



What is the power of Windows 365?

An introduction into the world of Cloud PC's



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Getting to know the audience

Do you know what
Windows 365 is?

Does anyone have experience
with Windows 365?

Do you want to learn more about
Windows 365?

Introduction

- 40 years – Brunssum, Netherlands
- Loves F1, skydiving and gadgets
- Cloud Architect @ e-office
- Modern Workplace, Windows 365, Nerdio, Rimo3
- Windows 365 MVP & Nerdio NVP
- First time speaker!



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Introduction



BRAINPULSE IT
CONSULTANCY & TRAINING

- 33 years - Dordrecht, Netherlands
- Microsoft (Cloud) Consultant @ Brainpulse IT
- Microsoft MVP Enterprise Mobility & Microsoft Certified Trainer
- Modern Workplace, EUC, AVD/W365, Azure en DevOps
- Co-Founder Virtual Desktop Community, DVDUG & Azure Thursday
- First time speaker!

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Agenda

- What is Windows 365
- Difference between AVD W365
- Preparing for Windows 365
- Deployment flow
- Troubleshooting and support
- Tips and tricks



What is Windows 365

What is Windows 365?

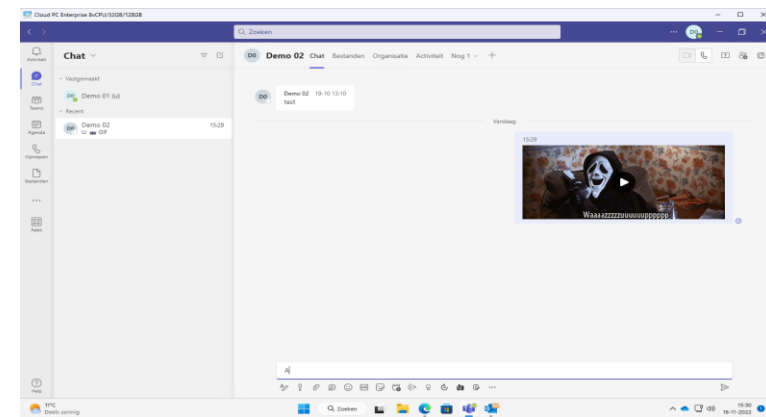
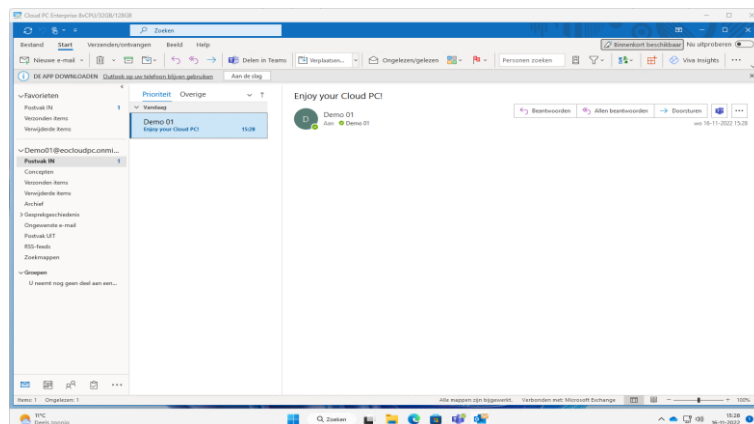
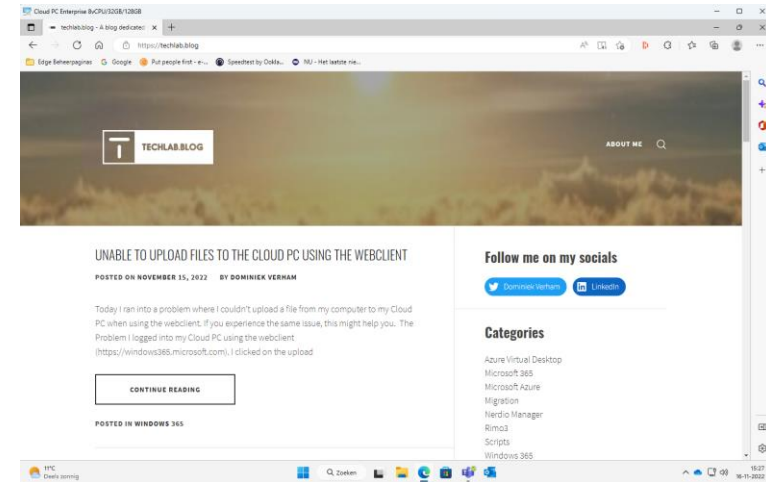
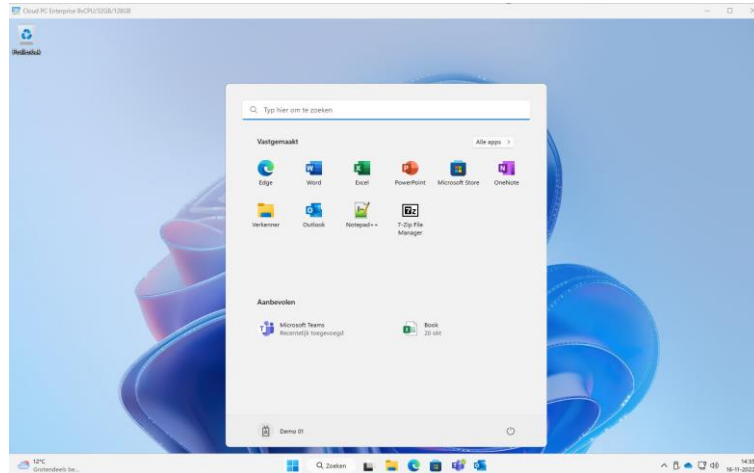
Advantages of a Cloud PC

Is there anything a Cloud PC cannot do?

Windows 365 editions

Difference between AVD and Windows 365

What is Windows 365



Advantages of a Cloud PC



Connect from anywhere



Connect from any device



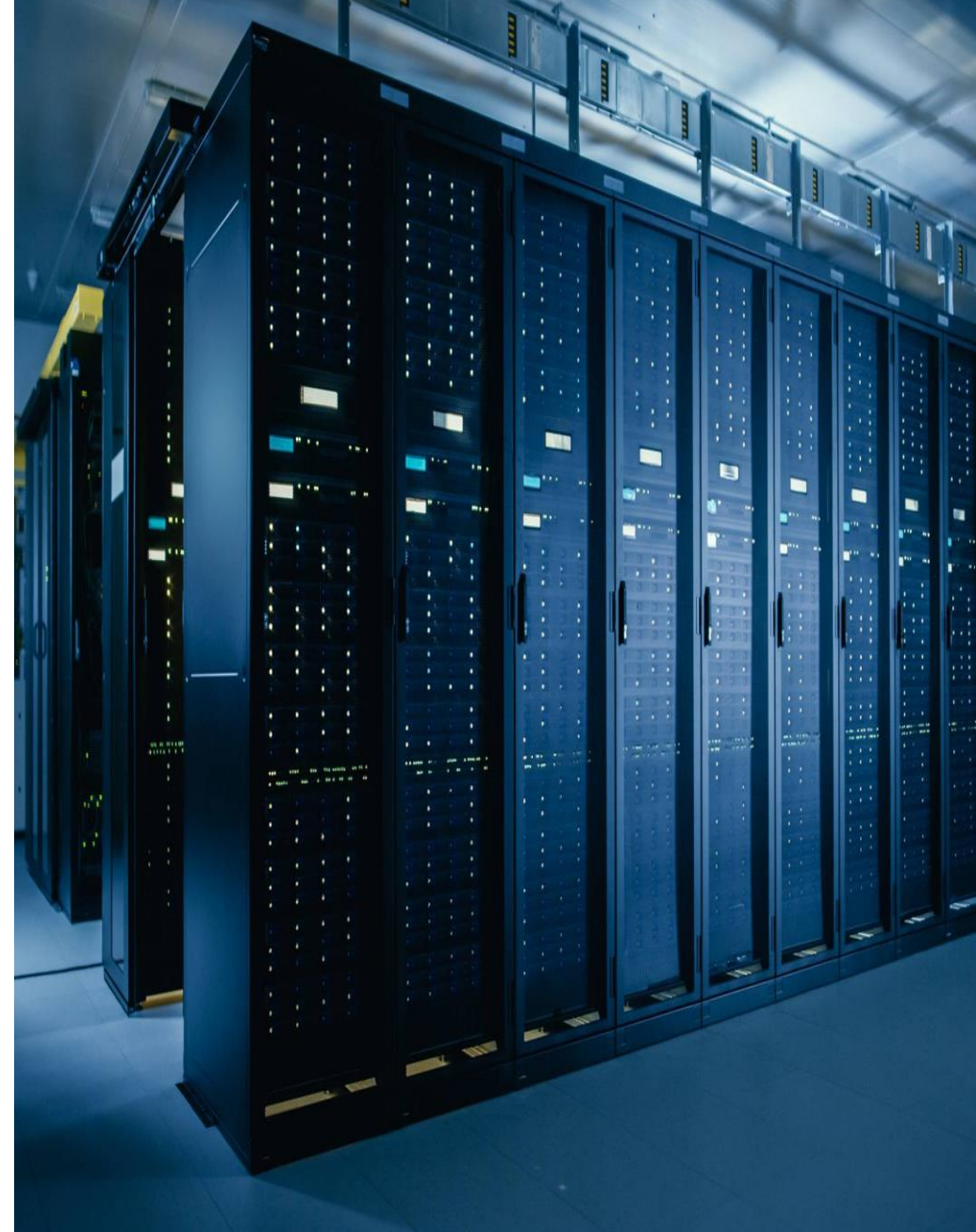
Secure and scalable



Makes for a simplified VDI experience



Always online



Is there anything the Cloud PC cannot do?

A Cloud PC is personal. It does not support multiple users.

A Cloud PC streams a full desktop. It does not support application streaming.

There is no graphics card available.



WINDOWS 365 BUSINESS

- ☒ ... If you want simplicity
- ☒ Max. 300 licenses per tenant
- ☒ Has no Azure Network Connection (Bring-your-own-network)
- ☒ Managed via windows365.microsoft.com
- ☒ Can be integrated with Intune for Business features

WINDOWS 365 ENTERPRISE

- ☒ ... If you want all of the features
- ☒ No limit on the number of licenses
- ☒ Supports an Azure Network Connection (Bring-your-own-network)
- ☒ Managed via Intune

Difference between AVD and Windows 365

Built on Azure Virtual Desktop

- Uses the same AVD control plane
- Uses the same AVD clients

Cloud PC is optimized for simplicity

AVD is optimized for flexibility

Cloud PC – Windows 365	Cloud VDI – Azure Virtual Desktop
Windows 10/11	Windows 7, Windows 10/11, Windows Server 2012+ multi-session desktops
Full Desktops	Full Desktops and RemoteApps
Microsoft Endpoint Manager (Enterprise Edition)	Full control over configuration and management. Azure portal and MEM
Predictable per user per month pricing	Flexible consumption-based pricing
Dedicated VM's	Dedicated and pooled with user profile management
Limited SKU in 22 regions	All VM SKU's in all regions
No GPU support	GPU Support
Simple management	Complex management
A PC in the cloud	Virtual Desktop Platform

Azure Virtual Desktop Gateway Service Geographies



Preparing for Windows 365

Requirements

Requirements

License



Users w/ Windows Pro endpoints: W10 E3 + EMS¹ E3 or M365 F3/E3/E5/BP
Users w/ Non-Windows Pro endpoints: Win VDA E3 + EMS¹ E3 or M365 F3/E3/F5/BP

Azure Subscription



At least 1 needed for an Azure Virtual Network

Network



Azure Virtual Network with line of sight to Domain Controller

Machine Identity



Hybrid Azure AD Join (HAADJ) – (AAD Connect) or Azure AD Join

User Identity



Hybrid Identity or Cloud-only identity

Image



Gallery or BYO in Azure
(Win10 Ent 19H1+)

Management



Microsoft Endpoint Manager
(supports SCCM co-management)

Admin Permissions



M365: Intune Service Admin (standard MEM RBAC after provisioning)
Azure: Subscription Owner (setup network connection)

Deployment overview

Assign licenses

Create Azure network connection

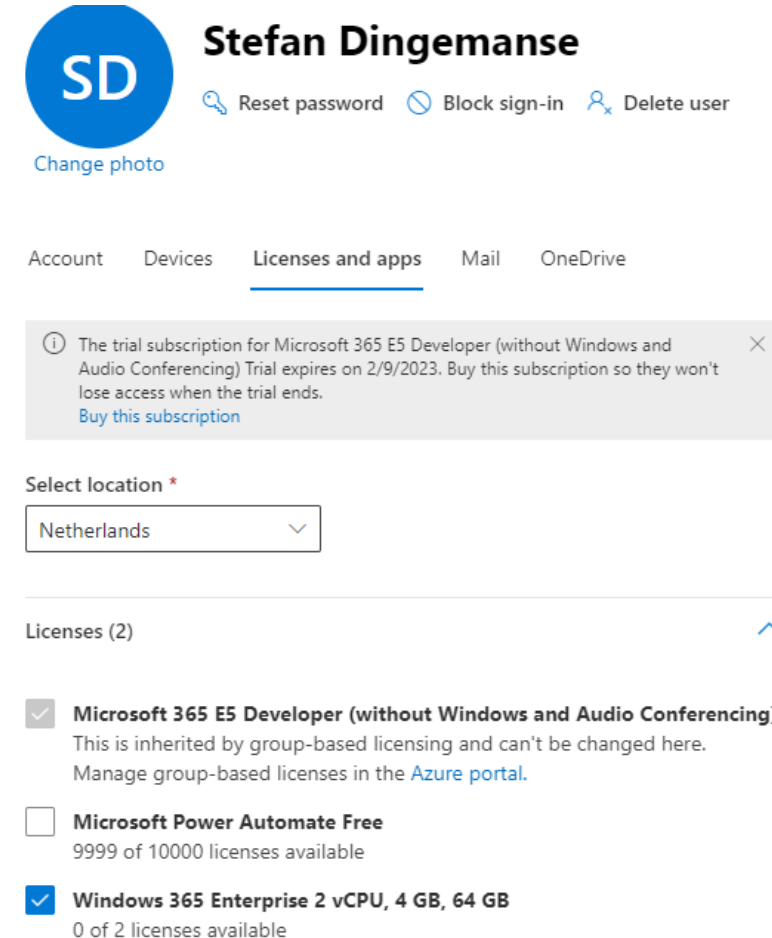
Add your own image (optional)

Create provisioning policy

Create a user settings policy

Assign licenses

- Microsoft 365 admin center or Azure Active Directory portal
- You can use group-based licensing or a direct assignment
- Without a license the user won't get any Cloud PC provisioned



The screenshot shows the user profile for Stefan Dingemanse in the Microsoft 365 admin center. The profile includes a circular avatar with the initials 'SD', the name 'Stefan Dingemanse', and links for 'Reset password', 'Block sign-in', and 'Delete user'. Below the profile is a 'Change photo' link and a navigation bar with 'Account', 'Devices', 'Licenses and apps' (selected), 'Mail', and 'OneDrive'. A notification banner states: 'The trial subscription for Microsoft 365 E5 Developer (without Windows and Audio Conferencing) Trial expires on 2/9/2023. Buy this subscription so they won't lose access when the trial ends. Buy this subscription'. Below the notification is a 'Select location' dropdown menu currently set to 'Netherlands'. The 'Licenses (2)' section lists two licenses: 'Microsoft 365 E5 Developer (without Windows and Audio Conferencing)' (checked, inherited by group-based licensing) and 'Microsoft Power Automate Free' (unchecked, 9999 of 10000 licenses available). At the bottom, 'Windows 365 Enterprise 2 vCPU, 4 GB, 64 GB' is checked, with 0 of 2 licenses available.

Stefan Dingemanse
Reset password Block sign-in Delete user
Change photo

Account Devices **Licenses and apps** Mail OneDrive

① The trial subscription for Microsoft 365 E5 Developer (without Windows and Audio Conferencing) Trial expires on 2/9/2023. Buy this subscription so they won't lose access when the trial ends.
[Buy this subscription](#)

Select location *
Netherlands

Licenses (2)

- ☒ **Microsoft 365 E5 Developer (without Windows and Audio Conferencing)**
This is inherited by group-based licensing and can't be changed here.
Manage group-based licenses in the [Azure portal](#).
- ☐ **Microsoft Power Automate Free**
9999 of 10000 licenses available
- ☒ **Windows 365 Enterprise 2 vCPU, 4 GB, 64 GB**
0 of 2 licenses available

Create Azure network connection

- Connecting the Windows 365 service to your Azure Virtual Network
- Choose between Azure AD Join or Hybrid Azure AD Join
 - Active directory domain information
- Needs Network Contributor Rights on the VNET

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Create a Hybrid Azure AD Join Connection ...

Windows 365

✓ Network details 2 AD domain 3 Review + create

Active Directory domain information and credentials are required to create Cloud PCs in the specified virtual networks, join them to the domain, and perform other service operations. [Learn more about AD domain](#)

AD DNS domain name * ⓘ

Organizational Unit ⓘ

AD username UPN * ⓘ

AD domain password * ⓘ

Confirm AD domain password * ⓘ

User settings

- Enable Local admin
- Allow users to initiate restore service
- Frequency of restore-point
 - 4/6/12/16/24 hours
 - 12 restore points

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BPS - W365 Default User Settings ...

Settings [Edit](#)

Name	BPS - W365 Default User Settings
Enable Local admin	Yes
Allow user to initiate restore service	Yes
Frequency of restore-point service	Every 4 hours

Assignments [Edit](#)

Groups

W365-WE-ProvisioningPolicy

Create the provisioning policy

- Engine which does the provisioning of the Cloud PC
- Requires:
 - Join type
 - Network
 - Azure network connection
 - Image
 - Gallery / custom
 - Language & Region
 - Additional services
 - Assign an Azure AD Group


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Create a provisioning policy ...

Windows 365

✓ General ✓ Image ✓ Configuration **4 Assignments** 5 Review + create

Select the groups containing users that you want to receive Cloud PCs. Cloud PCs will only be provisioned for users who have Windows 365 licenses. The Cloud PCs will be provisioned with the configurations specified in this policy. [Learn more about the Cloud PC lifecycle](#)

 Add groups

Groups

User Experience

Cloud PC Web Access

Windows 365 Apps

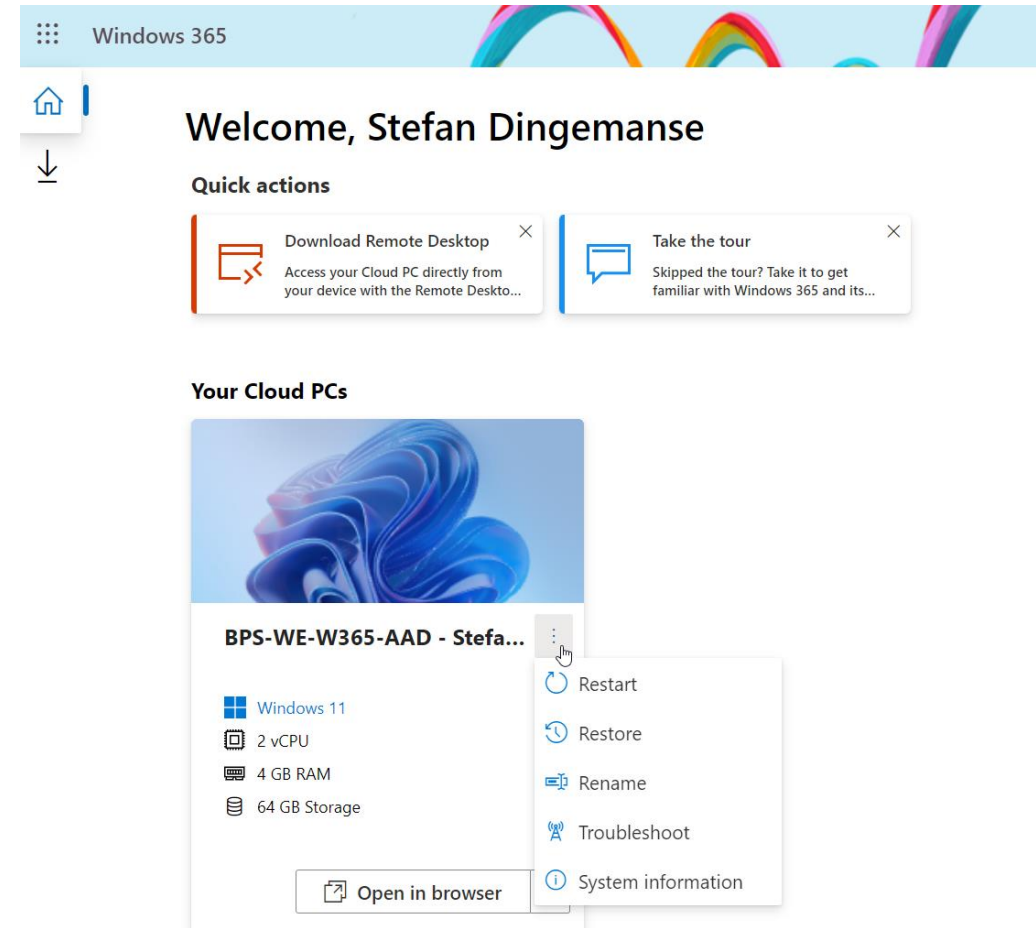
Cloud PC Web Access

Navigate to windows365.microsoft.com

- You will see your desktops and the option to connect
- Download native clients for different platforms

Self-service options

- Reboot your Cloud PC
- Point-in-time Restore
- Rename your desktop
- Troubleshoot



Windows 365 apps

- Windows 365 App for Windows
 - Only for Windows 11
 - In public preview
 - Supports SSO
 - Multi-monitor experience
- Microsoft Remote Desktop
 - Same client as AVD
 - Multi-monitor experience

Welkom Demo 01

Uw cloud-pc's



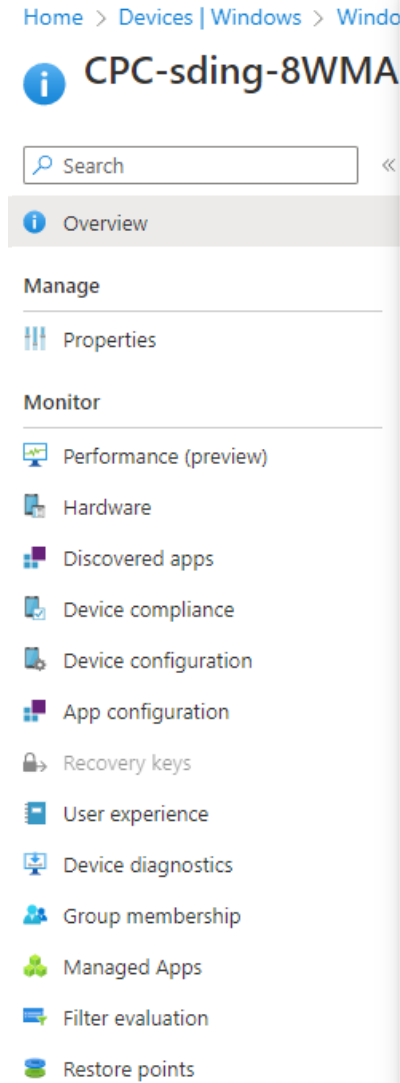
Troubleshooting & Support

Extra management options

Endpoint Analytics

Extra options

- *Reprovisioning*
- Restoring a Cloud PC
- *Resizing a Cloud PC*
- Troubleshoot
- Analytics
- Microsoft Security Baseline



Resize

Windows 365

Select a new size for this Cloud PC. The appropriate license will need to be available in inventory for the resize to take place. [Learn more](#)

Refresh

Current size: Cloud PC Enterprise 2vCPU/4GB/64GB

Processors	RAM	OS storage
<input type="radio"/> 2vCPU	4GB	128GB
<input type="radio"/> 4vCPU	16GB	128GB
<input type="radio"/> 8vCPU	32GB	128GB

Endpoint analytics

- *Remoting connection*
 - Connection from the client to the Cloud PC
- Startup performance
- Proactive remediations
- Application reliability
- Work from anywhere
- Resource performance

Remoting connection

Model performance

Device performance

Review key performance metrics for connecting to your Cloud PCs and how it impacts user connectivity. With sign-in time, we provide the time taken to connect to the Cloud PC. Round trip time (RTT) provides insights on speed and reliability of network connections from the user location. [Learn more.](#)

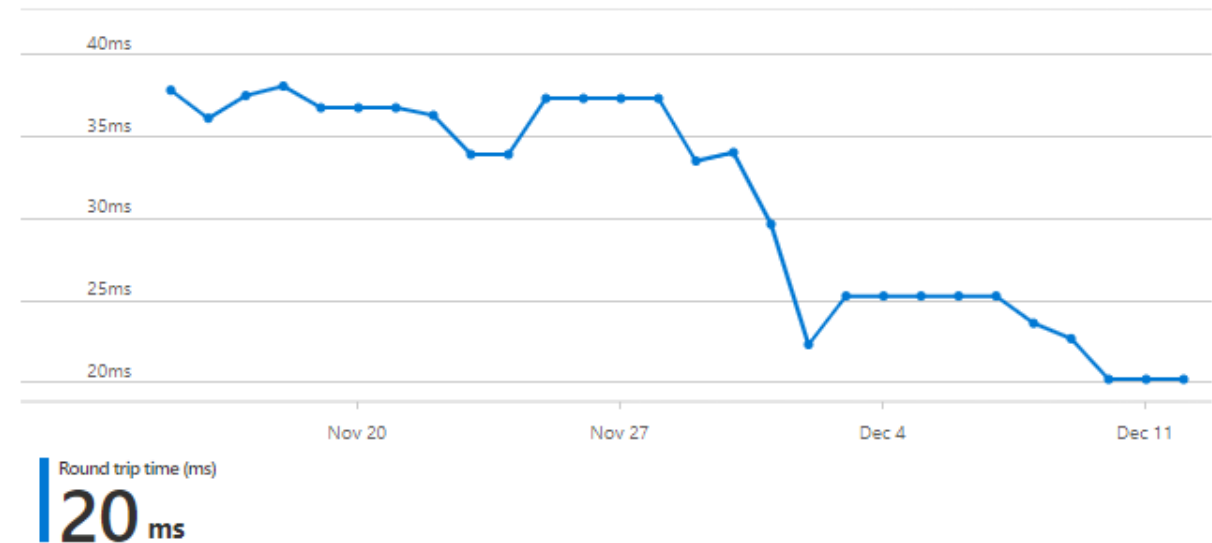
Remoting connection metrics

Metric	p95(Last)	Median	Rating
Round trip time ⓘ	44ms	13ms	Good
Sign-in time ⓘ	23sec	23sec	Good

Daily metric trends (30 days)

View

Round trip time (ms) ▼



DEMO

Windows 365 Cloud PC in Intune

User Settings and Provisioning Policies

Endpoint Analytics and reporting

Tips and tricks

Post deployment tasks

Our 'best practices'

Optimizing the user experience

Windows 365 Baseline

Post-Deployment tasks

- Enrollment Status Page
 - Remember to use filters, do not use dynamic groups.
- Install Updates
 - Windows Update for Business
 - Windows Autopatch
- Security
 - Windows 365 baseline

Instellen voor werk of school

Dit kan enkele minuten duren. Het apparaat moet mogelijk opnieuw worden opgestart terwijl de configuratie wordt voltooid.

Our 'Best practices'

- Use filtering / dynamic groups
- Intune settings catalog for Device and resource redirection
- Don't use group-based licensing if you want to resize Cloud PC
- Use Azure Region, group name and image name in naming convention
- If eligible; use Hybrid Benefits
- Place Cloud PC's in the region nearest to the user for best performance

Optimizing the user experience

- RDP Shortpath
 - Uses UDP instead of TCP for a better experience
- Multi-Media Redirection (public preview)
 - Offloads video to the local client for a better experience
- Teams offloading
 - Redirects audio and video to your local client for a better experience

Windows 365 Baseline

- ...will break the ability to upload files from your local device to the Cloud PC using the webclient.
- Solution: Change 'block drive redirection' to Not configured.

Remote Desktop Services

Remote desktop services client connection encryption level ⓘ	High ▼
Block drive redirection ⓘ	Not configured ▼
Block password saving ⓘ	Enabled ▼
Prompt for password upon connection ⓘ	Enabled ▼
Secure RPC communication ⓘ	Enabled ▼

Summary

Summary

- Easy to setup and manage
- Recognizable for your end users
- Completely integrates with MEM
- Great analytics and reporting
- Predictive costs (per user/per month)
- It's a complimentary product next to a physical machine and AVD

Udemy Windows 365 course



Coupon code:
W365INTRO

<https://www.udemy.com/course/windows-365-enterprise-and-intune-management/?couponCode=W365INTRO>

Thank you for your time!

Feel free to ask questions or provide feedback

STICKERS / MAGNETS