Lenovo Server Chooser

A quick reference guide for choosing Lenovo servers with Windows Server 2019

Why Windows Server 2019?

It makes sense.

Windows Server 2019 is the operating system that bridges on-premises environments with Azure, adding additional layers of security while helping you modernize your applications and infrastructure.

Microsoft

Why Lenovo with Windows Server 2019?

Lenovo has the track record.

We're rated number one in server customer satisfaction[1], number one in server reliability[2], and hold 129 world record performance benchmarks[3].

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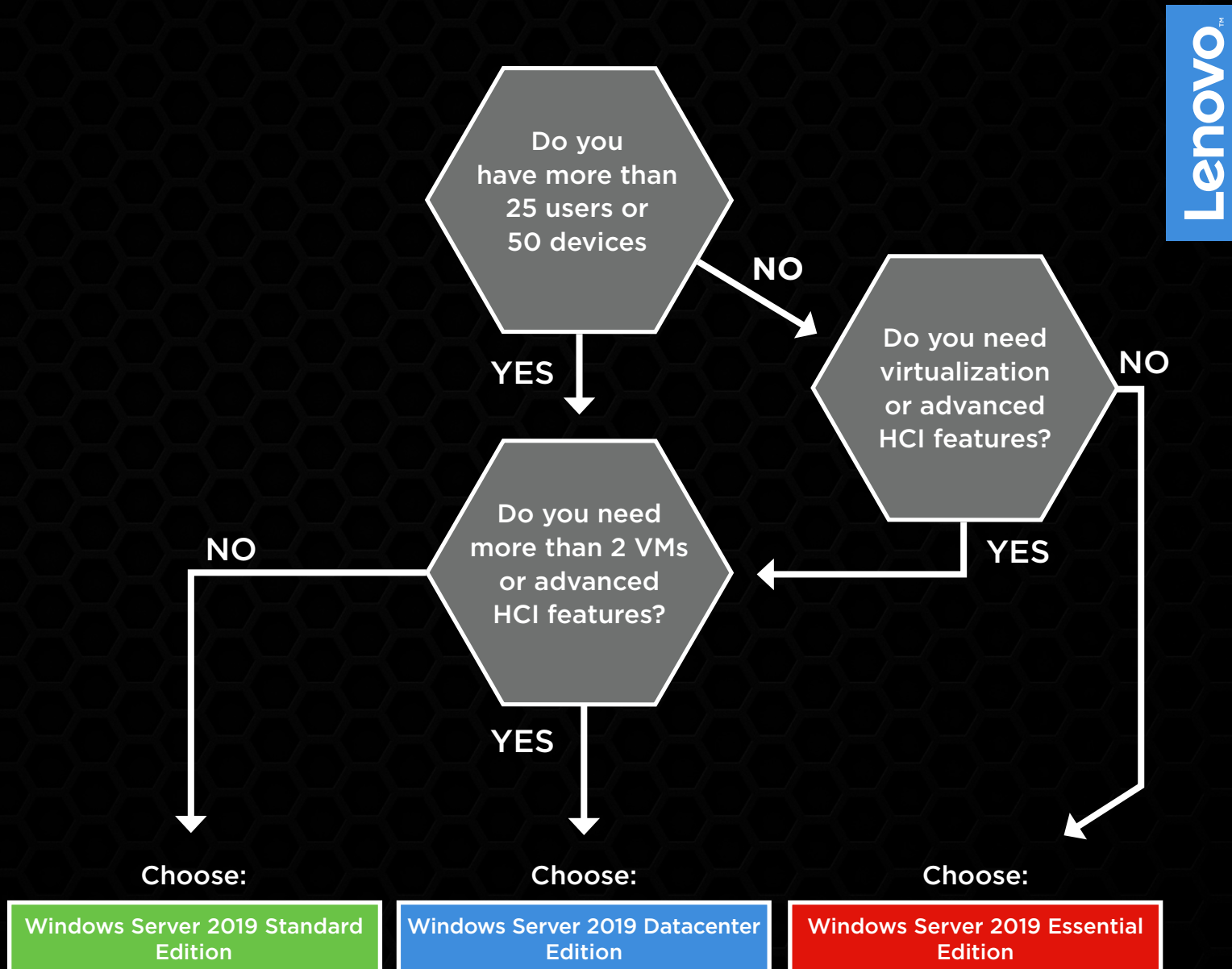
(1) #1 x86 server customer satisfaction. Source TBR 2H2016 – 2H16 Corporate IT Buying Behavior and Customer Satisfaction Study, December 2016. Lenovo was #1 for the 6th consecutive study going back to January 2015, and in 22 of 28 studies since 2H 2009. Also, lead in 21 of 22 satisfaction attributes in latest survey. https://en.resources.lenovo.com/analyst-reports/itic-2018-global-reliability-survey-mid-year-update
(2) #1 x86 server reliability. ITIC 2016-2017 Global Hardware, Server OS Reliability Report: https://en.resources.lenovo.com/
(3) Benchmarks Summary – https://lenovopub.jiveon.com/docs/DOC-10090 as of November 20, 2018

Which Windows Server 2019 edition do I need?

There are 3 editions of Windows Server 2019 which cover every use case. If you are wondering which edition is right for you, use the chart below to help find out.

Do you have more than 25 users or 50 devices

NO

Do you need virtualization or advanced HCI features?

NO

YES

Do you need more than 2 VMs or advanced HCI features?

YES

NO

YES

Choose:

Windows Server 2019 Standard Edition

Choose:

Windows Server 2019 Datacenter Edition

Choose:

Windows Server 2019 Essential Edition

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Windows Server 2019 Edition comparison

	Entry Level or First Server Environment	SMBs That Need Some Virtualization	Unlimited Virtualization & Advanced Features
Base this on your customer workloads	**Windows Server 2019 Essential** SMB, Cloud-Enabled	**Windows Server 2019 Standard** 2 Virtual Machines	**Windows Server 2019 Datacenter** Unlimited Virtual Machines
USER / DEVICE LIMIT	25 User / 50 Devices	Unlimited with CAL Purchase	Unlimited with CAL Purchase
OSEs / HYPER-V CONTAINERS	1[1]	2 OSEs / Hyper-V Containers[2]	Unlimited
WINDOWS SERVER CONTAINERS	No	Unlimited	Unlimited
STORAGE REPLICA	No	Yes[3]	Yes
HOST GUARDIAN SERVICE	No	Yes	Yes
SOFTWARE-DEFINED NETWORKING	No	No	Yes
SHIELDED VIRTUAL MACHINES	No	No	Yes
STORAGE SPACES DIRECT	No	No	Yes

1 One physical or one virtual machine + Hyper-V.
2 Windows Server 2019 Standard Edition entities up to 2 OSEs or 2 Hyper-V containers.
3 Limited to single volume up to 2TB

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Use the chart below to help identify the best Lenovo server for your workload.

		LENOVO SERVER	FORM FACTOR	CPU (MAX)	RAM (MAX)	RECOMMENDED APPLICATIONS
WINDOWS SEER 2019 ESSENTAL EDITION	1 CPU Entry	ThinkServer RS160	1U Rack	1x Xeon E3-1200 v6 4-Core	64GB	File/Print, Retail, Web, Email
		ThinkServer RS260	1U Rack	1x Xeon E3-1230 v5	64GB	File/Print, Retail, Web, Email
		ThinkServer ST50	4U Tower	1x Xeon E-2100 6-Core	64GB	File/Print, Retail, Web, Email
		ThinkServer ST250	4U Tower	1x Xeon E-2100 6-Core	64GB	File/Print, Retail, Web, Email
WINDOWS SERVER 2019 STANDARD EDITION	2 CPU Entry	ThinkSystem SE350	1U, Half-width	1x Xeon-D, 16-Core	256GB	Intelligent Edge Solutions
		ThinkSystem SR530	1U Rack	2x Xeon Platinum 125W	768GB	Email, Web Hosting, DB
		ThinkSystem SR550	2U Rack	2x Xeon Platinum 125W	768GB	Email, Web Hosting, DB
	2 CPU Mainstream	ThinkSystem SR570	1U Rack	2x Xeon Platinum 150W, 26-Core	1TB	Email, Web Hosting, DB
		ThinkSystem SR590	2U Rack	2x Platinum 150W, 26-Core	1TB	Email, Web Hosting, DB
WINDOWS SERVER 2019 DATA CENTER EDITION		ThinkSystem ST550	4U Tower	2x Xeon Platinum, 125W	1.5TB	LOB, Scale-out
	2 CPU Performace	ThinkSystem SR630	1U Rack	2x Xeon Platinum, 205W	3TB	LOB, Scale-out
		ThinkSystem SR650	2U Rack	2x Xeon Platinum, 205W	3TB	HPC, Dense Virtual
		MX/HX/VX Series	2U Rack	2x Intel Xeon Scalable, 28-Core	1.5TB	HCI Solutions, Datacenter

3 Reasons to purchase Lenovo Branded Windows Server 2019

COST EFFECTIVE.
This is the simplest, most cost-effective license for small businesses.

SUPPORT.
Fast and easy deployment with Lenovo support.

EASY PURCHASE.
One-stop shopping to purchase software and hardware.

Need help with core licensing or getting part numbers?

Use our online Calculator at

https://www.lenovosalesportal.com/windows-server-2019-core-licensing-calculator.aspx

72% of organizations use Windows Server **worldwide**[1] This means most server buyers will adopt Windows Server 2019 in the near future.

Why not buy now?

Save time and money by purchasing Lenovo Branded Windows Server 2019 with your Lenovo hardware.

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Still need more?
We have you covered.

Visit www.lenovosalesportal.com.

1. IDC, Worldwide Operating Systems and Subsystems Market Shares, 2017: A Market Rebounds and Is Poised for Strong Gains, Doc #US43753318, May 2018