

Introduction

Looking to license Microsoft Windows Server 2019? We can guide you through the process! This guide will help walk you through an easy 5 step procedure; a start to finish on licensing a Windows Server environment.



Client Access Licenses (CALs) are required for unique connections to the server, based on how those connections are used. Microsoft provides two licensing options—User and Device. You can choose to license whichever is least expensive for your scenario.

- User CALs Allows each user access to data on the server *from any device*.
- Device CALs Allows *any number of users* to access data on the server from 1 device.

Step 1 – Determine the Edition

Microsoft Windows Server 2019 comes in the following editions:

- Essentials Best fit for small businesses that want a single server for base functionality.
- Standard The most common choice for businesses that are looking for light virtualization, or need to configure settings based on specific needs.
- Datacenter For Enterprise level clients who need heavy virtualization/segmentation.

Review Features

Step 4 – Determine Need for RDS CALs

Remote Desktop Services CALs (RDS) allows persons to access a server and utilize it as if they were physically present at the machine. In other words, they are given mouse and keyboard control.

These CALs are evaluated in the same way as the Server CALs (per User/Device).

Step 2 – License the Cores

Microsoft Windows Server 2016 was the first to introduce the Core Licensing Model. You will need to meet both of the following requirements:

- 16 Core Minimum (per physical server)
- 8 Core Minimum (per physical processor)

Review Core Licensing Examples

Step 5 – CELEBRATE!

You now have everything you need to license (most) Microsoft Windows Server 2019 scenarios. If you have a niche case, or are still unsure, give us a call or schedule a free licensing consultation with one of our agents.

Schedule a Call

6am - 4pm PT 855.202.8140



Your server has	each CPU has	for a total of	therefore you need	Features	Essentials	Standard	Datacenter
1 CPU	4 Cores	4 Cores	16 Cores Licensed				
1 CPU	8 Cores	8 Cores	16 Cores Licensed	Fully Preconfigured Upon Installation			
2 CPUs	4 Cores	8 Cores	16 Cores Licensed	Server Core Install Option			
2 CPUs	8 Cores	16 Cores	16 Cores Licensed				
2 CPUs	10 Cores	20 Cores	20 Cores Licensed	Hyper-V Containers			
2 CPUs	12 Cores	24 Cores	24 Cores Licensed				
4 CPUs	4 Cores	16 Cores	32 Cores Licensed	Windows Server Containers			
4 CPUs	8 Cores	32 Cores	32 Cores Licensed				
				Host Guardian Service			
Capacity/Options	Essentials	Standard	Datacenter				
Processing Power Limit	2 CPU	64 CPU	64 CPU	Nano Server			
CALs Required?	No	Yes	Yes	Storage Features Including Store Spaces Direct			
CAL Purchase Option	n/a	User/Device	User/Device				
Client Access License	Lesser of 25 Users/50 Devices	# of CALs Licensed	# of CALs Licensed	Shielded Virtual Machines			
Remote CALs Required?	No	Yes	Yes	Networking Stack			
Remote Client Access Limit	2 Concurrent	# of Remote CALs Licensed	# of Remote CALs Licensed				
Virtualization Support	No	Yes	Yes				