## Comparison of locks and limits in Windows Server

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Use this article to compare the operating system locks and limits across the different editions of Windows Server.

## Locks and limits

## (i) Important

Windows Server 2025 is in PREVIEW. This information relates to a prerelease product that may be substantially modified before it's released. Microsoft makes no warranties, expressed or implied, with respect to the information provided here.

**Full Comparison** 

**Expand table** 

Locks and limits	Windows Server 2025 Standard	Windows Server 2025 Datacenter	Windows Server 2025 Datacenter: Azure Edition
Maximum number of users	Based on CALs	Based on CALs	Based on CALs
Maximum SMB connections	16,777,216	16,777,216	16,777,216
Maximum RRAS connections	Unlimited	Unlimited	Unlimited
Maximum IAS connections	2,147,483,647	2,147,483,647	2,147,483,647
Maximum RDS connections	65,535	65,535	65,535
Maximum number of 64- bit sockets	64	64	64

Locks and limits	Windows Server 2025 Standard	Windows Server 2025 Datacenter	Windows Server 2025 Datacenter: Azure Edition
Maximum number of cores	Unlimited	Unlimited	2,048 logical processors
Maximum RAM	<ul> <li>4 PB for hosts that support 5- level paging</li> <li>256 TB for hosts that support 4-level paging</li> </ul>	<ul> <li>4 PB for hosts that support 5- level paging</li> <li>256 TB for hosts that support 4-level paging</li> </ul>	<ul> <li>240 TB for a generation 2 virtual machine</li> <li>1 TB for a generation 1 virtual machine</li> </ul>
Can be used as virtualization guest	Yes; 2 virtual machines, plus one Hyper-V host per license	Yes; unlimited virtual machines, plus one Hyper-V host per license	Yes; unlimited virtual machines, plus one Hyper-V host per license
Windows Server Containers	Unlimited	Unlimited	Unlimited
Virtual OSE/Hyper-V isolated Containers	2	Unlimited	Unlimited
Windows Server Containers	Unlimited Windows containers and up to two Hyper-V containers	Unlimited Windows containers and Hyper-V containers	Unlimited Windows containers and Hyper-V containers
Storage Replica	1 partnership and 1 resource group with a single 2TB volume	Unlimited	Unlimited

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