
IGEL
DISRUPT 24
The EUC Event for Now & Next


IGEL
Microsoft

New needs for IT infrastructure include:

Easier manageability

- Organizations are looking to reduce IT costs and complexity, including for remote/ contract workers
- Consumption-based cloud services means you pay for what you need

Greater compute power

- Increasing drive towards AI and larger data sets require greater compute and storage needs
- Flexibility to consume what you need – and the ability to ramp up and down as needed – allows organizations to adapt

Business continuity

- When properly configured, a cloud-centric approach can result in easier backup and quicker recovery time
- Security and business resiliency are top priorities

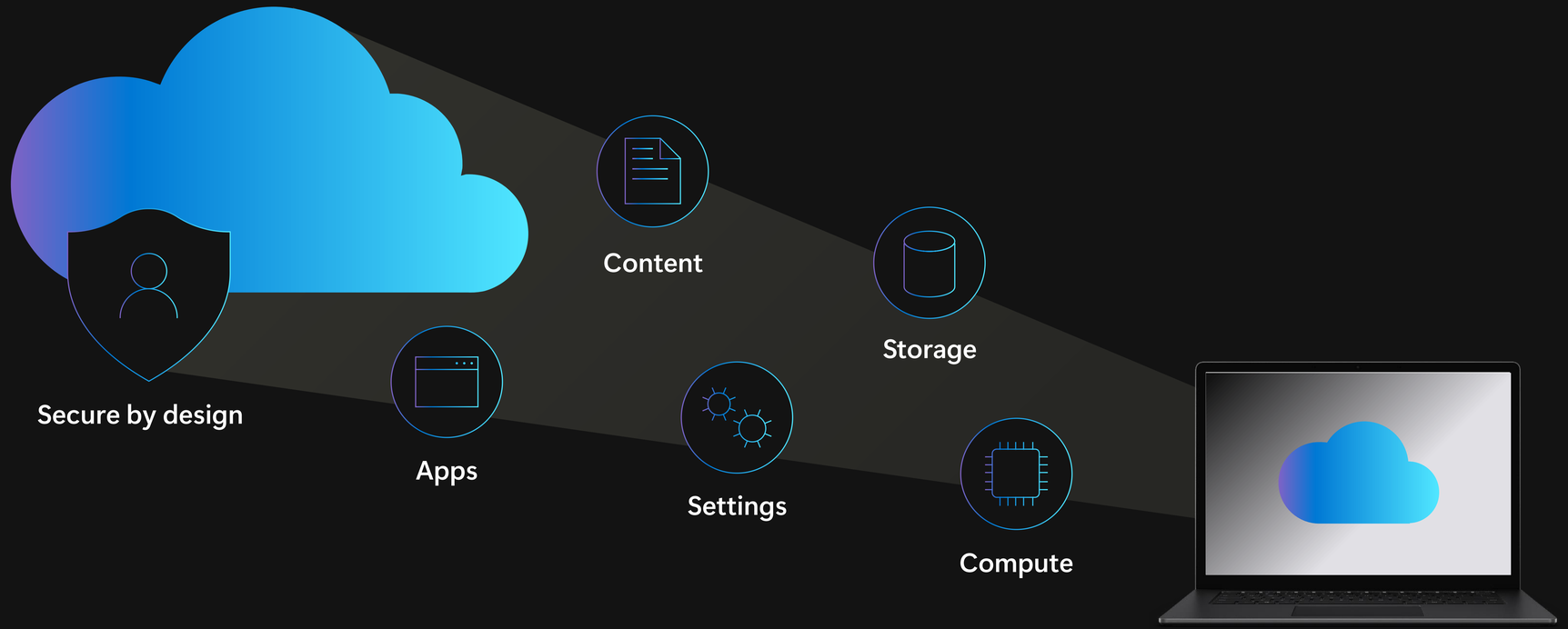
How can you have the right IT strategy to weather change?

By ensuring your IT infrastructure meets your needs today, and by proactively planning for the future.



Cloud PC category

A new solution for today's flexible work needs

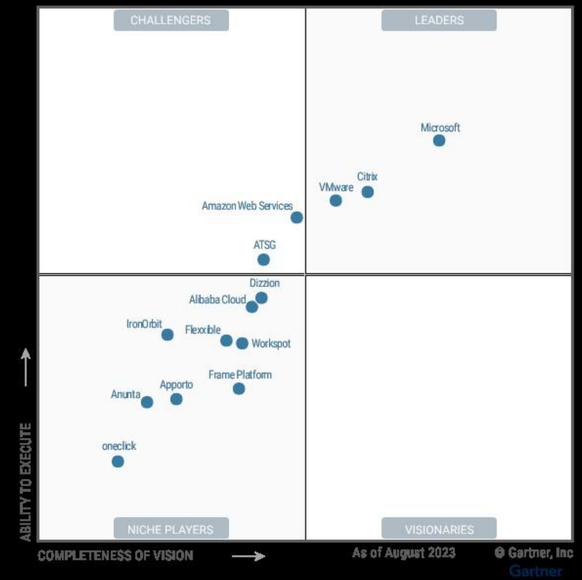


Gartner Magic Quadrant for DaaS

Microsoft has been named a Leader in the inaugural 2023 Gartner® Magic Quadrant™ for Desktop as a Service (DaaS)

Windows 365 and Azure Virtual Desktop provide a full range of solutions to enable flexible and secure work

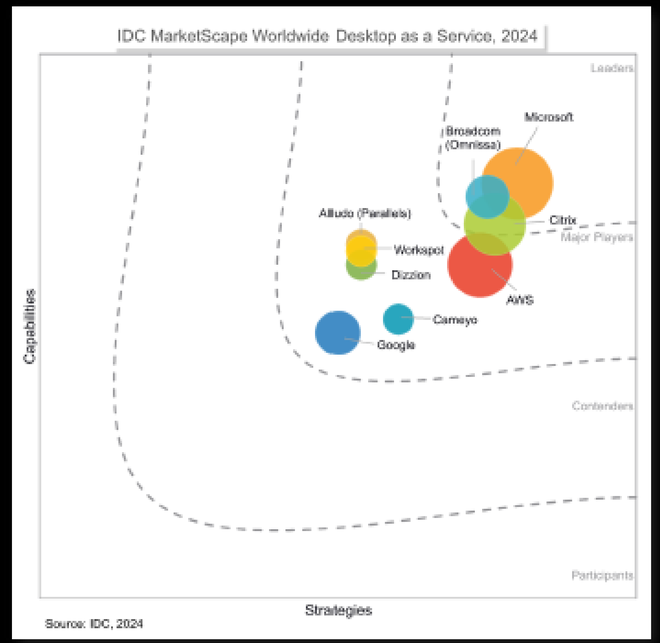
- Ability to integrate across Windows, Microsoft Intune, Microsoft 365, and Azure
- Built-in security, dynamic policy engines, and compliance.
- Predict, control, and lower costs while providing employees simple, personalized access to their familiar Windows environment.



Read the blog and full report at:
https://aka.ms/2023GartnerMagicQuadrantforDAAS

Gartner, Magic Quadrant for Desktop as a Service, Stuart Downes, Craig Fisler, Sunil Kumar, Eri Hariu, Mark Margevicius, Tony Harvey, 5 September 2023. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally, and MAGIC QUADRANT is a registered trademark of Gartner, Inc. and/or its affiliates and are used herein with permission. All rights reserved. Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose. This graphic was published by Gartner, Inc. as part of a larger research document and should be evaluated in the context of the entire document. The Gartner document is available upon request from Microsoft.

Microsoft positioned as a Leader in 2024 IDC MarketScape for Worldwide Desktop as a Service



"Customers consistently commented that a W365 instance is functionally identical to an instance running on a physical endpoint."

"It allows for the rapid provisioning of templated desktop designs with regular, stable, and projectable costs."

"Microsoft, through both its position as the developer of Windows and its long history in the market, has a broad and deep ecosystem of both relationships and technology related to virtualization."

"In the last cycle, Microsoft has greatly increased its accessibility and manageability through APIs for access through infrastructure-as-code tools."

Source: IDC MarketScape: Worldwide Desktop as a Service 2024 Vendor Assessment, By: Shannon Kalvar, June 2024, IDC #US51272024

IDC MarketScape vendor analysis model is designed to provide an overview of the competitive fitness of ICT suppliers in a given market. The research methodology utilizes a rigorous scoring methodology based on both qualitative and quantitative criteria that results in a single graphical illustration of each vendor's position within a given market. The Capabilities score measures vendor product, go-to-market and business execution in the short-term. The Strategy score measures alignment of vendor strategies with customer requirements in a 3-5-year timeframe. Vendor market share is represented by the size of the circles. Vendor year-over-year growth rate relative to the given market is indicated by a plus, neutral or minus next to the vendor name.

Platforms for innovation:
Windows 365 and Azure Virtual Desktop

Customers are embracing Azure Virtual Desktop and Windows 365

Azure Virtual Desktop

A cloud virtual desktop infrastructure (VDI) platform that delivers hosted desktops and apps with maximum flexibility and control

Windows 365

A complete Software as a Service (SaaS) solution that securely streams your personalized Windows desktop, apps, settings, and content from the Microsoft Cloud to any device

	Optimized for flexibility and control	Optimized for simplicity and experience
OS support	Windows 11, Windows 10, single- or multi-session, Windows Server	Windows 11 or Windows 10
Admin	• Azure Portal • Omnissa or Citrix management panel	• Microsoft Intune (Enterprise) • Web self-service (Business)
Service	PaaS: Granular controls over configuration and management	SaaS: Complete end-to-end Microsoft service
Pricing	Consumption-based pricing	Predictable per-user, per-month pricing
Scale	Unlimited based on consumption	Unlimited based on subscription
End-user	Single or multi-user, pooled, remote app	Full Windows like-local experience



What’s new in Azure Virtual Desktop

Azure Virtual Desktop
Recent feature releases

Configurability

- Host pool deployment support for Azure availability zones
- Multimedia redirection – Video playback redirection
- Access OneDrive for Business files with RemoteApp (in preview)
- Calling redirection via MMR for telephony
- New app attach features
- Azure Virtual Desktop for Azure Stack HCI
- New Microsoft Teams with integrated VDI optimizations (slimcore) for Azure Virtual Desktop
- Symmetric NAT support (TURN UDP) for shortpath

Security

- RDP shortpath for public networks
- Single sign-on (SSO) and password-less authentication
- Confidential Virtual Machine
- Azure Private Link
- Applying a watermark on session
- Microsoft Purview Endpoint DLP and tamper protection support
- Administrators can control one-way clipboard redirection
- Ability to apply policy to require 15-minute sign-in frequency (public preview)
- Intune MAM support for iOS & Android (public preview)

Management

- Intune user configuration for Windows 11 multi-session
- Azure Extended Zone support (public preview)
- Personal Desktop Autoscale on Azure Virtual Desktop
- Windows App, new unified client
- Autoscale and start VM on Connect for HCI (public preview)
- Azure Virtual Desktop ADMX available in Microsoft Intune administrative templates and Settings Catalog
- Custom image templates
- Ability for administrators to invoke stop, start, and restart actions from admin portal

Azure Virtual Desktop for Azure Stack HCI

Generally available

- 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 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**



Azure Virtual Desktop App attach

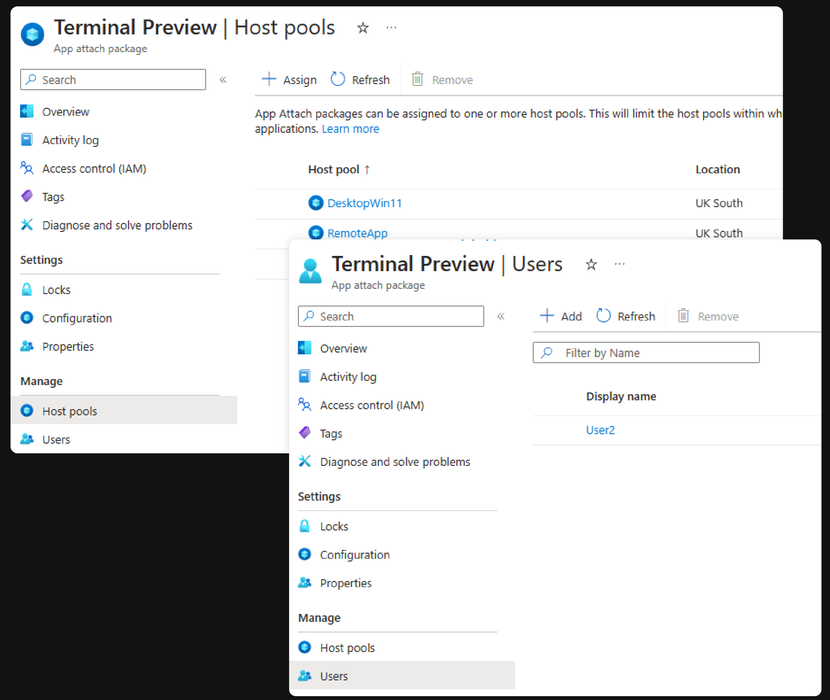
Generally available

Applications can be assigned to any host pool within a region, including desktop and RemoteApp sessions.

Users in any host pool can have unique application combinations without requiring a maintenance window or session interruption, thus helping separate the application lifecycle from image lifecycle, resulting in fewer gold images.

Steps to configure:

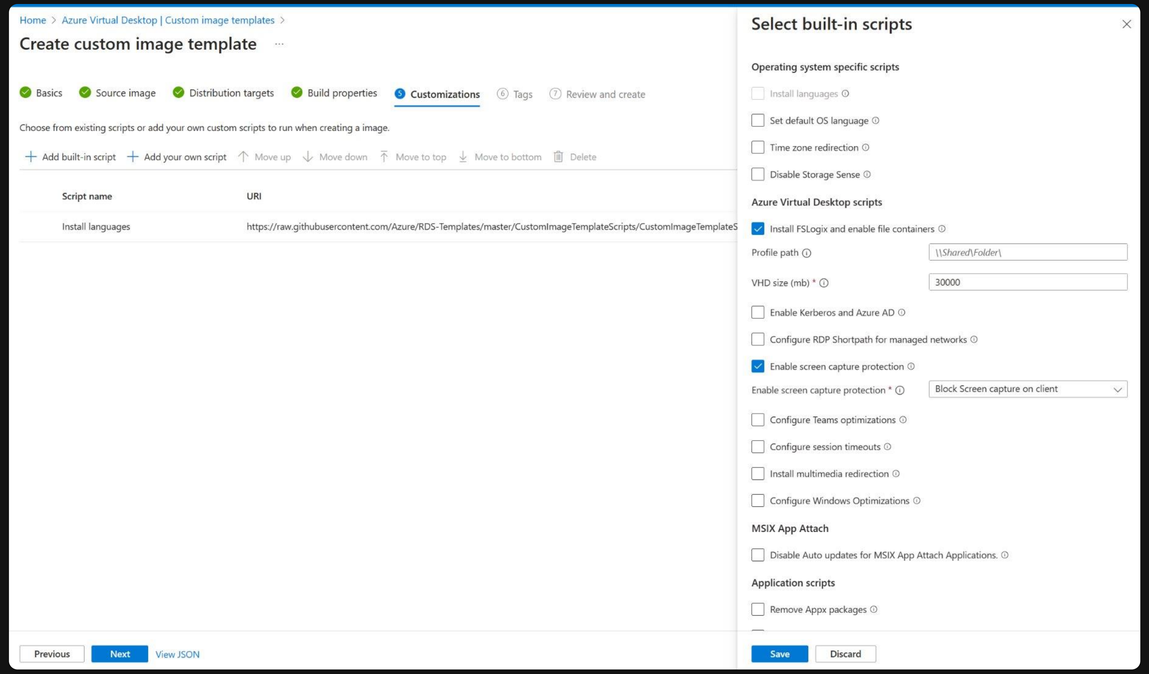
- Expand your MSIX package to disk image
- Import to Azure Virtual Desktop
- Assign to users and host pools



Custom image templates

Generally available

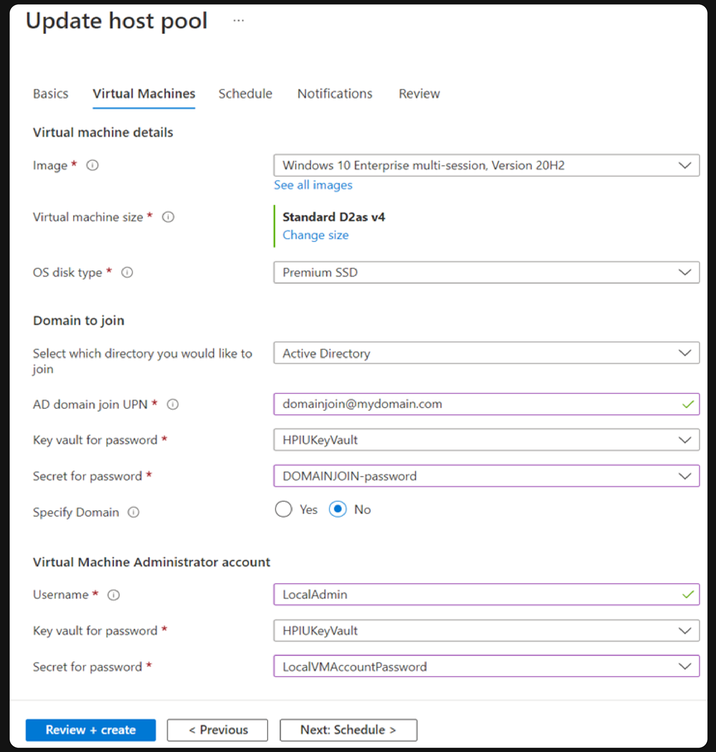
- **GUI based creation of golden image –** Simplifies image templates with Azure Virtual Desktop-tailored build in scripts.
- **Utilizes Azure Image Builder for image creation –** Create your golden image conveniently from the Azure Virtual Desktop GUI.
- **Deploy image in host pool creation flow –**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



Session Host update

Generally available

- **Session Host update -** Provides a guided and orchestrated experience to update existing Host Pools
- **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



What’s next for Azure Virtual Desktop

	Azure Virtual Desktop
Seamless user experience	Windows App enhancements
Easy manageability	Application management
Better security and reliability	Host-pool access controls based on user context
Deployment flexibility	Azure Virtual Desktop for Azure Stack HCI updates

What’s new in Windows 365

Windows 365
Recent feature releases

Configurability

- Utilization insight reports (preview)
- Resize supports for group-based licenses (preview)
- Windows 365 GPU
- Ability to move a Cloud PC to a new virtual network or region
- User-driven Cloud PC reset
- Bulk action reporting (public preview)
- Cross region disaster recovery in Windows 365
- New Microsoft Teams with integrated VDI optimizations (slimcore)

Security

- Single Sign-On and passwordless authentication
- Disk encryption with Microsoft Purview Customer Key (preview)
- Windows 365 Customer Lockbox
- Screen capture protection
- Watermarking on sessions
- Microsoft Purview Endpoint DLP and tamper protection support
- Administrator can control one-way clipboard redirection
- Support for Purview Customer Key
- Intune RBAC support for Scope Tags

Management

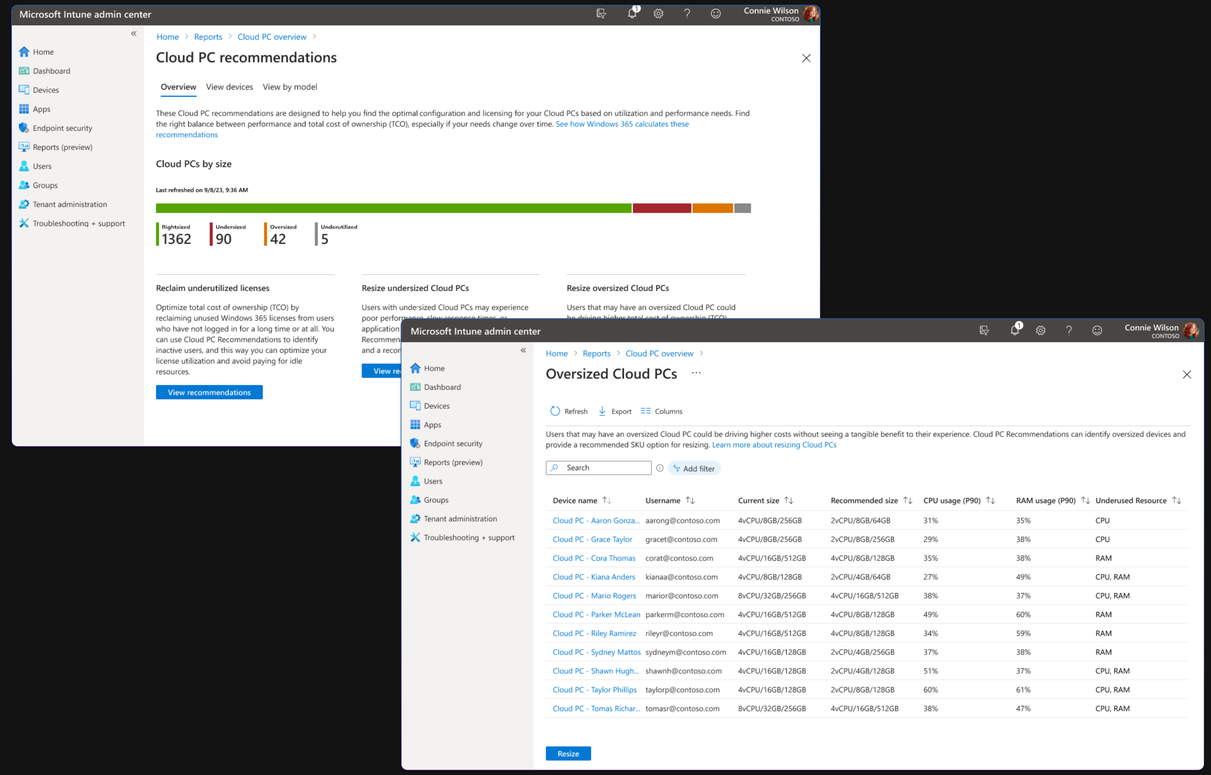
- Custom names template for Cloud PC as part of Provisioning Policy
- New setting to allow users to reprovision their own Cloud PC
- Windows 365 Boot and Windows 365 Switch enhancements
- Windows App, new unified client (preview)
- Windows App web client HW decoding
- Support for UDP TURN connectivity
- Intune MAM support for Windows App (preview)
- Cloud PC recommendation reports
- Omnissa, Teradici, Citrix integration

Windows 365 AI-powered management

Generally available

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



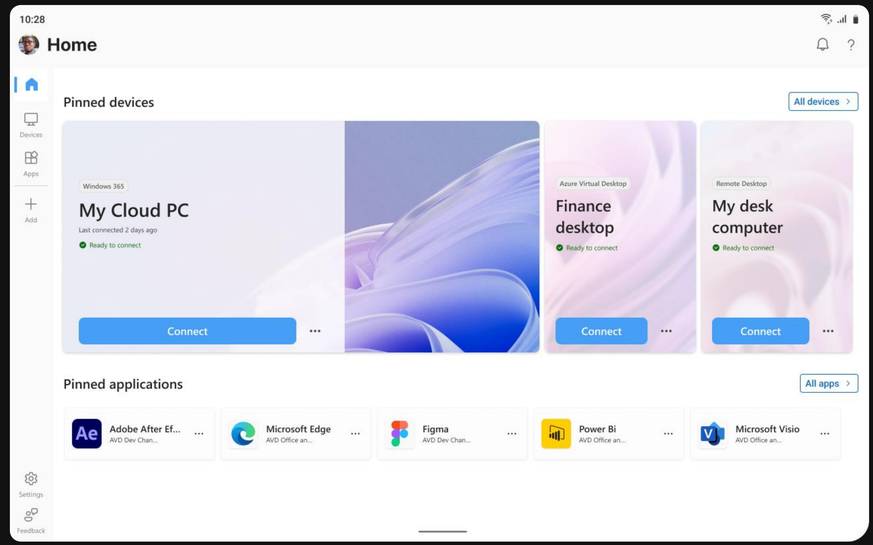
Access from anywhere with Windows App

General availability coming soon

One client to connect to

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

12.4M ACTIVE HOURS in last 28 days!



Windows 365

Azure Virtual Desktop

Remote Desktop

Remote Desktop Services

Windows 365 Cross-region Disaster Recovery

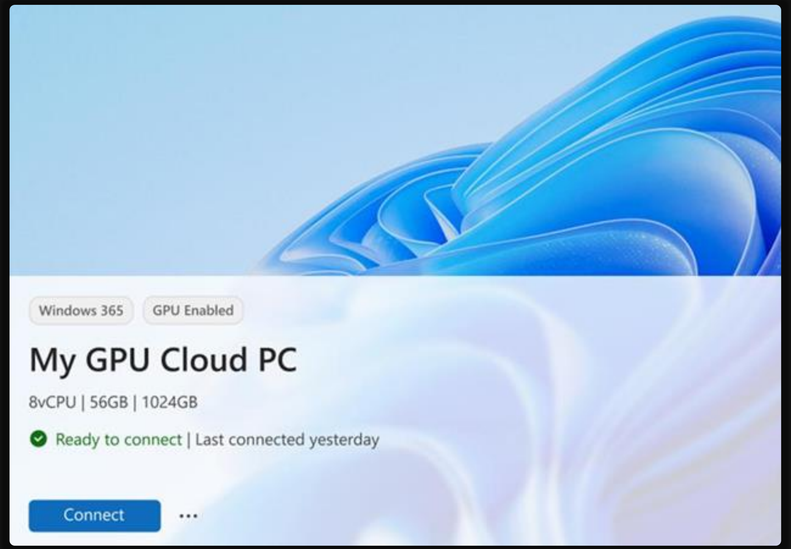
Generally available

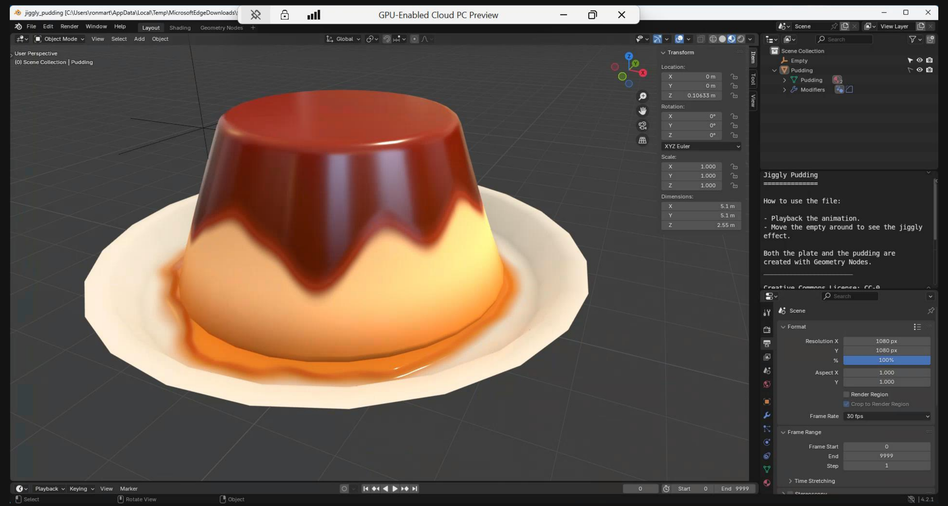
- **Protect against regional outages** – Create geographically distant temporary copies of Cloud PCs that can be accessed in the selected backup region .
- **Recover your Cloud PC "snapshot"** – Help ensure business continuity and respond quickly, even during challenging scenarios .
- **Configured to your needs** – Customize your recovery plan and integrate the feature into your existing reports and workflows.
- **Optional feature** – Requires a Windows 365 Cross-region Disaster Recovery license



Windows 365 GPU-enabled Cloud PCs

Generally available



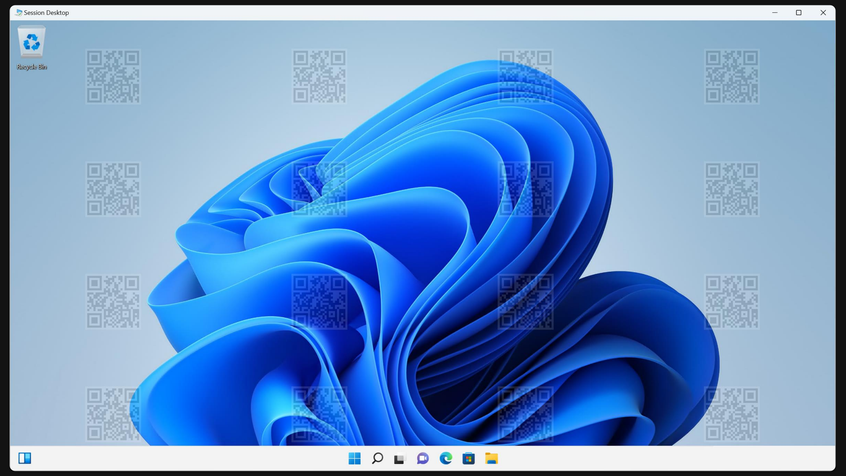


Windows data protection

Generally available

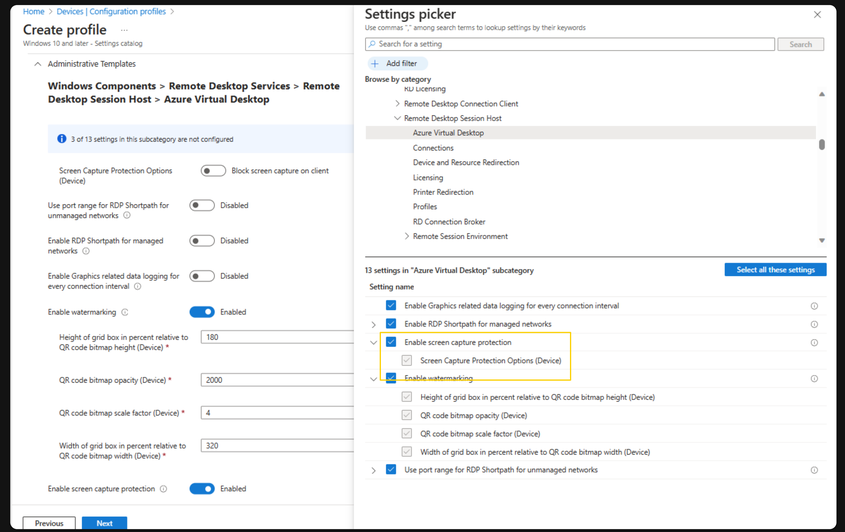
Watermarking

Add a traceable watermark to Cloud PCs



Screen capture protection

Block/hide remote content in screenshots and screen sharing



Windows 365 Enterprise: Versatile options to meet your needs

Access from a variety of devices and operating systems

Form factor
Desktop, laptop, tablet, and phone
Platform
Windows, Mac, iOS, and Android

Provision with your choice of Windows

Windows 11 **Windows 10**

Choose from a range of compute and storage configurations, each offered at a predictable monthly per-user price.

GPU	16vCPU	8vCPU	4vCPU	2vCPU
Standard [1]	64GB / 512GB	32GB / 128GB	16GB / 128GB	4GB / 64GB
Super [2]	64GB / 1TB	32GB / 256GB	16GB / 256GB	4GB / 128GB
Max [3]		32GB / 512GB	16GB / 512GB	4GB / 256GB
				8GB / 128GB
				8GB / 256GB

[1] Minimum specifications for primary drive: 4vCPU / 16GB / 8GB vRAM / 512 GB primary storage / 176GB temporary storage
[2] Minimum specifications for primary drive: 8vCPU / 56GB / 12GB vRAM / 1TB primary storage /352 GB temporary storage
[3] Minimum Specifications for primary drive: 16vCPU / 110GB / 16GB vRAM / 1TB primary storage / 352 GB temporary storage



IGEL

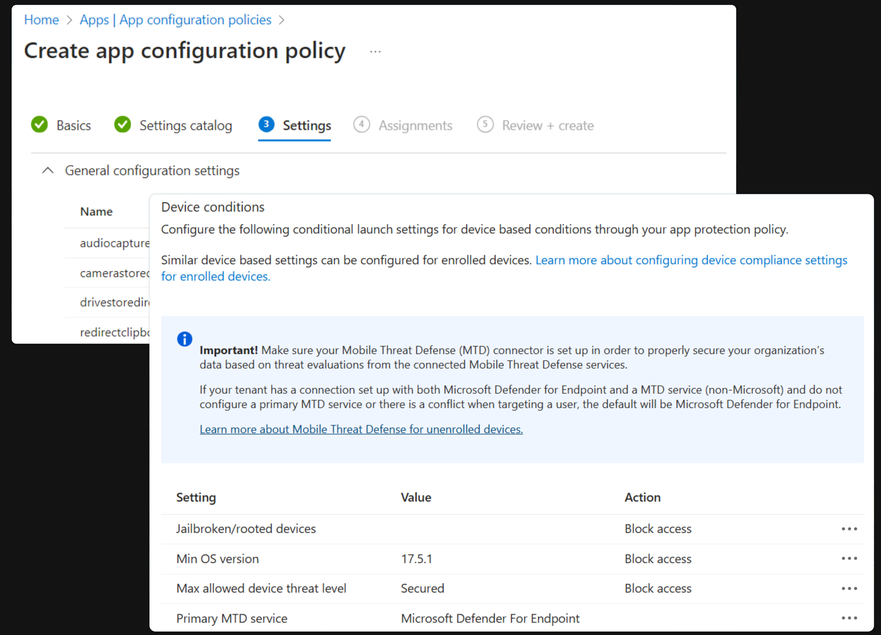
What’s next for Windows 365

	Windows 365
Seamless user experience	Windows App enhancements
Easy manageability	Intelligent configuration (AI Recommender)
Better security and reliability	Restrict redirections for bring your own device (BYOD) using Microsoft Intune MAM
Deployment flexibility	GPU support

Secure access with Microsoft Intune Mobile Application Management (MAM)

Public preview

Mobile Application **M**anagement (MAM) for iOS and Android devices allows users to customize **device redirections and strengthen the security of the physical device** used to access Windows 365 Cloud PCs or Azure Virtual Desktop virtual machines (VMs) across environments that are unmanaged, managed by external tenants, or managed by organizations



IGEL and Microsoft: Partnering for innovation

A history of innovating and delivering value for the Linux ecosystem

Azure Virtual Desktop



Early developer of Linux Client for Azure Virtual Desktop

Windows 365

IGEL Enhances the Performance of Microsoft Teams in Microsoft Azure Virtual Desktop and Windows 365

IGEL and Microsoft co-development results in optimized Teams experience on IGEL-powered devices accessing Azure Virtual Desktop and Windows 365

Partnership in continued innovation across Azure Virtual Desktop and Windows 365

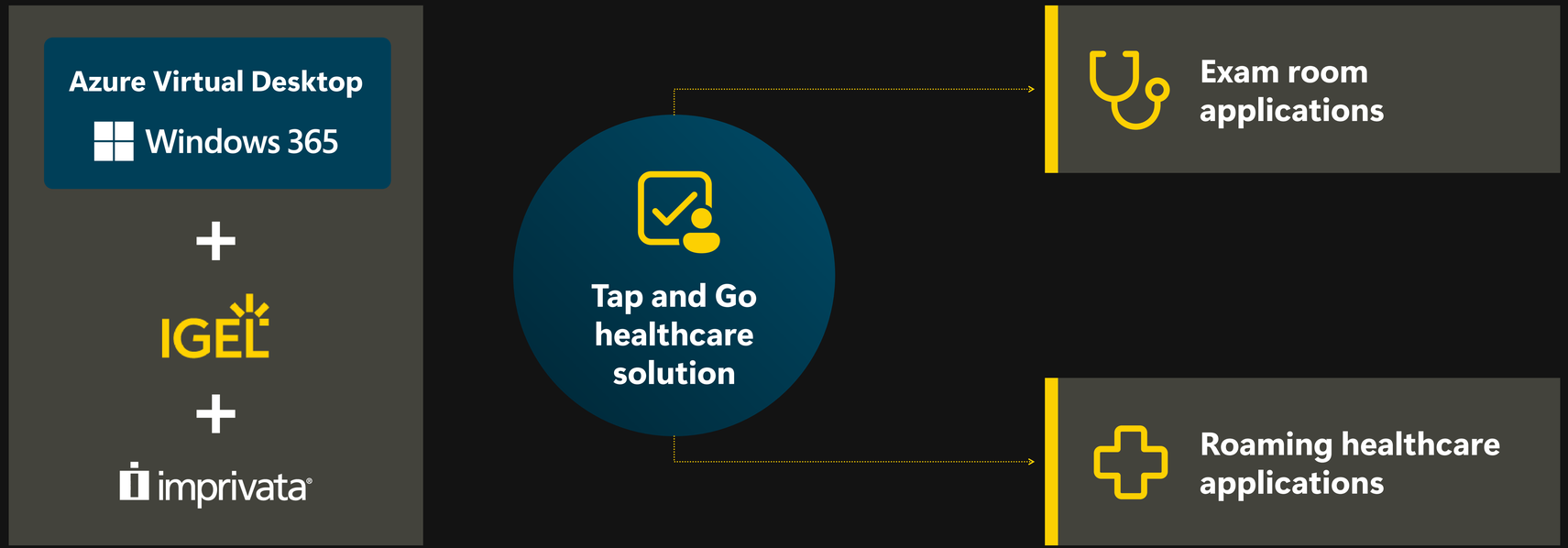
Industry verticals

Imprivata and IGEL Expand Partnership to Enable Secure, Single Sign-On Access for Microsoft Azure Virtual Desktop and Windows 365 Cloud PC

Partners have co-developed an integrated solution that delivers compliant identity access and governance from IGEL OS for Microsoft Azure-powered workspaces

Advancing the virtualization opportunity in new industries with new use cases

Spotlight:
Meeting the needs in healthcare with “Tap and Go” access



Next steps

Visit with us! Microsoft @ IGEL Disrupt

Microsoft Azure Virtual Desktop & Windows 365 Technical Bootcamp	Microsoft: Deep dive into Windows 365 & Azure Virtual Desktop	Microsoft booth
Bootcamp with Christiaan Brinkhoff **Alpsee** Day 1- 9:30am – 10:45am	Breakout session with Tom Hickling **Alpsee** Day 1 - 4:35pm – 5:20pm	Come visit us in the Expo hall!

Learn more

- Azure Virtual Desktop (aka.ms/AVD)
- Windows 365 (aka.ms/W365)


IGEL
Microsoft