to worry about configuring and tweaking settings for virtual or physical

infrastructure. Your IT personnel can now focus more on building proficiencies in deploying and operating cloud services—such as IaaS, PaaS, and SaaS—and less on your infrastructure.

ThinkAgile SX for Microsoft Azure Stack is the perfect platform to:

- Deliver Azure cloud services from the security of your own data center
- Enable rapid development and iteration of applications with on-premises deployment tools to help transform your organization
- Unify application development across your entire hybrid cloud environment
- Easily move applications and data across private and public clouds

**Related links:**

- [ThinkAgile SX for Microsoft Azure Stack Product Page](#)
- [Lenovo ThinkAgile SX for Microsoft Azure Stack Hub SXM4600 Product Guide](#)
- [ThinkAgile SX for Microsoft Azure Stack Datasheet](#)
- [Introducing the Microsoft Azure Stack Development Kit on Lenovo Servers](#)
- [ThinkAgile SX for Microsoft Azure Stack 3D Tour](#)

## Engineered Solutions

Lenovo Database Solutions for Microsoft SQL Server bring together the right mix of technology and software to align with a range of data warehouse and transactional database use cases. The configurations integrate a variety of Lenovo Systems and appliances, robust Lenovo Storage options and the capabilities of Microsoft SQL Server 2019 Enterprise and Standard Editions to provide the following benefits:

- Improved time to value with pretested hardware configurations
- Optimized SQL server deployment with a significant reduction in hardware testing and tuning
- Reduced total cost of ownership through better price and performance, rapid deployment, and advanced hardware
- Consolidated storage and matched IT investment-to-information-value with several high-performance storage options

Lenovo ThinkSystem based Microsoft OLAP Database Solutions:

- [Lenovo Database Performance Benchmarks](#)
- [Lenovo Database Solution for Microsoft SQL Server](#)
- [Lenovo Database Solution for Microsoft SQL Server RA](#)
- [Lenovo Database Configuration for Microsoft SQL DWFT – 65 TB HA](#)
- [Lenovo Database Configuration for Microsoft SQL DWFT – 200 TB](#)

Lenovo Database Validated Design for Microsoft SQL Server OLTP on ThinkAgile HX:

- [Workloads using Lenovo ThinkAgile HX Series](#)

## Seller training courses

The following sales training courses are offered for employees and partners (login required). Courses are listed in date order.

### 1. **A Lenovo Seller's Journey in the Cloud Space - Clarifying Your Customer's Challenge**

2026-03-17 | 35 minutes | Employees and Partners

The intention of this learning module is to provide suggestions and guidance for those first customer conversations after the opportunity has been initially identified. In this simulation, the Seller's objective is to learn about the business and qualify the business gap.

After completing this course, you will be able to:

- Validate the customer's business need and compelling reason for change
- Guide the customer conversation to qualify and confirm the business gap
- Determine next steps to progress the sale

Published: 2026-03-17

Length: 35 minutes

#### **Start the training:**

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Partner link: [Lenovo 360 Learning Center](#)

Course code: DCLDB217r3

### 2. **Microsoft Dynamics 365: Solution Areas for ISG Business Management**

2025-10-14 | 25 minutes | Employees Only

This course is a video recording of a walkthrough about the Microsoft Dynamics Solution Areas for ISG Business Management, facilitated by Martin Hiegl.

By the end of this training, you will be able to:

- Identify the customer's actual use case to ensure opportunities accurately reflect the business needs.
- Correctly select Solution and Sub-Solution Areas to assure data quality and improve downstream efficiencies.

Tags: Business solutions

Published: 2025-10-14

Length: 25 minutes

#### **Start the training:**

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Course code: DTOO102

### 3. **Azure Local 101**

2025-04-14 | 60 minutes | Employees and Partners

In this 60-minute replay, Amit Kulkarni, Lenovo WW Azure Local / ThinkAgileMX Product Manager presented the basics of Azure Local. Amit reviewed Azure Local, licensing options and ThinkAgile MX models. Aaron Rothfuss NA Microsoft Product Manager contributed with recent uses cases for Azure Local.

Tags: Microsoft, ThinkAgile

Published: 2025-04-14

Length: 60 minutes

#### **Start the training:**

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Partner link: [Lenovo 360 Learning Center](#)

Course code: 041125

### 4. **VTT: Cloud Architecture & Edge VTTs - ThinkAgile MX for Edge and Azure Services August 2024**

2024-09-04 | 60 minutes | Employees Only

Description: Join our Microsoft and Lenovo panel to learn how combining Azure, Lenovo hardware and Professional Services can optimize ThinkAgile MX for your customer's business.

Speaker Panel:

Meena Gowdar, Microsoft Senior Director of Product Management

Inbal Sagiv, Microsoft Principal Product Manager Leader

Dr. Jeff Esposito, Lenovo Enterprise Architect, SSG

Jay Bryant, Lenovo Principal Architect, ISG Software and Solutions Development

Tags: Artificial Intelligence (AI), Cloud, Technical Sales, ThinkAgile

Published: 2024-09-04

Length: 60 minutes

#### **Start the training:**

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Course code: DVCLD215

### 5. **Think AI Weekly: Lenovo AI PCs & AI Workstations**

2024-05-23 | 60 minutes | Employees Only

Join Mike Leach, Sr. Manager, Workstations Solutions and Pooja Sathe, Director Commercial AI PCs as they discuss why Lenovo AI Developer Workstations and AI PCs are the most powerful, where they fit into the device to cloud ecosystem, and this week's Microsoft announcement, Copilot+PC

Tags: Artificial Intelligence (AI), ThinkStation

Published: 2024-05-23

Length: 60 minutes

#### **Start the training:**

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Course code: DTAIW105

## 6. Azure Services

2023-11-03 | 50 minutes | Employees and Partners

This course covers Azure services in some detail. It consists of five videos with a total runtime of around 48 minutes. Azure includes three products that are associated with business continuity: Azure Backup, Azure Site Recovery, and Azure File Sync. These are each discussed in a comprehensive and instructive video. This course also includes videos that discuss Azure IaaS and VMs and explain Azure Cloud Services offerings.

By the end of this course, you should be able to:

- Review the three products that are associated with business continuity
- Azure Backup, Azure Site Recovery, and Azure File Sync
- Discuss the Azure Infrastructure as a Service (IaaS) and Virtual Machines (VMs)
- Explain the Azure Cloud Services offerings

Tags: Cloud, Infrastructure as a Service (IaaS), Server

Published: 2023-11-03

Length: 50 minutes

### Start the training:

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Partner link: [Lenovo 360 Learning Center](#)

Course code: SXTW1109

## 7. Azure Pricing Model

2023-11-03 | 10 minutes | Employees and Partners

This course consists of a single video, "Pricing Model". The course covers the currencies used for metering usage, comparisons of Azure costs to those of competitors, and different metering and payment options.

By the end of this training, you will be able to:

- Review the different Azure metering and payment options
- Compare Azure costs to those of competitors

Tags: Microsoft

Published: 2023-11-03

Length: 10 minutes

### Start the training:

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Partner link: [Lenovo 360 Learning Center](#)

Course code: SXTW1111

## 8. Lenovo and Microsoft Cloud Solution Provider Program - Overview

2022-10-27 | 30 minutes | Employees and Partners

This course aims to provide ISG and Partner Inside and Field Sellers with an understanding of the role of Lenovo as a Microsoft Cloud Service Provider (MS CSP) and Azure Services.

Completing this course will enable the sellers to:

- Describe the Microsoft Cloud Services program
- Discuss Lenovo's role in MS CSP Program
- Identify customers who would benefit by purchasing Azure Services from Lenovo
- Start the customer conversation.

Tags: Cloud, Microsoft, Sales, ThinkAgile

Published: 2022-10-27

Length: 30 minutes

### Start the training:

Employee link: [Grow@Lenovo](mailto:Grow@Lenovo)

Partner link: [Lenovo 360 Learning Center](#)

Course code: DMSO100

## Additional resources

These web pages provide additional information:

- [Microsoft OS Support Center](#)
- [Microsoft Windows Server Catalog](#)

## Related product families

Product families related to this document are the following:

- [Microsoft Alliance](#)
- [Microsoft Windows](#)

## Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service. Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

Lenovo (United States), Inc.  
8001 Development Drive  
Morrisville, NC 27560  
U.S.A.  
Attention: Lenovo Director of Licensing

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary. Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk. Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

**© Copyright Lenovo 2026. All rights reserved.**

This document, LP1079, was created or updated on January 29, 2026.

Send us your comments in one of the following ways:

- Use the online Contact us review form found at:  
<https://lenovopress.lenovo.com/LP1079>
- Send your comments in an e-mail to:  
[comments@lenovopress.com](mailto:comments@lenovopress.com)

This document is available online at <https://lenovopress.lenovo.com/LP1079>.

## Trademarks

Lenovo and the Lenovo logo are trademarks or registered trademarks of Lenovo in the United States, other countries, or both. A current list of Lenovo trademarks is available on the Web at <https://www.lenovo.com/us/en/legal/copytrade/>.

The following terms are trademarks of Lenovo in the United States, other countries, or both:

Lenovo®  
BladeCenter®  
ServerProven®  
System x®  
ThinkAgile®  
ThinkServer®  
ThinkSystem®  
XClarity®

The following terms are trademarks of other companies:

AMD is a trademark of Advanced Micro Devices, Inc.

Intel®, the Intel logo and Xeon® are trademarks of Intel Corporation or its subsidiaries.

Microsoft®, Active Directory®, Arc®, Azure®, Hyper-V®, SQL Server®, Windows Server®, and Windows® are trademarks of Microsoft Corporation in the United States, other countries, or both.

TPC® is a trademark of Transaction Processing Performance Council.

Other company, product, or service names may be trademarks or service marks of others.