

PIMp Your Administration: Strengthening Zero Trust with Entra ID

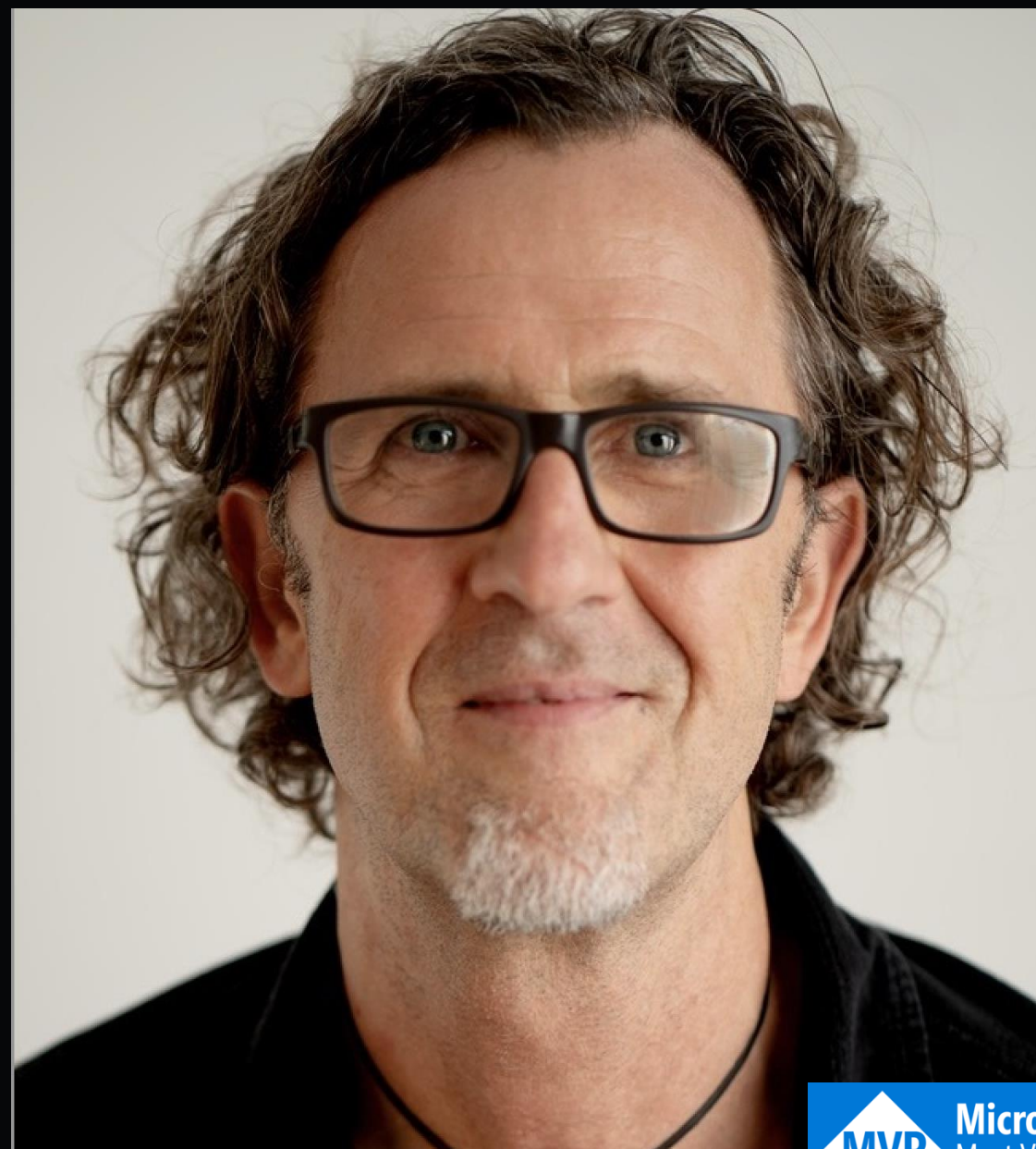
Klaus Bierschenk
Director Consulting Expert, CGI

How many Entra ID Roles do we have today?

134

How many Azure Roles do we have today?

828



Meet the Speaker

Klaus Bierschenk

Director Consulting Expert / CGI Germany

- Based in Murnau, Bavaria
- Living with my family, two snakes, two cats – and lots of other animals my cats bring home from time to time



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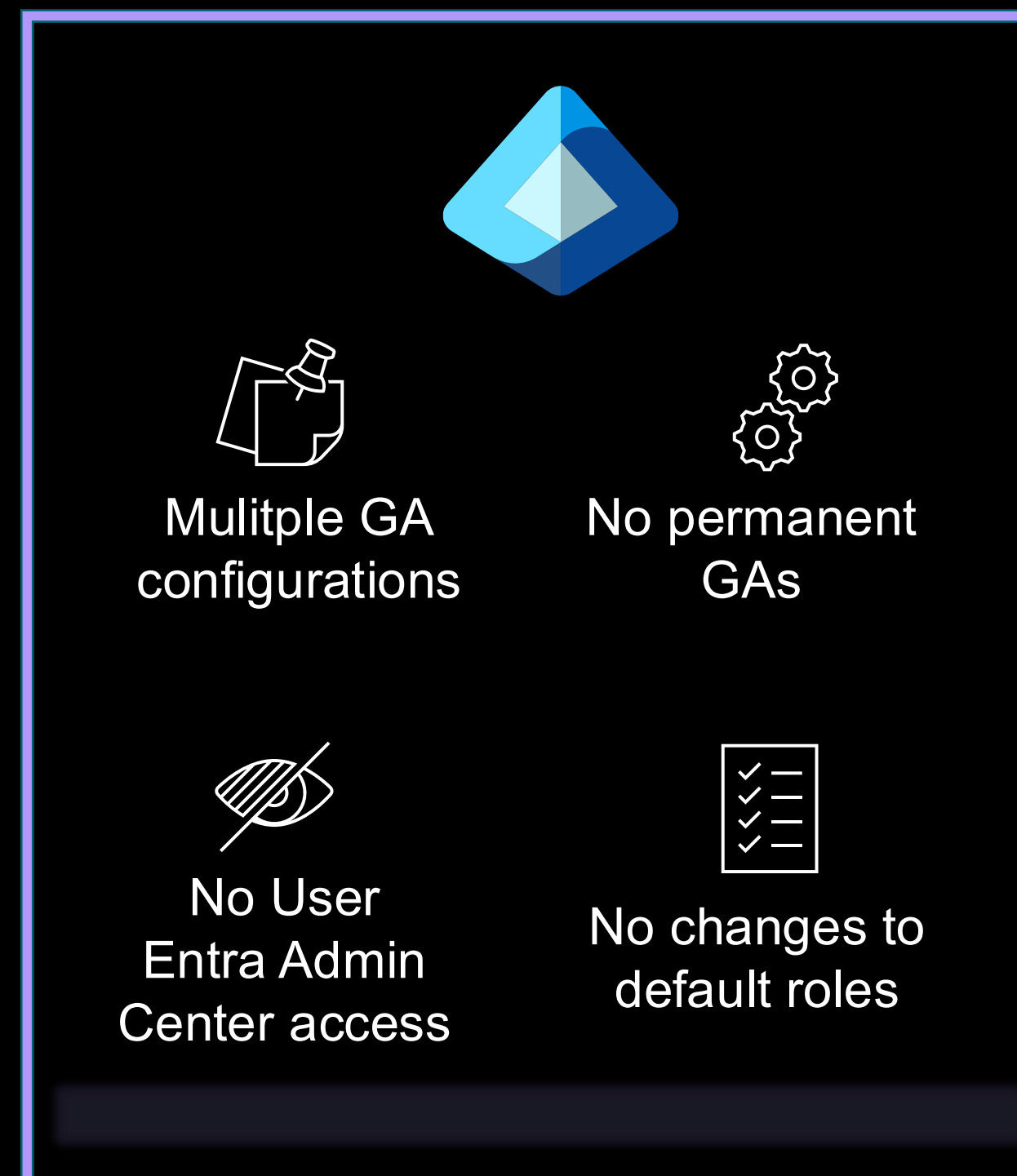
Improve Administration – Today's Topics

- ❖ PIM Concepts Explained Using an Example Environment (School)
- ❖ Improve: PIMp Your Administration with Other Technologies
- ❖ PIM for Groups – where does eligibility belong?
- ❖ Key Things You Should Know About PIM

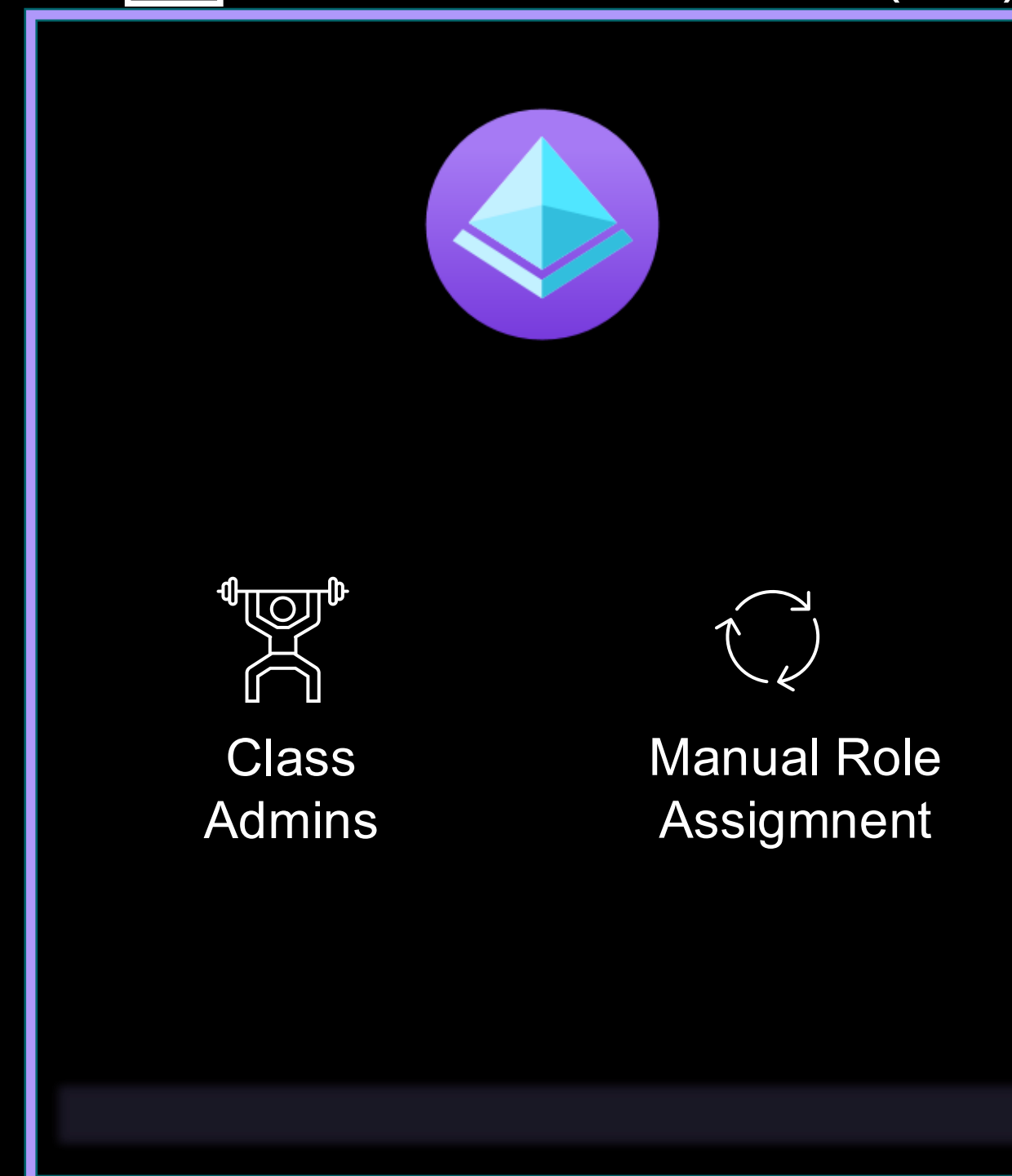


School (or Similar) Environment Model

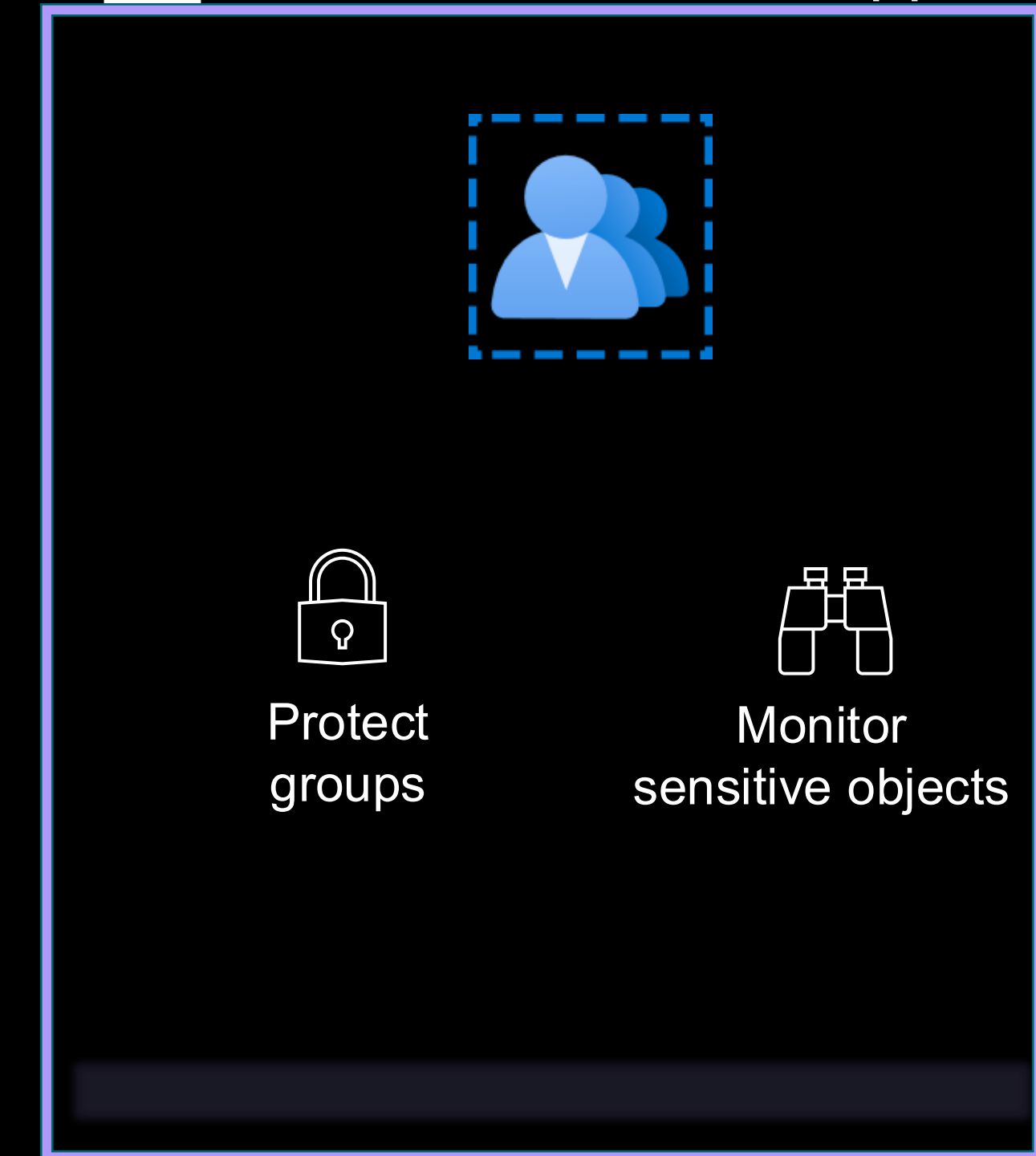
1 School-wide



2 Class Level Access (AU)



3 Sensitive Student Support



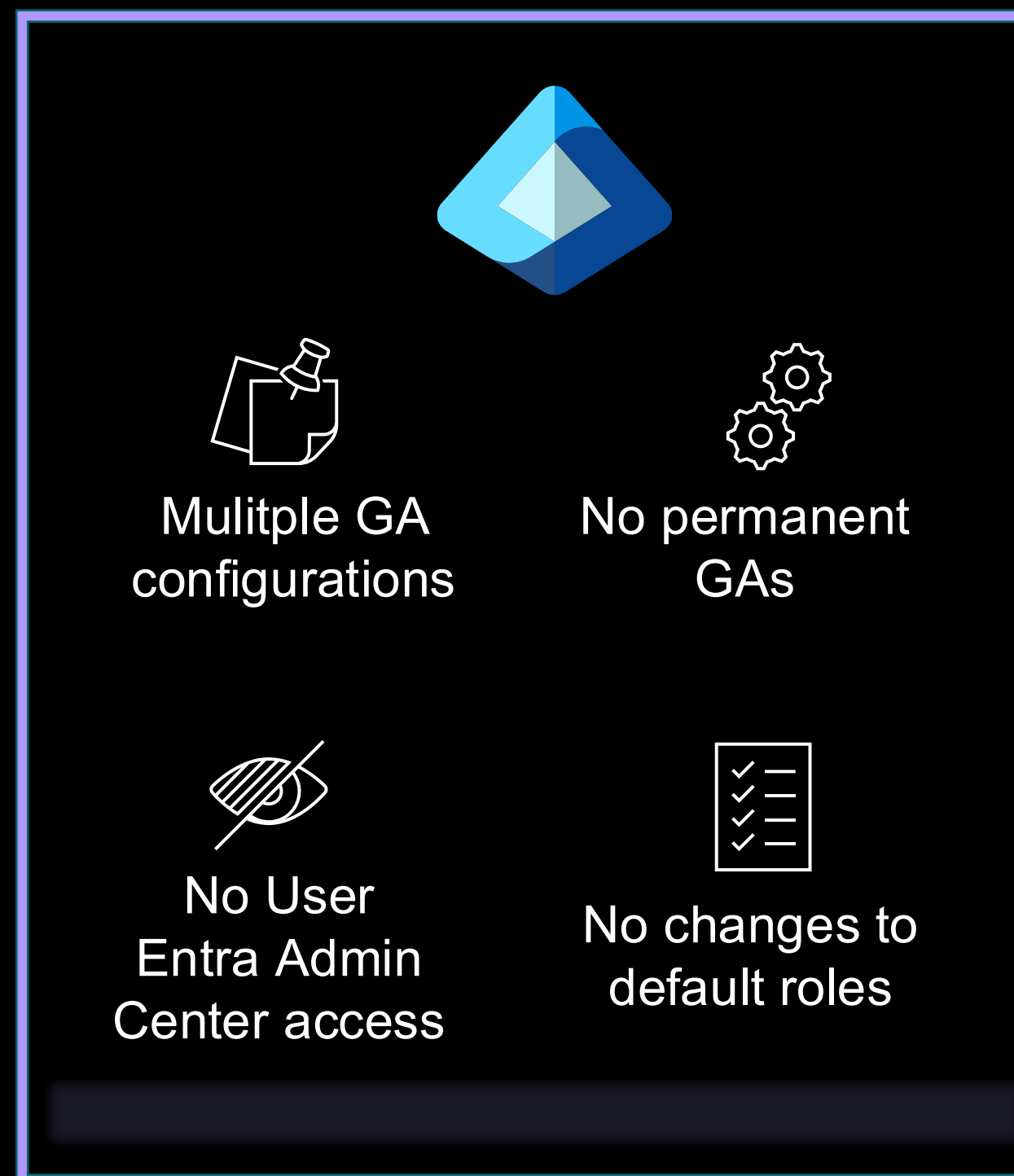
PIM Basic

PIM for Groups

Admin Units

School (or Similar) Environment Model

1 School-wide



Use PIM for Groups to manage multiple Global Administrator access

Most built-in roles are not be modified

Only Break-Glass Accounts are permanently assigned

End users do not have access to the Entra Admin Center

GA activation is blocked on mobile devices (Conditional Access)



PIM Basic

PIM for Groups

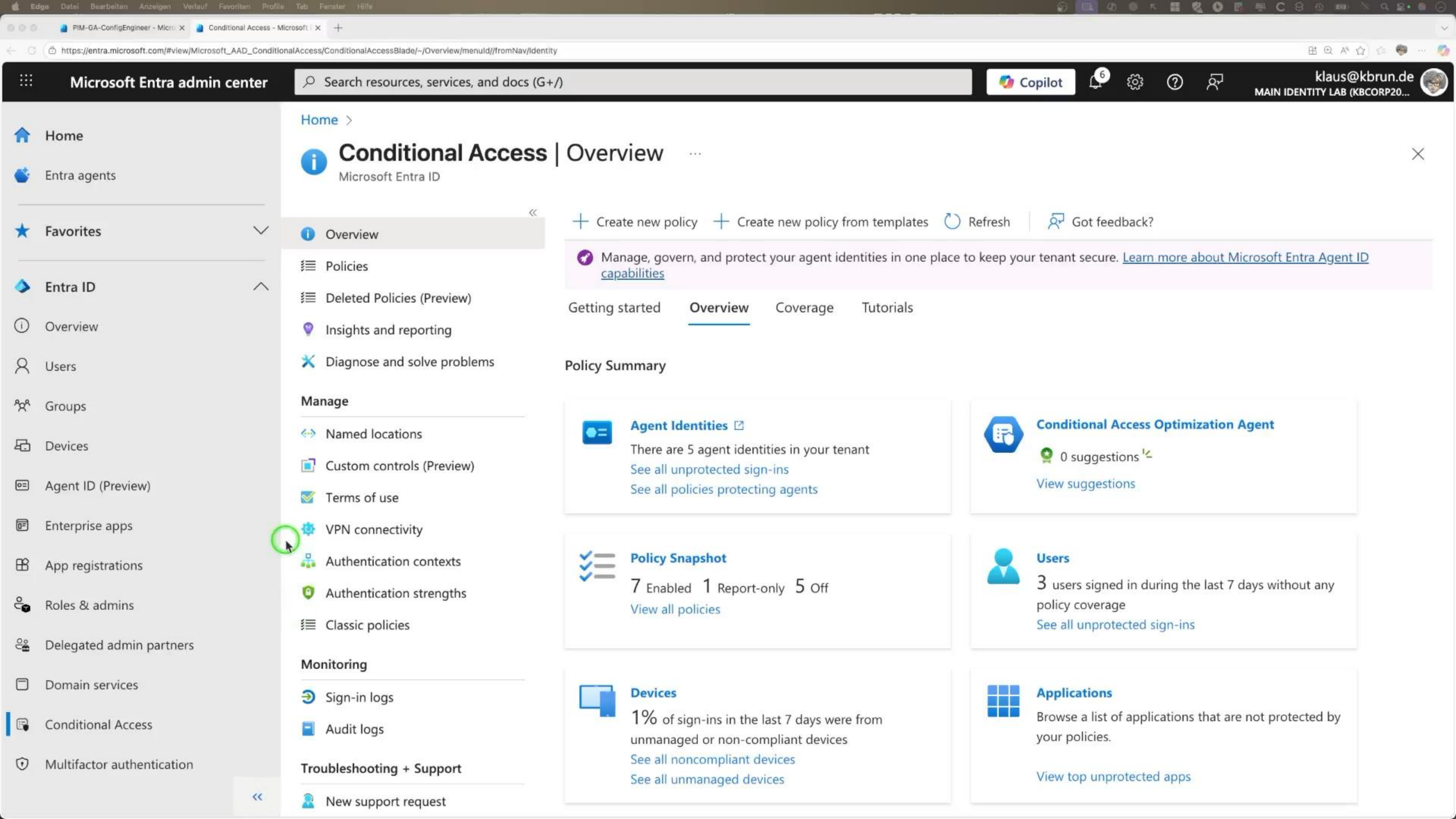
Admin Units

Demo

Tenant Settings

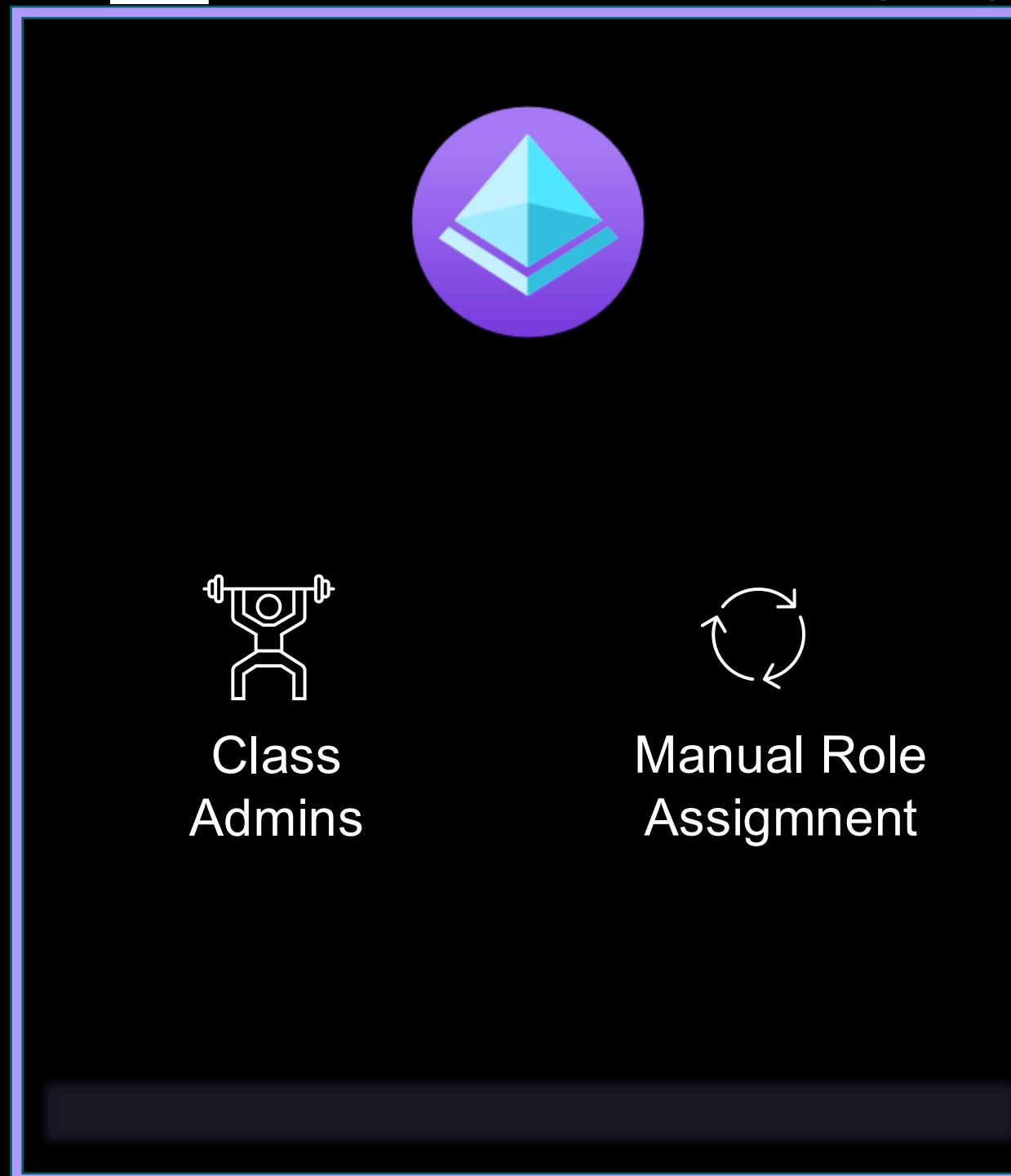
- *Multiple GAs via Groups*
- *Built-in Roles are not modified*
- *Conditional Access*





School (or Similar) Environment Model

2 Class Level Access (AU)



Students are assigned using a dynamic membership rule

Class Admins are assigned to Administrative Units manually

Challenge:

Annual admin changes at the end of the school year

AU Admins change every year

Do we handle this manually — or automate it?



PIM Basic

PIM for Groups

Admin Units

Demo

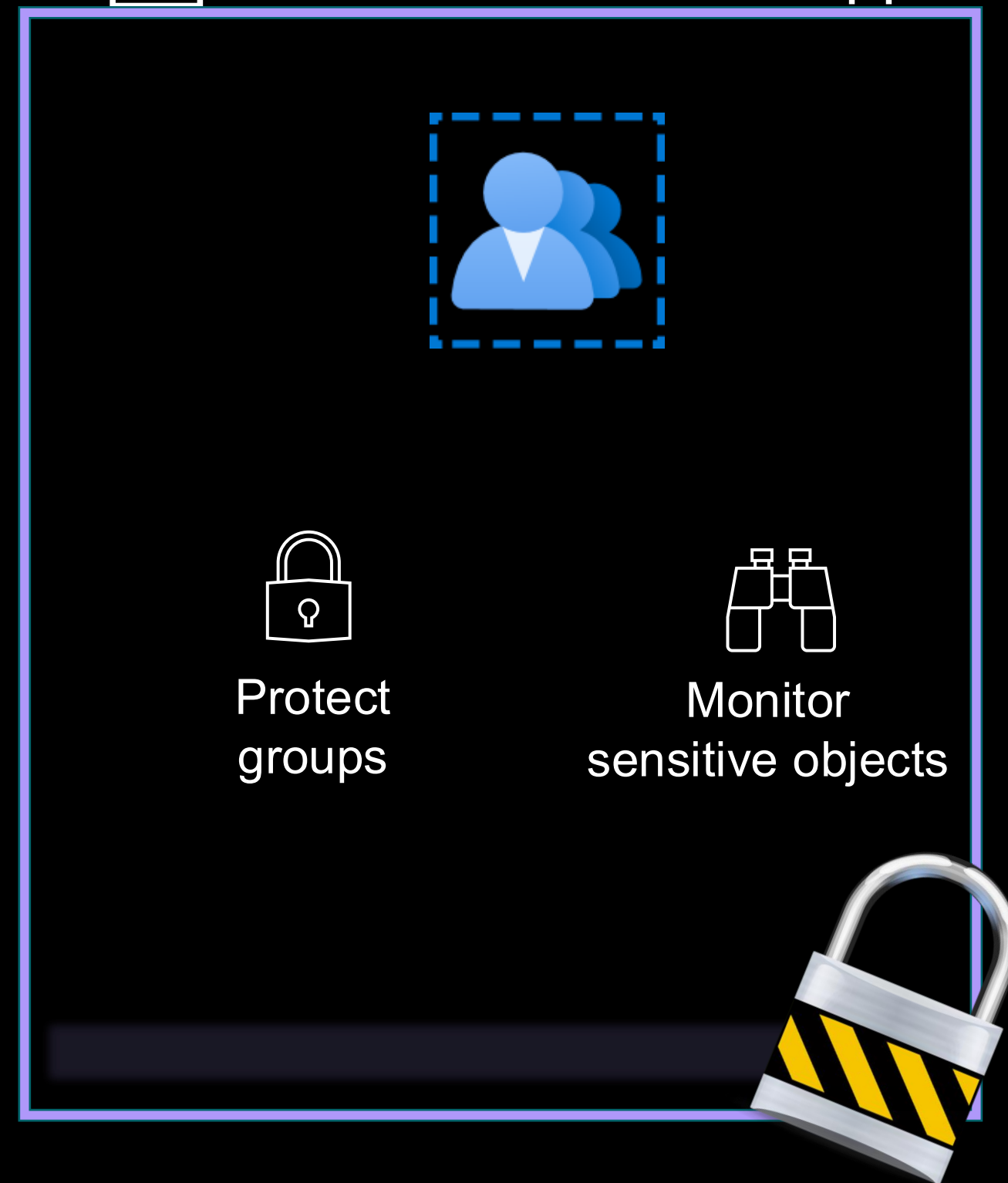
Delegated permissions:

- *AU administration settings*
- *Lifecycle workflows (Example)*



School (or Similar) Environment

3 Sensitive Student Support



Control access to groups and objects

Only specific user should have access - no Global Admins

Alert on changes via simple Alert Rule and Action Group

Of course data still needs to be protected
(*Purview, SPO-permissions, etc.*)



PIM Basic

PIM for Groups

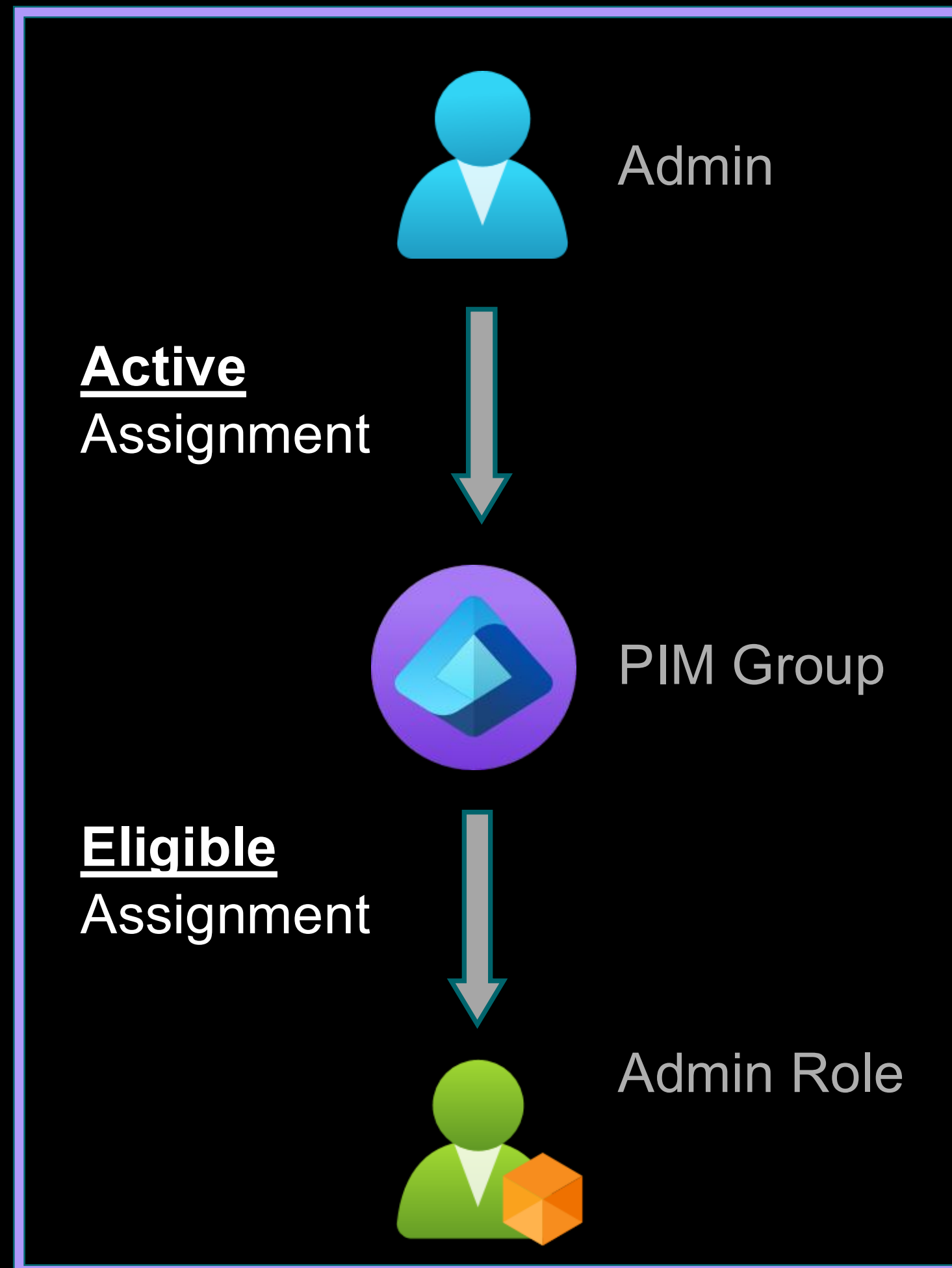
Admin Units

Demo

*Protecting sensitive
objects in Microsoft Entra ID*



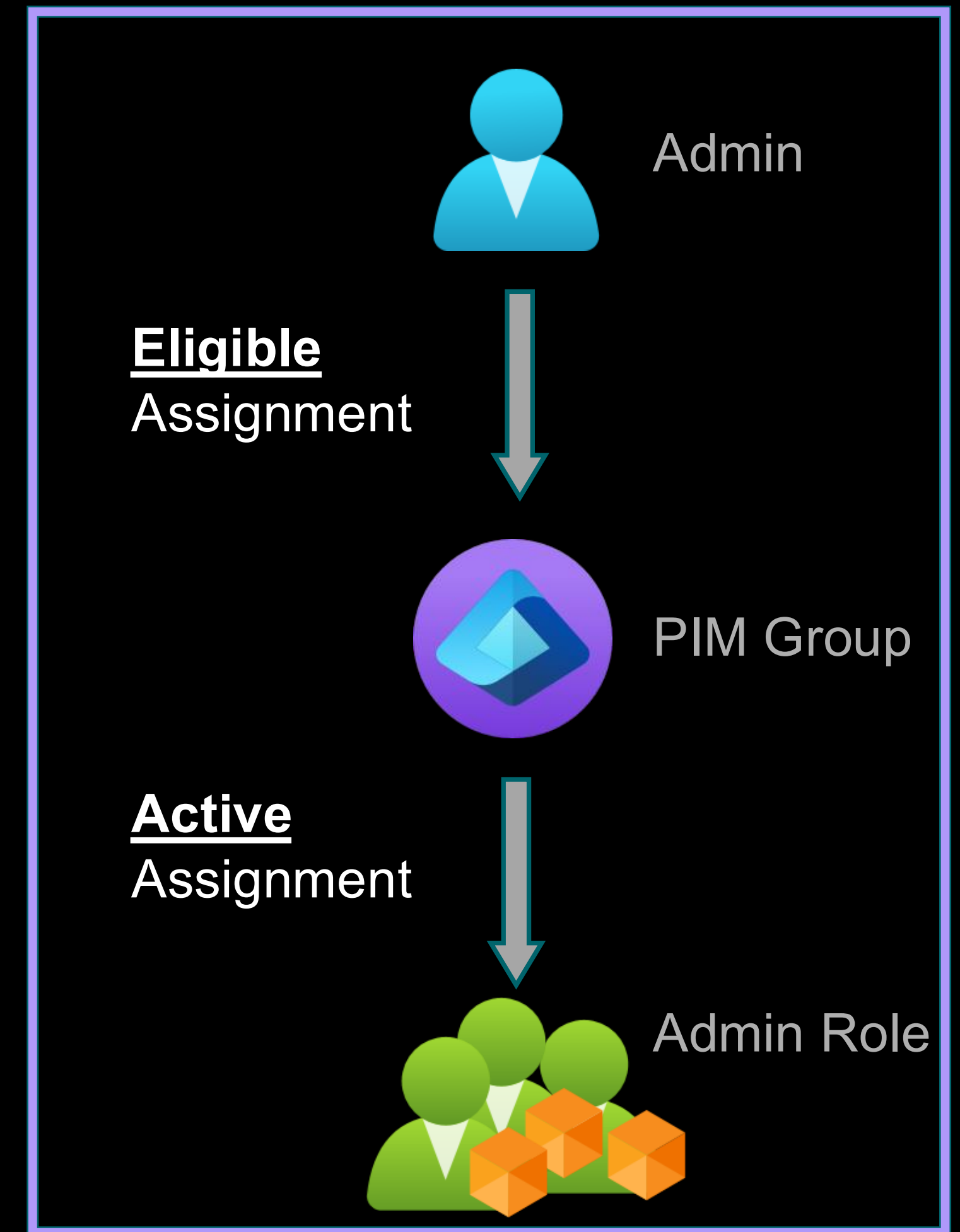
PIM for Groups – where does eligibility belong?



This way?



That way?



Demo

PIM for Groups ...



Privileged Identity Management | Quick start

Privileged Identity Management


« What's new

Get started

 Quick start

Tasks

 My roles

 My requests

 Approve requests

 Review access


Manage

 Microsoft Entra roles

 Groups

 Azure resources

Activity


 My audit history

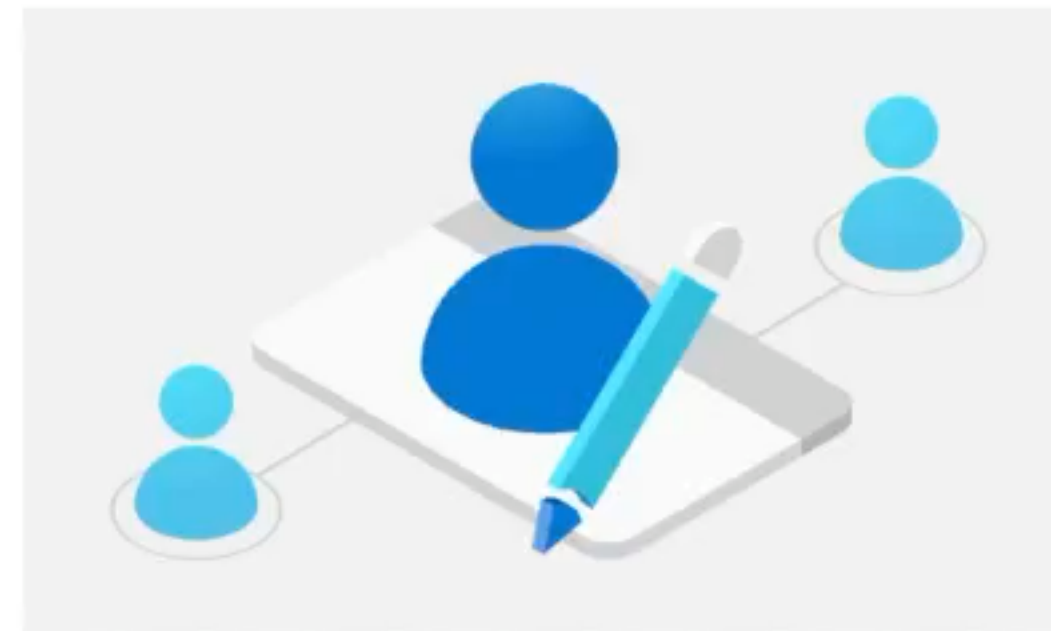
Troubleshooting + Support

 Troubleshoot

 New support request

Manage your privileged access

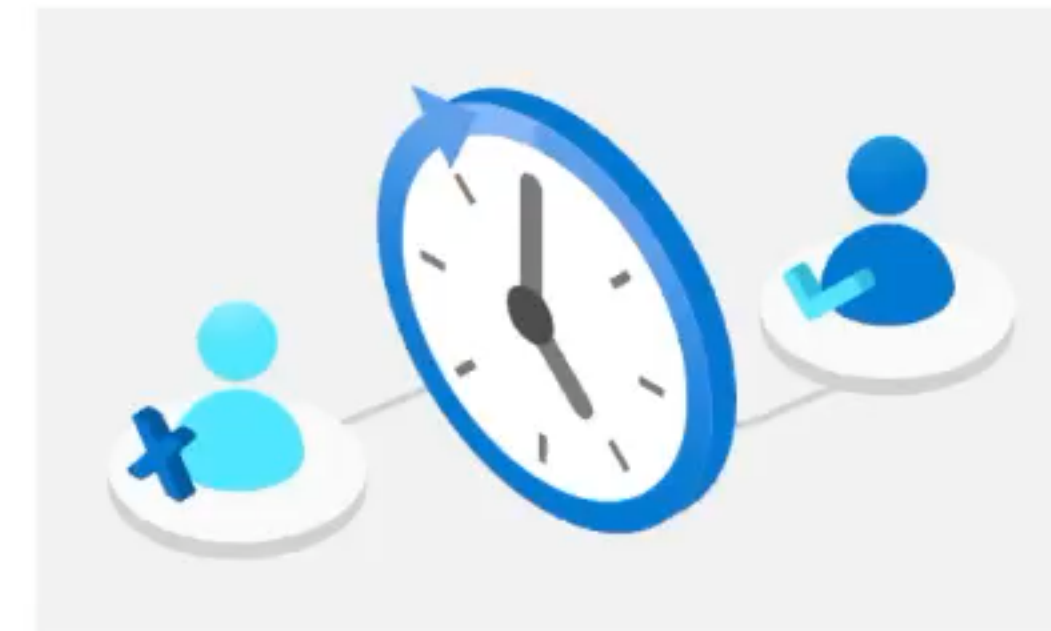
Use Privileged Identity Management to manage the lifecycle of role assignments, enforce just-in-time access policy, and discover who has what roles. [Learn more](#) 



Manage access

Users with excessive access are vulnerable in the event of account compromise. Ensure your organization manages to least privilege by periodically reviewing, renewing, or extending access to resources.

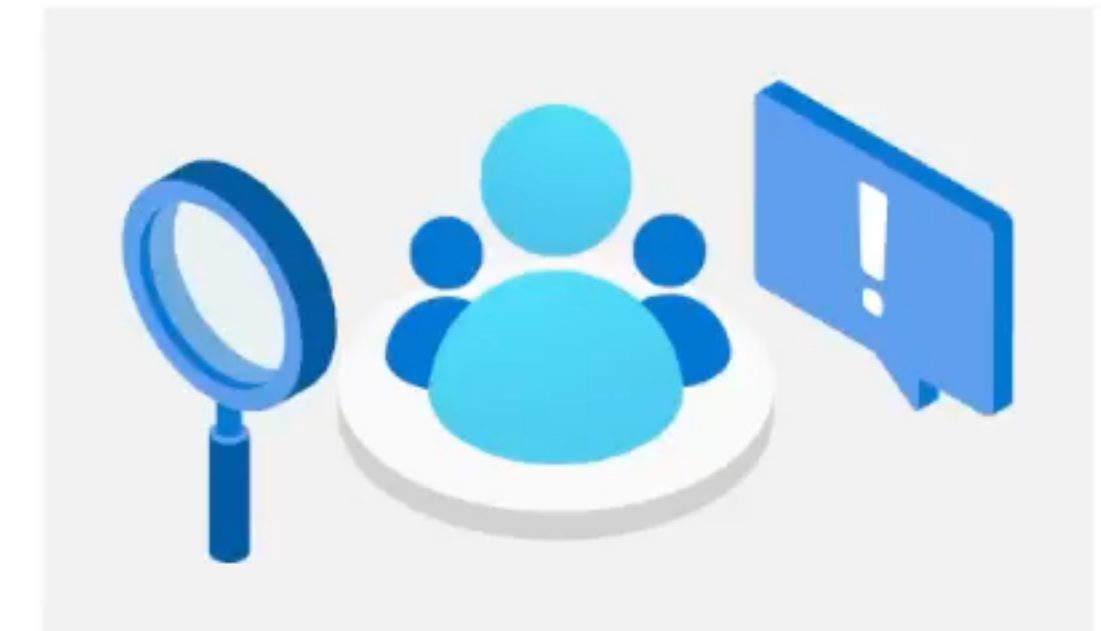
Manage



Activate just in time

Reduce the potential for lateral movement in the event of account compromise by eliminating persistent access to privileged roles and resources. Enforce just in time access to critical roles with PIM.

Activate



Discover and monitor

It is common for access to critical resources to go undetected. Ensure you know who has access to what, and receive notifications when new assignments are granted to accounts in your organization.

Discover

What else? Things You Should Know!

❖ Entra Admin Center Access restricted?

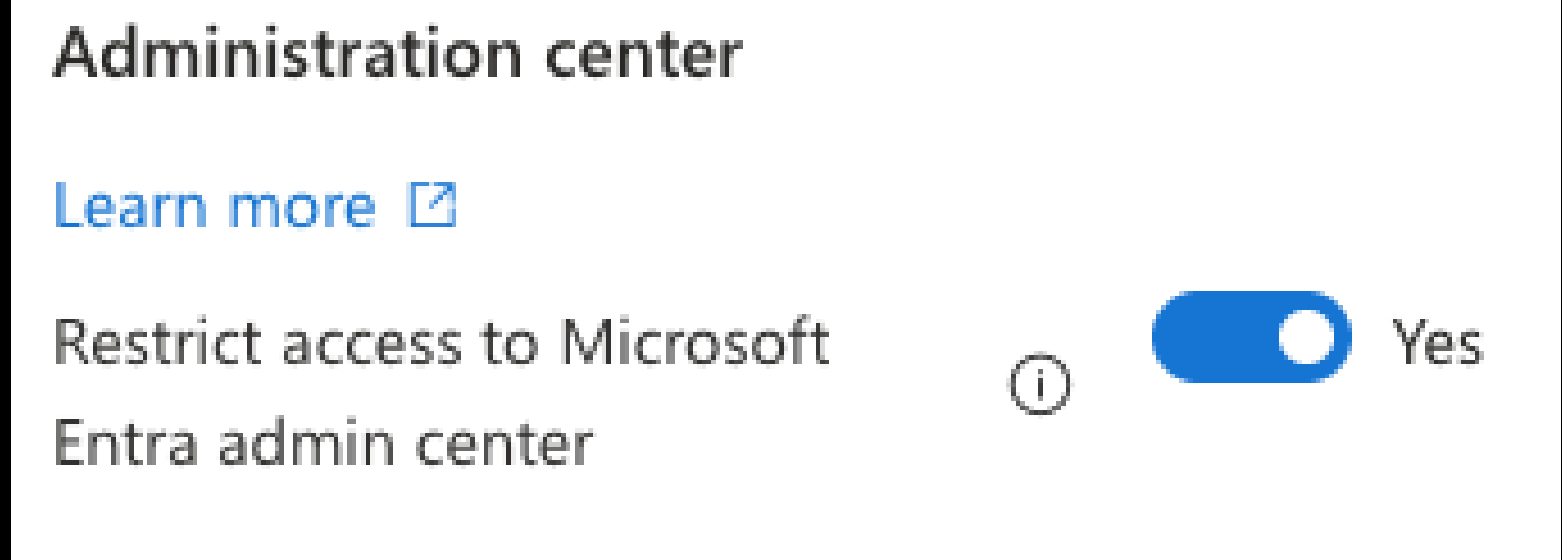
→ direct URL through Azure Portal

→ or via Entra Admin Center

both links are in the appendix slide

→ Does not work with *Admin Portal* Target in Conditional Access Policy

❖ The fastest way: aka.ms/pim



A Few More Things You Should Know!

- ❖ **No integration with MyAccess.microsoft.com**
*(not an **Admin Portal** Target)*
- ❖ **Don't forget licensing**
Users benefiting from PIM must be licensed
- ❖ Delayed cleanup with PIM groups – cosmetic only
- ❖ Auditing
Role activation: Resource audit
Group activation: Audit logs (**Service**=PIM, **Category**=Group Management)
- ❖ Ask Security Copilot ...

Demo ...



Wrap up - takeaway

- ❖ JIT and JEA on a group-to-role basis (1:1 or 1:n relationships)
- ❖ Administrative Units + PIM for Groups enable real-world delegation models
- ❖ Full automation of admin roles is intentionally limited – but governance fills the gap



Further Resources ...



Microsoft Learn

Licensing Infos

Use Microsoft Entra groups to manage role assignments

Restricted management administrative units in Microsoft Entra ID



Best Practices & Community

Restricted management administrative units in Microsoft Entra ID

custom activation is not working in PIM -> Tokenrefresh

Direkt URL thru Azure Portal

Direct URL thru Entra Portal



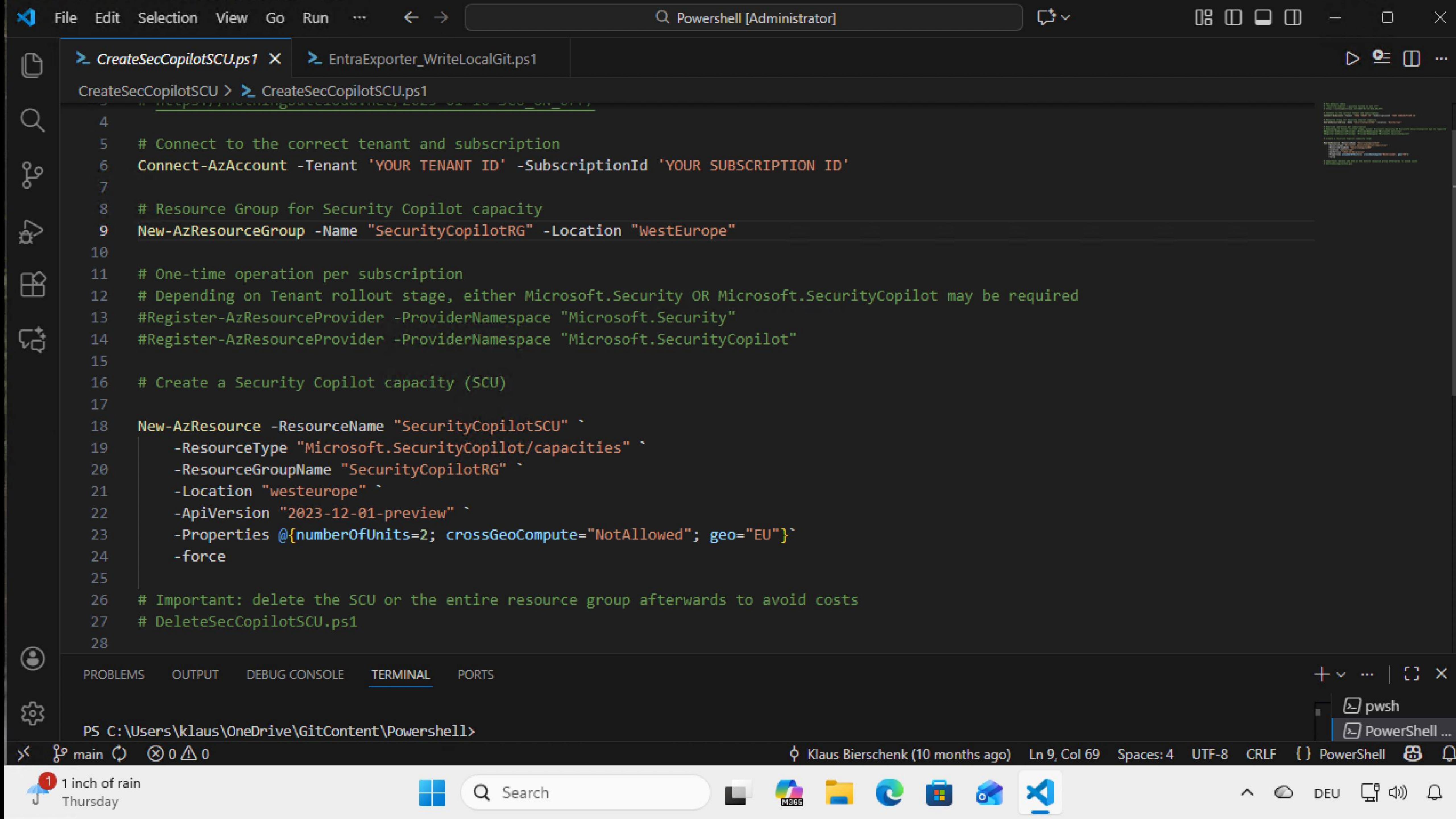
NothingButCloud Blog

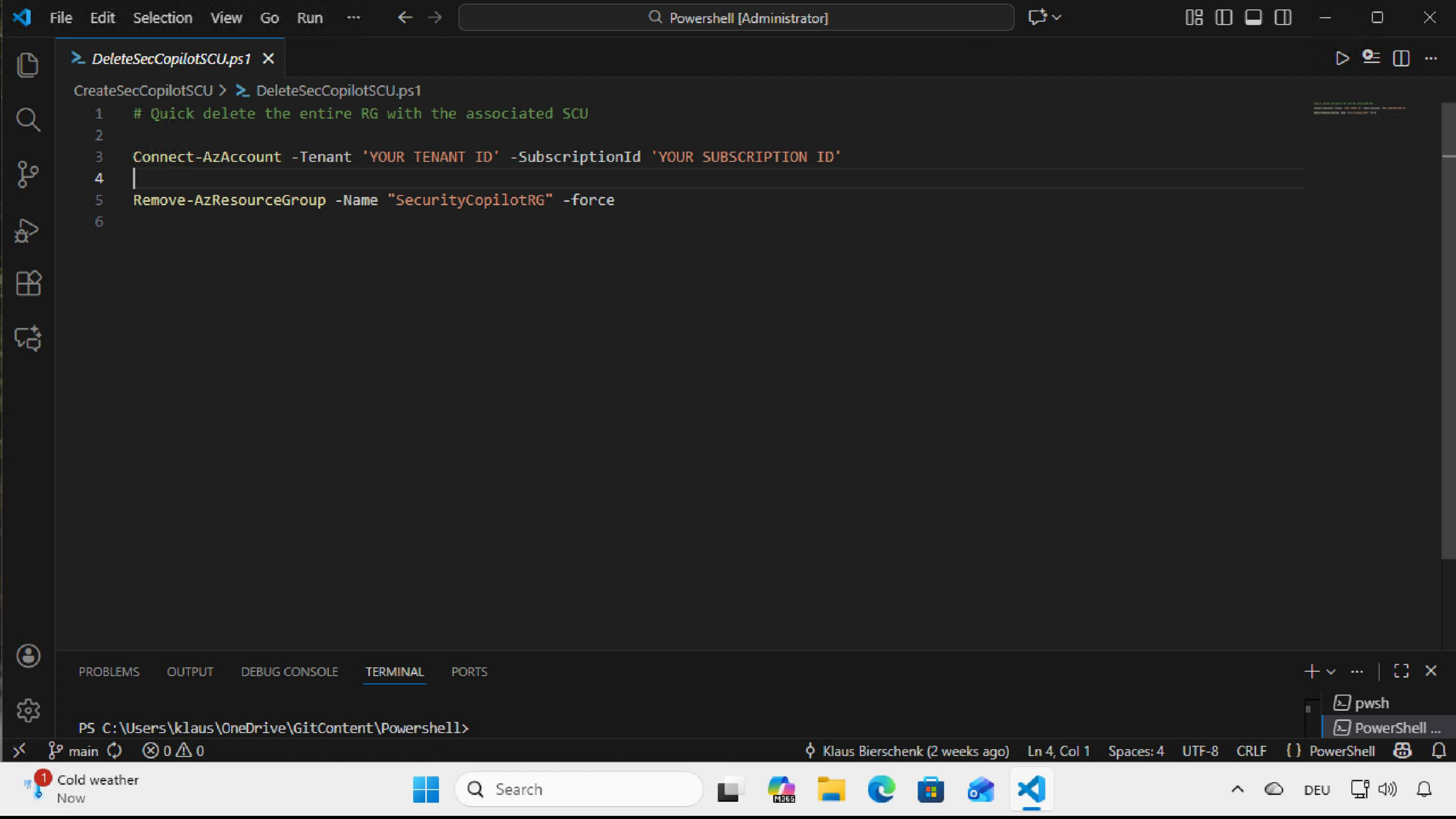
Zero Trust in Entra ID: Monitoring Break-Glass Accounts and Other Sensitive Operations

Demystifying Assignment Strategies with 'PIM for Groups'

When Static Roles Are Not Enough: Dynamic Admin Assignment for Entra AUs (class admin demo)

<https://github.com/KlaBier/Powershell/tree/main/CreateSecCopilotSCU>





Questions?