Conditional Access in Zeiten von Global Secure Access

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Focus

Identity + Security
in Microsoft Cloud

From

Hamburg, Germany

My Blog

chris-brumm.com

Certs and Titles

CISSP, MVP Identity & Access,
various MS certs

Hobbies

Family, Traveling, Pen & Paper
RPG

Contact

/christopherbrumm

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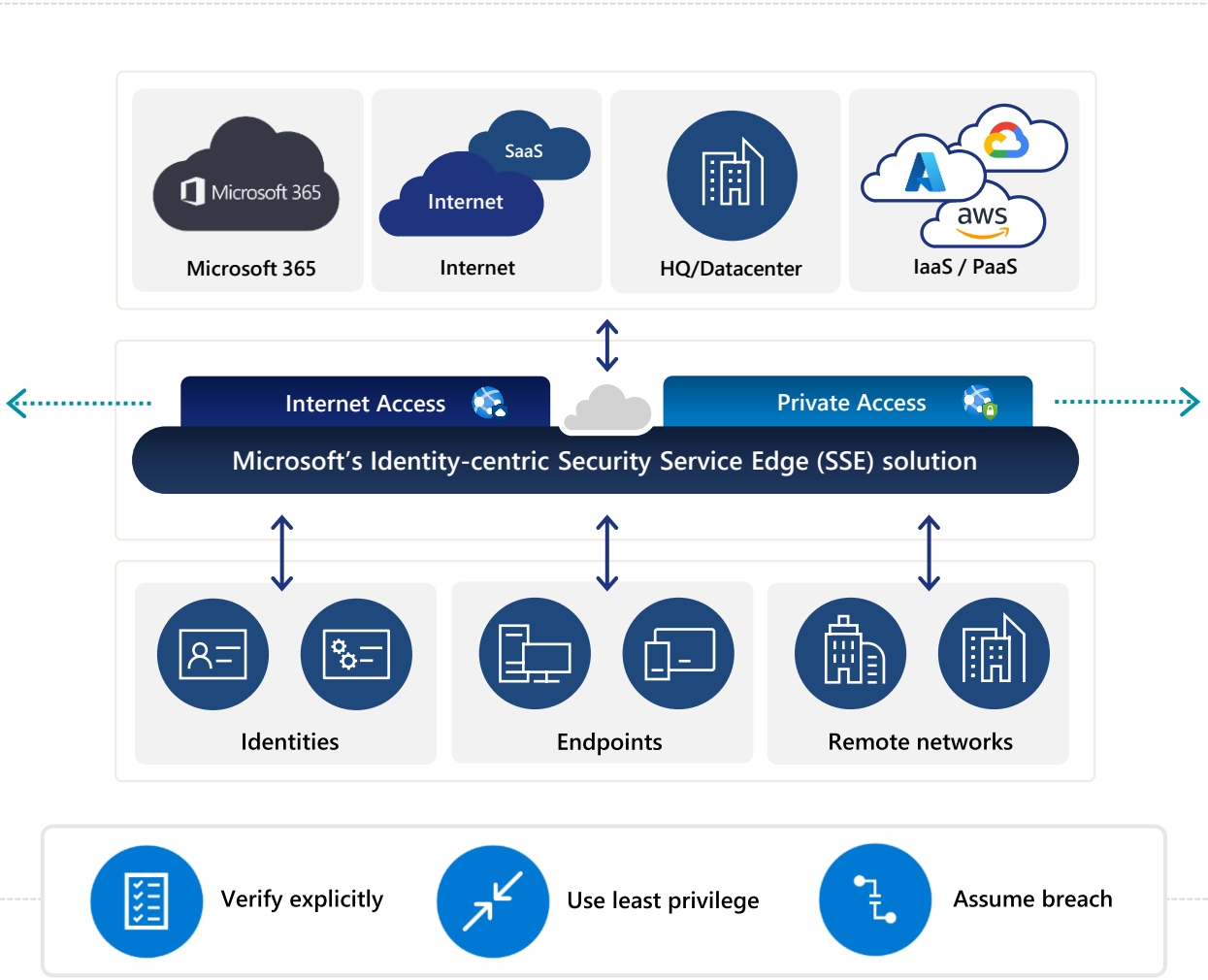
Microsoft's Identity-centric SSE solution

Microsoft Entra Internet Access

Secure access to all internet, SaaS, and Microsoft 365 apps and protect against malicious internet traffic with an **identity-centric Secure Web Gateway (SWG).**

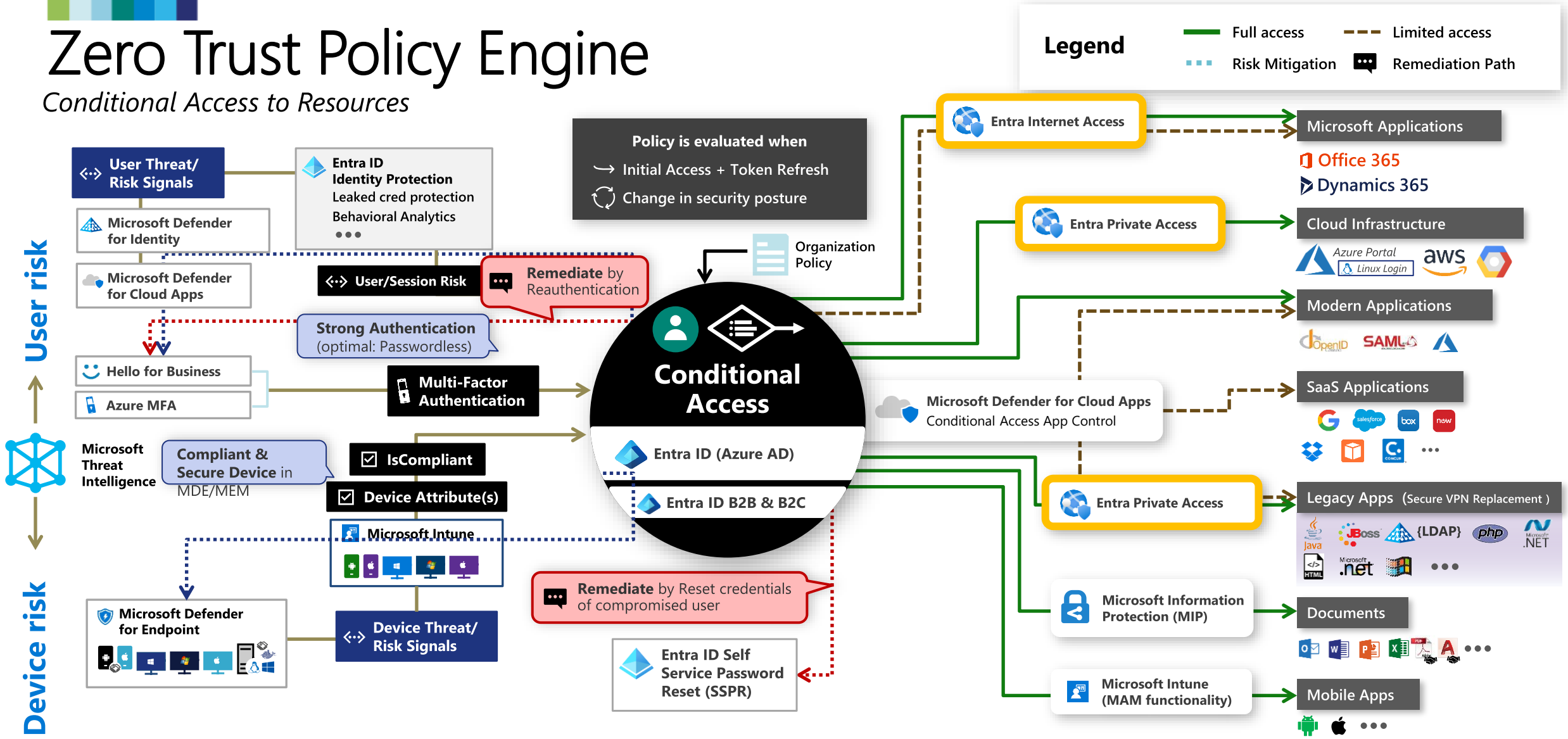


Microsoft Entra Private Access

Secure access to all private apps and resources, for users anywhere, with an **identity-centric Zero Trust Network Access (ZTNA).**

Zero Trust Policy Engine

Conditional Access to Resources



Signal
to make an informed decision

Decision
based on organizational policy

Enforcement
of policy across resources

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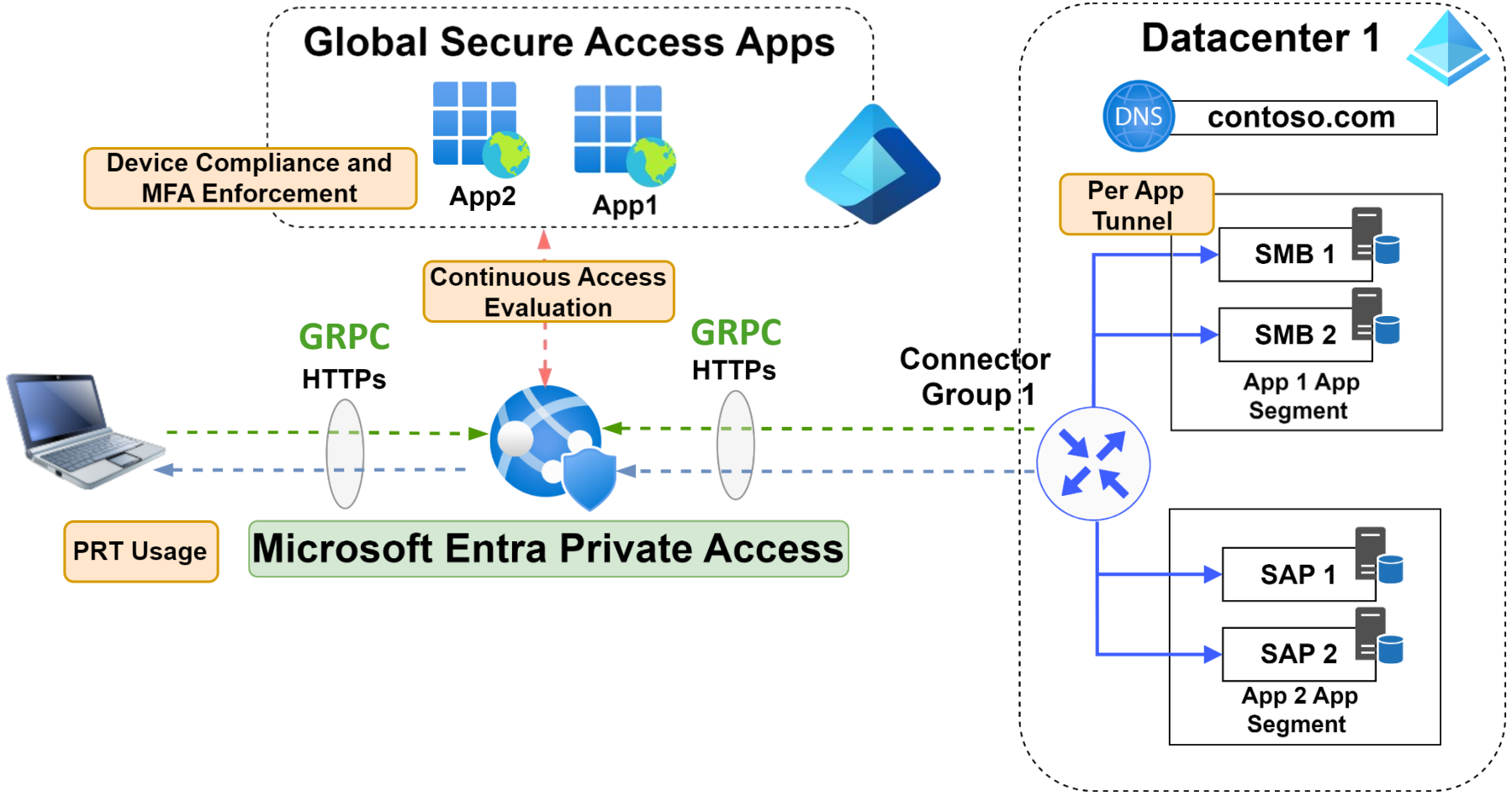
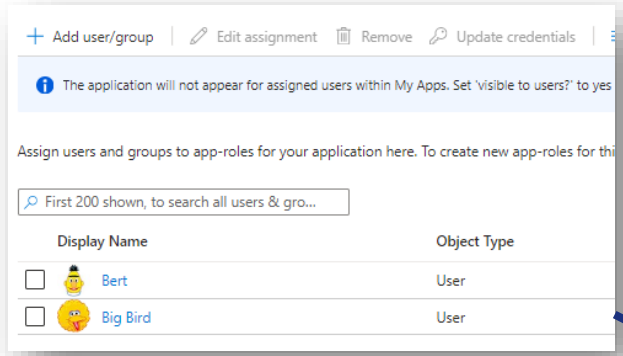
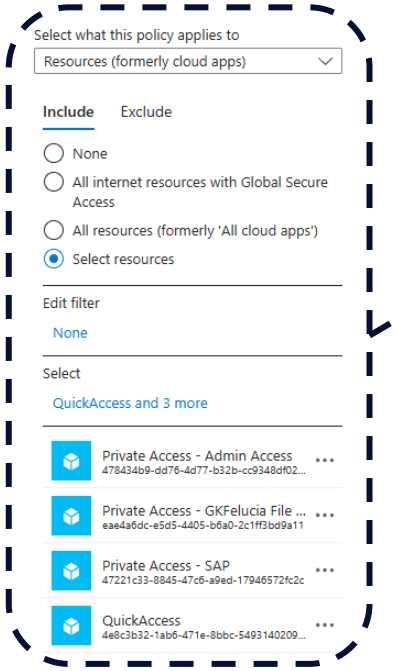
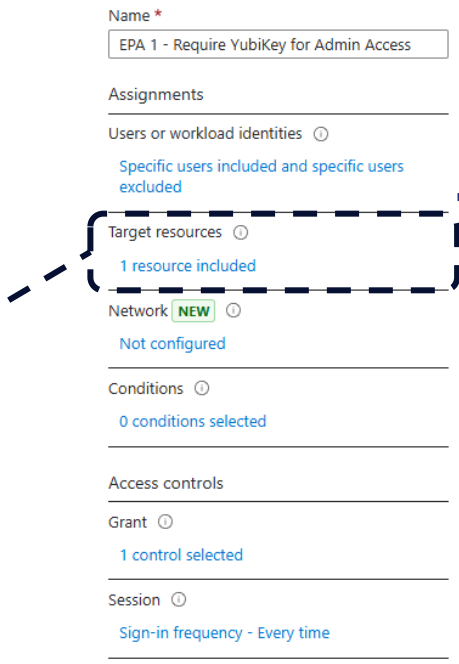
Entra Private Access

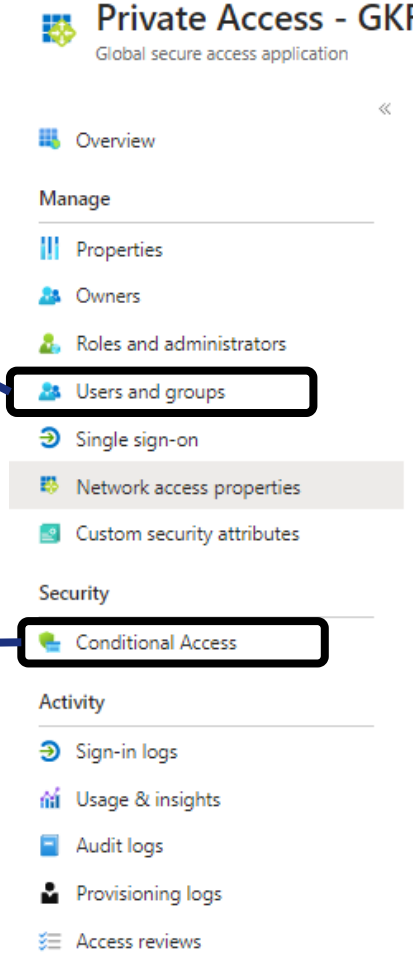


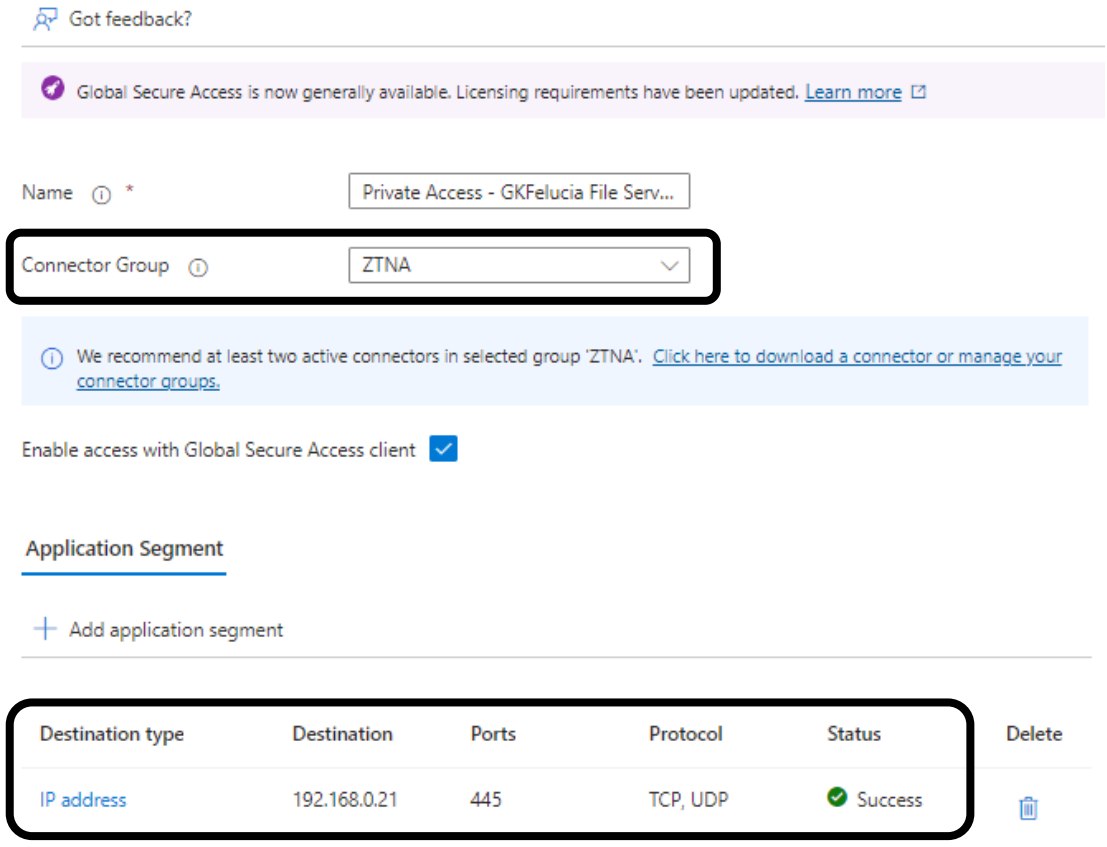
Entra Private Access App – Portal View











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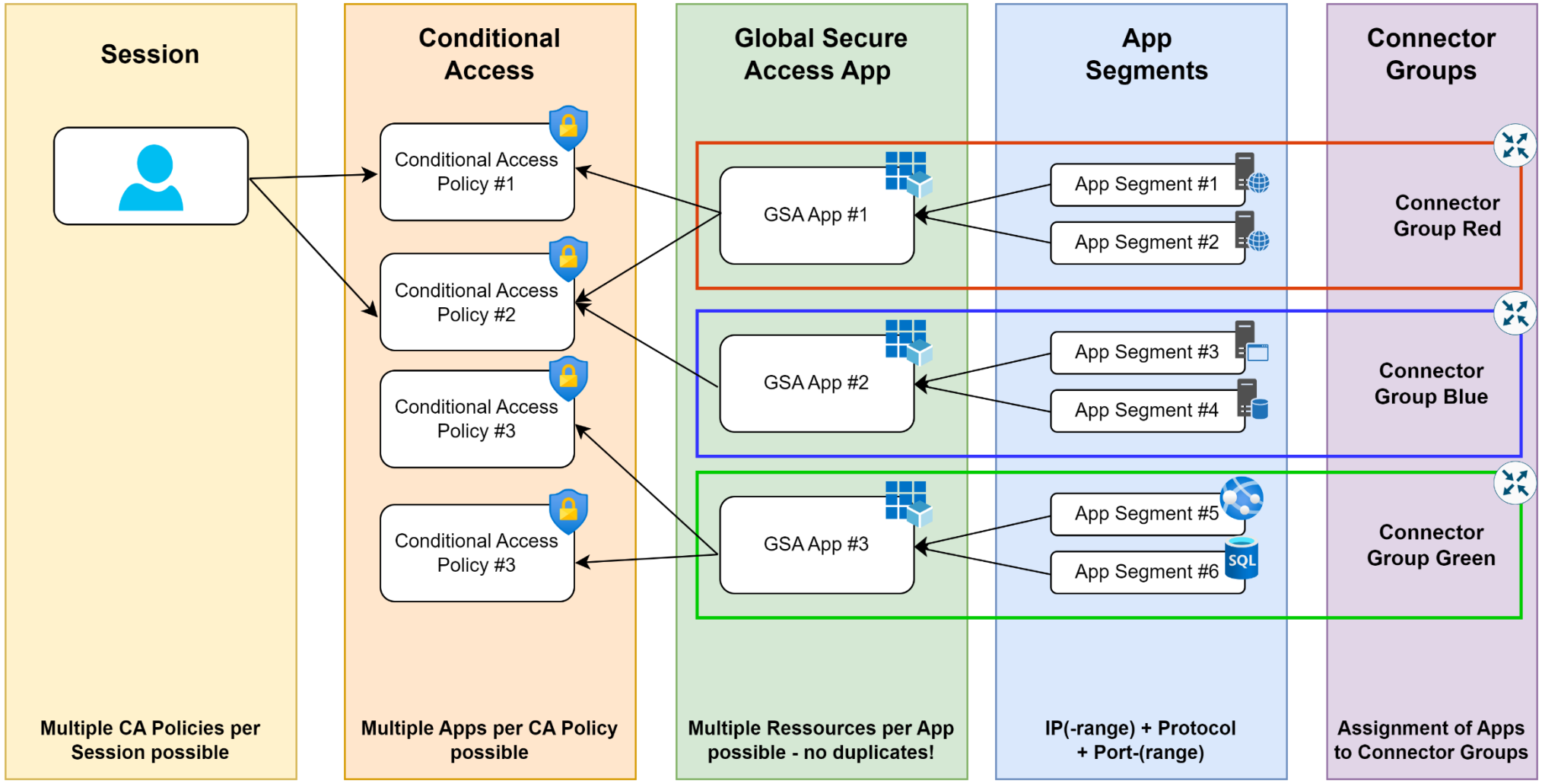
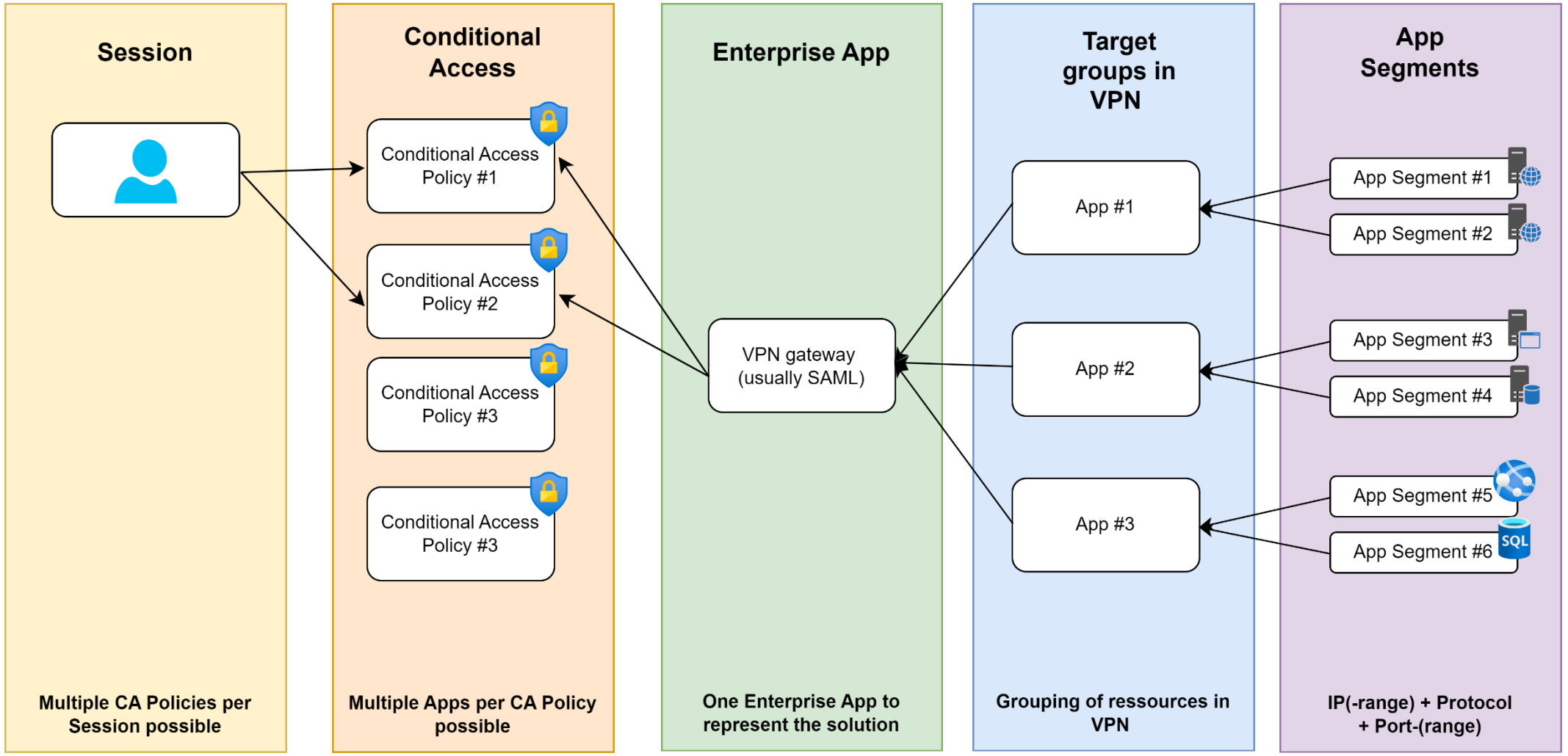
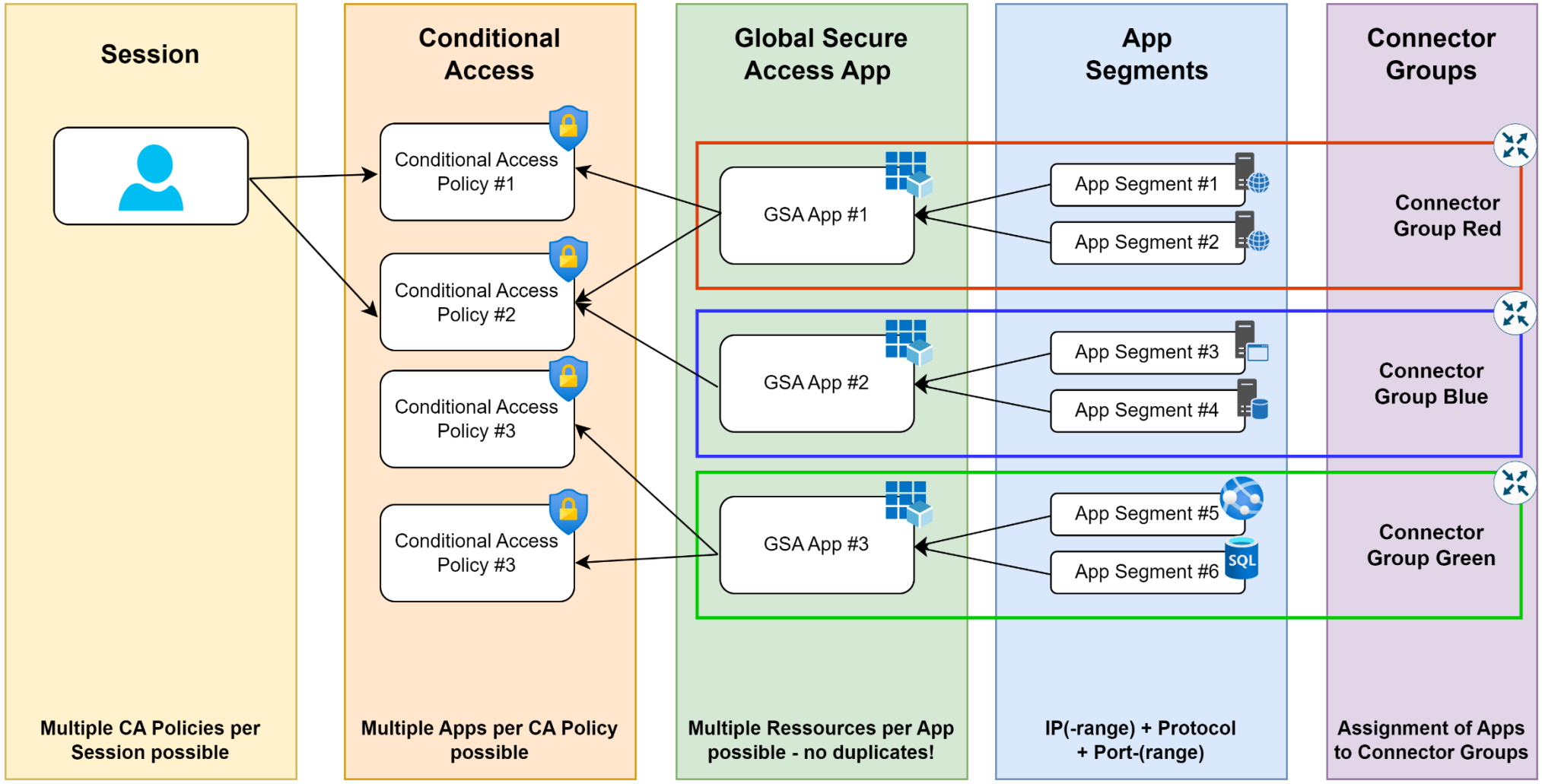
EPA Conditional Access Integration



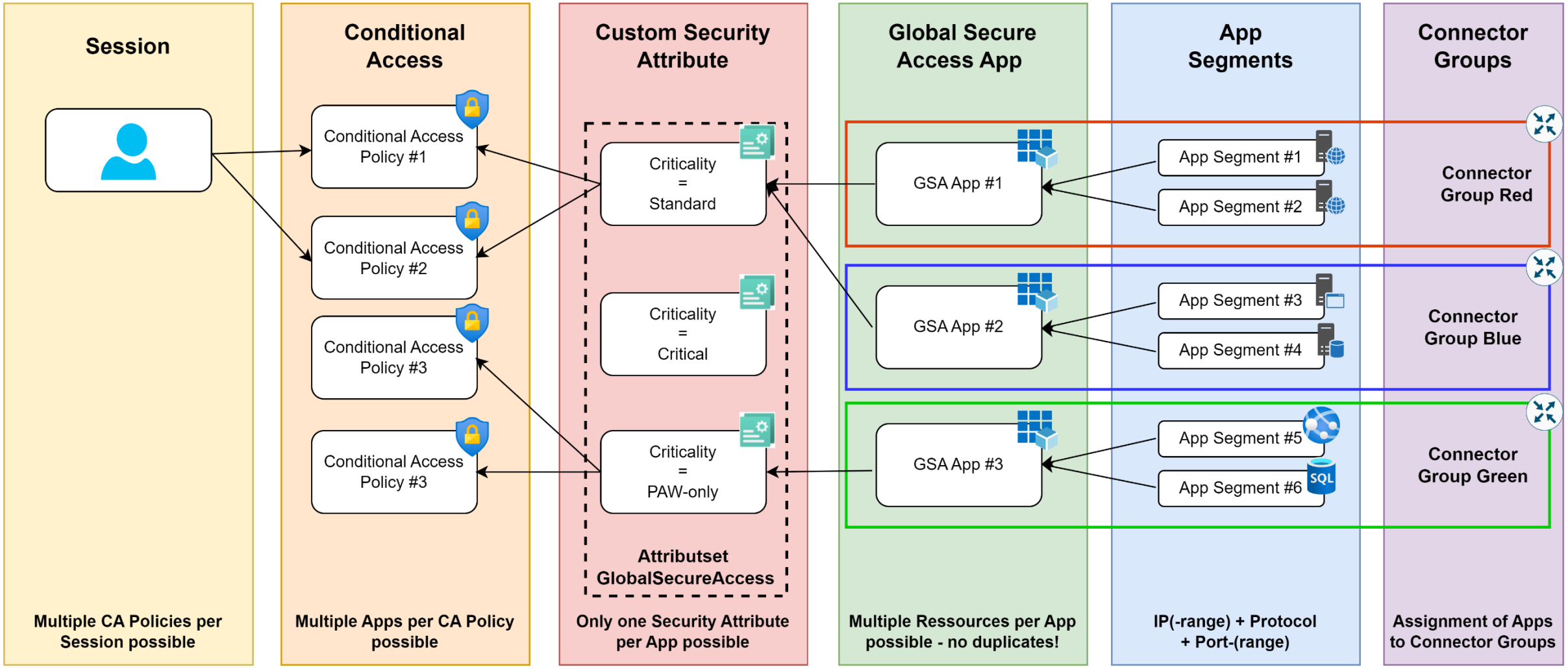
Conditional Access Integration for VPN



GSA Conditional Access Integration



Custom Security Attribute Extension



Step-up auth for specific app segments

Home > Conditional Access | Policies >

EPA 1 - Require YubiKey for Admin Access

Conditional Access policy

Delete | View policy information

Control access based on Conditional Access policy to bring signals together, to make decisions, and enforce organizational policies. Learn more

Name *

EPA 1 - Require YubiKey for Admin Access

Assignments

Users or workload identities

Specific users included and specific users excluded

Target resources

1 app included

Network NEW

Not configured

Conditions

0 conditions selected

Access controls

Grant

1 control selected

Session

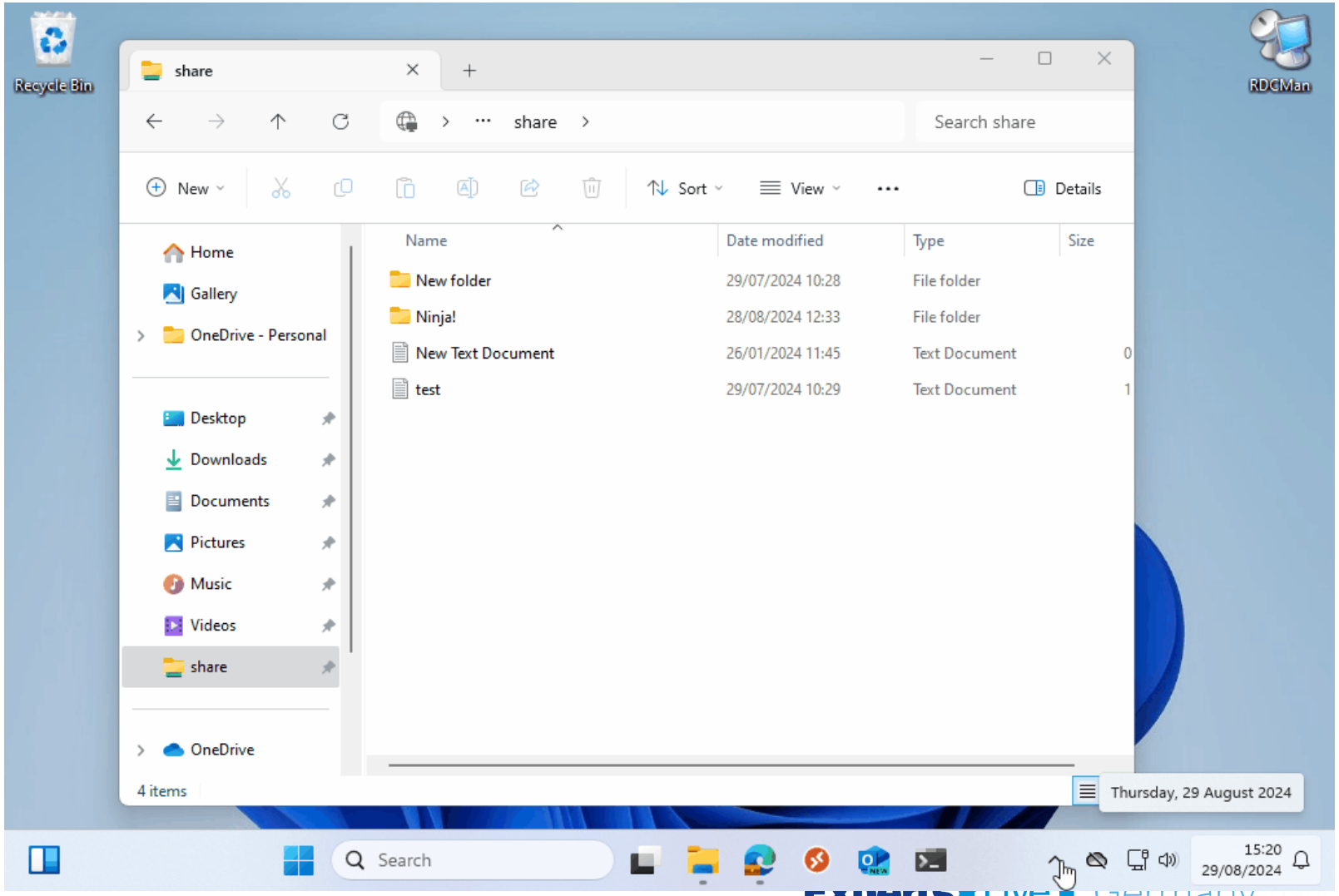
Sign-in frequency - Every time

Grant

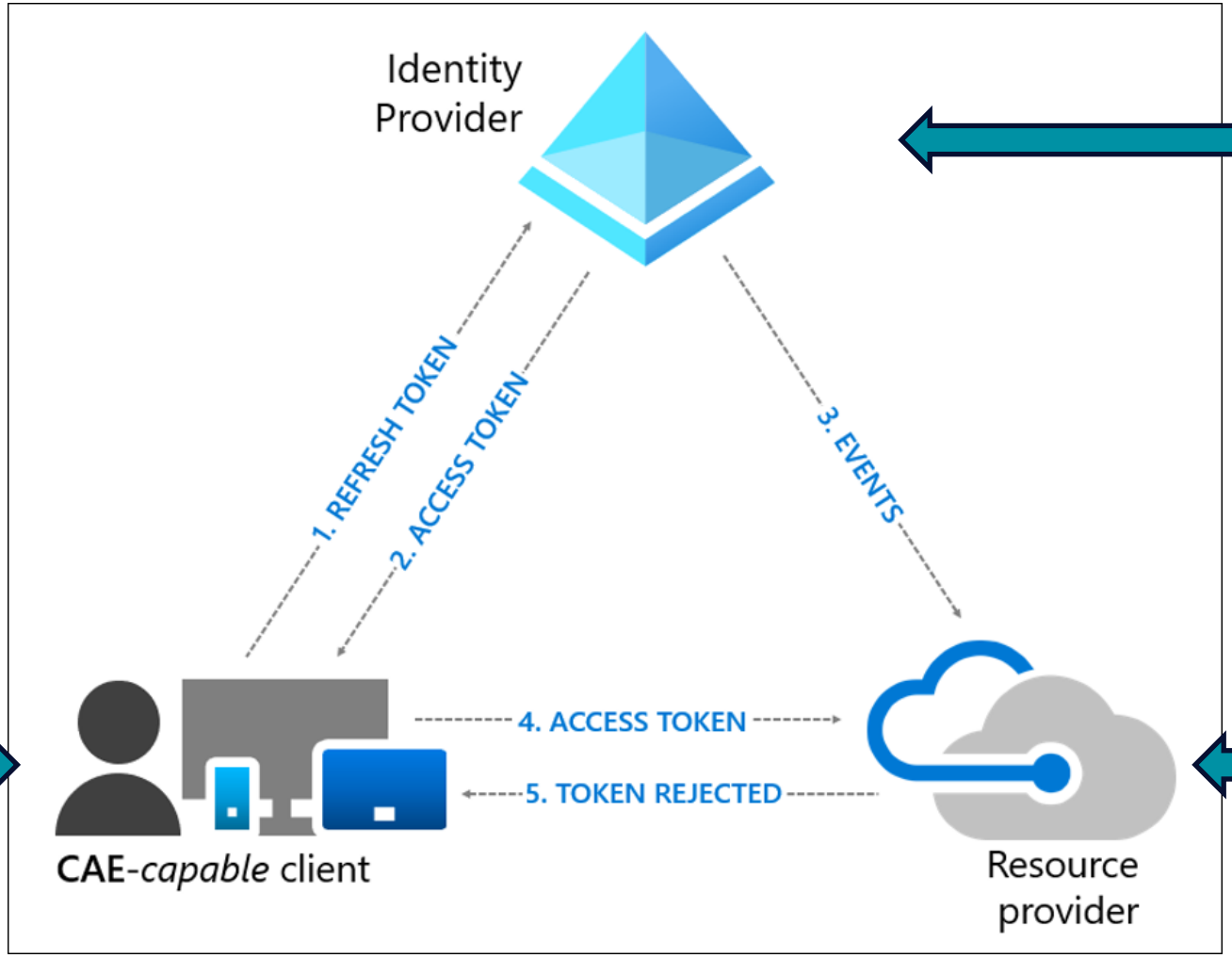
Control access enforcement to block or grant access. Learn more

- Block access
- Grant access

- Require multifactor authentication
- "Require authentication strength" cannot be used with "Require multifactor authentication". Learn more
- Require authentication strength: YubiKey Only
- To enable all authentication strengths, configure cross-tenant access settings to accept claims coming from Microsoft Entra tenants for external users. Authentication strengths will only configure second factor authentication for external users. Learn more
- Require device to be marked as compliant
- Require Microsoft Entra hybrid joined device
- Require approved client app — See list of approved client apps
- Require app protection policy — See list of policy protected client apps



Universal Continuous Access Evaluation



Entra ID

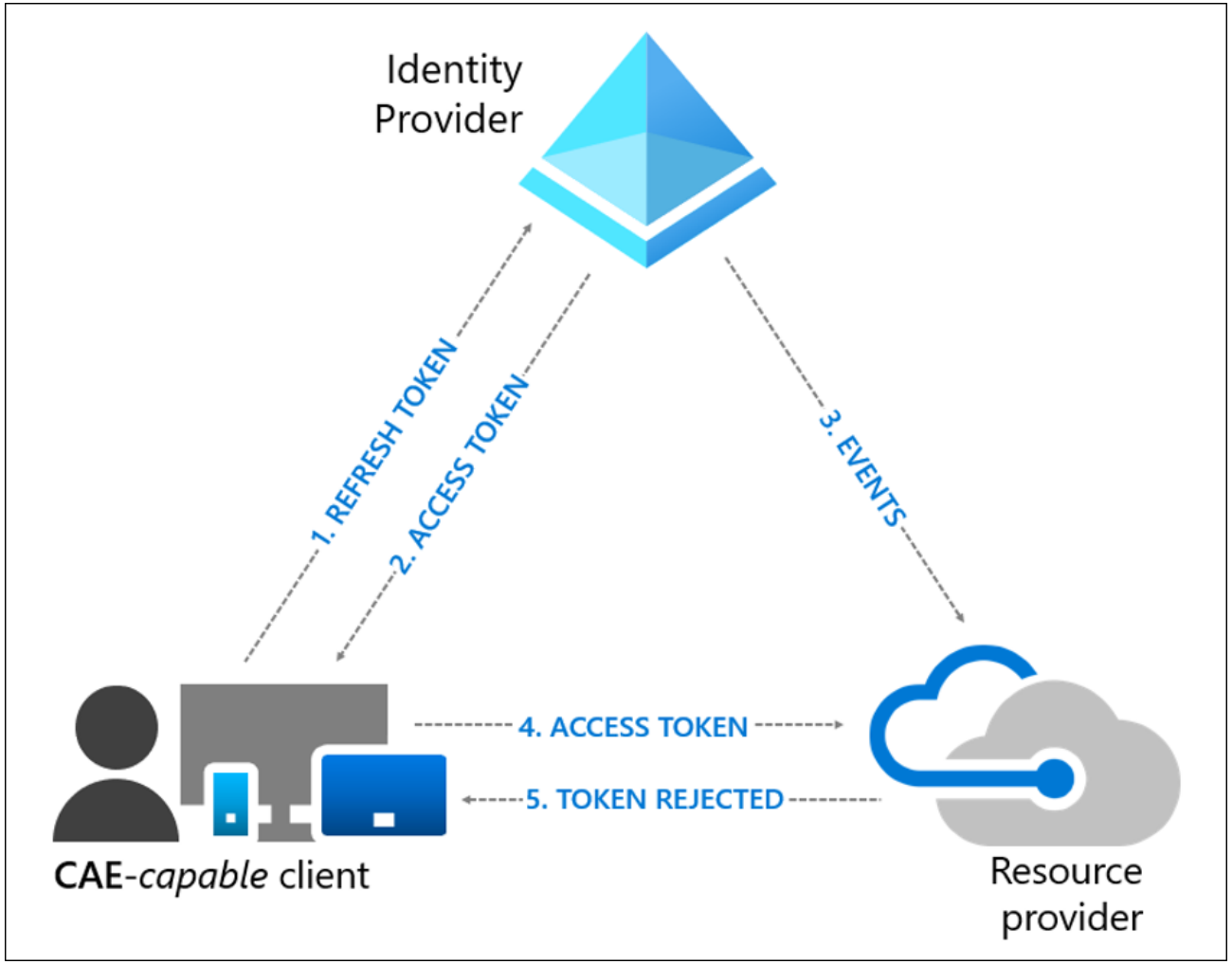
GSA Client

Global Secure Access

Universal Continuous Access Evaluation

Trigger events for Universal CAE:

- User Account is deleted or disabled
- Password for a user is changed or reset
- Multifactor authentication is enabled for the user
- Administrator explicitly revokes all refresh tokens for a user
- High user risk detected by Microsoft Entra ID Protection



Universal Continuous Access Evaluation

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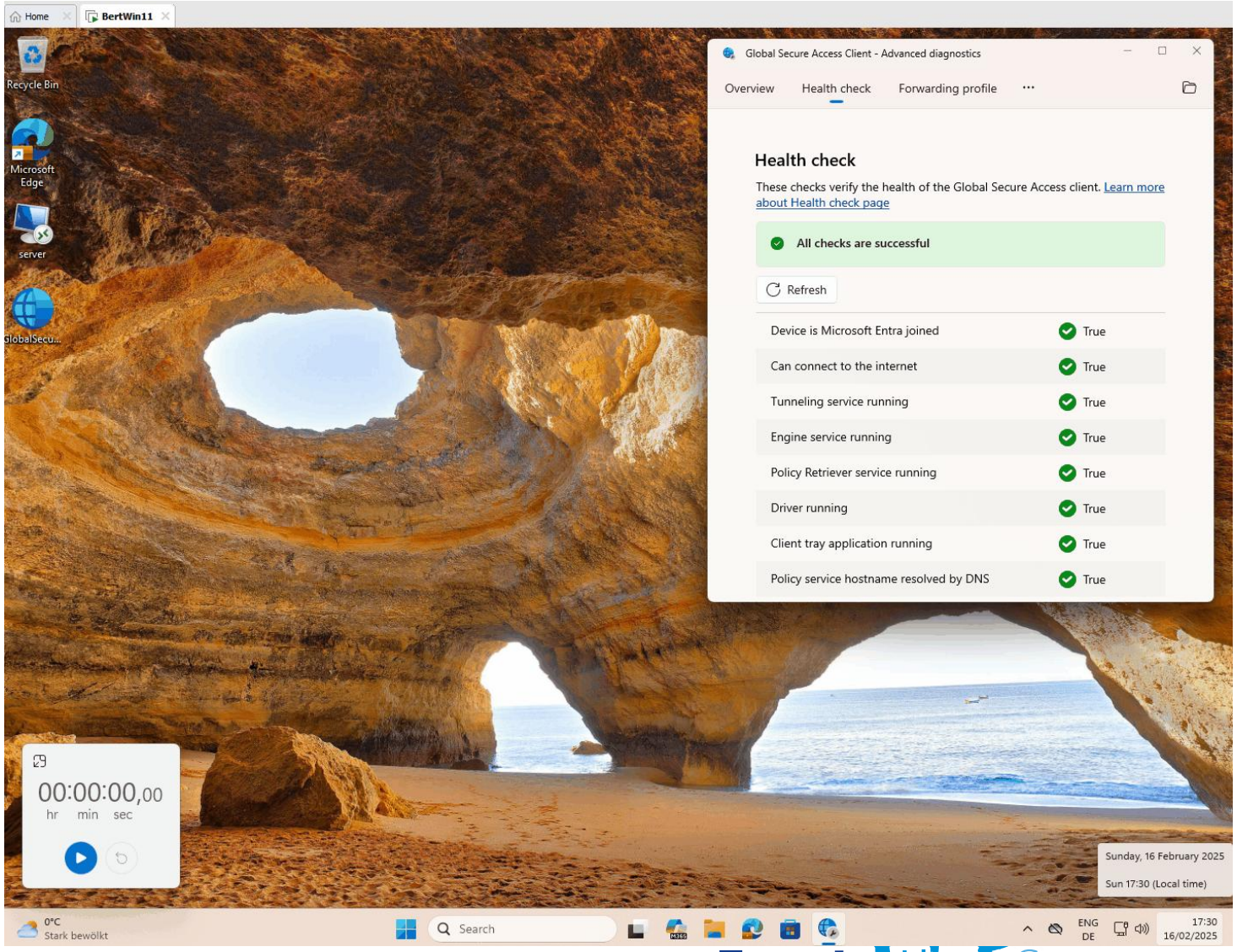
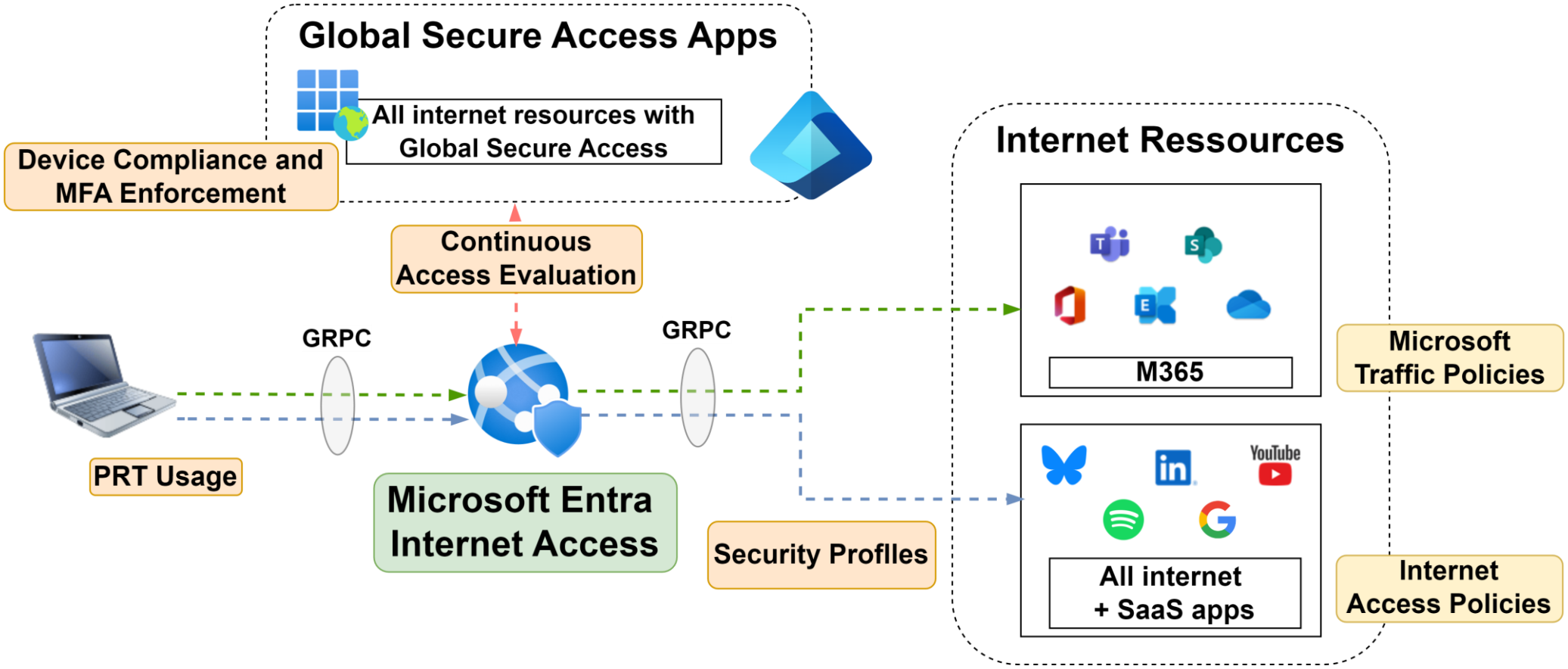
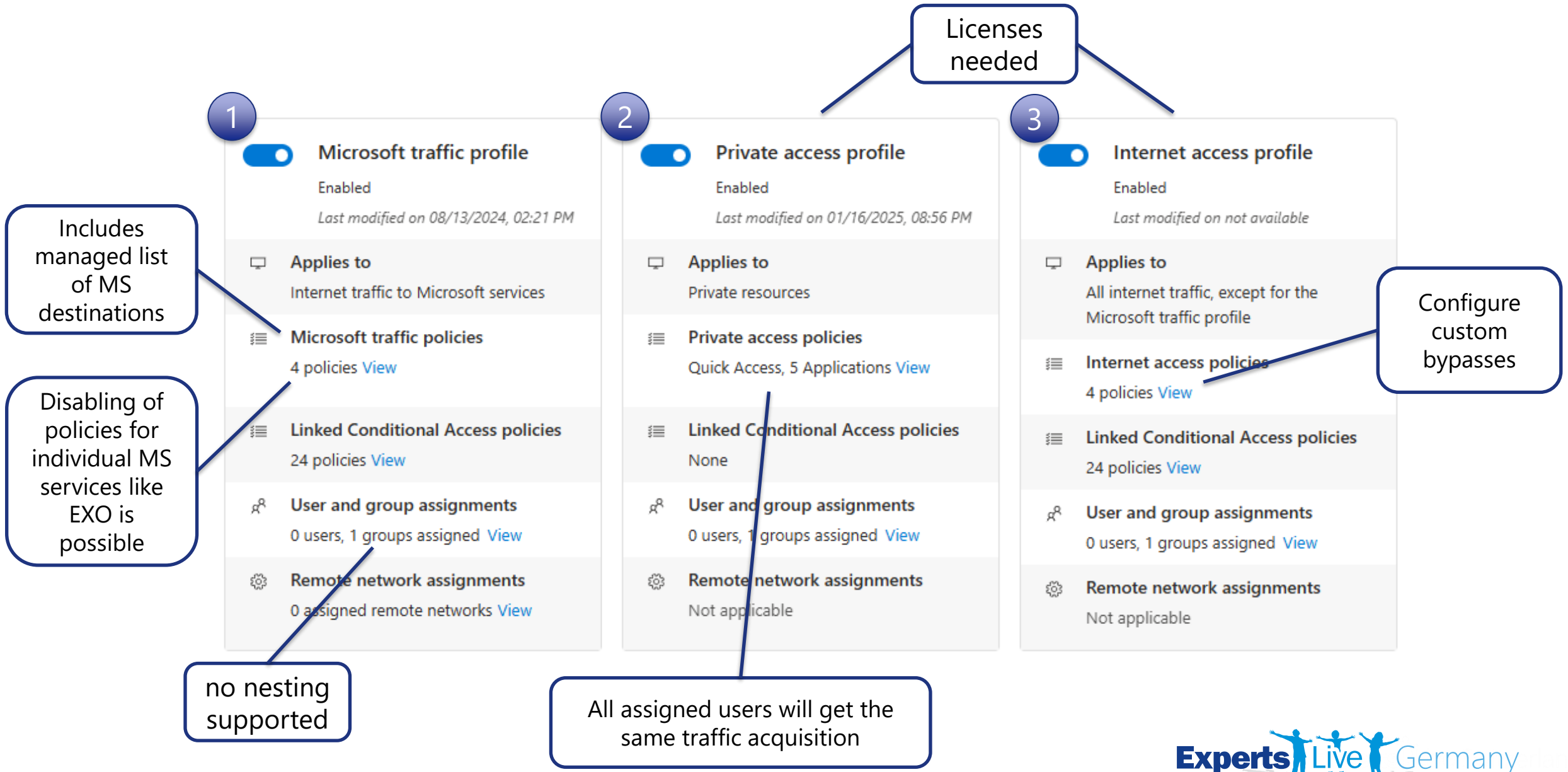


Entra Internet Access



Side note: traffic acquisition



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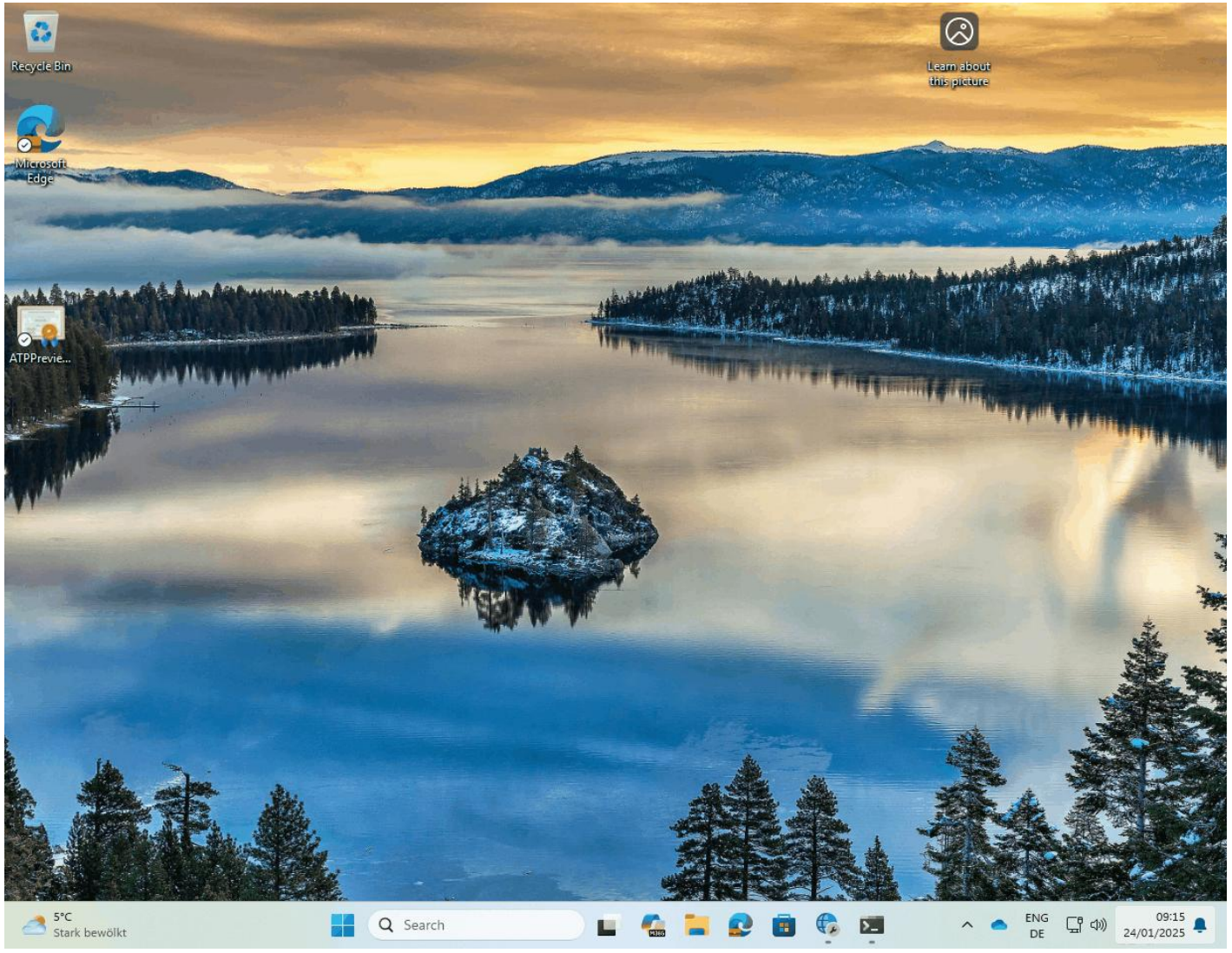
Using the Webfilter in Entra Internet Access



Name *

EIA 1 - Apply Basic Employee Web Filtering

Assignments

Users or workload identities

Specific users included

Target resources

All internet resources with Global Secure Access

Network NEW

Not configured

Conditions

0 conditions selected

Access controls

Grant

0 controls selected

Session

Conditional Access Network Control selected

Select what this policy applies to

Resources (formerly cloud apps)

Include Exclude

- None
- All internet resources with Global Secure Access
- All resources (formerly 'All cloud apps')
- Select resources

Use Global Secure Access security profile

Basic Employee Profile

IT Guys Profile

Basic Employee Profile

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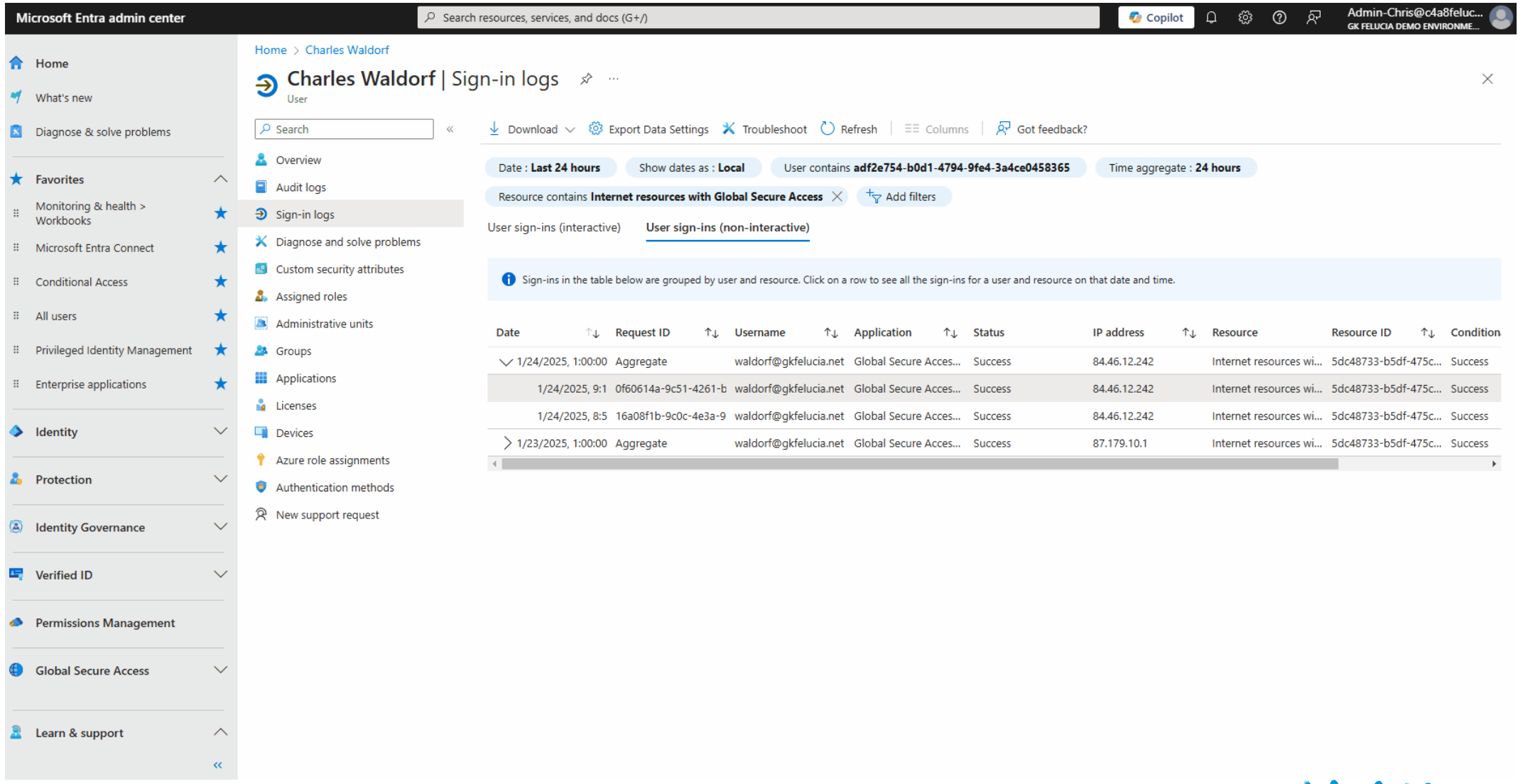
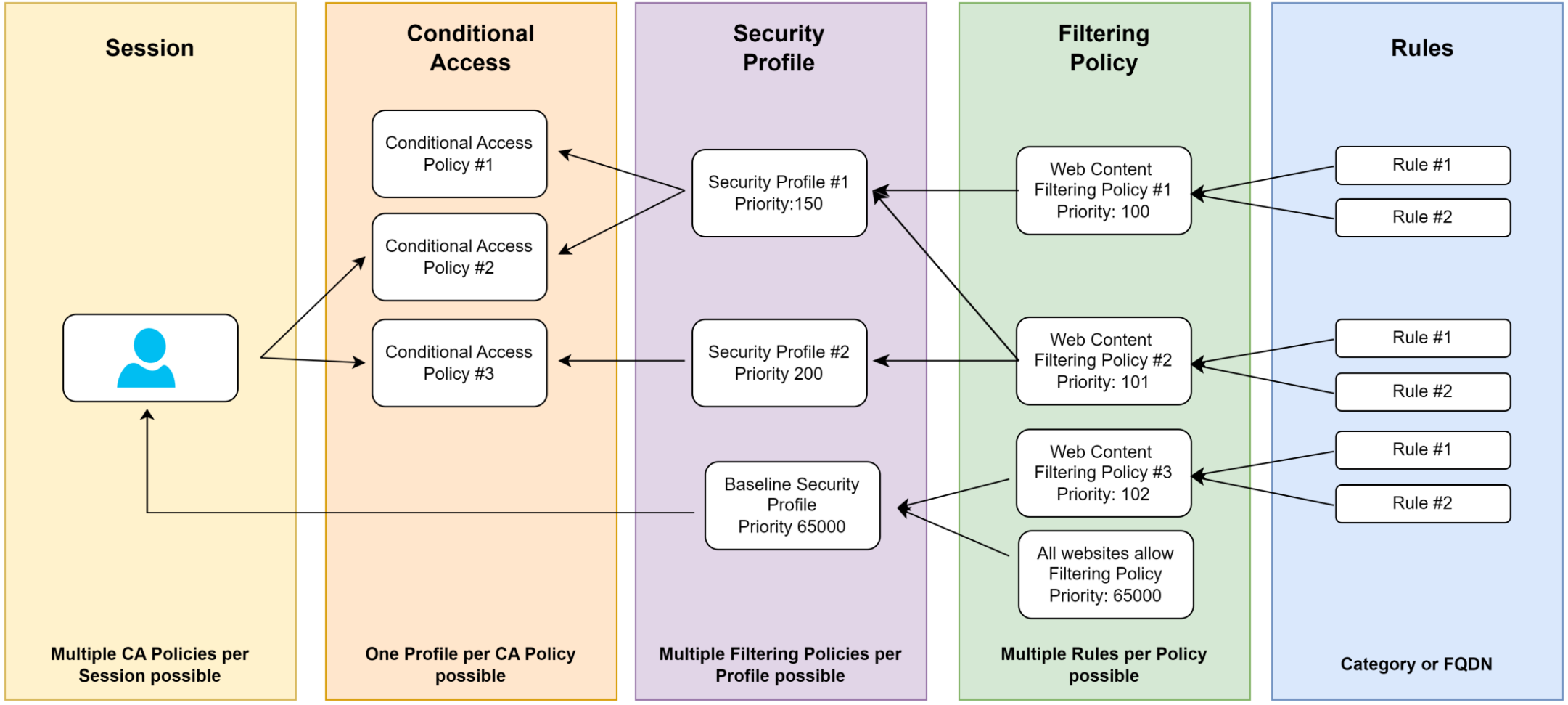
Using the Webfilter in Entra Internet Access

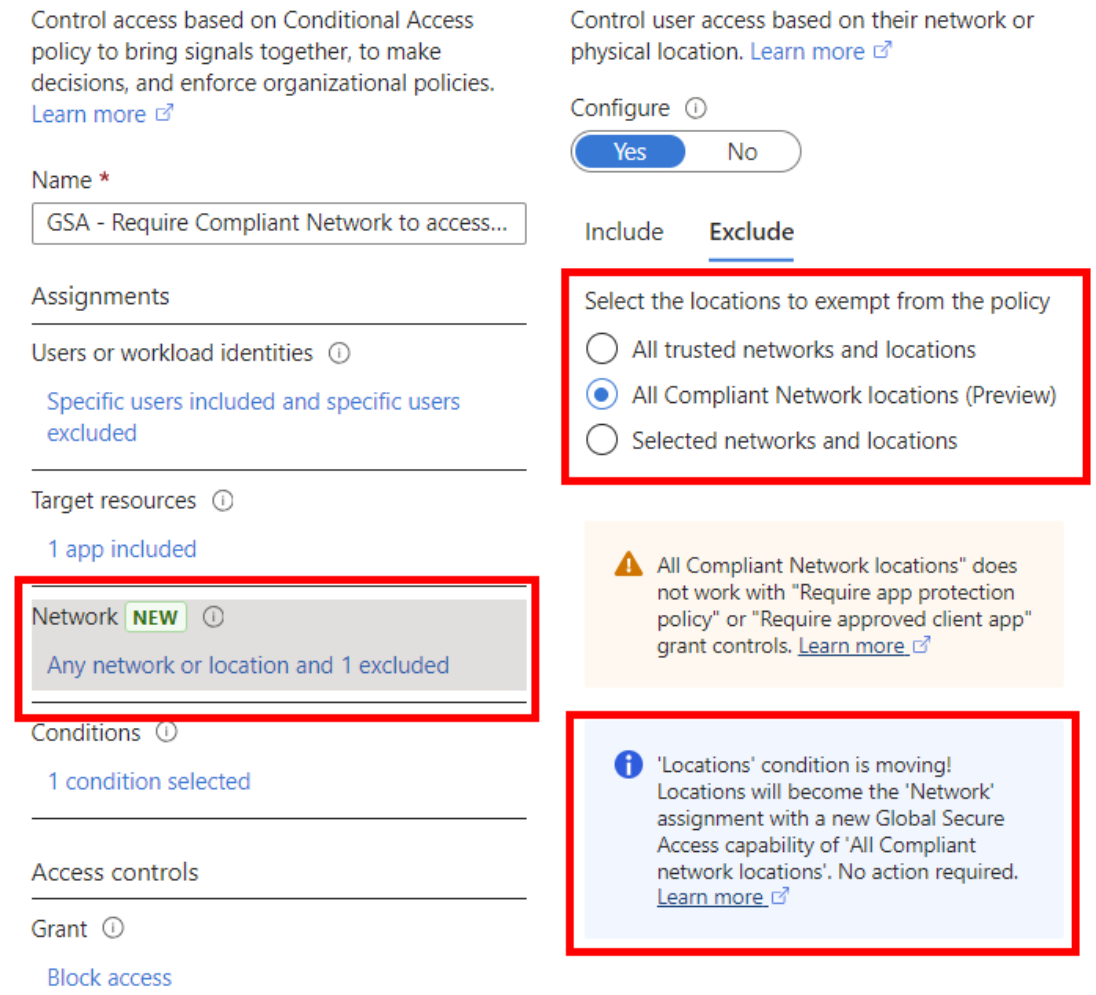


EIA Conditional Access Integration

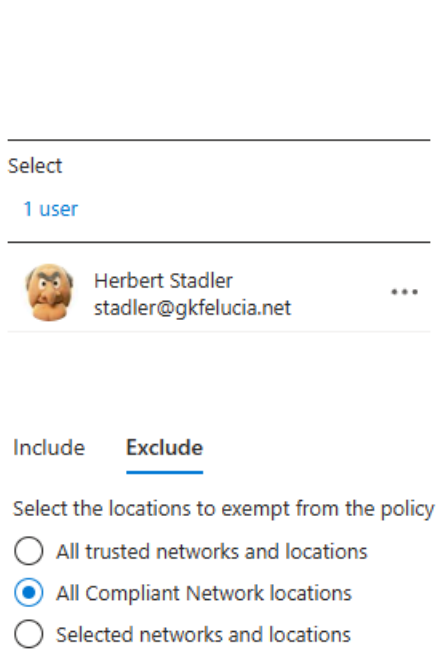


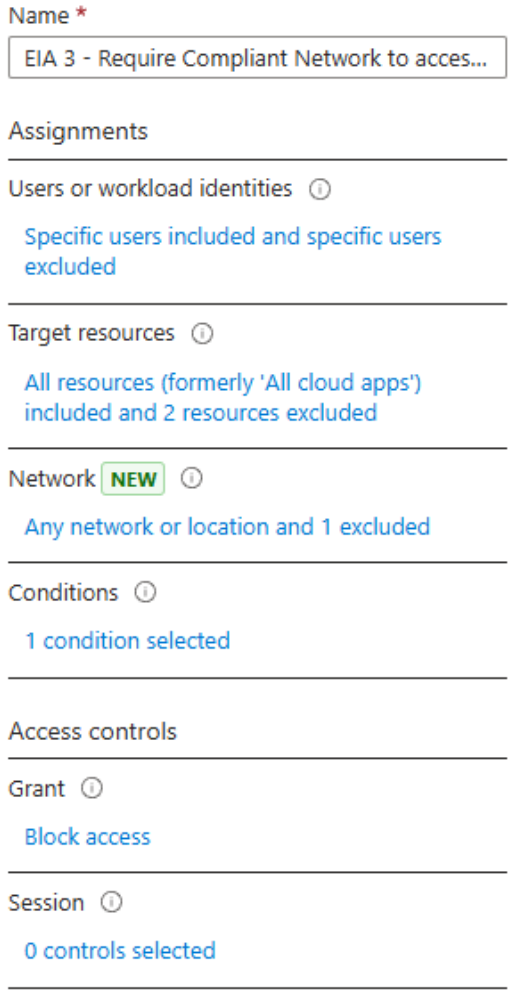
“Compliant Network” Condition

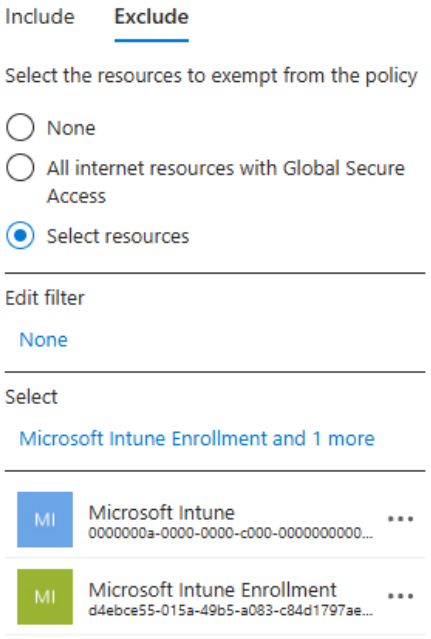
- Reasonable policy:
  - “Require Compliant Network to access Cloud Apps”
- Incompatible with
  - Require app protection policy
  - Require approved client app
  - Use Global Secure Access security profile



The Compliant Network Condition





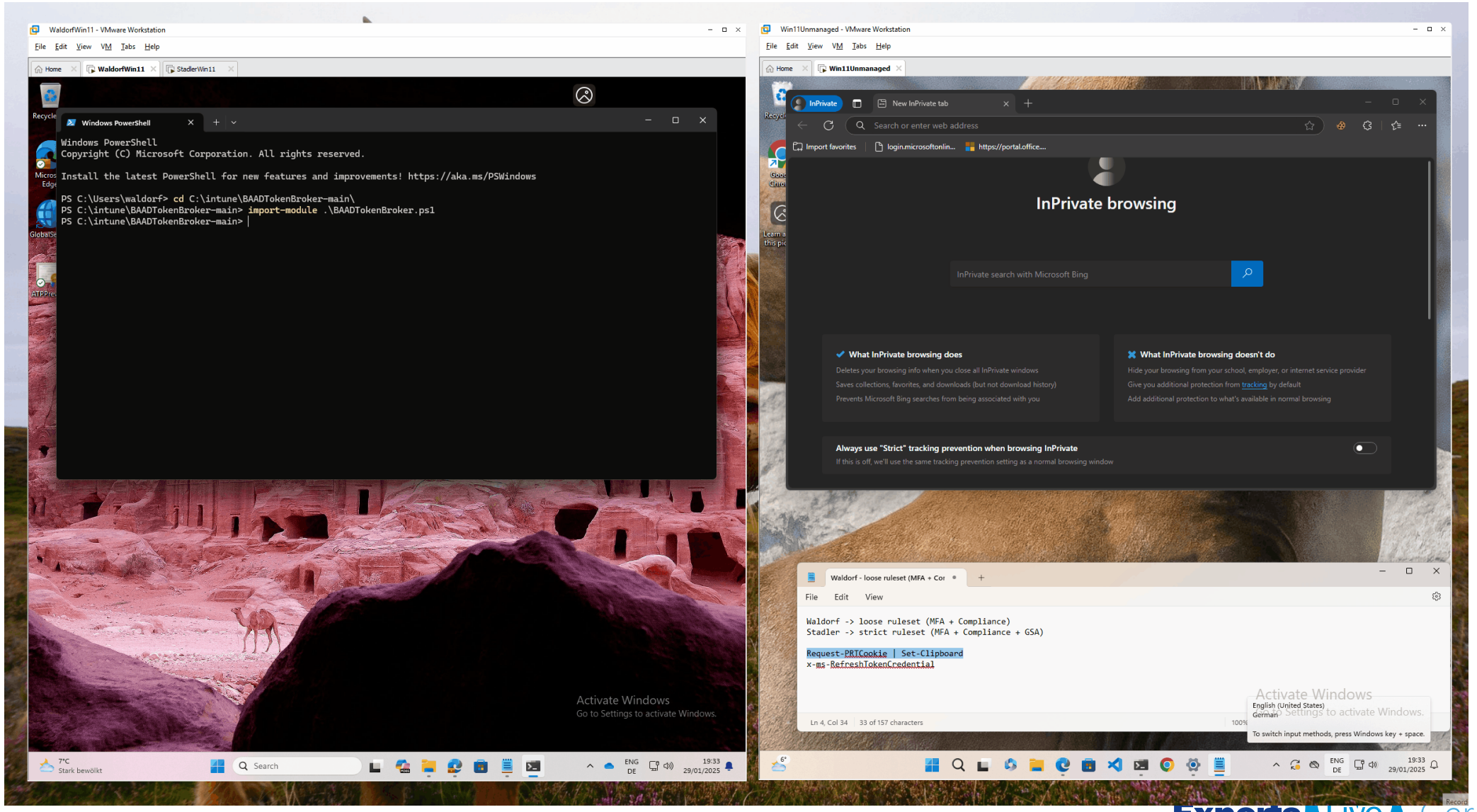


Examples for additional exclusions:

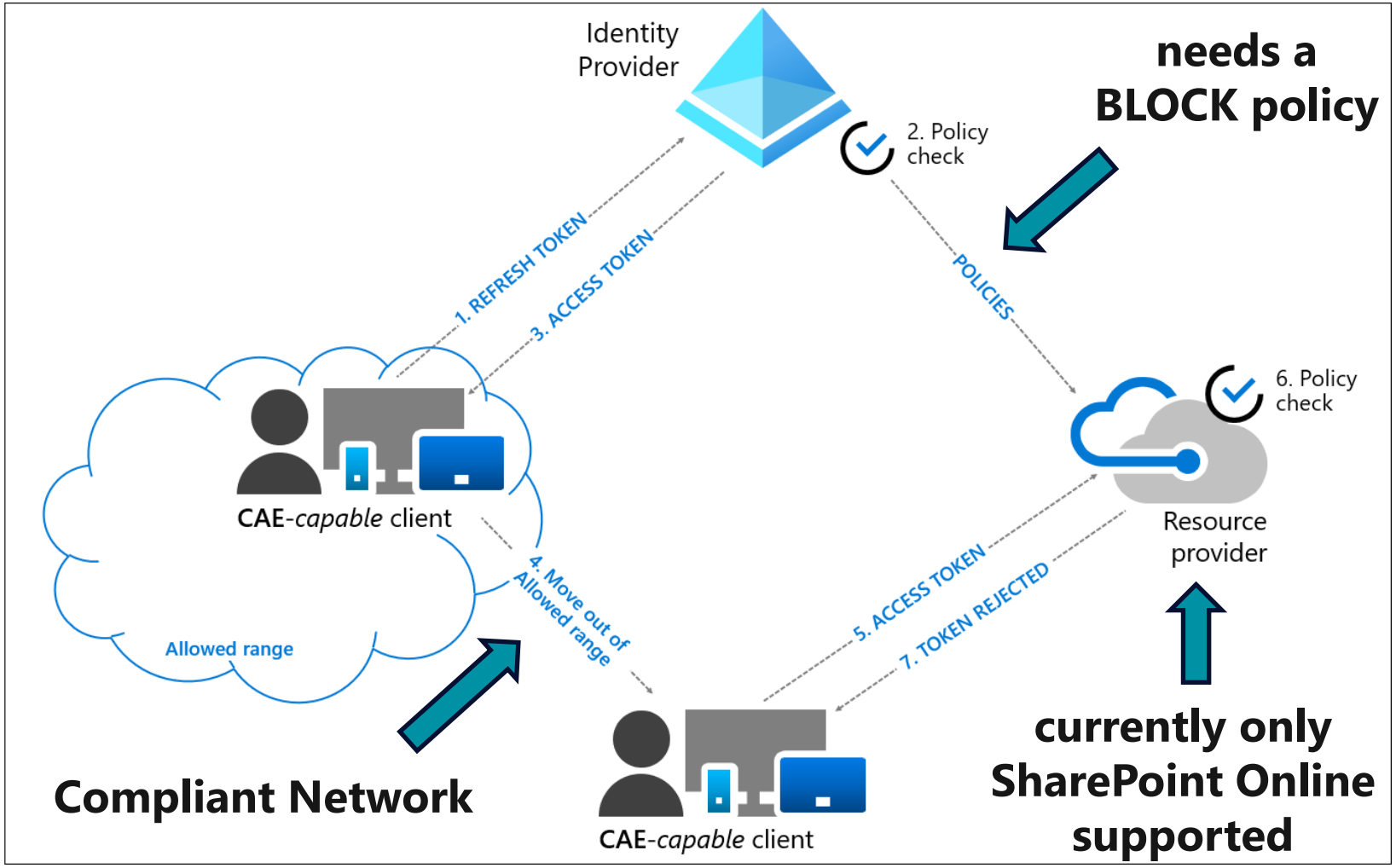
Azure Windows VM Sign-In

Azure Virtual Desktop
Windows 365
Microsoft Remote Desktop
Windows Cloud Login

The Compliant Network Condition

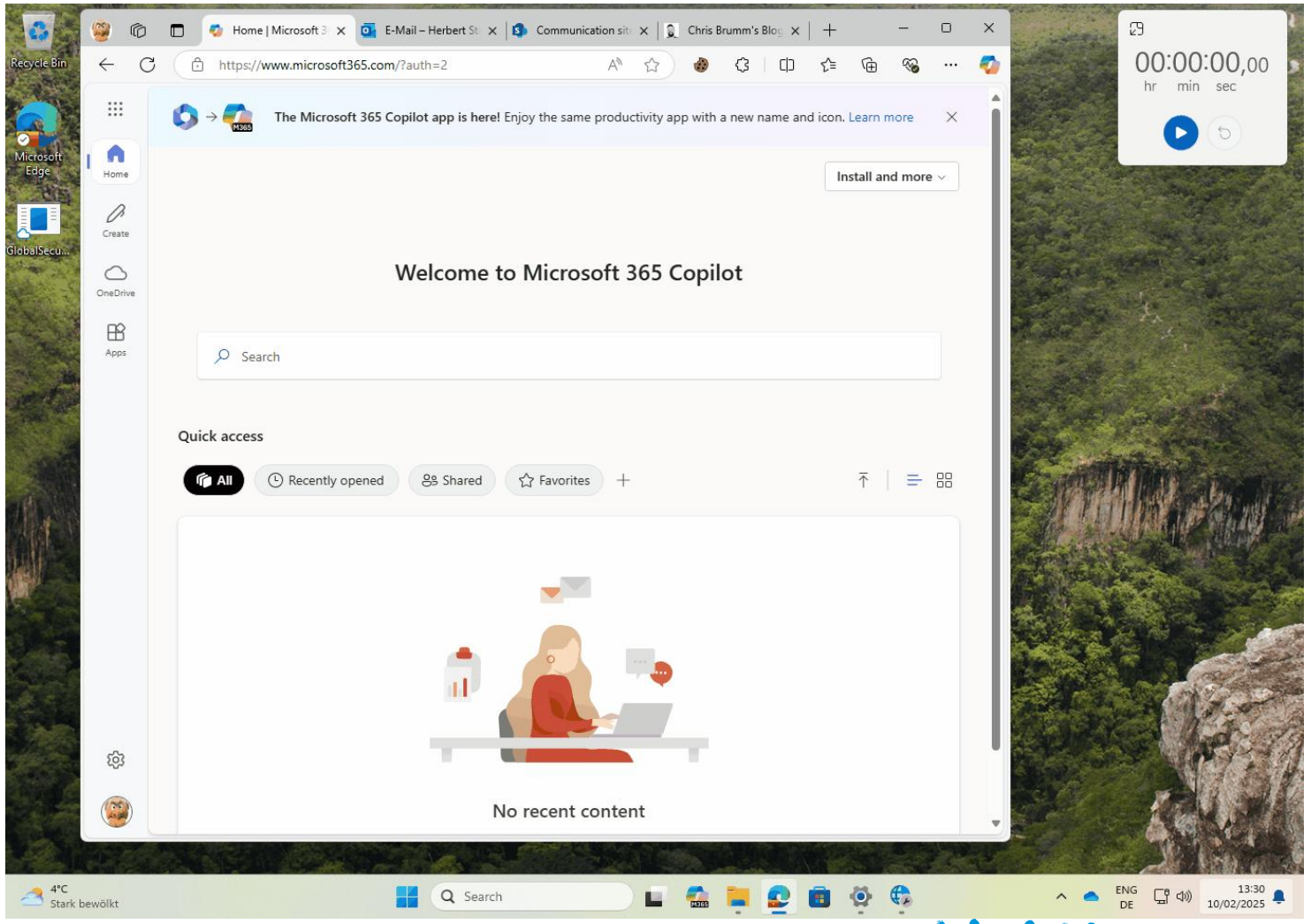


GSA Compliant Network and CAE



Leaving the compliant network

- Data plane enforcement works with services that support Continuous Access Evaluation (CAE) - **currently, only SharePoint Online**.
- With apps that support CAE, stolen access tokens that are replayed outside your tenant's compliant network will be rejected by the application **in near-real time**.
- Without CAE, a stolen access token will last up to its full lifetime (default 60-90 minutes).



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Bitte gebt uns euer Feedback!

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Vielen Dank!

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