What is the power of Windows 365?

An introduction into the world of Cloud PC's

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MC²

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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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https://techlab.blog

Introduction

- 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

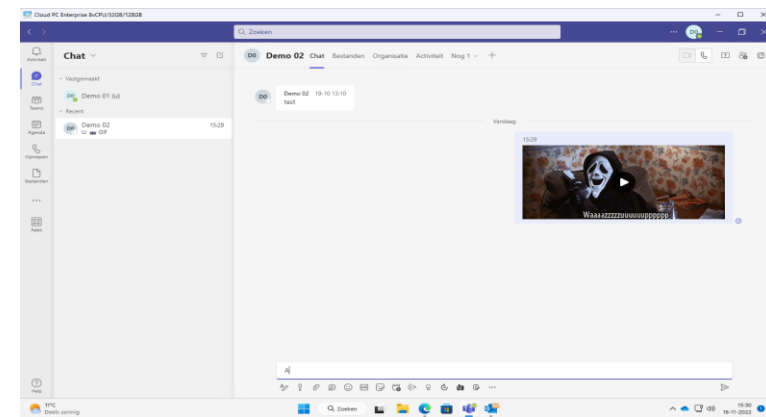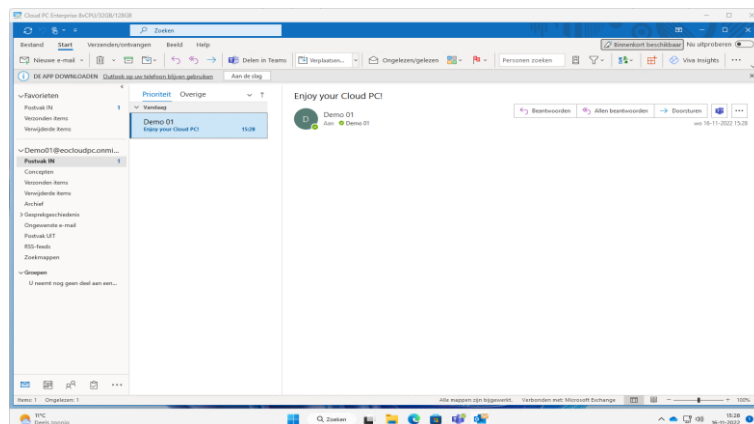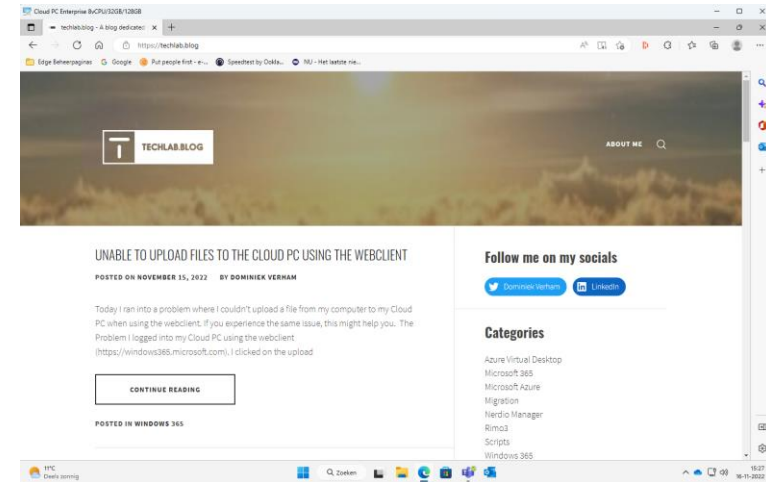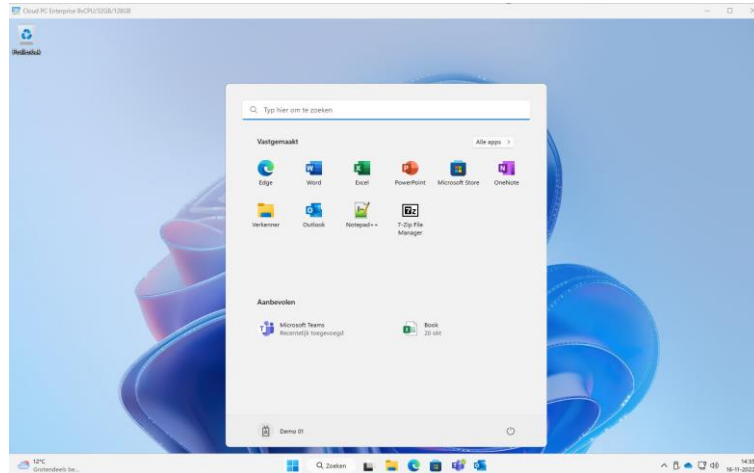# What is Windows 365

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

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What is Windows 365

Advantages of a Cloud PC
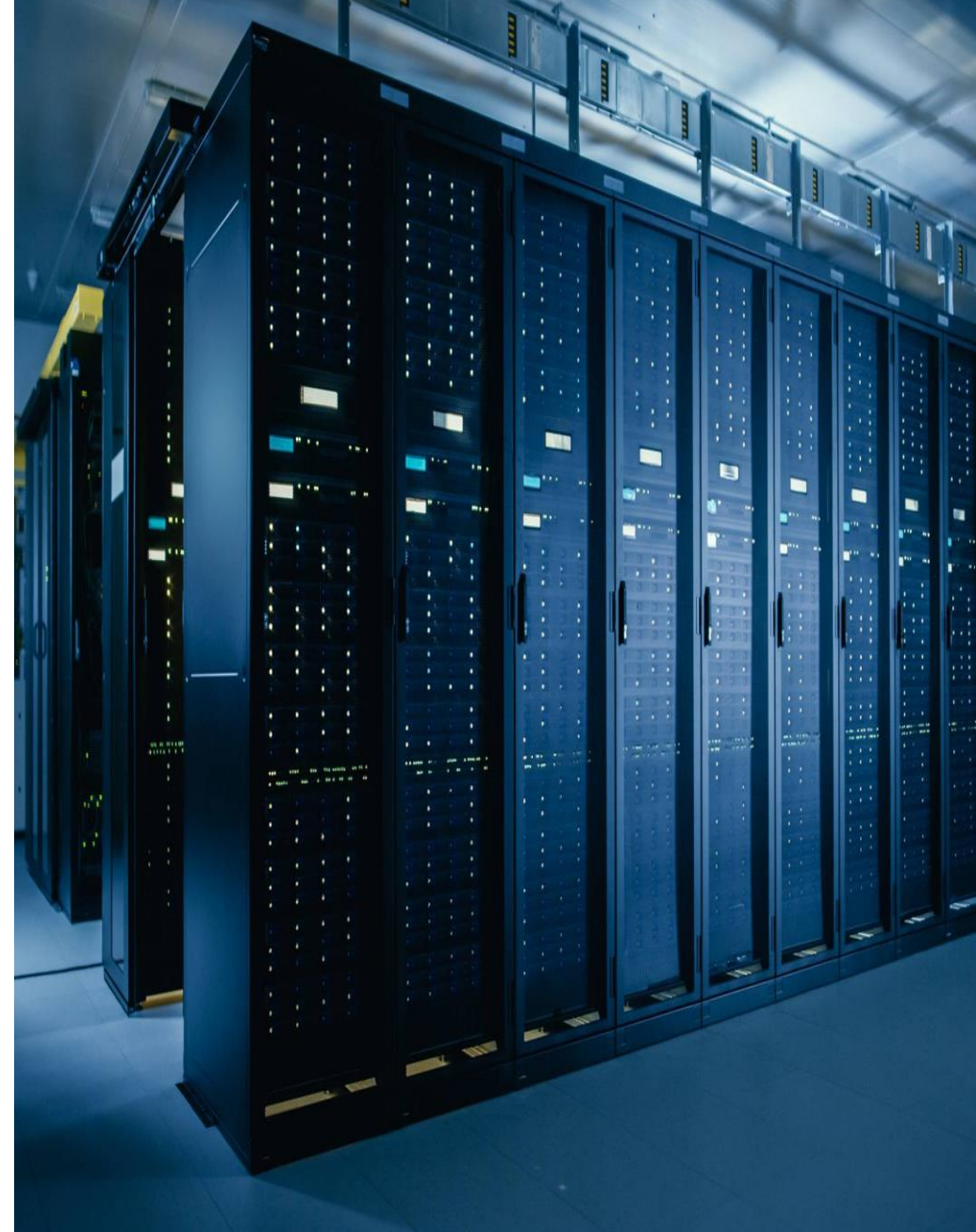
Connect from anywhere

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

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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 flexbility

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 + EMS[1] E3 or M365 F3/E3/E5/BP Users w/ Non-Windows Pro endpoints: Win VDA E3 + EMS[1] 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)

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Deployment overview

Assign licenses

Create Azure network connection
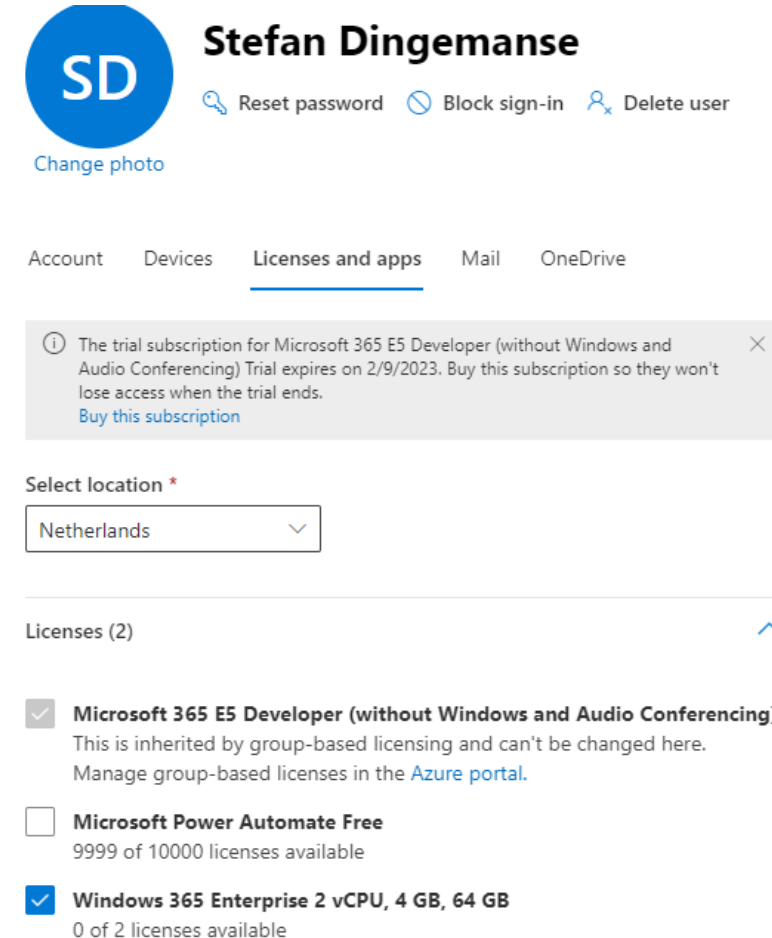
Add your own image (optional)

Create provisioning policy

Create a user settings policy

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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

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

User settings

- Enable Local admin

- Allow users to initiate restore service

- Frequency of restore-point
  - 4/6/12/16/24 hours
  - 12 restore points

Home > Devices | Windows 365 >

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

User Experience

Cloud PC Web Access
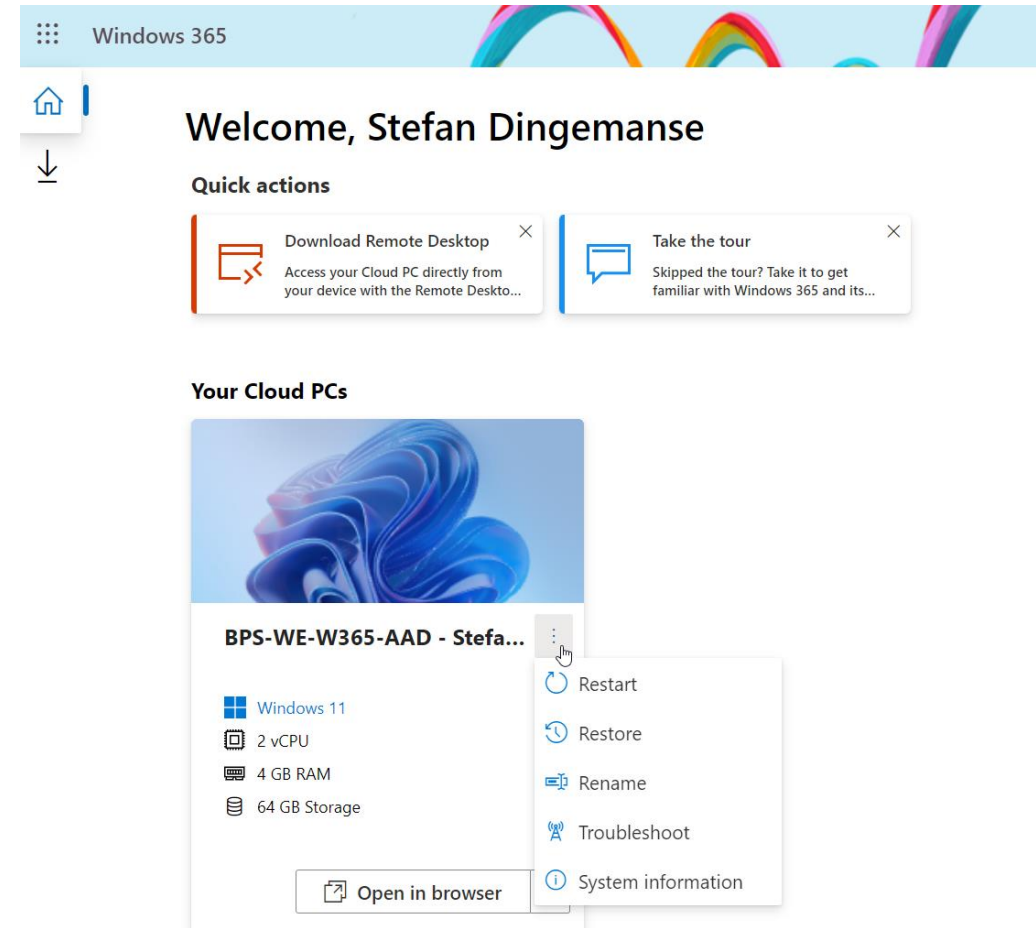
Windows 365 Apps

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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
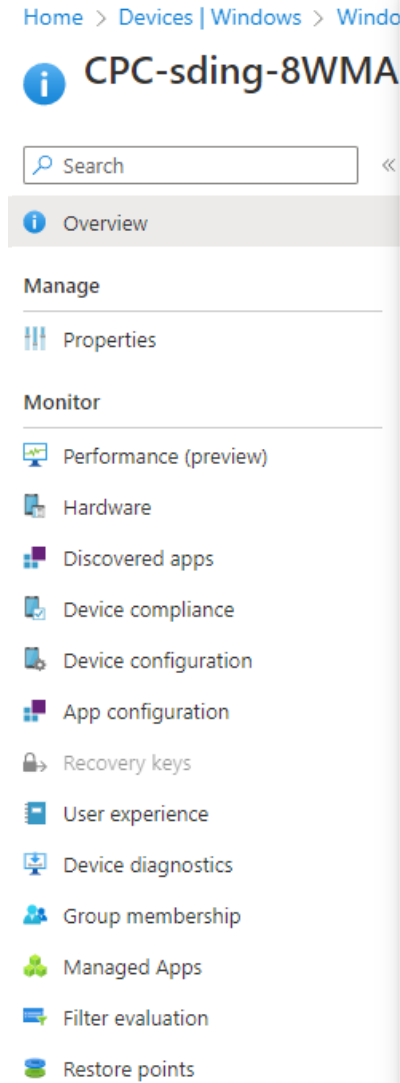 - Same client as AVD
  - Multi-monitor experience

Troubleshooting & Support

Extra management options

Endpoint Analytics

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Extra options

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

Endpoint analytics

- *Remoting connection*
  - Connection from the client to the Cloud PC

- Startup performance

- Proactive remediations

- Application reliability

- Work from anywhere

- Resource 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) ⌄

Round trip time (ms)

20 ms
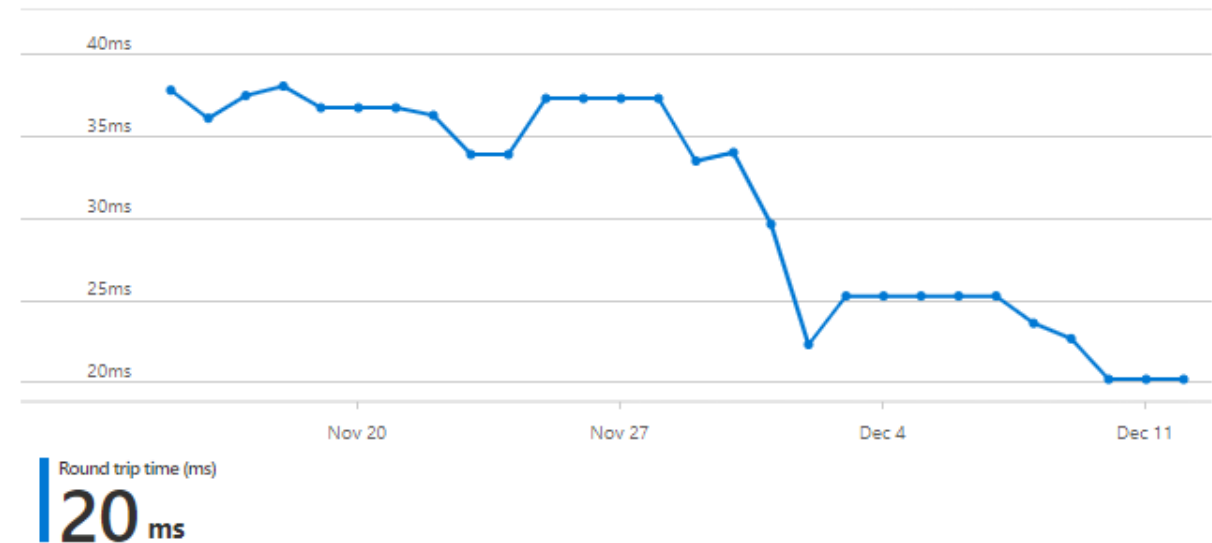
DEMO

Windows 365 Cloud PC in Intune

User Settings and Provisioning Policies

Endpoint Analytics and reporting

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Tips and tricks

Post deployment tasks

Our 'best practices'

Optimizing the user experience

Windows 365 Baseline

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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

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.

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

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