

What's new in Windows 365 & Azure Virtual Desktop

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Finding the right Microsoft solution for your needs



Windows 365 CLOUD PC



Secure work on
personal PCs



Onboard and
offboard
employees



Simple to buy,
deploy, and
manage



No employee
or IT special skills
or training



Quickly
scale and
resize



Azure Virtual Desktop CLOUD VDI



Shift on-prem VDI
to the cloud



Leverage existing VDI
investment and expertise



Enable remote app
streaming and
non-persistent

What's new in Azure Virtual Desktop

Custom Image Templates

- **GUI based creation of golden image** – simplifies image templates with Azure Virtual Desktop tailored build in scripts.
- **Utilizes Azure Image Builder for image creation** – Create your golden image conveniently from the Azure Virtual Desktop GUI.
- **Deploy image in host pool creation flow** – Select your golden image during host pool creation stored in Azure Marketplace
- **Reuse previously created templates** – create a new template with less steps but leveraging preset configuration.

The screenshot displays the 'Create custom image template' interface in the Azure Virtual Desktop console. The 'Customizations' tab is active, showing a list of built-in scripts. The interface includes a breadcrumb trail 'Home > Azure Virtual Desktop | Custom image templates >', a progress bar with steps: Basics, Source image, Distribution targets, Build properties, Customizations (active), Tags, and Review and create. Below the progress bar, there is a table of scripts and a right-hand panel for selecting built-in scripts.

Script name	URI
Install languages	https://raw.githubusercontent.com/Azure/RDS-Templates/master/CustomImageTemplateScripts/CustomImageTemplateScripts/InstallLanguages.ps1

Below the table, there are buttons for '+ Add built-in script', '+ Add your own script', and actions like 'Move up', 'Move down', 'Move to top', 'Move to bottom', and 'Delete'.

Select built-in scripts

Operating system specific scripts

- ☐ Install languages
- ☐ Set default OS language
- ☐ Time zone redirection
- ☐ Disable Storage Sense

Azure Virtual Desktop scripts

- ☒ Install FSLogix and enable file containers
- Profile path:
- VHD size (mb):
- ☐ Enable Kerberos and Azure AD
- ☐ Configure RDP Shortpath for managed networks
- ☒ Enable screen capture protection
- Enable screen capture protection:
- ☐ Configure Teams optimizations
- ☐ Configure session timeouts
- ☐ Install multimedia redirection
- ☐ Configure Windows Optimizations

MSIX App Attach

- ☐ Disable Auto updates for MSIX App Attach Applications

Application scripts

- ☐ Remove Appx packages

At the bottom, there are buttons for 'Previous', 'Next', 'View JSON', 'Save', and 'Discard'.

Session Host Update

- **Session Host update** - provides a guided & orchestrated experience to update existing Host Pool's
- **Update Host Pools** - Automated using traditional VDI workflows
- **Maintenance Windows** - Traditional maintenance window or rolling updates
- **Provides ability to change many items including:**
 - VM SKU
 - Gold image
 - Disk type
 - Session Host update is in private preview and will soon go public preview soon.

Update host pool ...

Basics **Virtual Machines** Schedule Notifications Review

Virtual machine details

Image *

Windows 10 Enterprise multi-session, Version 20H2

See all images

Virtual machine size *

Standard D2as v4

Change size

OS disk type *

Premium SSD

Domain to join

Select which directory you would like to join

Active Directory

AD domain join UPN *

domainjoin@mydomain.com

Key vault for password *

HPIUKeyVault

Secret for password *

DOMAINJOIN-password

Specify Domain

☐ Yes ☒ No

Virtual Machine Administrator account

Username *

LocalAdmin

Key vault for password *

HPIUKeyVault

Secret for password *

LocalVMAccountPassword

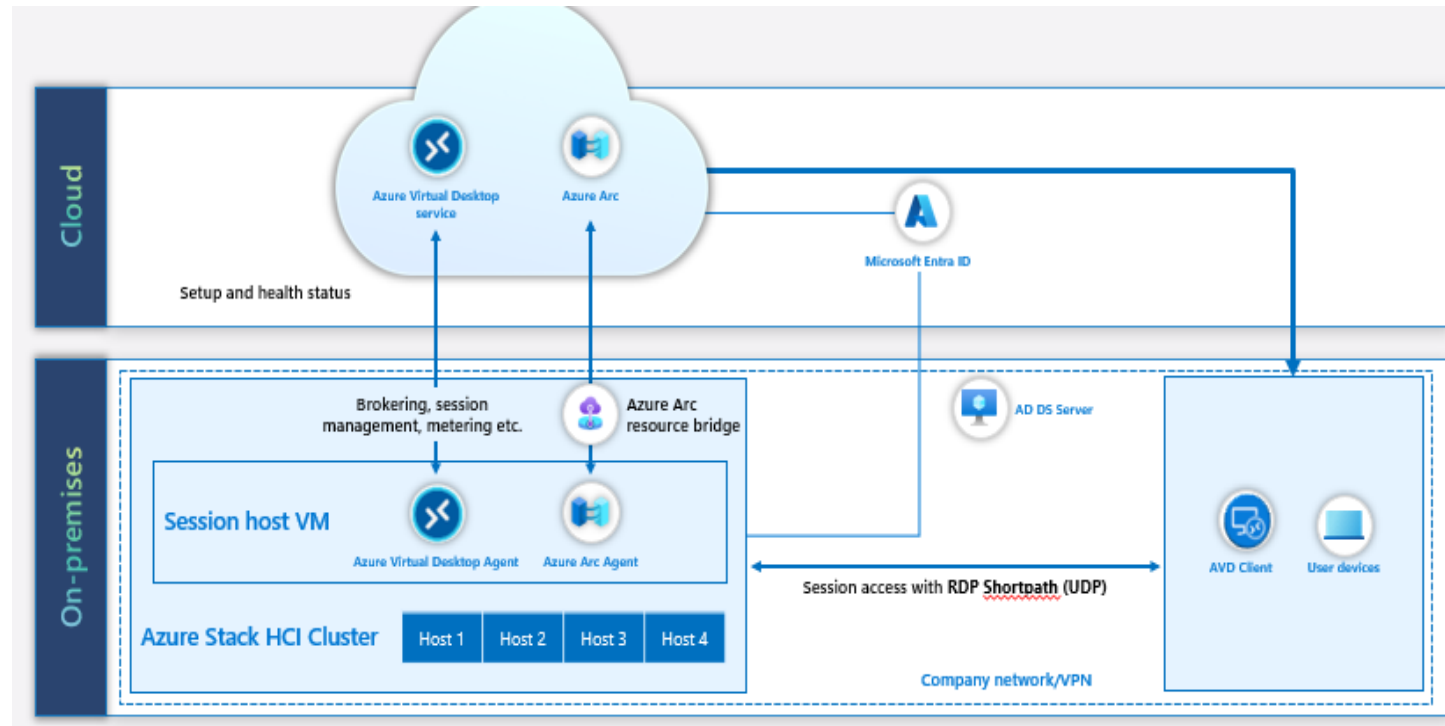
Review + create

< Previous

Next: Schedule >

Introducing Azure Virtual Desktop for Azure Stack HCI

- Designed for customers who need **secure on-premises virtualized apps and desktops**
- Combines the **benefits of Azure Virtual Desktop and Azure Stack HCI**
- Customers can **deploy in their datacenters to extend their on-premises infrastructure** to Azure
- All while enjoying many of the **key benefits of Azure Virtual Desktop on Azure**, such as **Azure portal, Windows 11 and Windows 10 multi-session**



Hibernate and resume with AVD autoscaling for personal host pools

AVD Autoscaling supports **hibernating personal host pool VMs**

This writes memory to disk and the VM is deallocated. On Resume the memory is re-hydrated

Can be set on either the disconnect or log off events

Not charged for the compute cost of a deallocated Virtual Machine

Home > Azure Virtual Desktop | Scaling plan

Create a scaling plan

Basics Schedules Host pool assignment

Schedules enable you to define ramp-up hours and autoscaling triggers. Scaling plan must include at least one schedule.

+ Add schedule

Add a schedule

General Ramp-up **3 Peak hours** Ramp-down Off-peak hours

Repeats on Mon, Tue, Wed, Thu, Fri

Time zone (UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi

Start time (12 hour system) * ⓘ 09:00 AM

Start VM on Connect ⓘ ☒ Yes ☐ No

Disconnect settings

When disconnected for (min) * ⓘ 30 ✓

Perform ⓘ Hibernate ✓

Log off settings

When logged off for (min) * ⓘ 10 ✓

Perform ⓘ Hibernate ✓

Review + create < Previous Previous Next

App attach new features

Apps can now be assigned to:

- Any host pool or session host
- The same app to multiple host pools
- Assigned directly to users

Does not require an AVD
Application Group

Supports EntraID not just AD

Easier management more efficient
less host pools and images to
manage

Dashboard > Azure Virtual Desktop | App attach > Terminal Preview

Terminal Preview | Users

App attach package

Search

+ Add Refresh Remove

Filter by Name

Display name	Email address
User2	User2@AVD.Tools
User1	User1@AVD.Tools

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Locks

Configuration

Properties

Manage

Host pools

Users

What's new in Windows 365

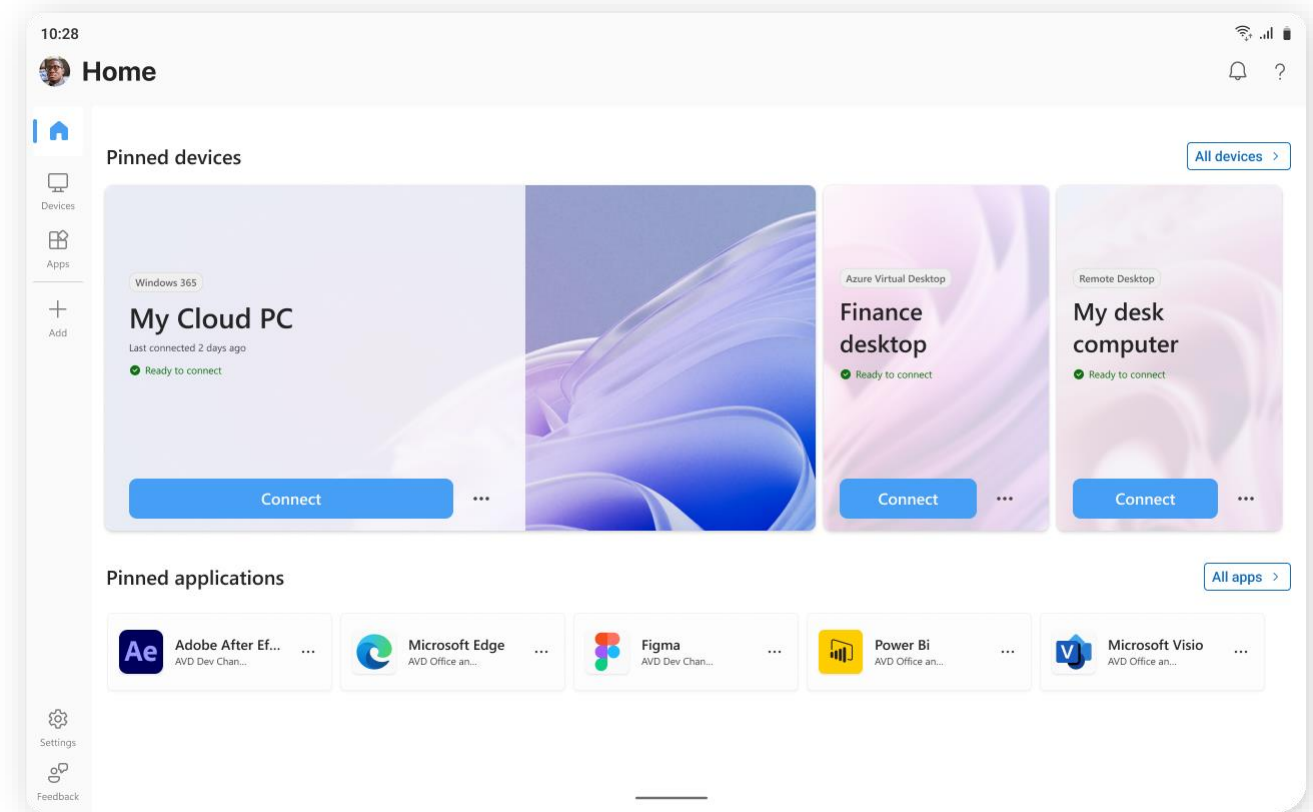
Windows App

In public preview at Ignite

One client across

- Windows 365
- Azure Virtual Desktop
- Remote Desktop
- Remote Desktop Services
- Microsoft Dev Box

3M ACTIVE HOURS across platforms!



Windows 365



Azure
Virtual Desktop



Remote
Desktop



Remote
Desktop Services

SSO and Passwordless Auth

Create a provisioning policy ...

Windows 365

1 General 2 Image 3 Configuration 4 Assignments 5 Review + create

A Cloud PC is a managed virtual PC that users can sign in to and get work done from anywhere on any machine. These steps help you configure the settings needed to host Cloud PCs.

Name *

Description

License type

☒ Enterprise
Each user will get their own Cloud PC without restrictions on when they can connect to it.

☐ Frontline
Each user will receive their own Cloud PC but with limits on how many devices can be connected at the same time. Recommended for users who access their Cloud PCs intermittently, or a set schedule. [Learn more about Windows 365 Frontline](#)

Join type details

Select the join type for the Cloud PCs assigned to this policy. [Learn more about join types.](#)

Join type * ⓘ

☒ Microsoft Entra Join

☐ Hybrid Microsoft Entra Join

Network *

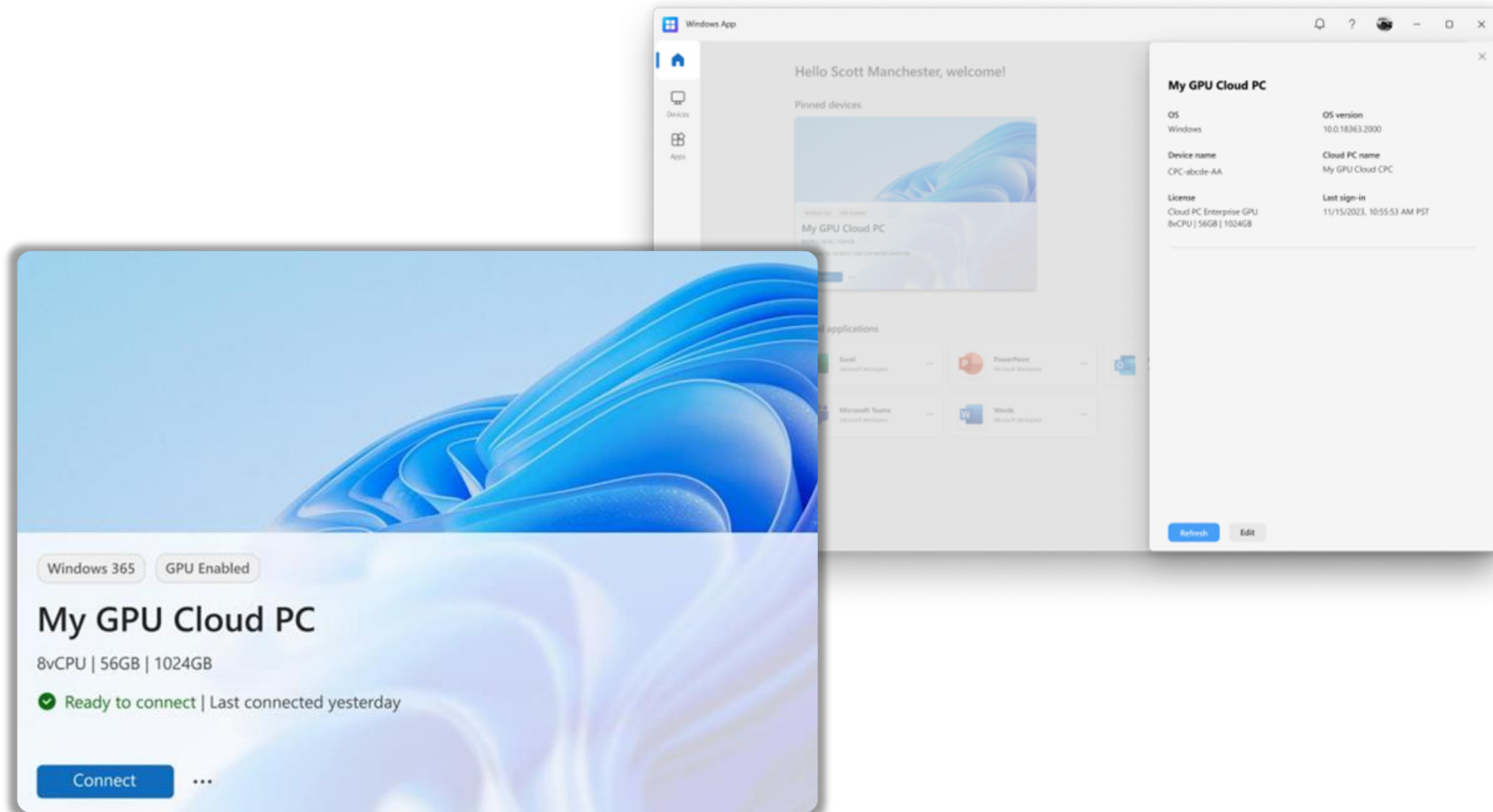
☐ Microsoft hosted network

☐ Azure network connection

Use Microsoft Entra single sign-on (p... ⓘ ☐

Leverage Microsoft Entra authentication to provide single sign-on, passwordless authentication, and support for 3rd-party Identity Providers

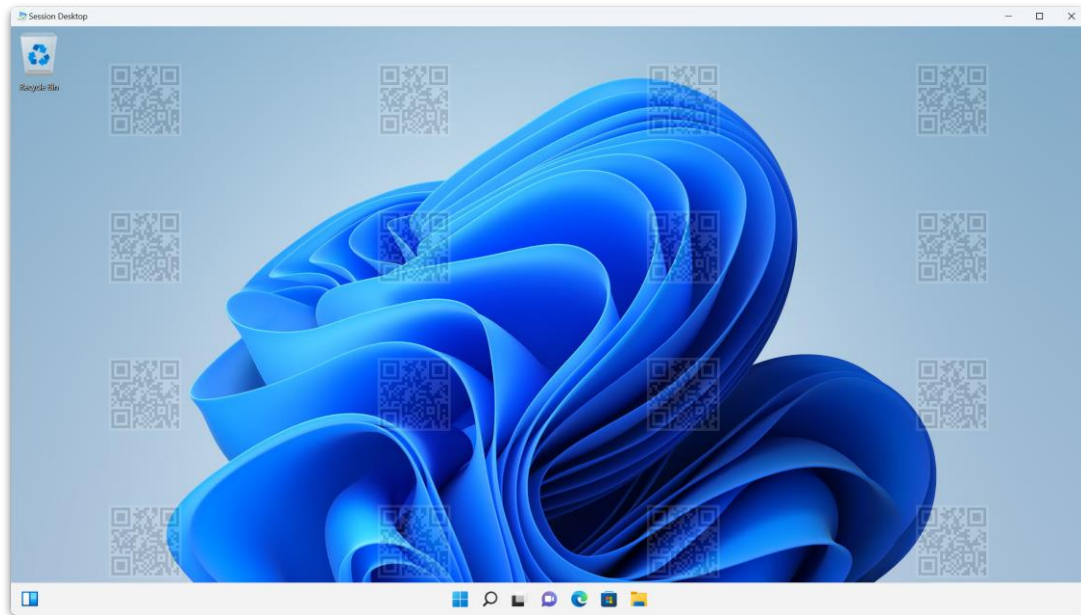
Windows 365 GPU



Windows Data Protection

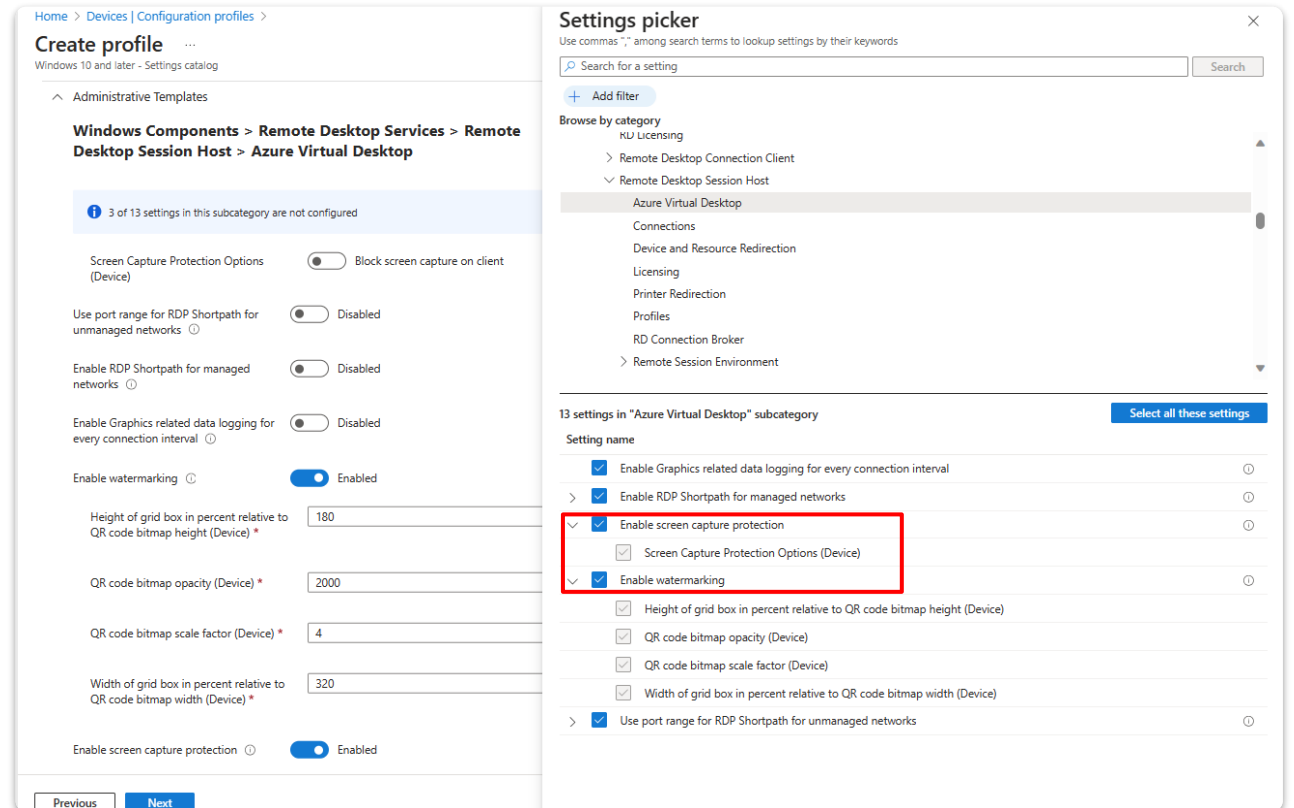
Watermarking

Add a traceable watermark to Cloud PCs



Screen Capture Protection

Block/Hide remote content in screenshots and screen sharing



Secure Access to Cloud PCs / AVD VMs with MAM

Scenarios:

1. Customers want to minimize sensitive data exfiltration and/or block malware infiltration

Users **can** access local drives and clipboard on a **managed** device

Users **cannot** access local drives and clipboard on an **unmanaged** device

2. Customers want to raise the security bar for access based on device conditions (image to right)

With MAM integration, customers can customize the allowed device redirections and strengthen security of the physical devices used to access Cloud PCs or AVD VMs (like, requiring min OS version, AV to be on, etc.).

- Solution applies to both AVD + W365
- Available for Windows app and Remote Desktop Clients
- Supports all three scenarios below

1, Unmanaged



- User's Personal device
- Windows 10/11 Home edition
- Can't be managed due to technical limitation or corporate policy

2, Managed by External Tenant



- Already managed means it can't be enrolled into another tenant for configuration policies or conditional access

3, Managed by Organization

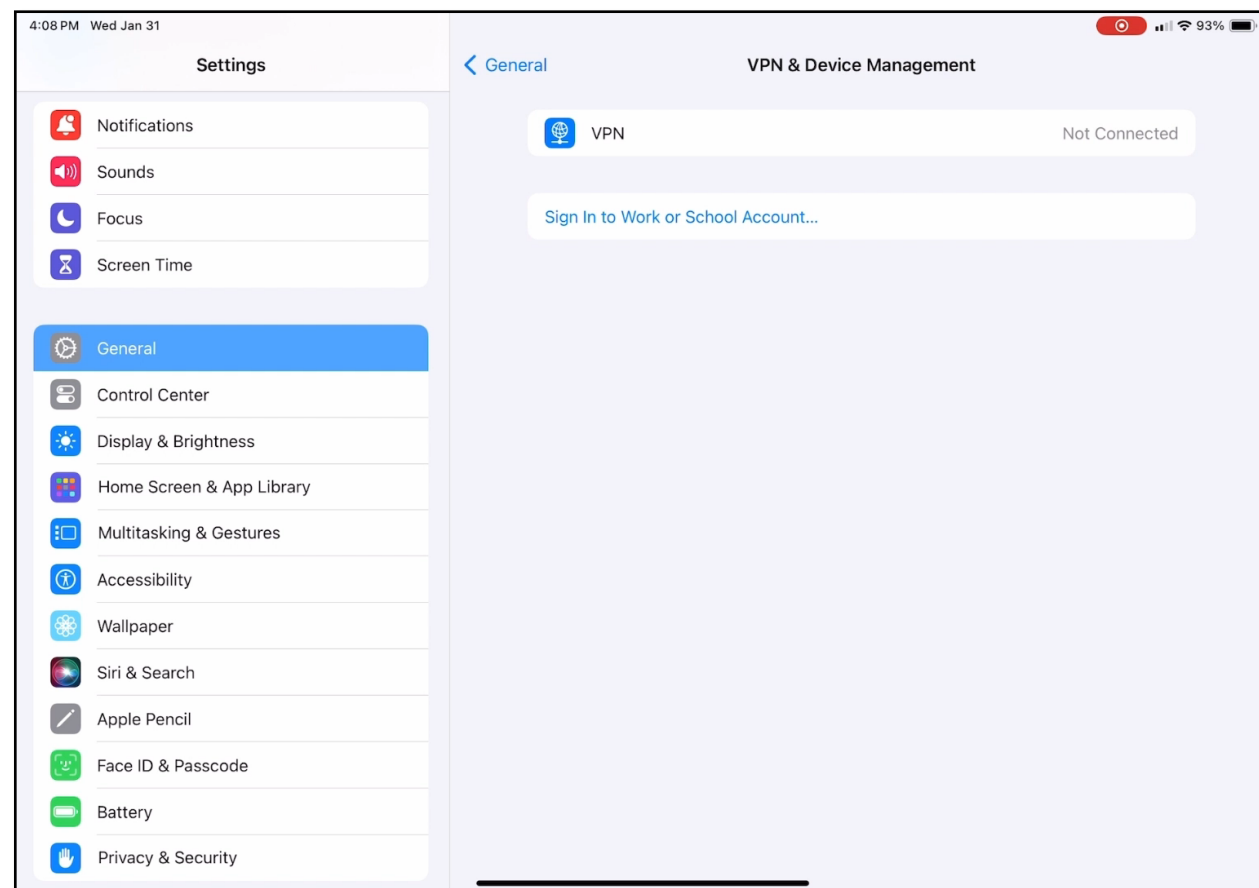
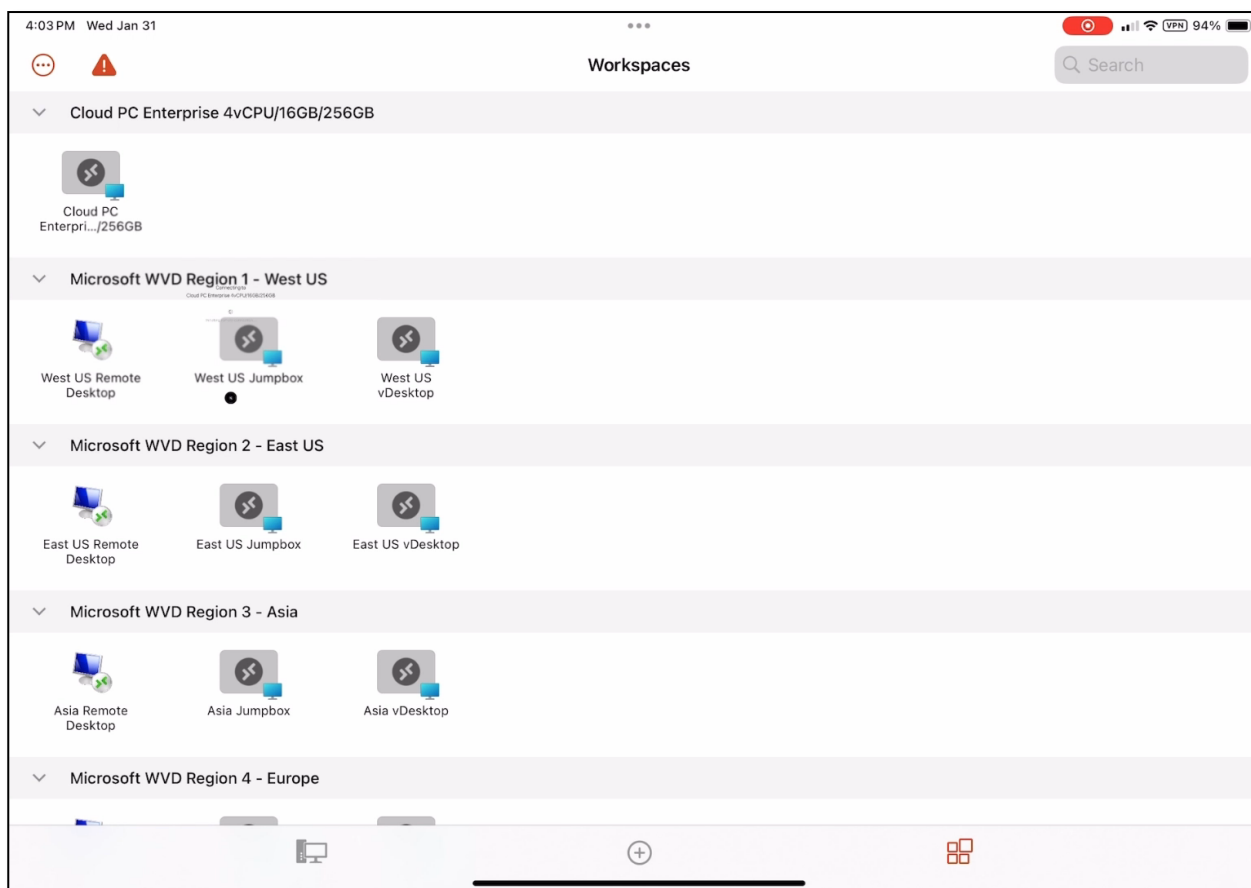


- Enrolled into Intune and Entra ID joined (Optional: Hybrid Join)
- Available for conditional access posture checks

MAM Demo – End User Experience

Drive redirection is **enabled** when accessing Cloud PCs/AVD VMs from a **managed** iPad

Drive redirection is **disabled** by the policy created in the previous demo for **unmanaged** iPads.



Windows 365 AI Powered Management

Cloud PC Recommender:

- **CPC Size Evaluation** – Performance evaluation of CPU and RAM to determine – Oversized, Undersized, or Right-sized
- **CPC Usage Evaluation** – Identify underutilized Cloud PCs, re-assign licenses based on usage
- **CPC Location Evaluation** – Move CPC based on user experienced latency

The screenshot displays the Microsoft Intune admin center interface, specifically the 'Cloud PC overview' page. The page is divided into two main sections: 'Cloud PC recommendations' and 'Oversized Cloud PCs'.

Cloud PC recommendations

This section provides an overview of Cloud PC recommendations, including a bar chart showing the distribution of Cloud PCs by size:

Size	Count
Right-sized	1362
Undersized	90
Oversized	42
Underutilized	5

Below the chart, there are three sections: 'Reclaim underutilized licenses', 'Resize undersized Cloud PCs', and 'Resize oversized Cloud PCs'. Each section provides a brief description of the issue and a 'View recommendations' button.

Oversized Cloud PCs

This section displays a table of oversized Cloud PCs, showing the device name, username, current size, recommended size, CPU usage, RAM usage, and underused resource.

Device name	Username	Current size	Recommended size	CPU usage (P90)	RAM usage (P90)	Underused Resource
Cloud PC - Aaron Gonzales	aaron.g@contoso.com	4vCPU/8GB/256GB	2vCPU/8GB/64GB	31%	35%	CPU
Cloud PC - Grace Taylor	gracet@contoso.com	4vCPU/8GB/256GB	2vCPU/8GB/256GB	29%	38%	CPU
Cloud PC - Cora Thomas	corat@contoso.com	4vCPU/16GB/512GB	4vCPU/8GB/128GB	35%	38%	RAM
Cloud PC - Kiana Anders	kianaa@contoso.com	4vCPU/8GB/128GB	2vCPU/4GB/64GB	27%	49%	CPU, RAM
Cloud PC - Mario Rogers	marior@contoso.com	8vCPU/32GB/256GB	4vCPU/16GB/512GB	38%	37%	CPU, RAM
Cloud PC - Parker McLean	parker@contoso.com	4vCPU/16GB/512GB	4vCPU/8GB/128GB	49%	60%	RAM
Cloud PC - Riley Ramirez	riley@contoso.com	4vCPU/16GB/512GB	4vCPU/8GB/128GB	34%	59%	RAM
Cloud PC - Sydney Mattos	sydney@contoso.com	4vCPU/16GB/128GB	2vCPU/4GB/256GB	37%	38%	RAM
Cloud PC - Shawn Hughes	shawnh@contoso.com	4vCPU/16GB/128GB	2vCPU/4GB/128GB	51%	37%	CPU, RAM
Cloud PC - Taylor Phillips	taylorp@contoso.com	4vCPU/16GB/128GB	2vCPU/8GB/128GB	60%	61%	CPU, RAM
Cloud PC - Tomas Richards	tomasr@contoso.com	8vCPU/32GB/256GB	4vCPU/16GB/512GB	38%	47%	CPU, RAM

Q&A

Thank you!