



Securing the Future of Work: Windows 365 Cloud PC, Dedicated Devices, and Conditional Access

From seamless cloud integration to advanced security measures, explore the tools empowering businesses to innovate securely in an ever-evolving digital landscape.

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What is the future of work?

The future of work

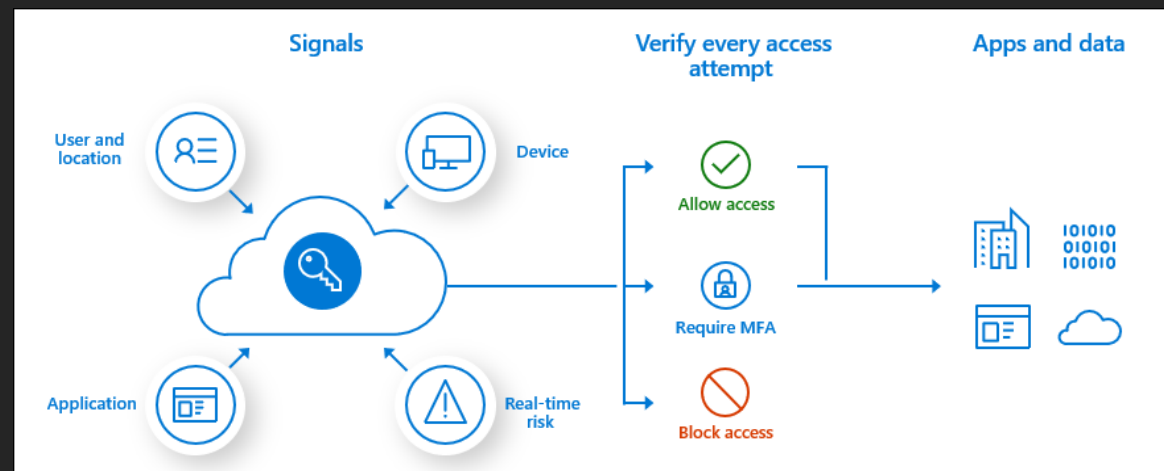
- Users not bound to a specific physical device
- OS Agnostic
- Secure access from anywhere
- Fast provisioning
- Flexibility (low-end, high-end, GPU!)
- Trusted environment



Securing the future of work?

Conditional Access

- Enables Zero Trust and Authentication method enforcement. A key to going Phish-Resistant
- Passkeys as an App or Physical key must become the new normal.



Passkey

- You should enable the use of Passkeys (Not on by default)
- Restrict to keys you know (Don't forget the WHfB AAGUIDs)

Passkey (FIDO2) settings

Passkeys are a phishing-resistant, standards-based passwordless authentication method. Passkeys are not usable in the Self-Service Password Reset flow.

Enable and Target **Configure**

GENERAL

Allow self-service set up Yes No

Enforce attestation Yes No

KEY RESTRICTION POLICY

Enforce key restrictions Yes No

Restrict specific keys Allow Block

☒ Microsoft Authenticator ⓘ

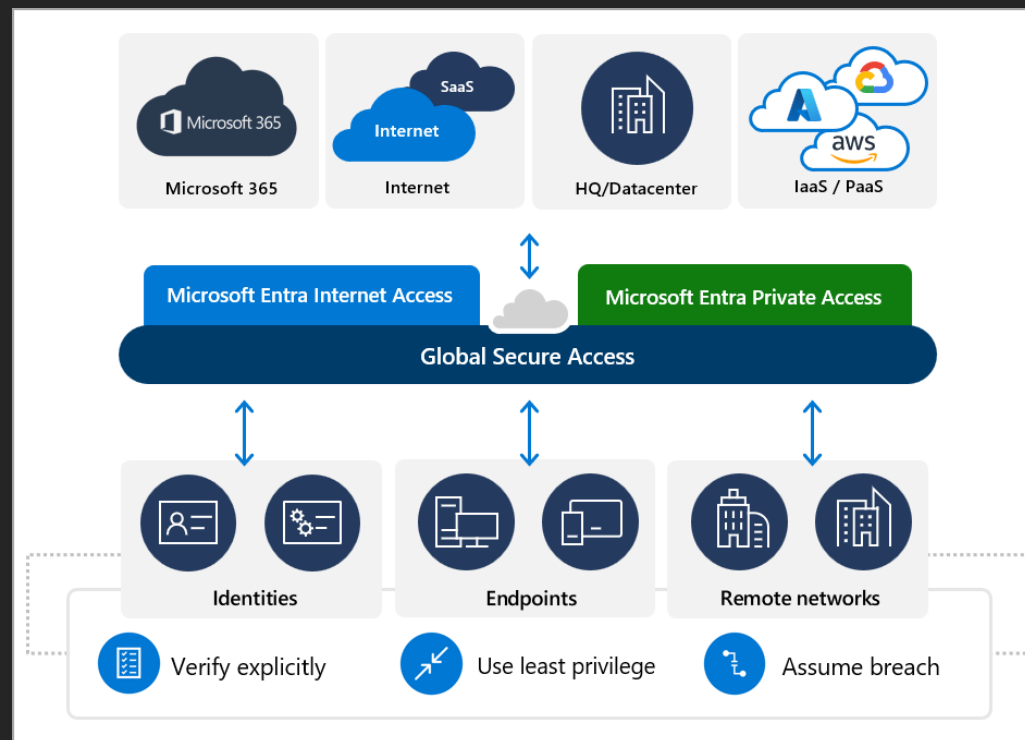
[Add AAGUID](#)

90a3ccdf-635c-4729-a248-9b709135078f
de1e552d-db1d-4423-a619-566b625cdc84
2fc0579f-8113-47ea-b116-bb5a8db9202a
08987058-cadc-4b81-b6e1-30de50dcb9e6
9ddd1817-af5a-4672-a2b9-3e3dd95000a9
6028b017-b1d4-4c02-b4b3-afcdafc96bb2
d8522d9f-575b-4866-88a9-ba99fa02f35b

Next level Conditional Access

- Adopting Zero Trust with CA for you Cloud PC
- Enforce PR Authentication Methods
 - Passkey, WHfB or certificate
- Entra Internet Access
 - Control what is accessible on the Internet
- Entra Private Access
 - Control what is accessible on-prem etc.
 - Adds conditional Access controls to all systems!

Controlled access to all resources, no matter the location.



What about when inside the CPC?

- Phish-resistant authentication within the Cloud PC
 - Sometimes SSO is not enough.
 - WebAuthN redirect to the rescue!
- If not on Windows – WebAuthN redirect will not work.
 - Use centrally managed certificates deployed to the CPC
 - OR use targeted CAP to allow for Passwordless Push
 - Allows flexible auth method downgrade
 - Isolating the cloud pc in policies.
 - Add flexibility in useable MFA methods
 - Won't work with in-private – use Profiles

What about when inside the CPC?

- Phish-r

- Some
- WebA

- If not o

- Use o
- OR u
- Al

Filter for devices

Configure a filter to apply policy to specific devices. [Learn more](#)

Configure ⓘ

Yes

No

Devices matching the rule:

☐

Include filtered devices in policy

☒

Exclude filtered devices from policy

You can use the rule builder or rule syntax text box to create or edit the filter rule.

And/Or	Property	Operator	Value
	displayName	Starts with	CPC-
And	trustType	Equals	Microsoft Entra joined

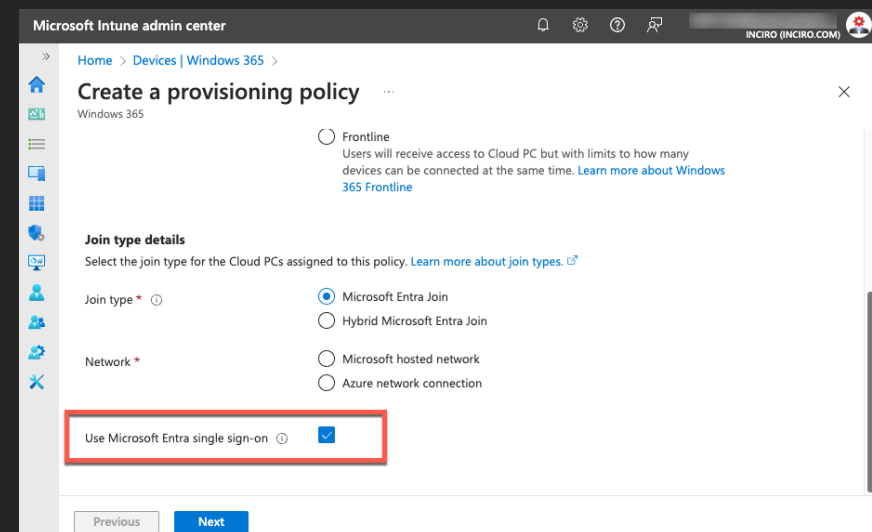
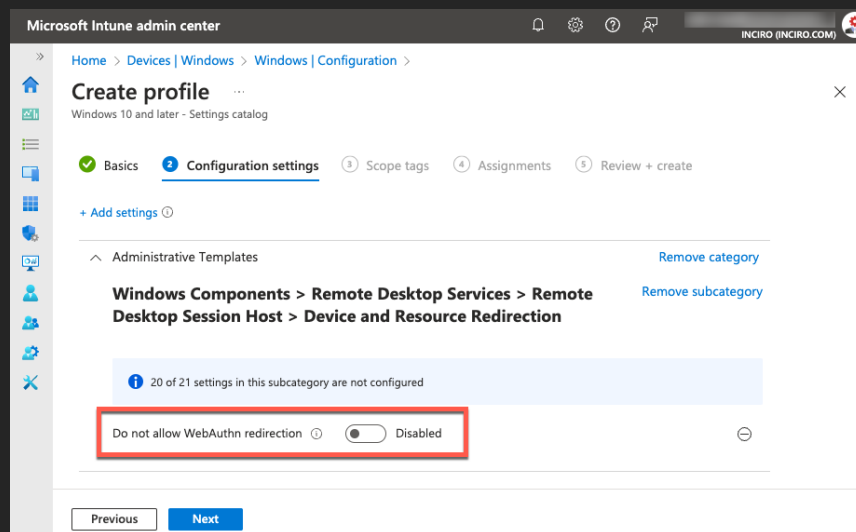
[+ Add expression](#)

Rule syntax ⓘ

```
device.displayName -startsWith "CPC-" -and device.trustType -eq "AzureAD"
```

Enable WebAuthN redirect and SSO

- WebAuthN redirect requirements:
 - Client and Cloud PC running either:
 - Windows 11 Enterprise with the 2022-10 CU or later.
 - Windows 10 Enterprise 20H2 or later with 2022-10 CU or later.



DEMO - Windows 365

Let's see the WebAuthN redirection in action.



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Skyet





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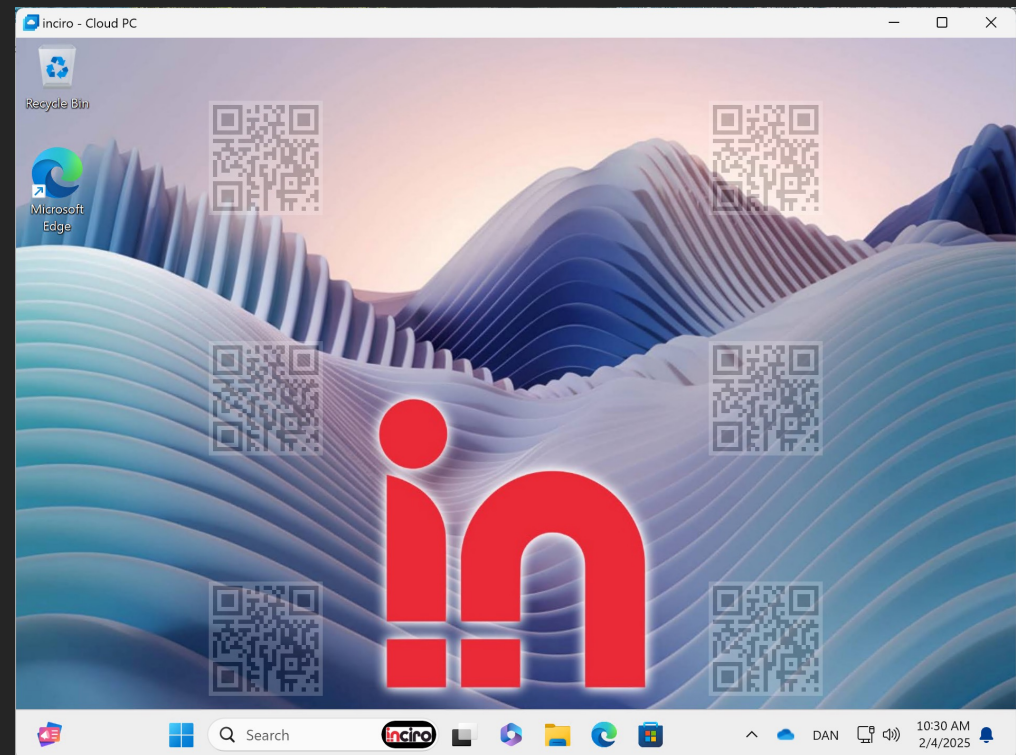
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What about the physical device?

Corporate? Personal? What do we do doo doo doo doo do?

Windows 365 Enhanced Security

- Device Redirection
- Screen Capture Protection
- Watermarking
- Untrusted physical devices
 - Mobile Application Management (MAM)



Windows 365 Link

- Announced at Ignite 2024
- Stream Windows Cloud experience
- Created with security in mind
- Simple to setup and manage



Q and A time

Some topics we covered:

- Phish-resistant MFA
- Conditional Access
- Entra Private Access
- WebAuthN redirect
- Windows App Enhanced Security
- Windows 365 Link

