



Inleiding Server 2022



Windows Server



Inleiding tot Server 2022



Veranderingen in Server 2022



Systeemvereisten



Full vs Server Core



Licenties

Inleiding tot Server 2022

- ➔ Server van Microsoft NT10-familie
- ➔ Zelfde kernel als Windows 10 21H2 (=ideale client)
- ➔ Verschillende edities:



Standard Edition

- Voor kleine en middelgrote netwerken
- Beperking tot 24TB RAM



Datacenter Edition

- Ontworpen voor datacentra
- Beperking tot 24TB RAM

Inleiding tot Server 2022

➔ Andere edities

- ✓ Datacenter Azure Edition
- ✓ Windows Essentials 2022
 - = Standard Edition met alternatieve licentie
 - Verkrijgbaar bij OEM Server Hardware partners
 - Max 1 CPU met 10 cores

- Enkel bedoeld om te draaien in de Microsoft cloud
- Hotpatching (geen reboot nodig na installatie van updates)
- SMB over QUIC (alternatief voor VPN)

Veranderingen in Server 2022

FUTURE-PROOF

PEOPLE-CENTRIC

➔ Verbeteringen Hybrid cloud

- ✓ Azure Arc
- ✓ SMB over QUIC
- ✓ Nieuw Admin Center

➔ Verbeteringen Storage

- ✓ Storage Migration Service
- ✓ ReFS snapshots
- ✓ SMB compression

➔ Verbeteringen Networking

- ✓ Beter prestaties TCP en UDP
- ✓ Snellere werkende virtuele switches

➔ Verbeteringen Security

- ✓ VBS (= Virtualization-based Security)
- ✓ DoH (= DNS over HTTPS)
- ✓ TLS1.3

Systemvereisten



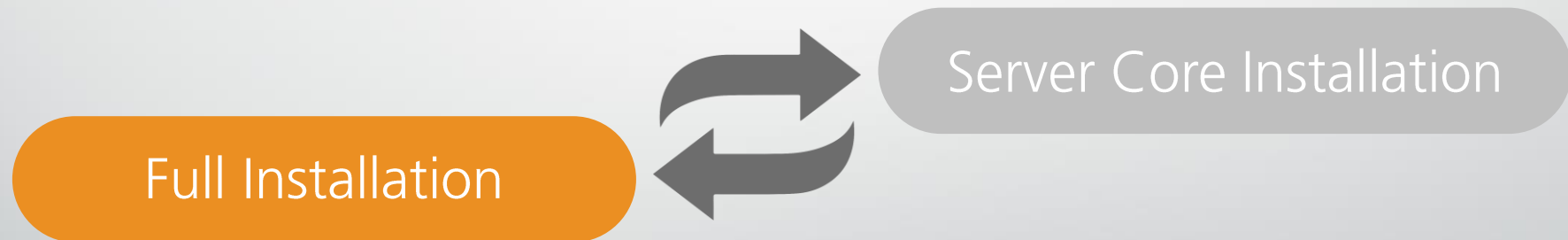
- Minimum snelheid van 1,4 GHz CPU
- 64-bit
- 512Mb (aangeraden 2 GB) tot maximum 4TB RAM
- 32Gb disk space



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- 64-bit
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Full vs Server Core

In Windows Server 2022 zijn er 2 soorten installaties:

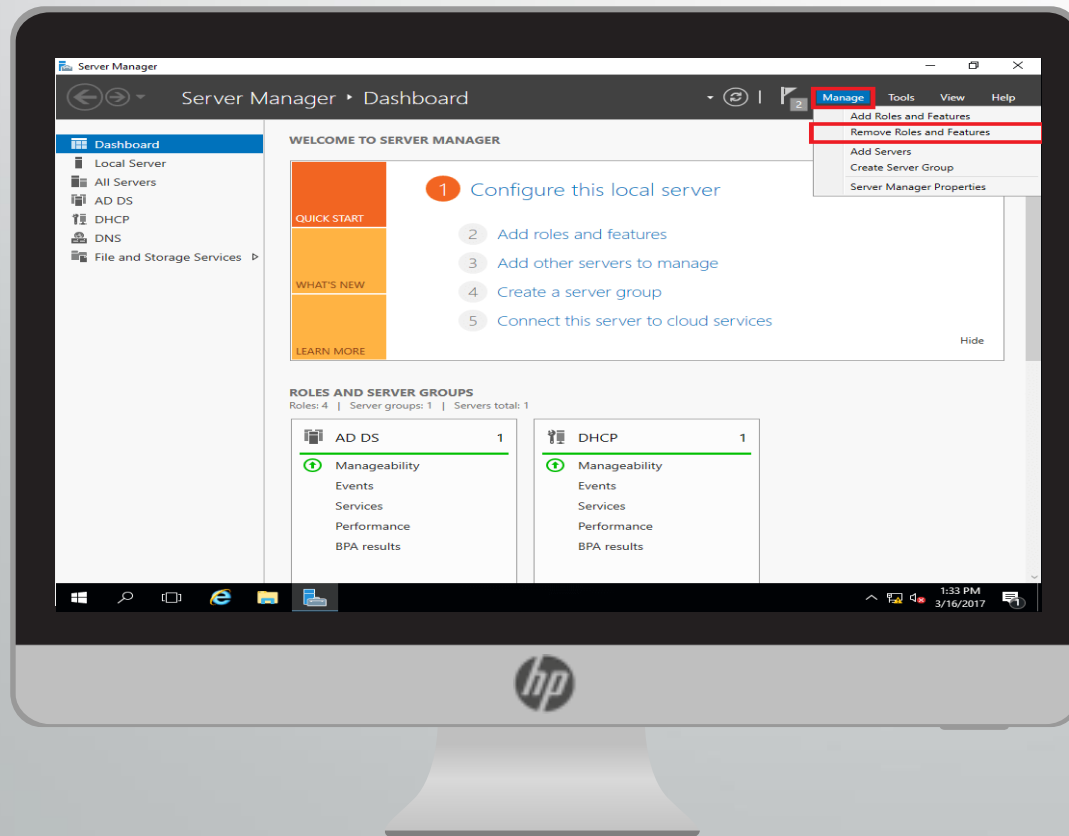


Men kan switchen
tussen de 2 versies

Full vs Server Core

FUTURE-PROOF

PEOPLE-CENTRIC

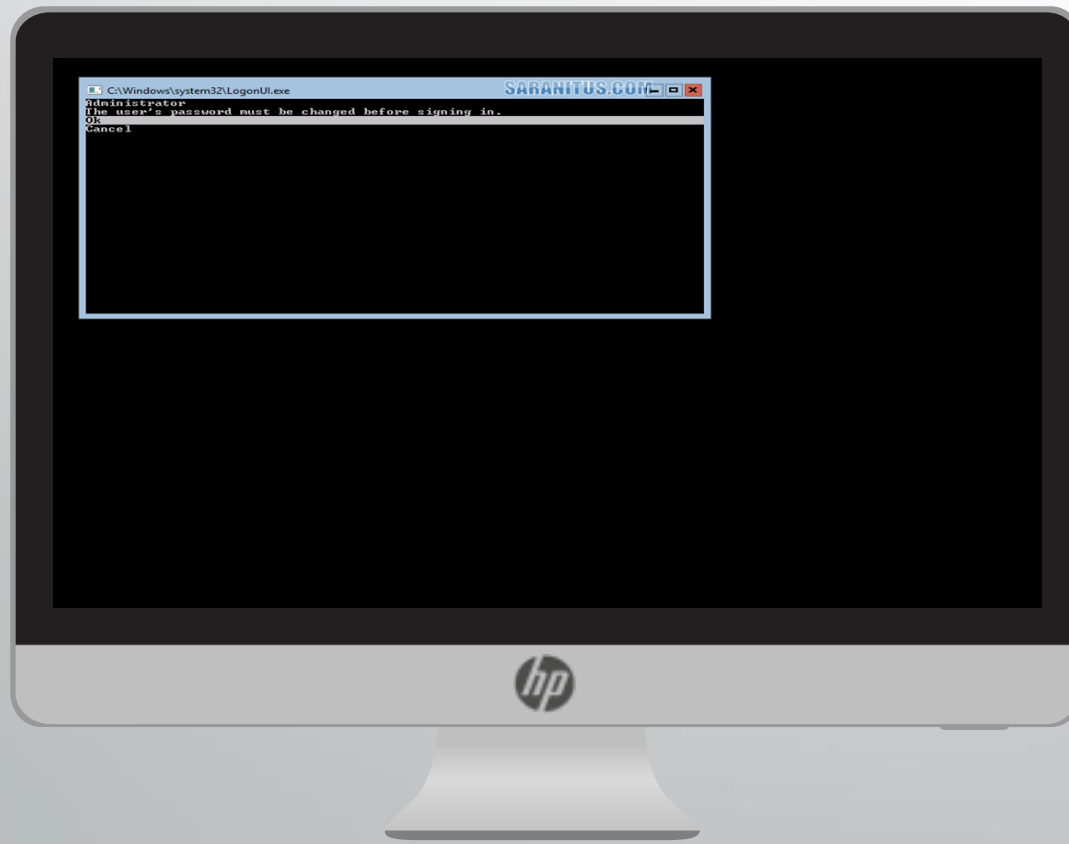


- ➔ Grafische interface
- ➔ Bevat alle role services en features

Full vs Server Core

FUTURE-PROOF

PEOPLE-CENTRIC

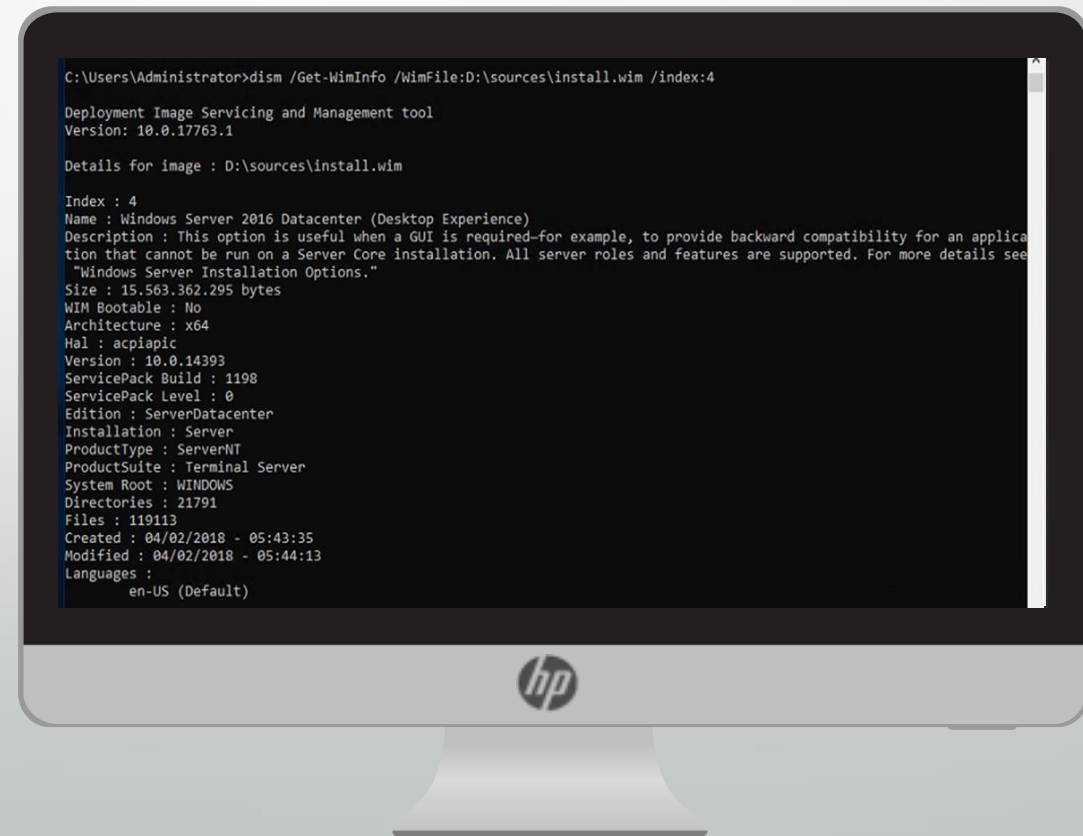


- Geen grafische interface
⇒ alleen CMD-venster (Powershell)
- Enkele onderdelen wel nog grafisch (registry, bepaalde control panel applets, ...)
- Niet mogelijk om alle features en role services te installeren

Full vs Server Core

Index

- ➔ Getal van 1 tot 4
- ➔ Staat voor installatie image
 - 1 = *Standard Server Core*
 - 2 = *Standard GUI*
 - 3 = *Datacenter Server Core*
 - 4 = *Datacenter GUI*



Licenties

LICENSING

Welke licentie ?

Hangt volledig af van
licentiemodel en
editie

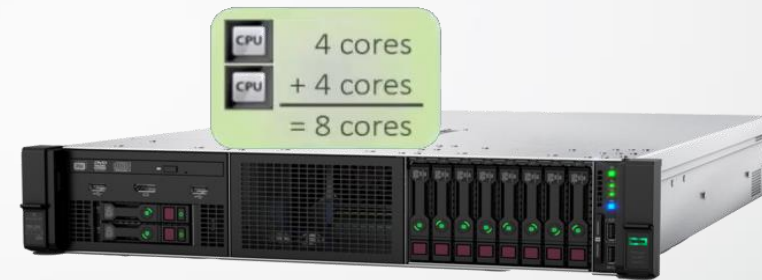


1 POSE + 2 VOSE

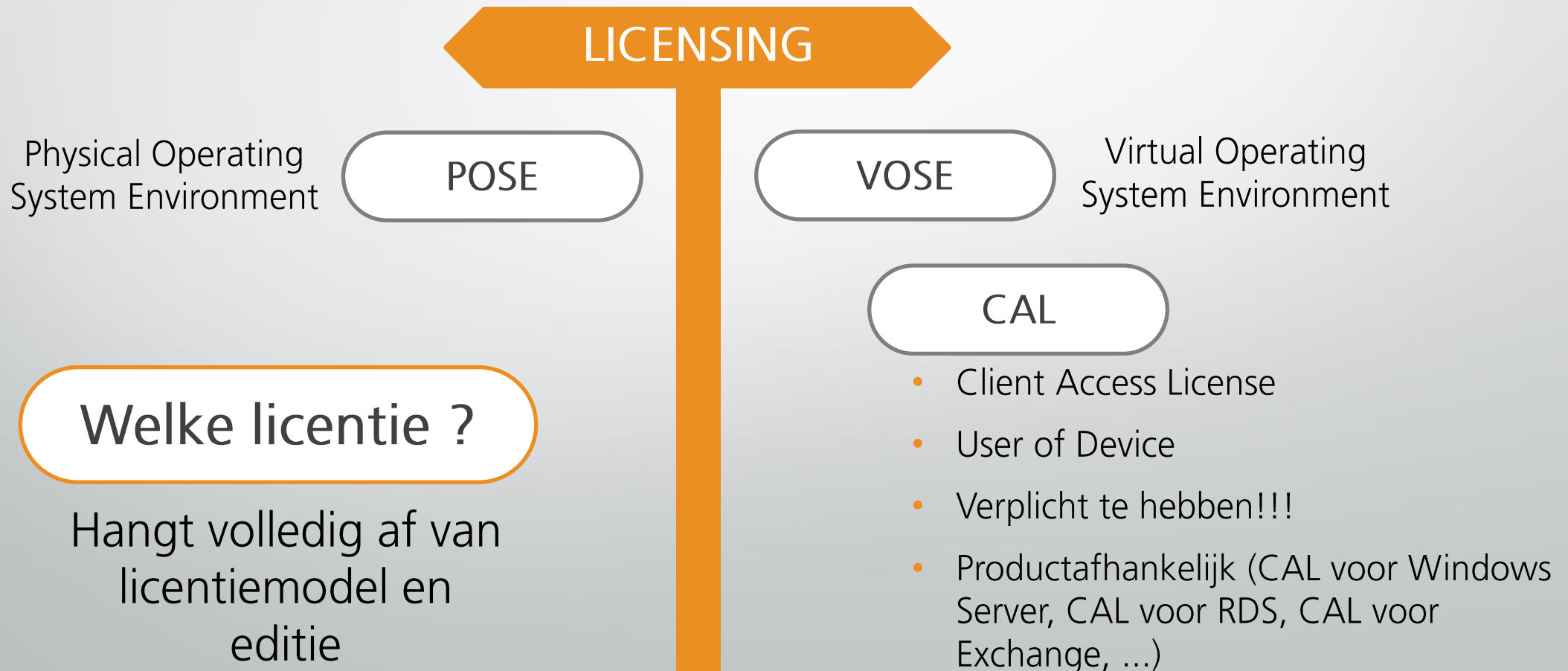
1 POSE + ongelimiteerd VOSE

- Minimum aantal licenties:
 - ➔ 8 cores per fysieke CPU
 - ➔ 16 cores per server
- Verkocht per Packs van 2 cores (optioneel gebundeld in pack van 16)

Licenties

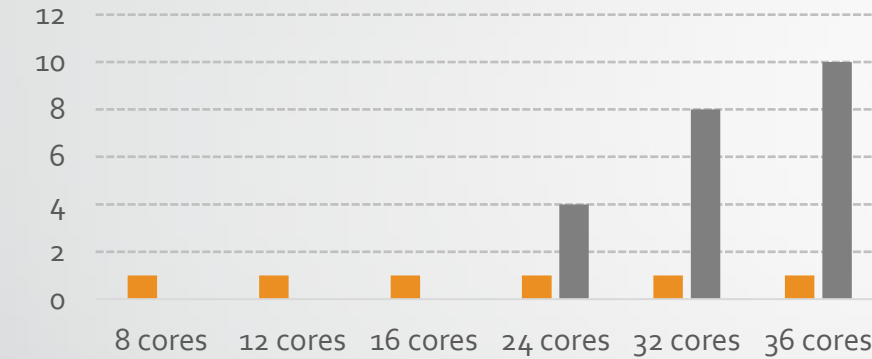


Licenties

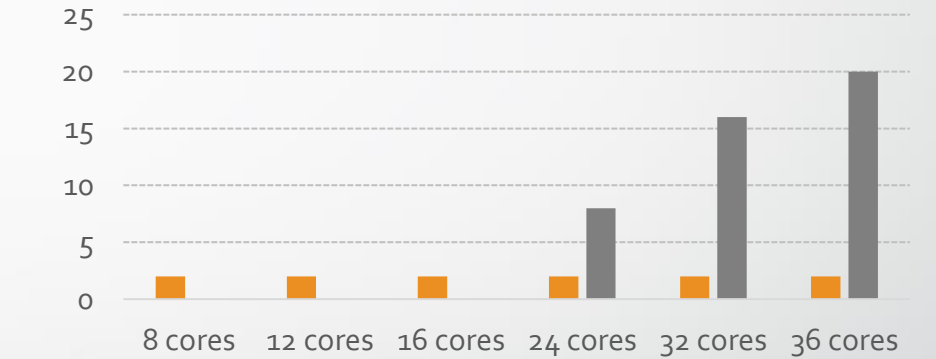


Licenties

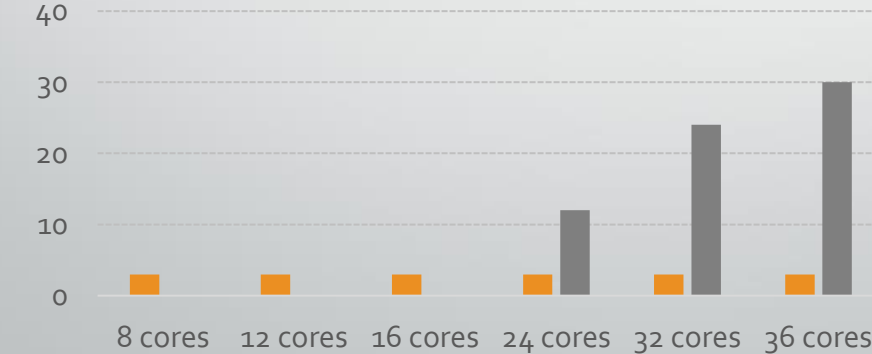
2 VOSE



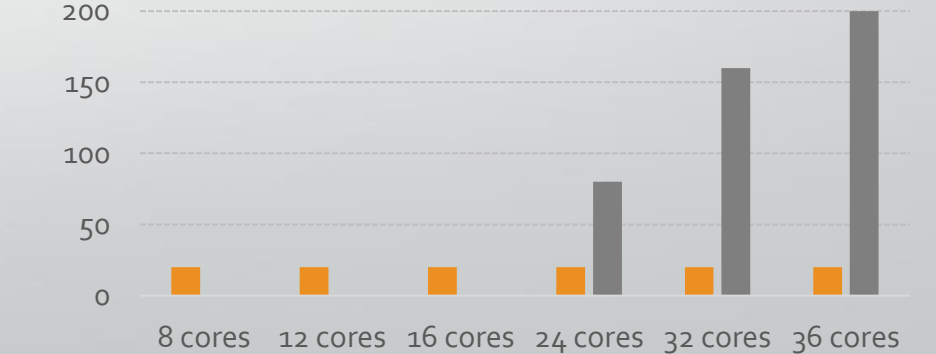
4 VOSE



6 VOSE

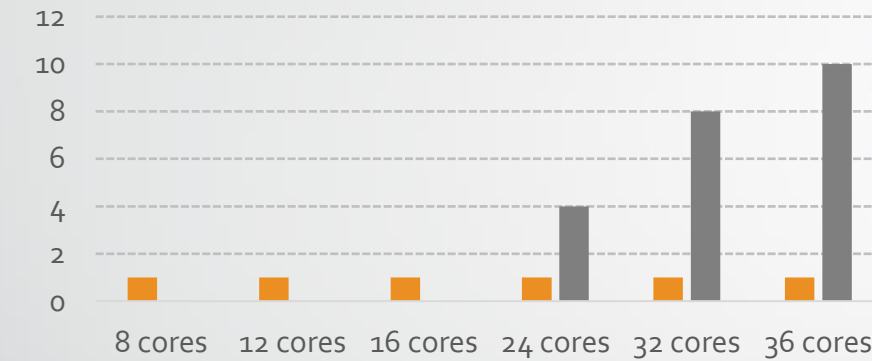


40 VOSE

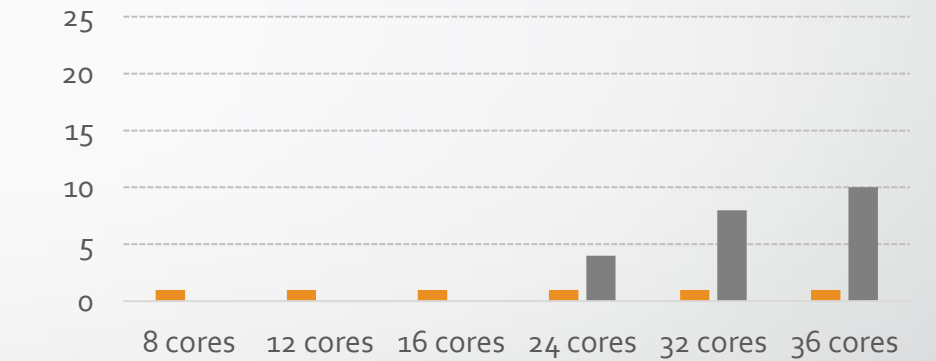


Licenties

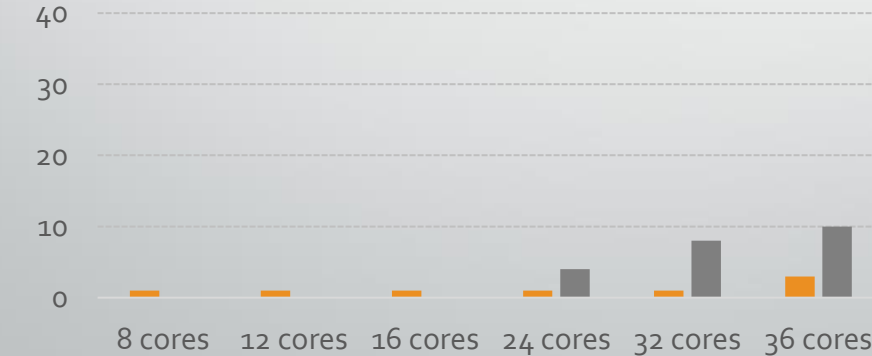
2 VOSE



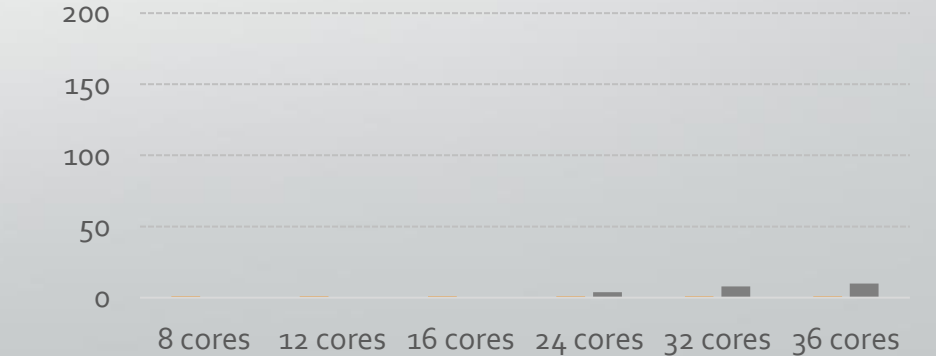
4 VOSE



6 VOSE



40 VOSE



● Licenties

● Packs

Licenties



[Windows 2022 Licensing Overview](#)



[Windows 2022 Licensing Calculator](#)

Licenties

Windows Server 2022 Edition	Ideal for	Licensing model	CAL requirements ^[1]	Suggested Retail Price (MSRP) ^[4]
Datacenter ^[2]	Highly virtualized datacenters and cloud environments	Core-based	Windows Server CAL	\$6,155
Standard ^[2]	Physical or minimally virtualized environments	Core-based	Windows Server CAL	\$1069
Essentials	Small businesses with up to 25 users and 50 devices	Specialty servers (server license) ^[3]	No CAL required	\$501



LAB – Lab-Setup

Practice
Makes Perfect

