I am the VIP

Global Azure Meetup #Bergen

Bluescreen Brothers edition

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WE ARE FORTYTWO

We solve our customers challenges. Problems. We are the solution. We are technology. Using the best tools, we ensure that our customers can rely on their operations, safely, securely, in the cloud.

We`re not just experts

We're like the cosmic hitchhikers of the cloud. Our squad, versed in DevOps, Cloud Native, Security, and beyond, is on a mission to turn challenges into victories across the galaxy.

We`re not just building cloud solutions

We're navigating the cosmic waves of innovation. Step into our realm, where the solutions we craft in the Microsoft Cloud ecosystem are as robust as they are out-of-this-world.

We`re not your ordinary service provider

We're intergalactic partners in your journey to success. Dive into collaboration, and unlock a galaxy of expertise to navigate the cloud with unwavering confidence.

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The VIP experience!

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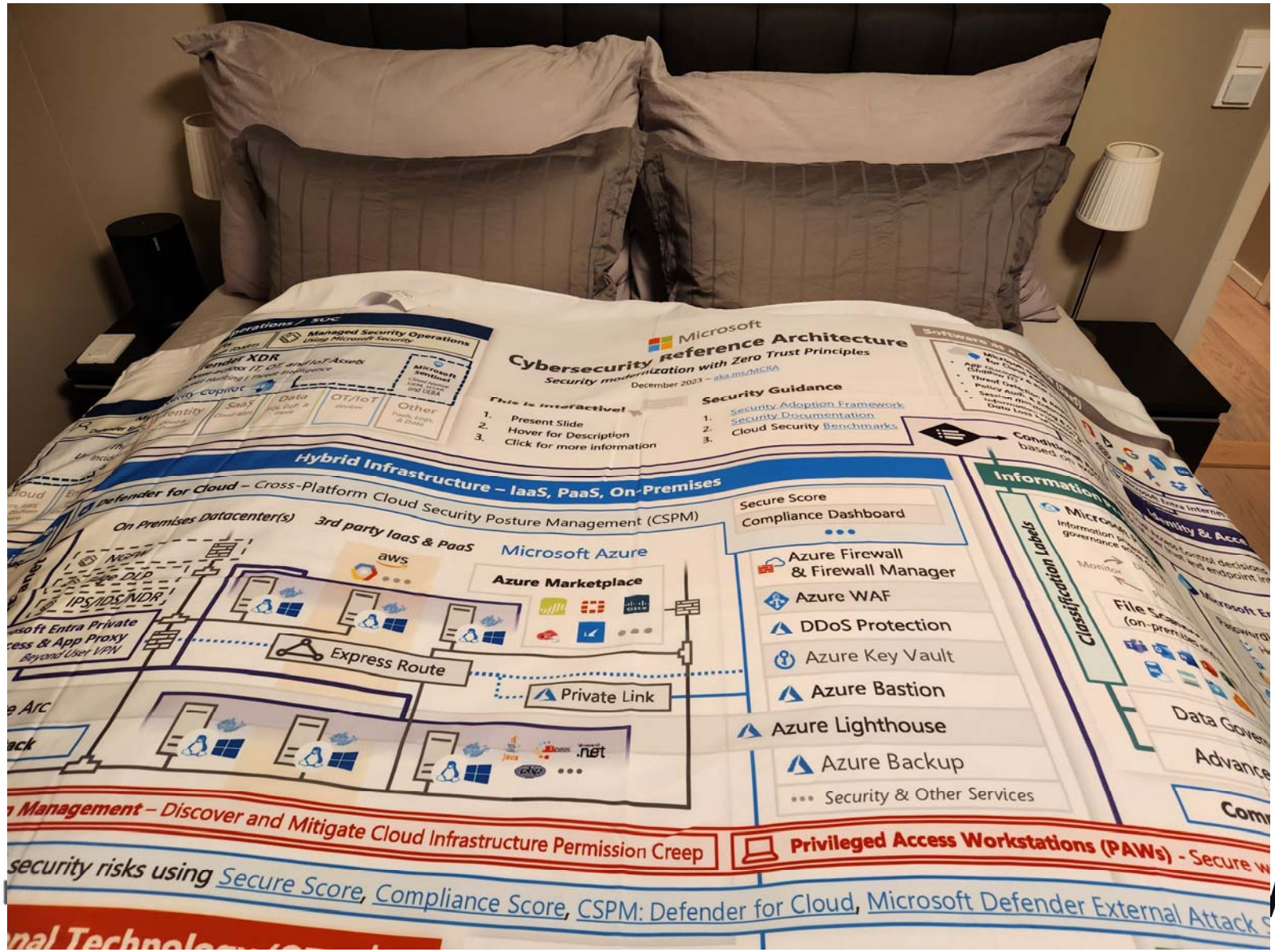

Microsoft
Cybersecurity Reference Architecture
Security modernization with Zero Trust Principles
December 2023 – aka.ms/MCRA
This is interactive!
1. Present Slide
2. Hover for Description
3. Click for more information
Security Guidance
1. Security Adoption Framework
2. Security Documentation
3. Cloud Security Benchmarks
Hybrid Infrastructure – IaaS, PaaS, On-Premises
Defender for Cloud – Cross-Platform Cloud Security Posture Management (CSPM)
On Premises Datacenter(s)
3rd party IaaS & PaaS
Microsoft Azure
Azure Marketplace
Express Route
Private Link
Secure Score
Compliance Dashboard
Azure Firewall & Firewall Manager
Azure WAF
DDoS Protection
Azure Key Vault
Azure Bastion
Azure Lighthouse
Azure Backup
Security & Other Services
Classification Labels
Privileged Access Workstations (PAWs) - Secure
security risks using Secure Score, Compliance Score, CSPM: Defender for Cloud, Microsoft Defender External Attack

TLA’s

DNS
JIT
JEA
LOL

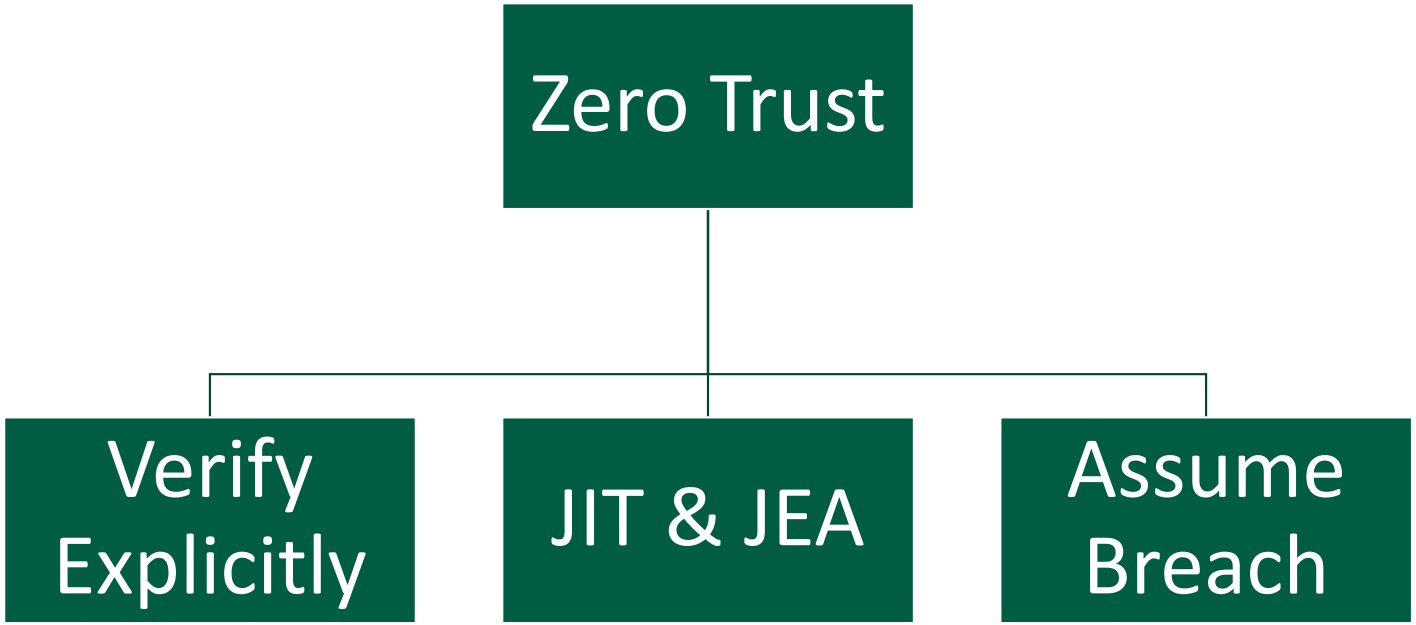
Being geeks, we quickly realized that the problem with TLAs is that there are only 17,576 unique TLAs in a 26-letter alphabet

SOAP
ISDN
ADSL
ROFL

(…)In a 1998 newsletter article, I declared them to be FLAPs. This stands for four-Letter Acronym package, and of course, FLAP itself is a FLAP

Microsoft have used them all up the summer before last.

ZT, VE, JIT, JEA & AB går inn i en bar



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Who are you?

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What are you accessing?

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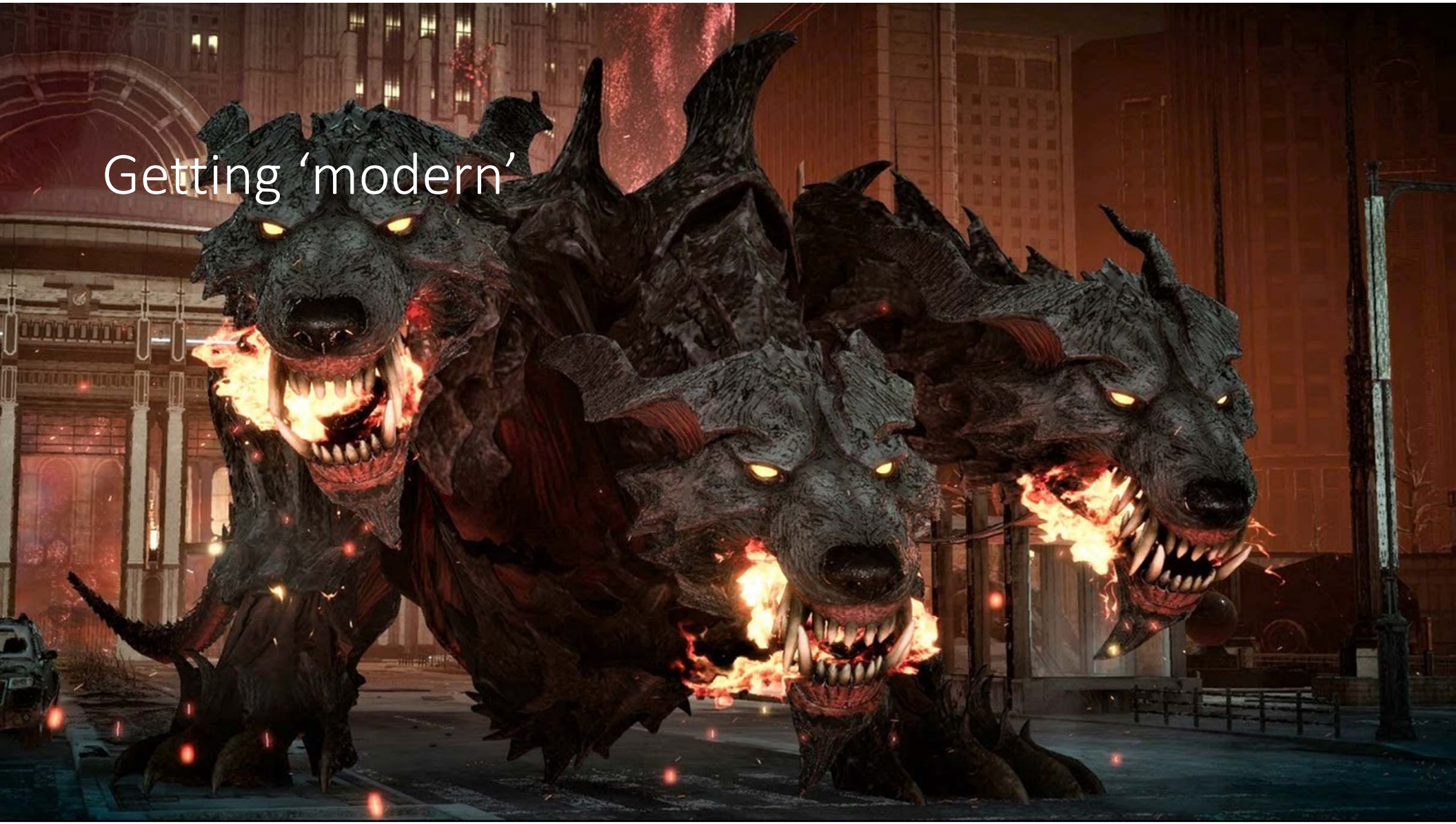
Getting ‘modern’



Customized or Built-in, spiller det noen rolle(r)?

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Azure Resources – Default Owner


```
{
  "assignableScopes": [
    "/"
  ],
  "description": "Grants full access to manage all resources, including the ability to assign roles in Azure RBAC.",
  "id": "/providers/Microsoft.Authorization/roleDefinitions/8e3af657-a8ff-443c-a75c-2fe8c4bcb635",
  "name": "8e3af657-a8ff-443c-a75c-2fe8c4bcb635",
  "permissions": [
    {
      "actions": [
        "*"
      ],
      "notActions": [],
      "dataActions": [],
      "notDataActions": []
    }
  ],
  "roleName": "Owner",
  "roleType": "BuiltInRole",
  "type": "Microsoft.Authorization/roleDefinitions"
}
```


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Azure Resources – Default Contributor


```
{
  "assignableScopes": [
    "/"
  ],
  "description": "Grants full access to manage all resources,but does not allow you to assign roles in Azure RBAC, manage assignments in Azure Blueprints, or share image galleries.",
  "id": "/providers/Microsoft.Authorization/roleDefinitions/b24988ac-6180-42a0-ab88-20f7382dd24c",
  "name": "b24988ac-6180-42a0-ab88-20f7382dd24c",
  "permissions": [
    {
      "actions": [
        "*"
      ],
      "notActions": [
        "Microsoft.Authorization/*/Delete",
        "Microsoft.Authorization/*/Write",
        "Microsoft.Authorization/elevateAccess/Action",
        "Microsoft.Blueprint/blueprintAssignments/write",
        "Microsoft.Blueprint/blueprintAssignments/delete",
        "Microsoft.Compute/galleries/share/action",
        "Microsoft.Purview/consents/write",
        "Microsoft.Purview/consents/delete"
      ],
      "dataActions": [],
      "notDataActions": []
    }
  ],
  "roleName": "Contributor",
  "roleType": "BuiltInRole",
  "type": "Microsoft.Authorization/roleDefinitions"
}
```


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notActions

```
"notActions": [
                "Microsoft.Network/virtualNetworks/write",
                "Microsoft.Network/virtualNetworks/delete",
                "Microsoft.Network/vpnGateways/*",
                "Microsoft.Network/azurefirewalls/*",
                "Microsoft.Network/expressRouteCircuits/*",
                "Microsoft.Network/routeTables/write",
                "Microsoft.Network/routeTables/delete",
                "Microsoft.Network/routeTables/routes/write",
                "Microsoft.Network/routeTables/routes/delete",
                "Microsoft.Network/virtualNetworks/virtualNetworkPeerings/write",
                "Microsoft.Network/virtualNetworks/virtualNetworkPeerings/delete",
                "Microsoft.Network/vpnSites/*“
                ],
```

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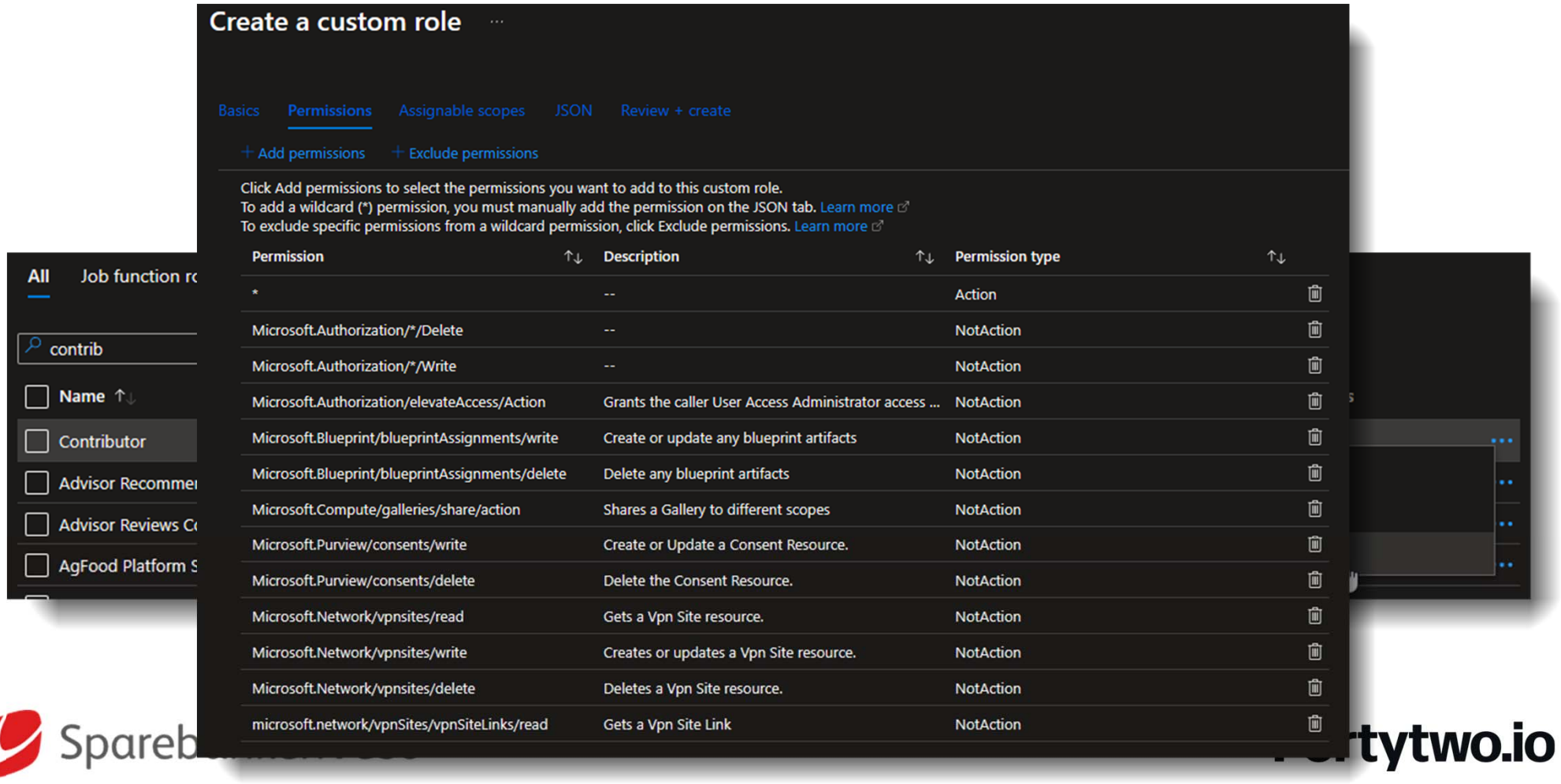
Customizing the Portal way



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The missing 


```
Get-AzRoleDefinition Contributor | ConvertTo-Json

New-AzRoleDefinition -InputFile "C:\CustomRoles\Contributor-NoNetwork.json"
```

https://learn.microsoft.com/en-us/azure/role-based-access-control/custom-roles

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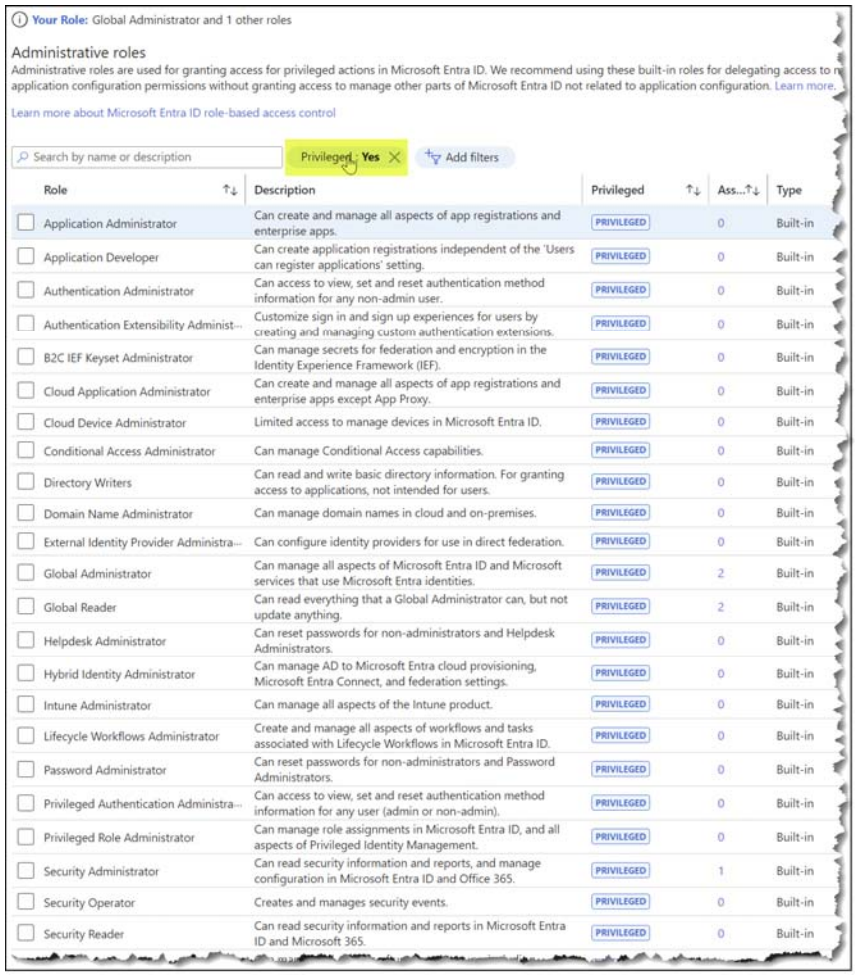
What about Entra ID?



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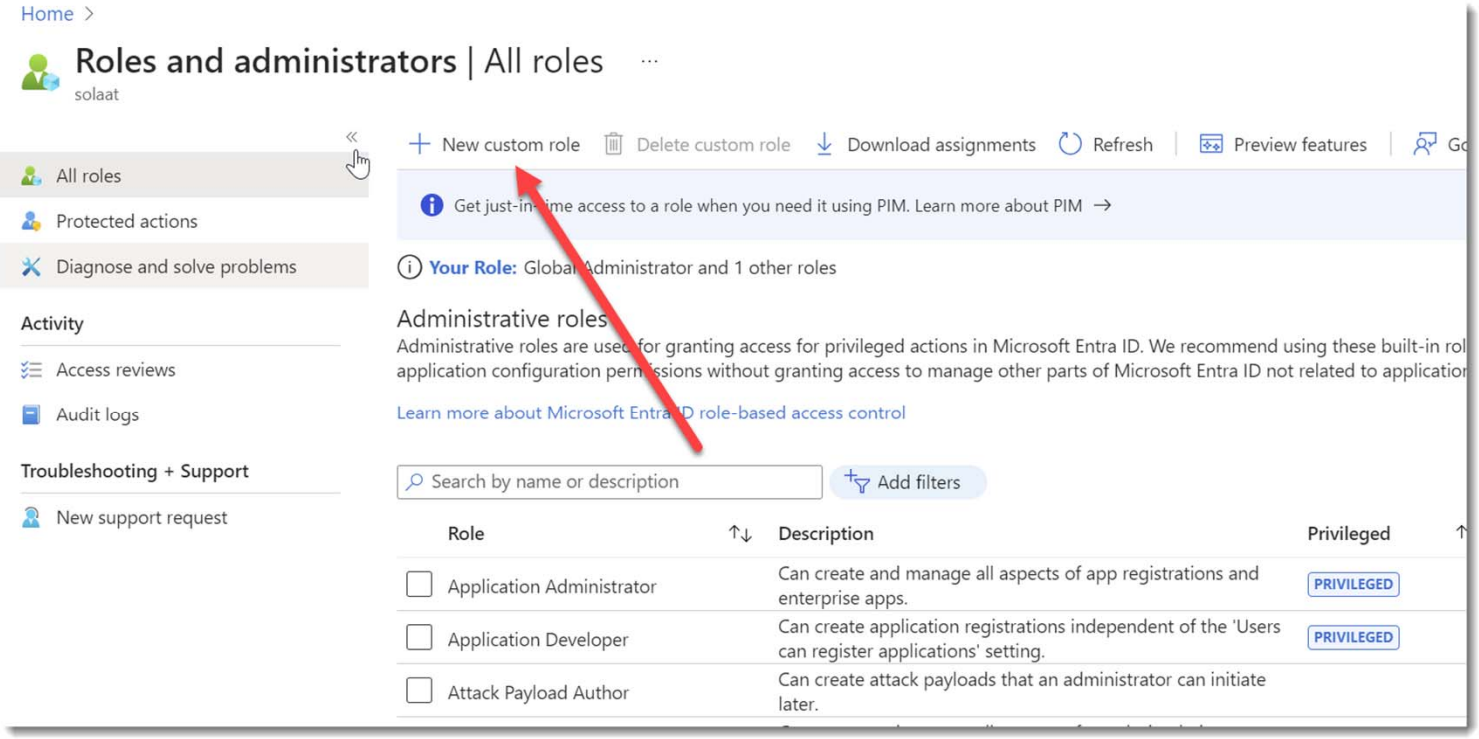
Customize?



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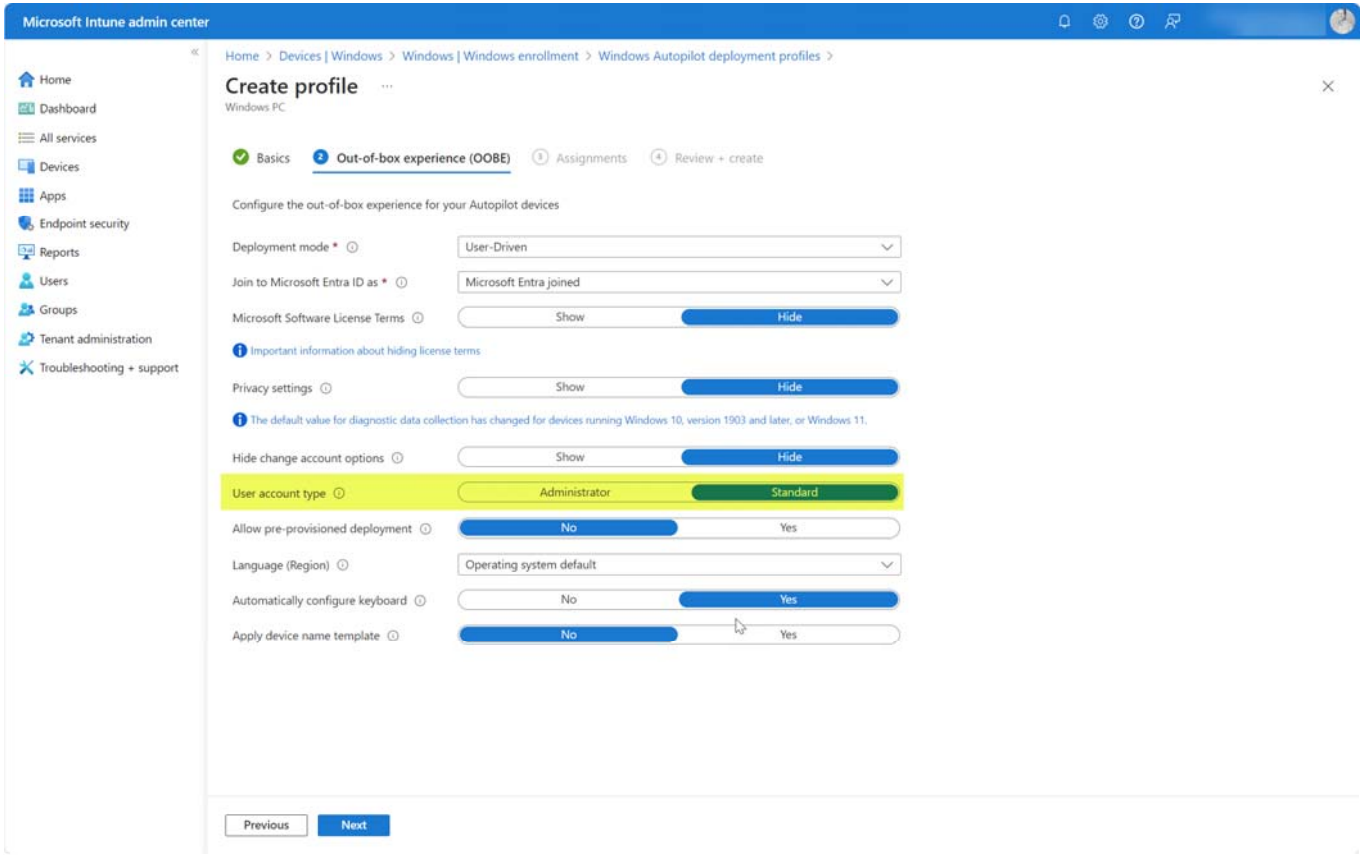
Non-local admin?



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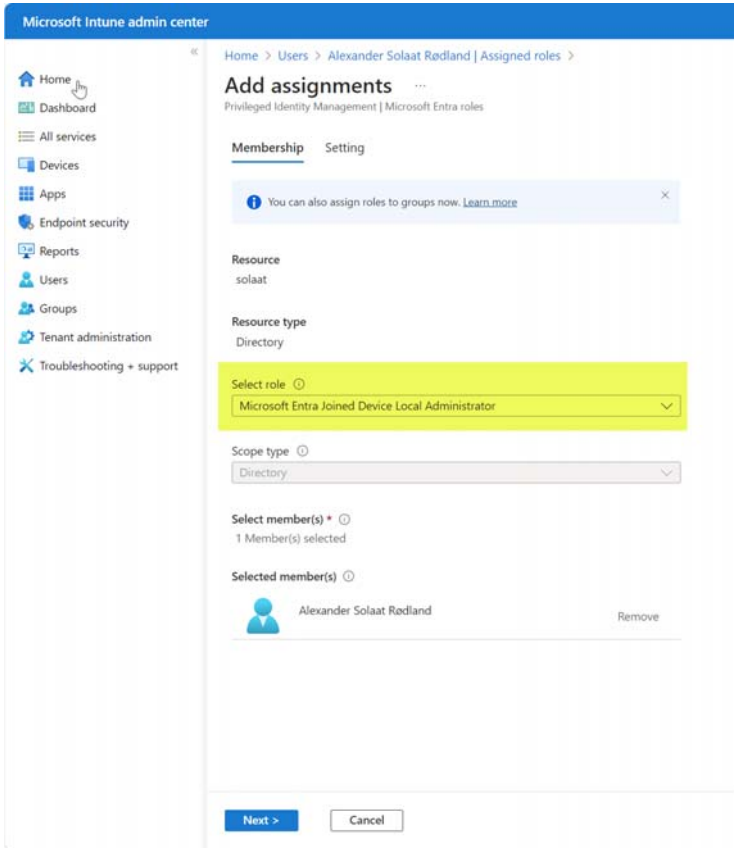
Limitations?



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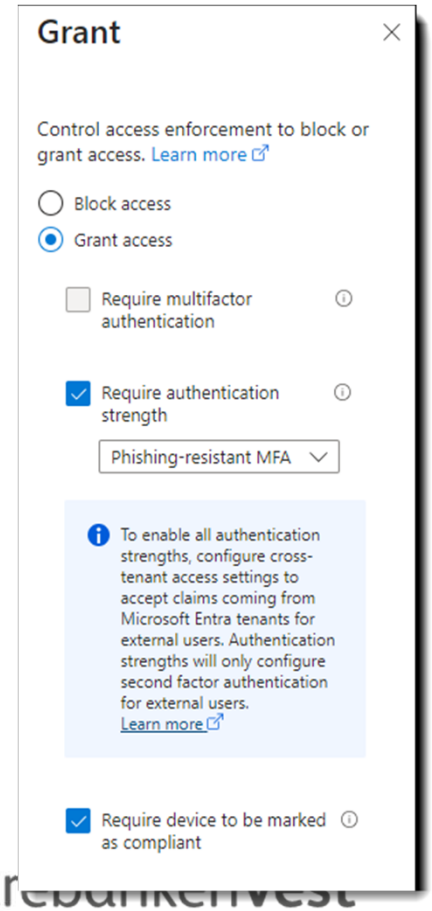
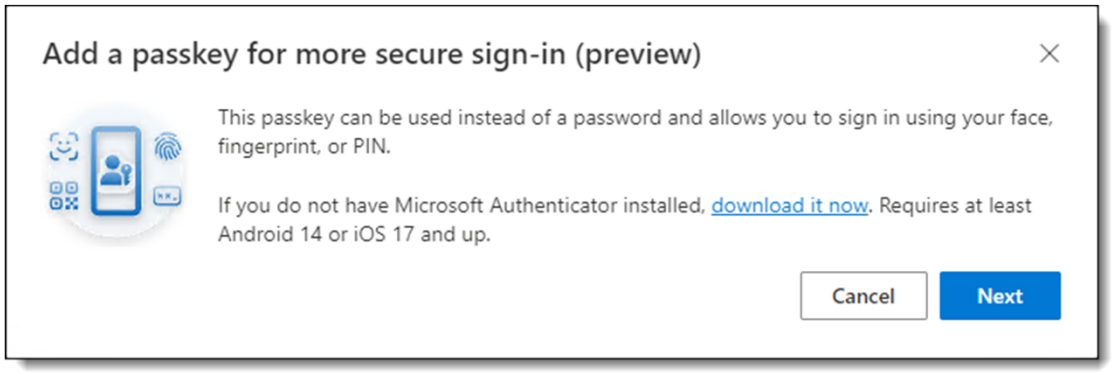
Protected actions / Conditional Access





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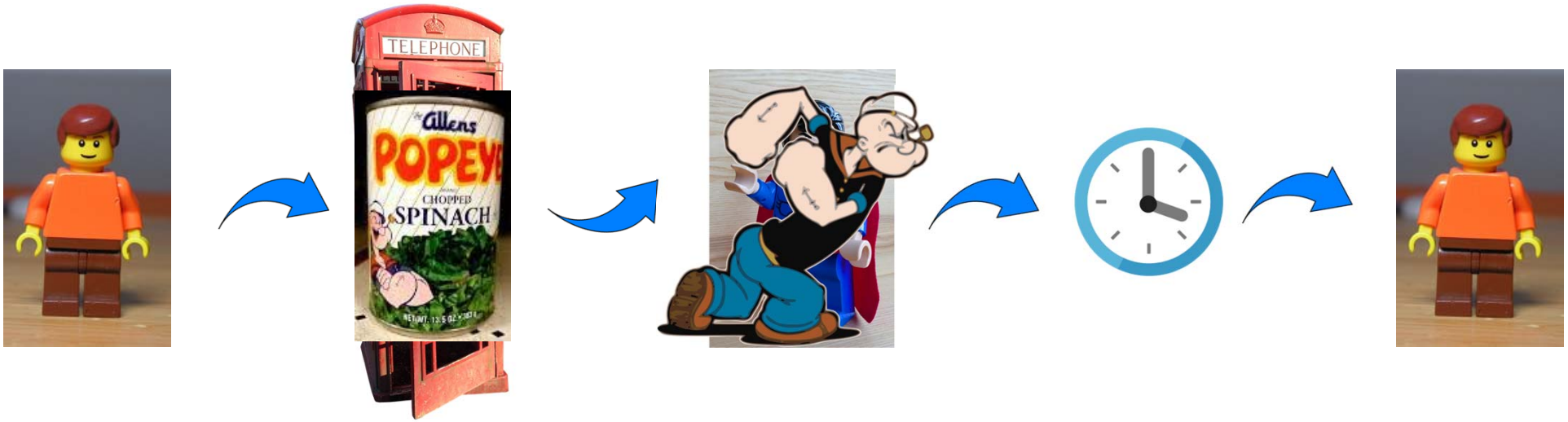
JIT What?



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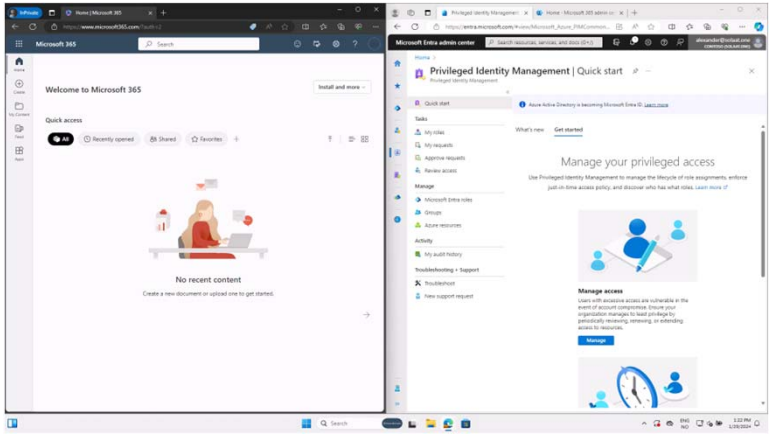
JIT & JEA fundamentals

DEMO TIME



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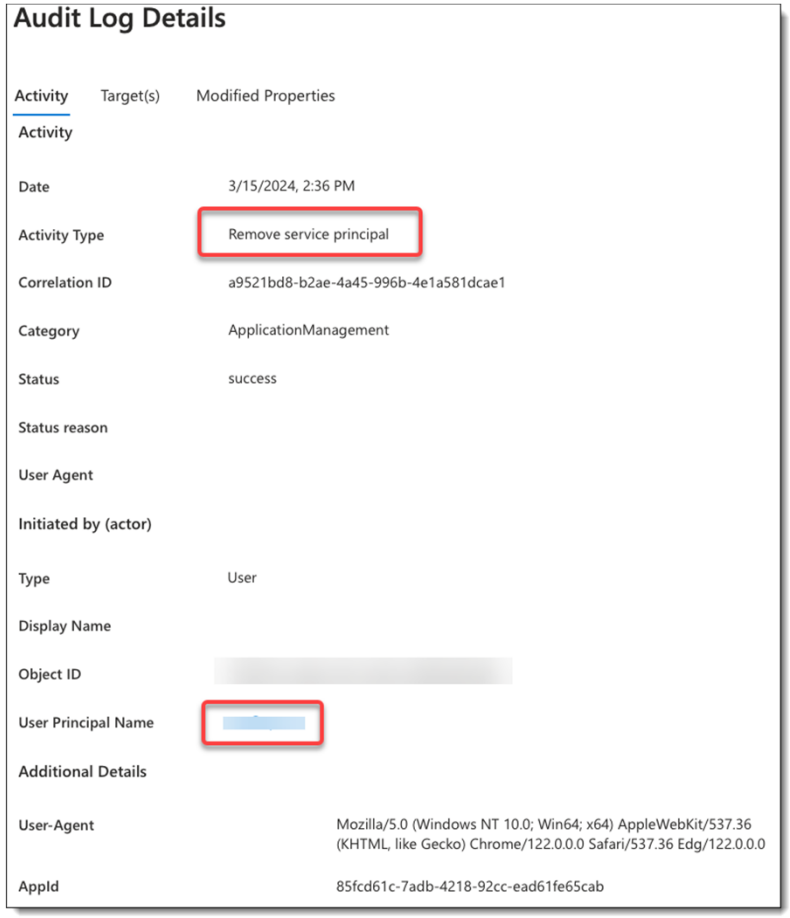

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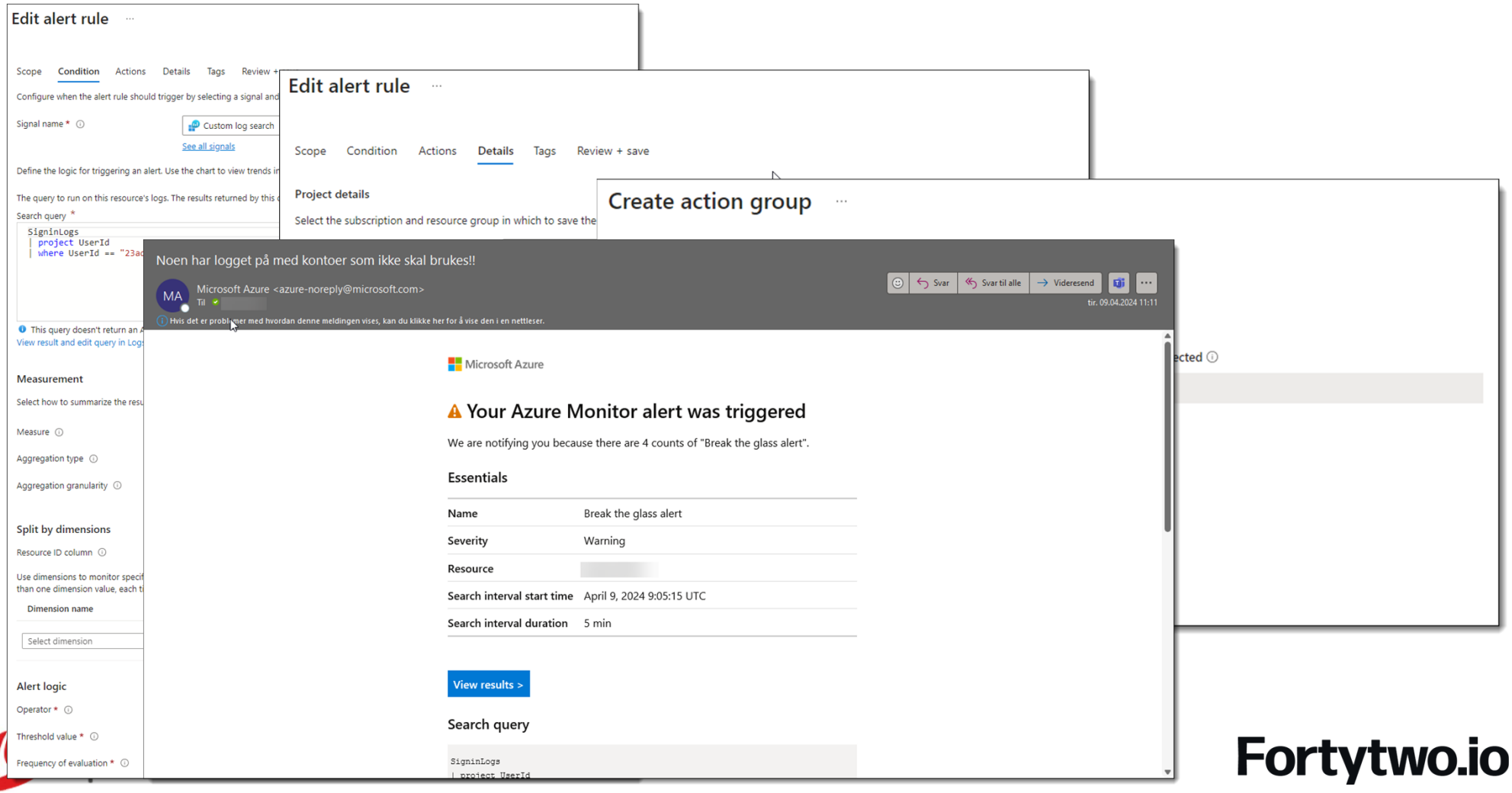
Account monitorering (VIPs / BGA)



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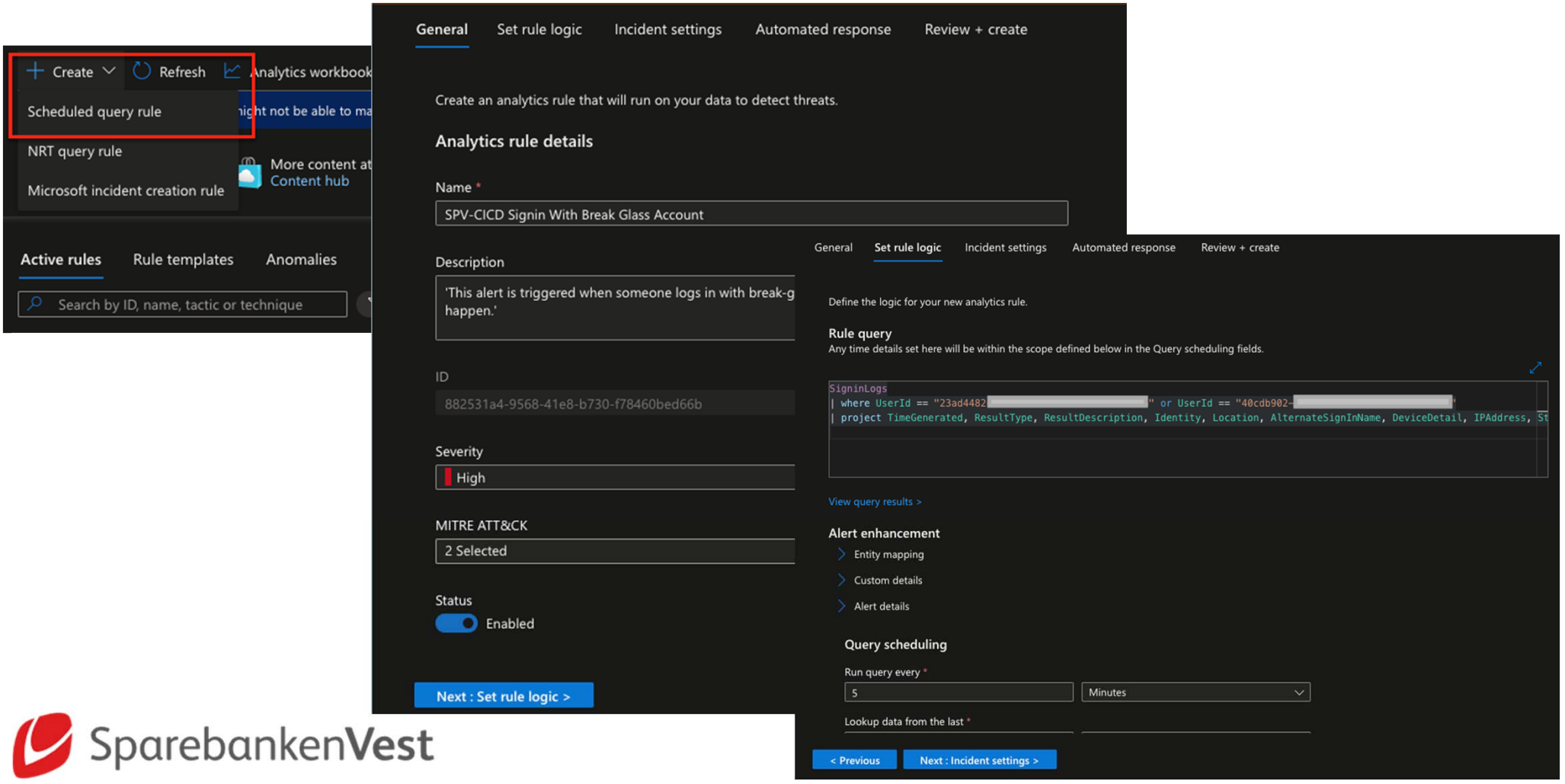

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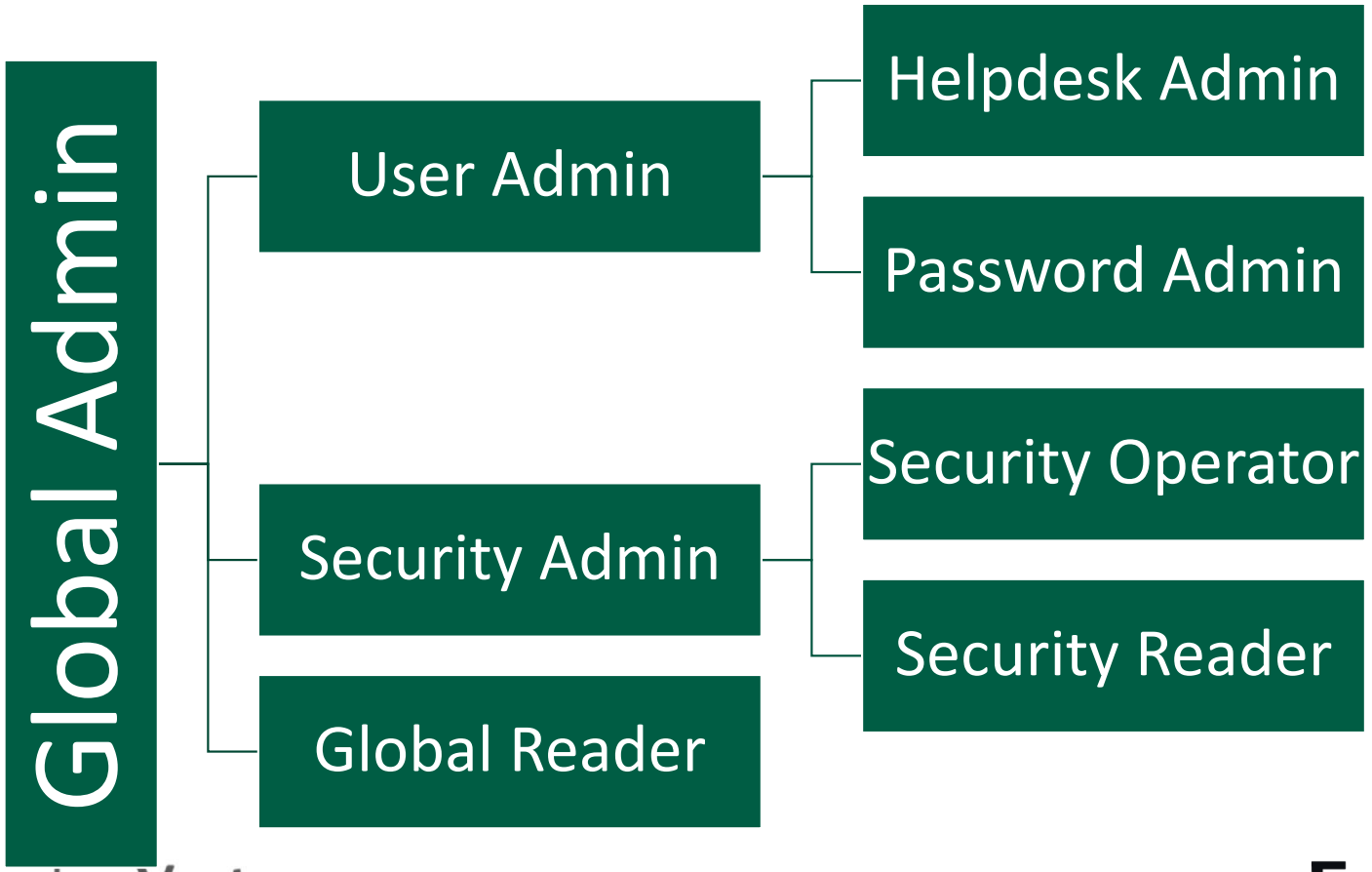
Too many cooks?

Knowing the many layers of ~~JEA~~ M365- rights



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Customized or Built-in, spiller det noen rolle(r)?

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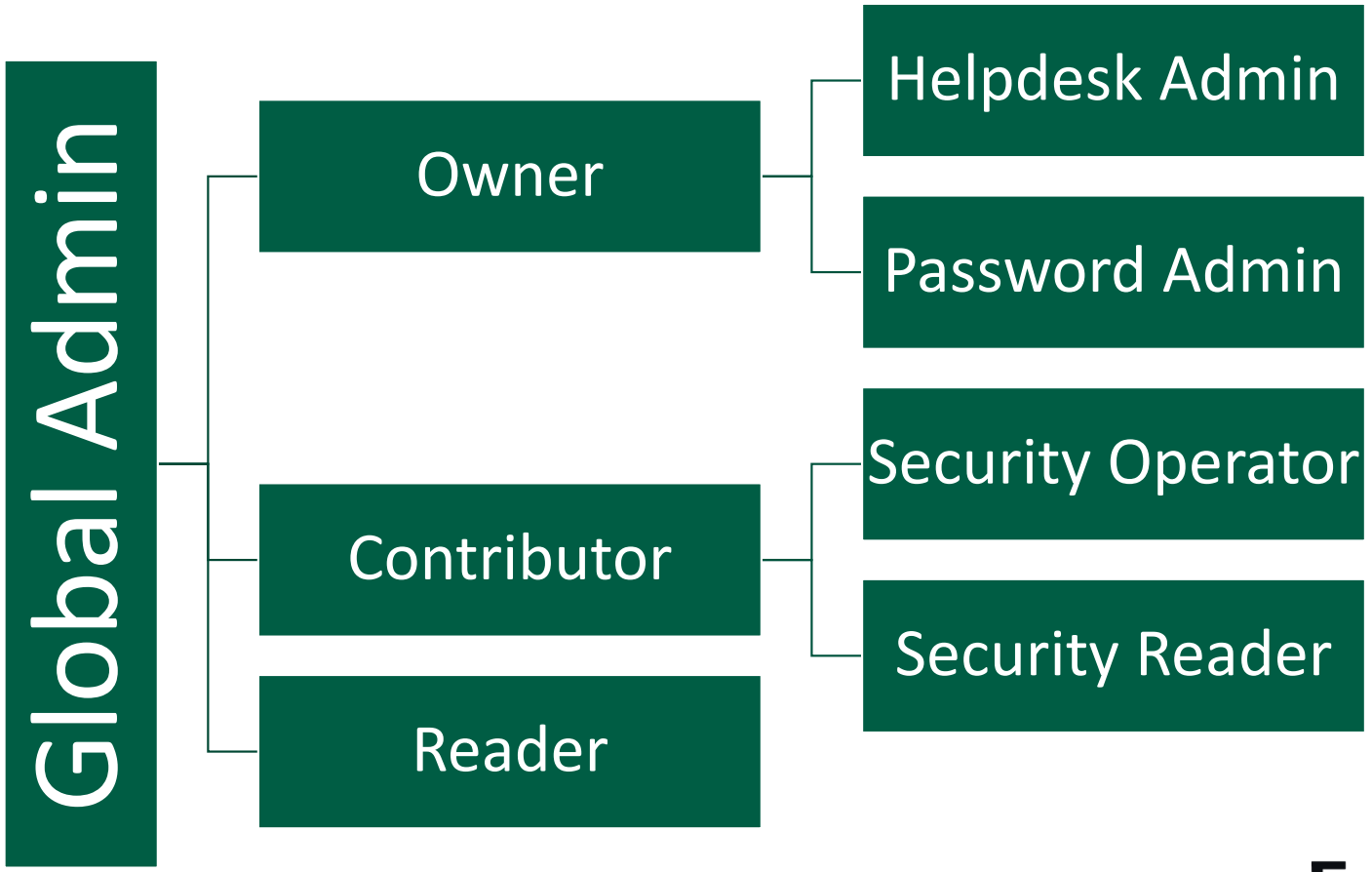
Too many cooks?

Knowing the many layers of ~~JEA~~ Azure rights



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Alexander Solaat Rødland
Principal Cloud Engineer @ Fortytwo

- alexander@solaat.no
- youtube.com/@bluescreenbrothers
- /in/alexsolaat

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Olav Tvedt
Cloud dude @ Sparebanken Vest

- olav@tvedt.info
- youtube.com/@bluescreenbrothers
- /in/otvedt

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