# Oh my... A user account is compromised!
# What should we do now!?

*Peter Klapwijk*

@PETER.INTHECLOUD247.COM

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# About me

Peter Klapwijk
Modern Workplace engineer @ NN Group

Like: Football, Community stuff

Award: MVP Intune + Windows

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Wortell

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A user account is compromised!

# What should we do now!?

- Disable user account
- Reset password
- Revoke sign in sessions
- Delete authentication methods

- Disable Windows devices
- Wipe or reboot Windows devices
- Retire Android, iOS and macOS devices

- *What’s needed in your environment (for example isolate a device)*

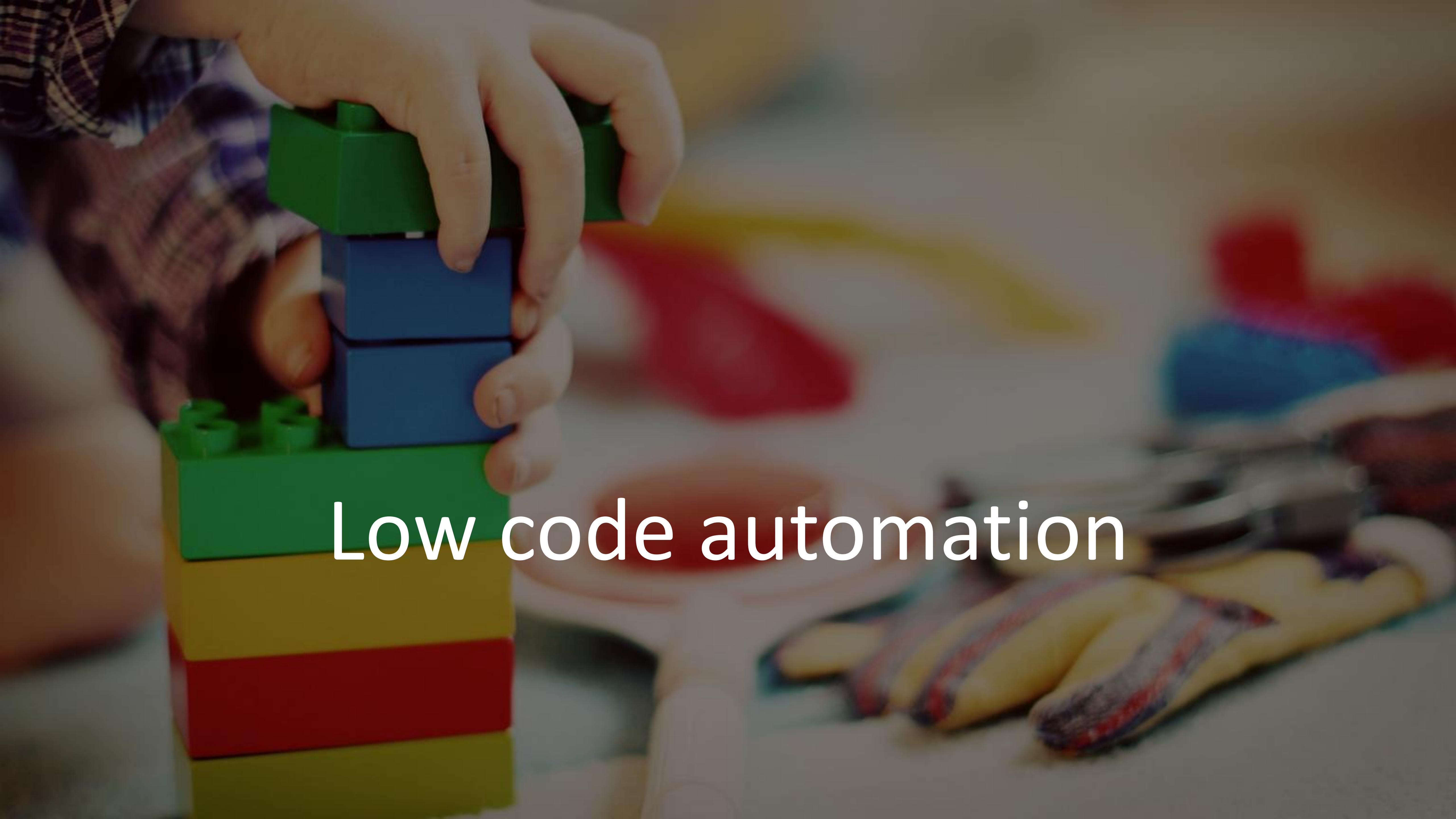
# Which service are involved

- Entra ID
- Microsoft Intune

- Defender for Endpoint (optional)
- Depends on your further needs

  *A lot is possible via Graph API*

# Let's automate this process

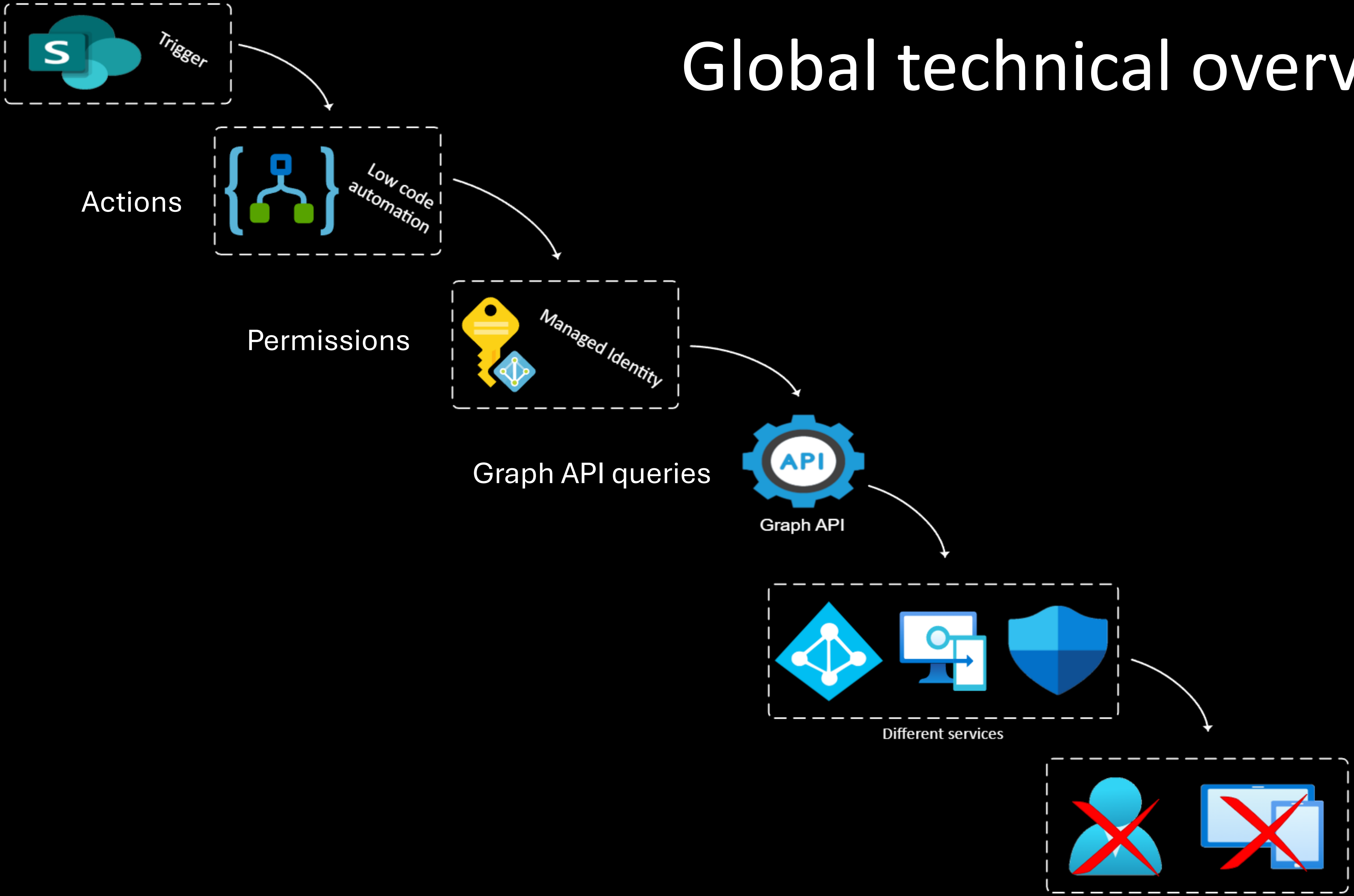


# Low code automation

# Power Automate vs Azure Logic Apps

| | | |
|---|---|---|
| Audience: | End users | IT pro, developers |
| Licensing: | Per user licensing (M365 suite) | Consumption-based or fixed pricing model via an Azure subscription |
| Use cases: | Automating everyday tasks, like managing approvals | Complex workflows, like this solution |

# Global technical overview



Trigger

Actions

Low code automation

Permissions

Managed Identity

Graph API queries

Graph API

Different services

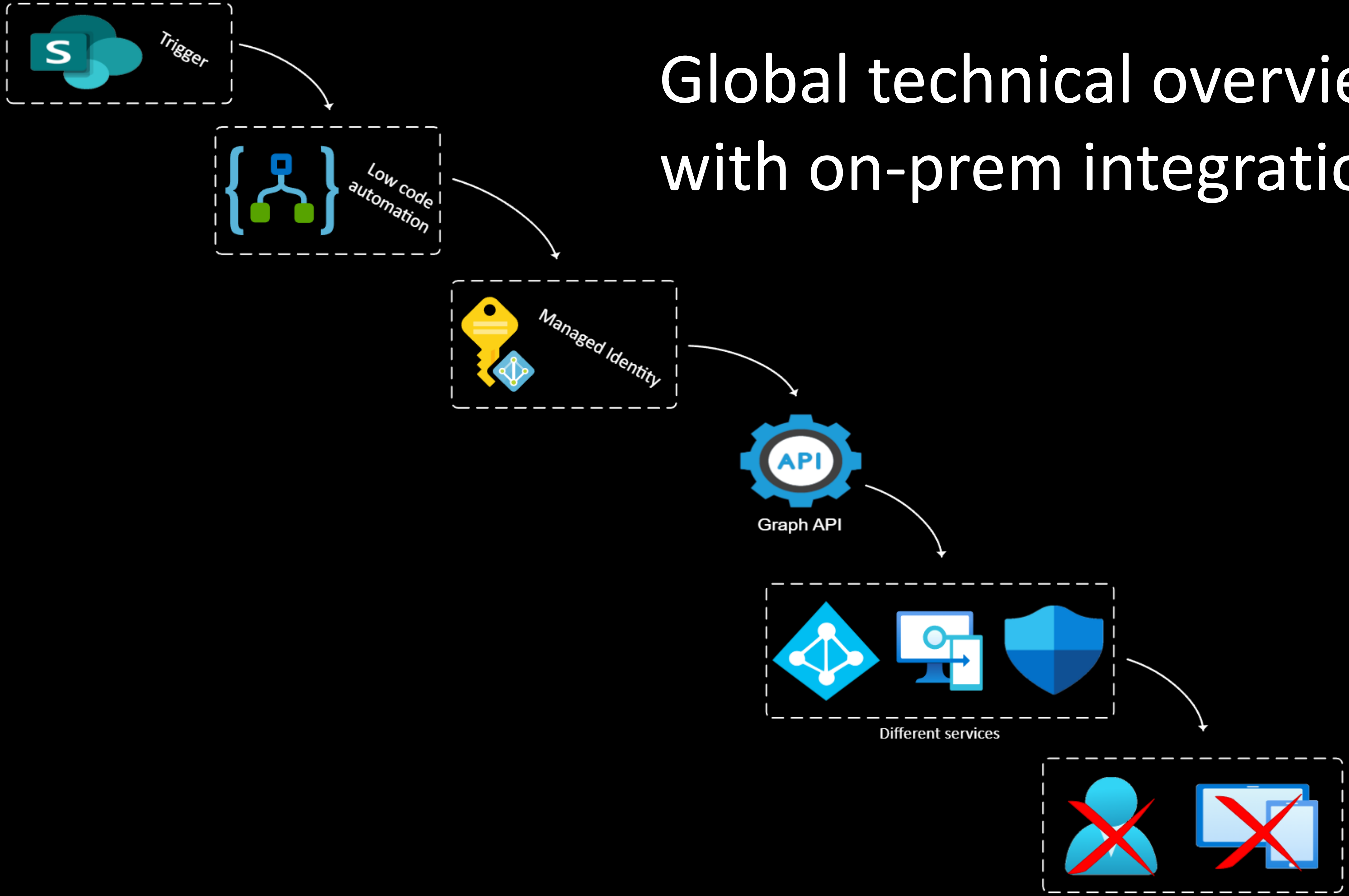
**Blog post**

# Managed Identity

- Enterprise application
- Automatically managed to get an auth token
- No username or password
- System-assigned or user-assigned
- Application permissions + User administrator role

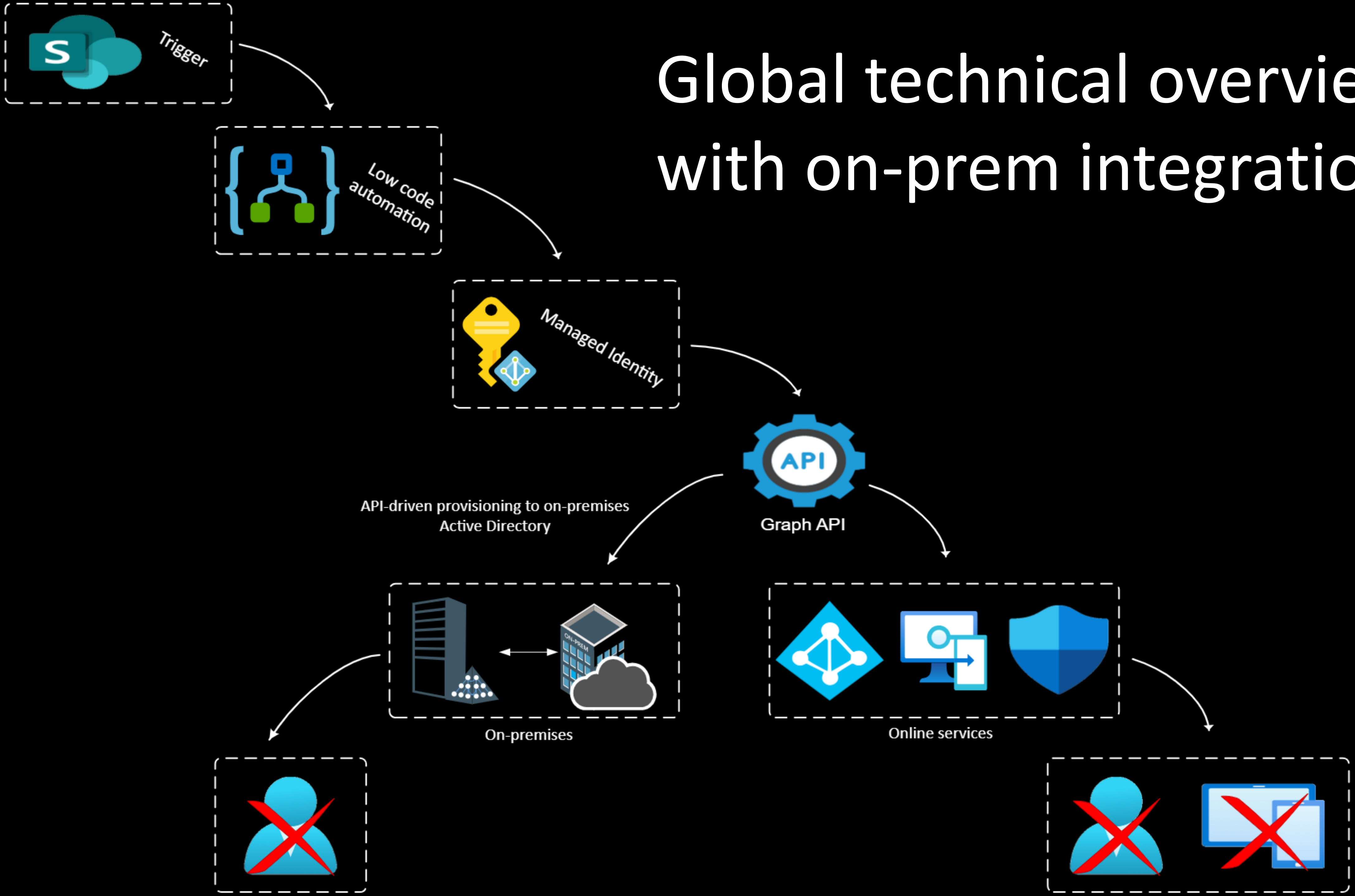
no
CODE

# Global technical overview with on-prem integration



Blog post

# Global technical overview with on-prem integration



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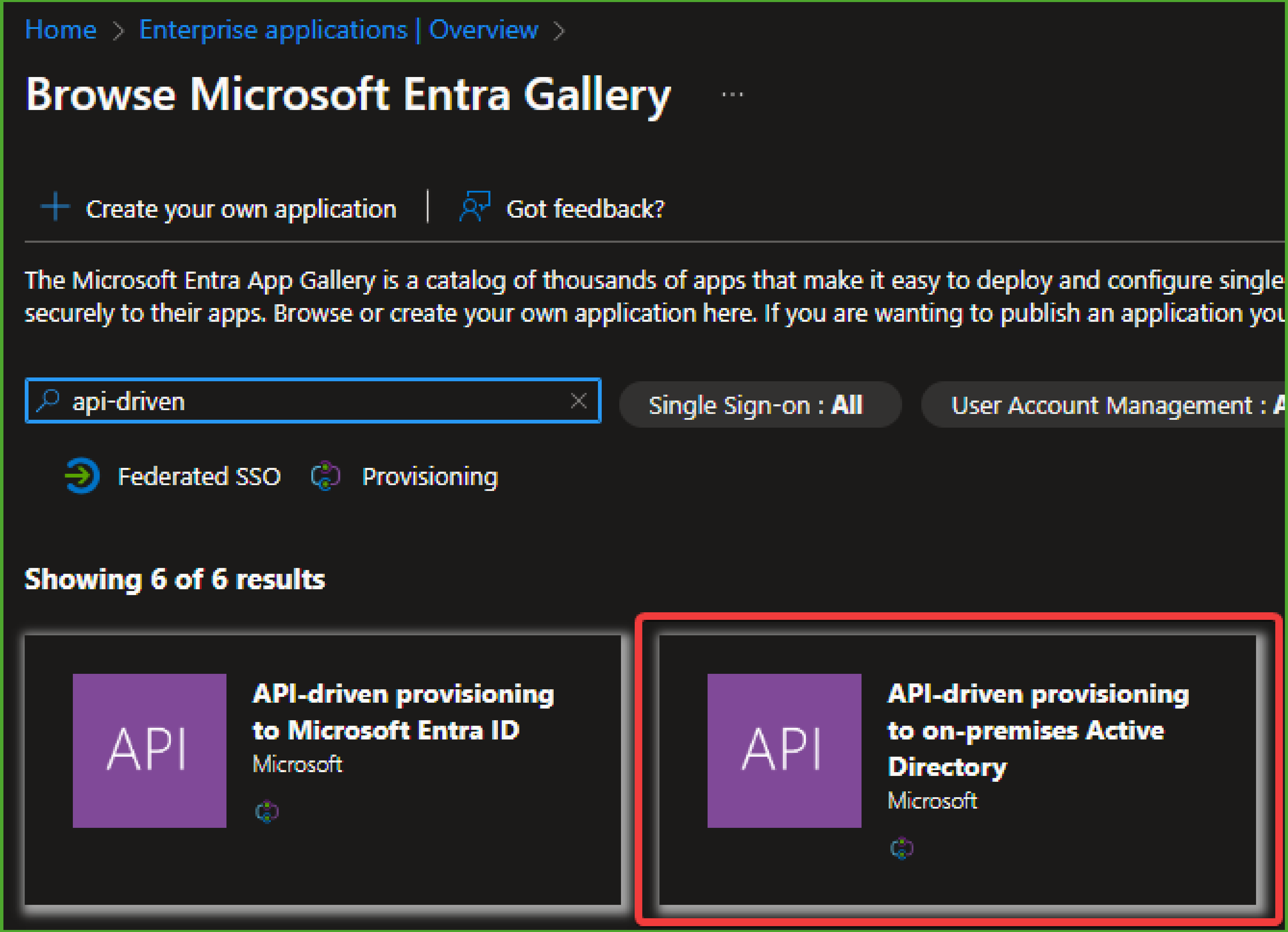


Home > Enterprise applications | Overview >

# Browse Microsoft Entra Gallery ...

+ Create your own application | Got feedback?

The Microsoft Entra App Gallery is a catalog of thousands of apps that make it easy to deploy and configure single
securely to their apps. Browse or create your own application here. If you are wanting to publish an application you

api-driven ✕

Single Sign-on : **All**

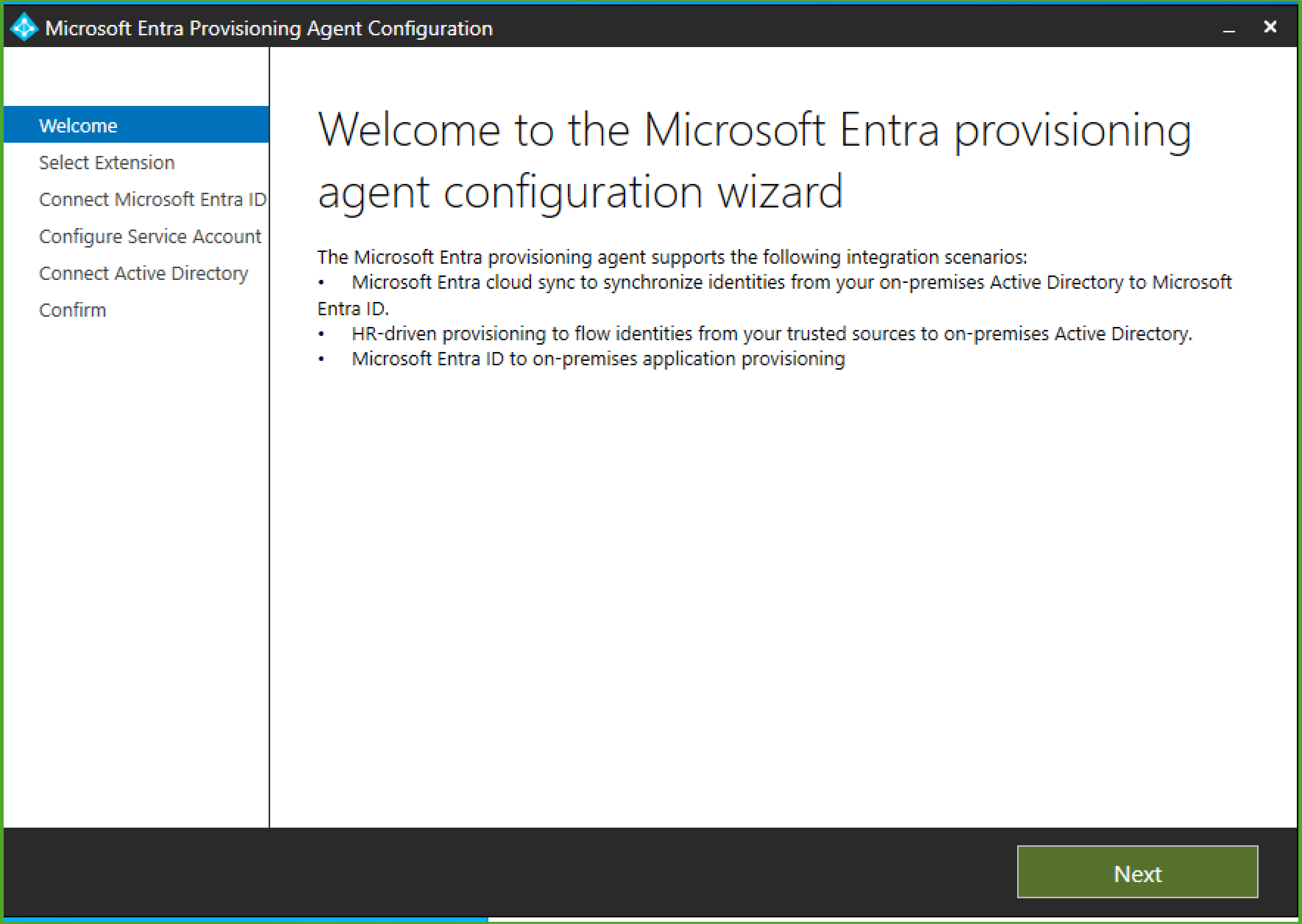
User Account Management : A

Federated SSO Provisioning

**Showing 6 of 6 results**

API **API-driven provisioning to Microsoft Entra ID**
Microsoft

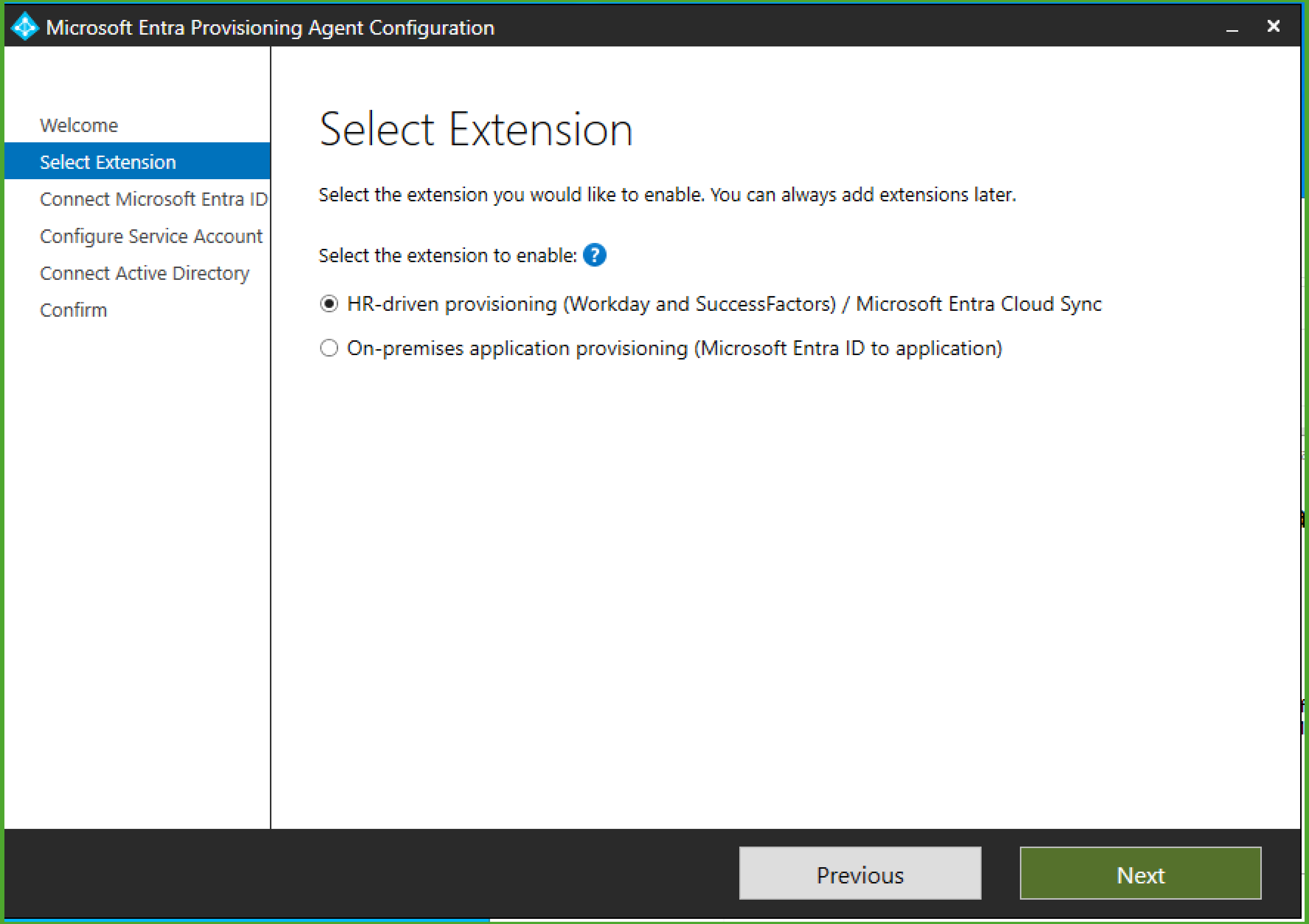
API **API-driven provisioning to on-premises Active Directory**
Microsoft


Microsoft Entra Provisioning Agent Configuration
Welcome
Select Extension
Connect Microsoft Entra ID
Configure Service Account
Connect Active Directory
Confirm
Next

# Welcome to the Microsoft Entra provisioning agent configuration wizard

The Microsoft Entra provisioning agent supports the following integration scenarios:

- Microsoft Entra cloud sync to synchronize identities from your on-premises Active Directory to Microsoft Entra ID.
- HR-driven provisioning to flow identities from your trusted sources to on-premises Active Directory.
- Microsoft Entra ID to on-premises application provisioning



Microsoft Entra Provisioning Agent Configuration
Welcome
Select Extension
Connect Microsoft Entra ID
Configure Service Account
Connect Active Directory
Confirm
Previous
Next

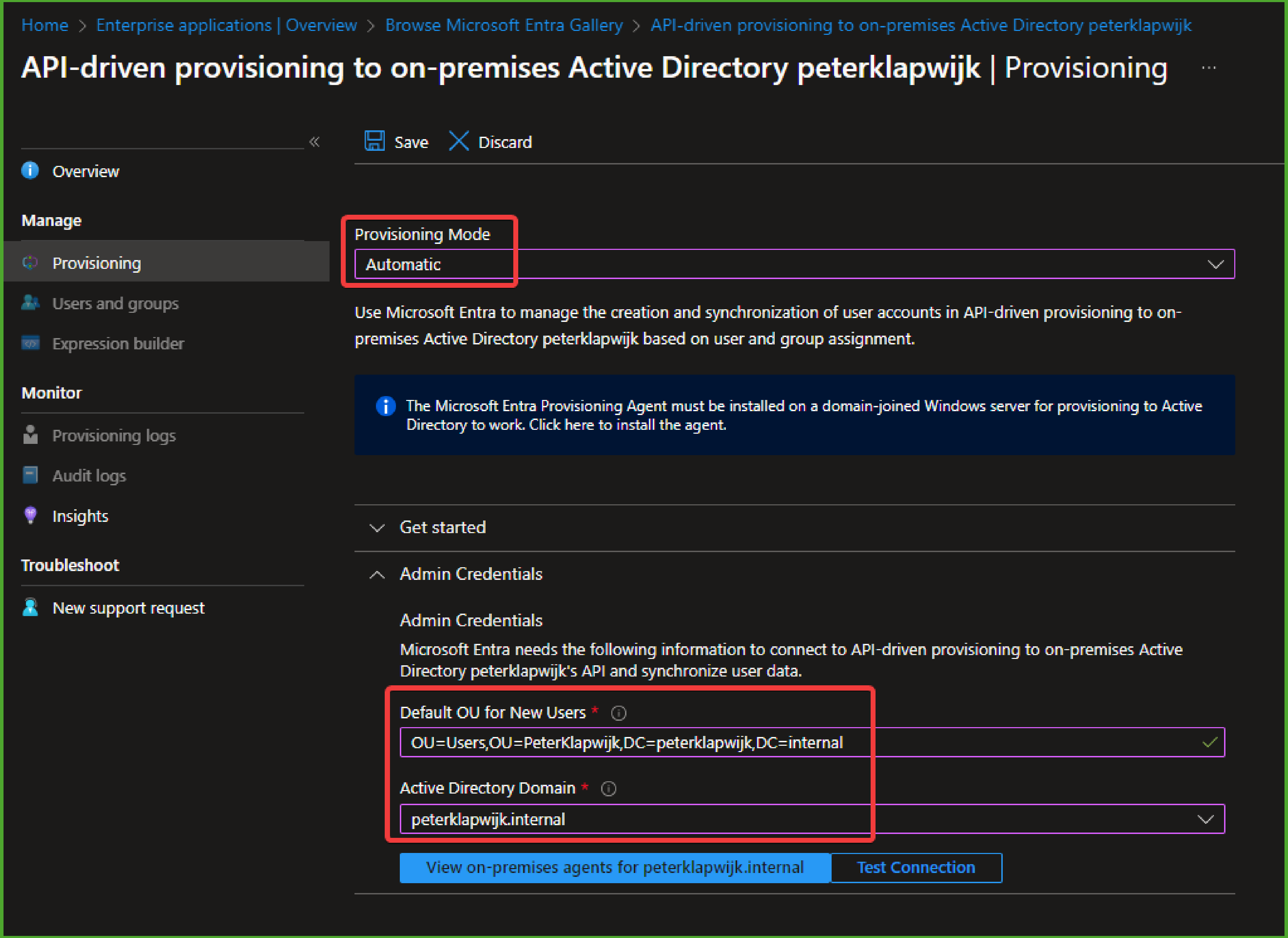
# Select Extension

Select the extension you would like to enable. You can always add extensions later.

Select the extension to enable: ?

● HR-driven provisioning (Workday and SuccessFactors) / Microsoft Entra Cloud Sync

○ On-premises application provisioning (Microsoft Entra ID to application)



Home > Enterprise applications | Overview > Browse Microsoft Entra Gallery > API-driven provisioning to on-premises Active Directory peterklapwijk

API-driven provisioning to on-premises Active Directory peterklapwijk | Provisioning

Provisioning Mode: Automatic

Use Microsoft Entra to manage the creation and synchronization of user accounts in API-driven provisioning to on-premises Active Directory peterklapwijk based on user and group assignment.

The Microsoft Entra Provisioning Agent must be installed on a domain-joined Windows server for provisioning to Active Directory to work. Click here to install the agent.

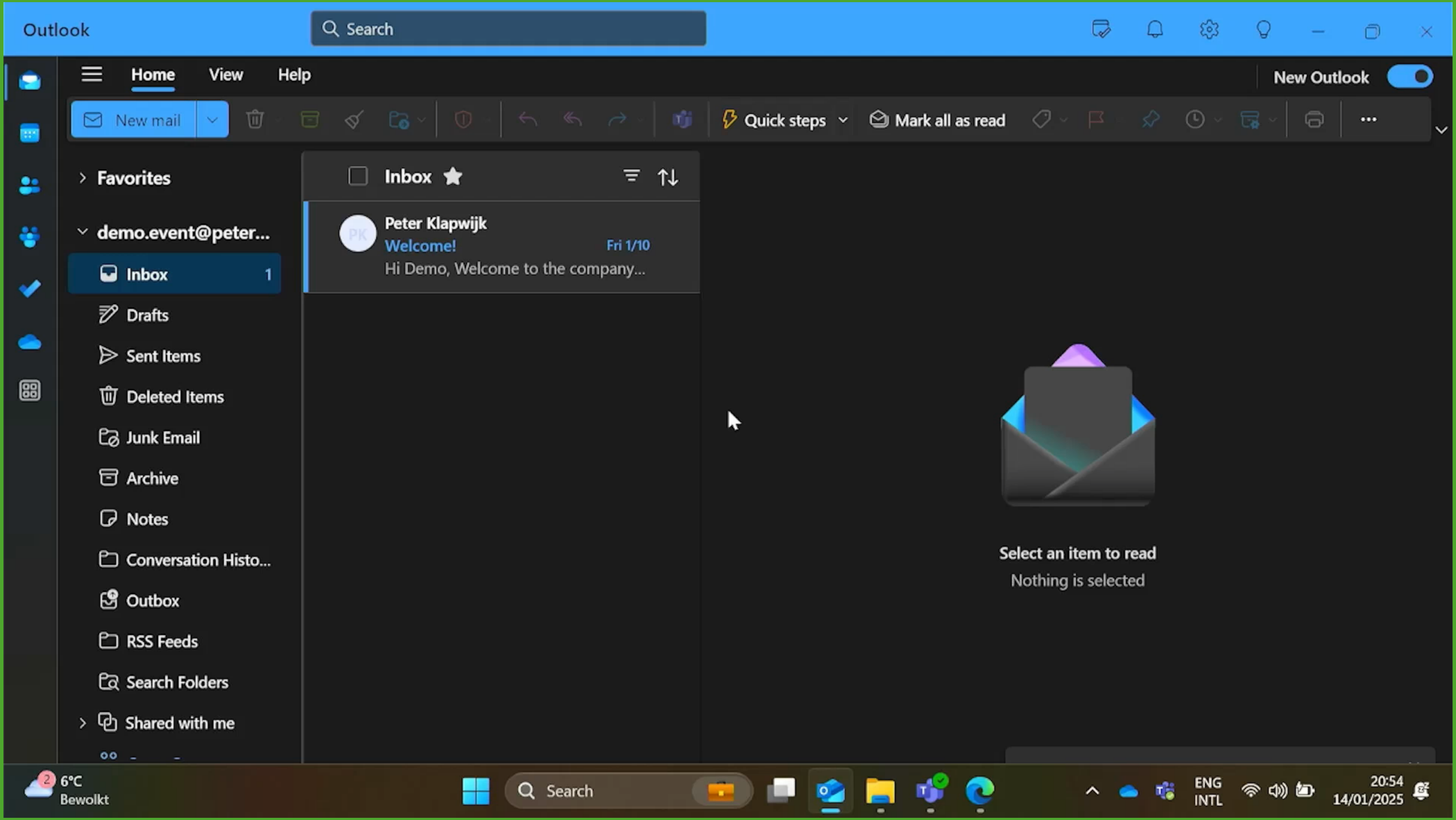
Admin Credentials

Microsoft Entra needs the following information to connect to API-driven provisioning to on-premises Active Directory peterklapwijk's API and synchronize user data.

Default OU for New Users *: OU=Users,OU=PeterKlapwijk,DC=peterklapwijk,DC=internal

Active Directory Domain *: peterklapwijk.internal

# It’s that simple!



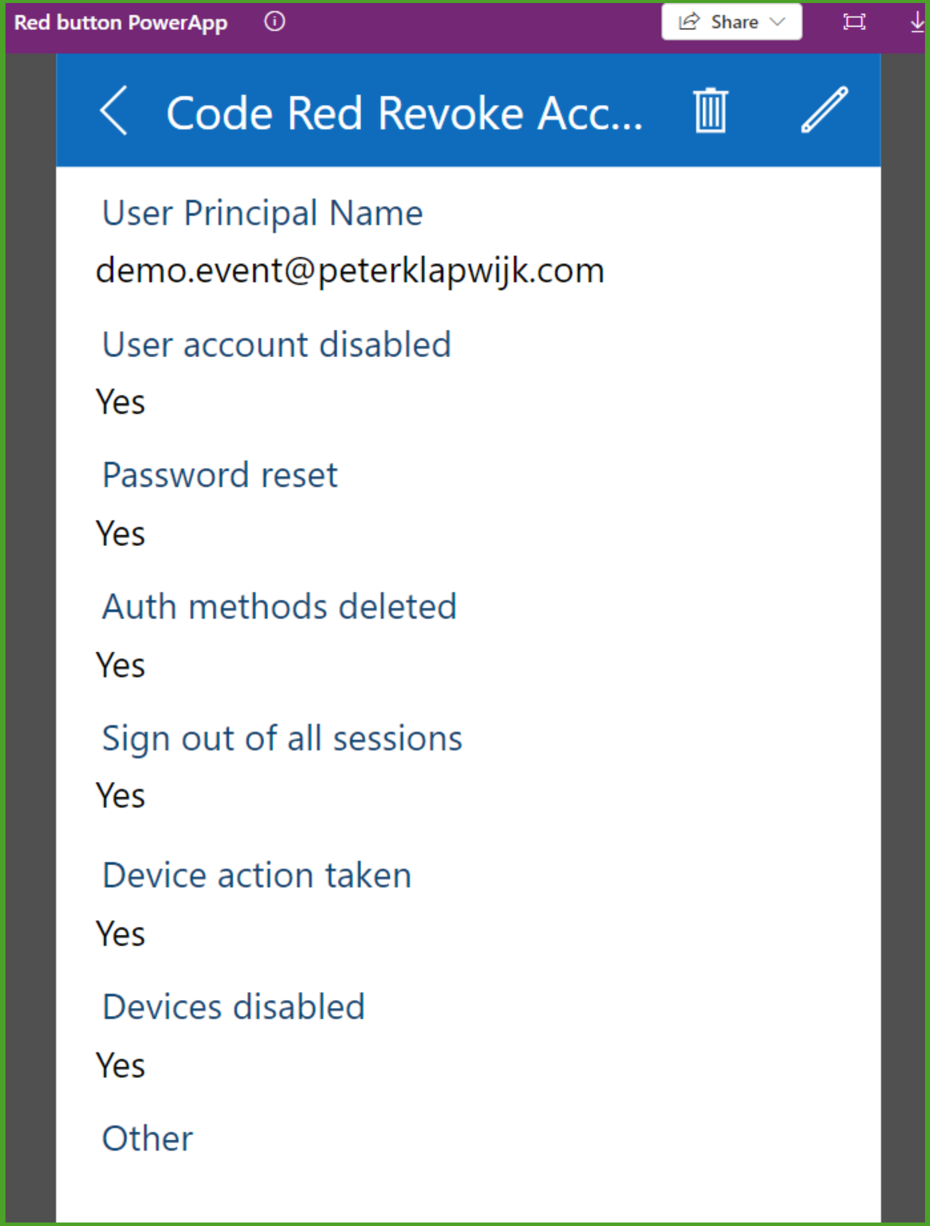
Peter Klapwijk

Welcome! Fri 1/10

Hi Demo, Welcome to the company...

Select an item to read

Nothing is selected



Code Red Revoke Acc...

User Principal Name

demo.event@peterklapwijk.com

User account disabled

Yes

Password reset

Yes

Auth methods deleted

Yes

Sign out of all sessions

Yes

Device action taken

Yes

Devices disabled

Yes

Other

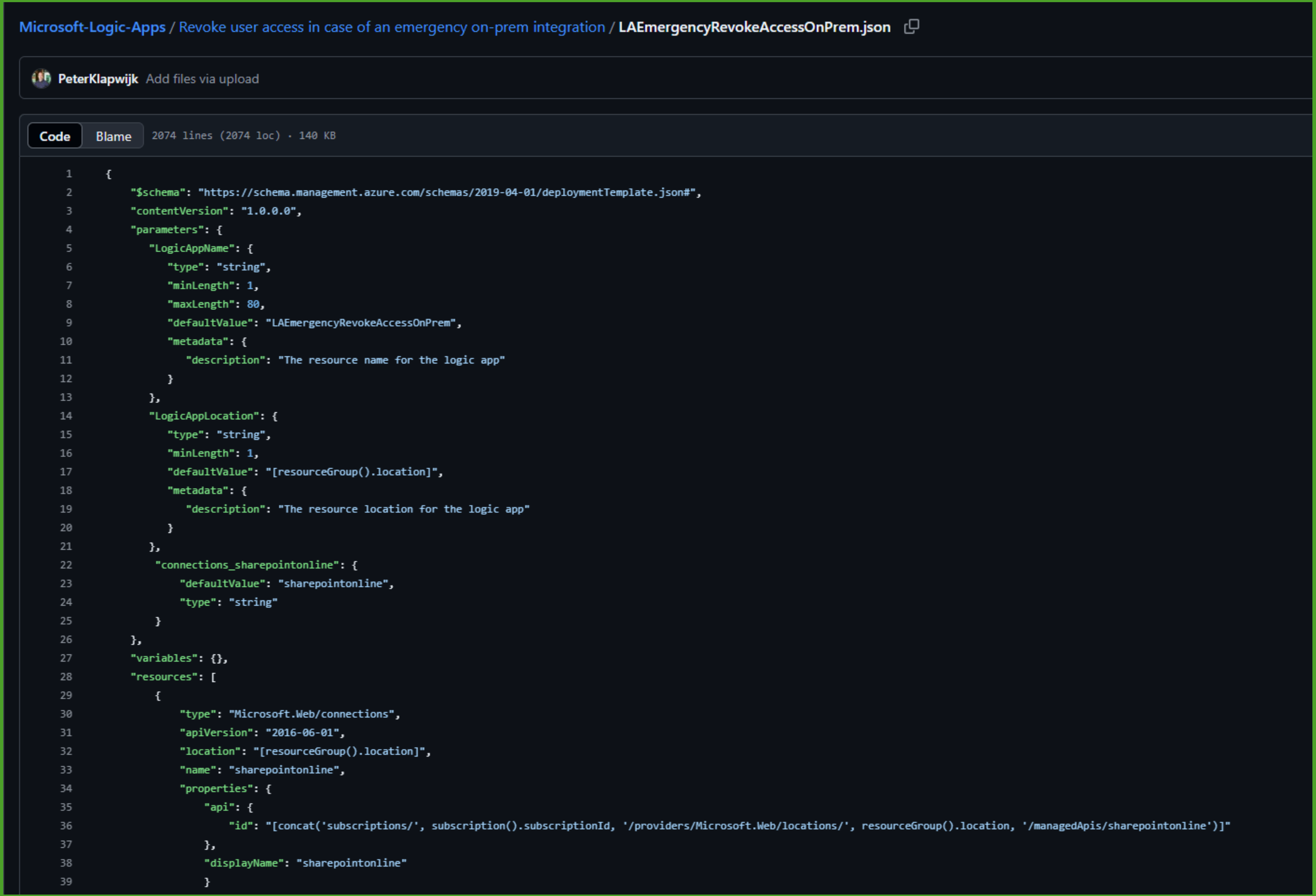
# Wrapping up what we should do

- Disable user account
- Reset password
- Revoke sign in sessions
- Delete authentication methods
- Disable Windows devices (Entra ID)
- Take device actions (Intune)

*Depends on your needs;*

- *Isolate device*
- *Delete Windows Hello credentials from local device (remediation script)*
- *If you have APIs available, you can automate the action!*

AUTOMATE!



Microsoft-Logic-Apps / Revoke user access in case of an emergency on-prem integration / LAEmergencyRevokeAccessOnPrem.json

PeterKlapwijk Add files via upload

2074 lines (2074 loc) · 140 KB

```
{
    "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "LogicAppName": {
            "type": "string",
            "minLength": 1,
            "maxLength": 80,
            "defaultValue": "LAEmergencyRevokeAccessOnPrem",
            "metadata": {
                "description": "The resource name for the logic app"
            }
        },
        "LogicAppLocation": {
            "type": "string",
            "minLength": 1,
            "defaultValue": "[resourceGroup().location]",
            "metadata": {
                "description": "The resource location for the logic app"
            }
        },
         "connections_sharepointonline": {
             "defaultValue": "sharepointonline",
             "type": "string"
         }
    },
    "variables": {},
    "resources": [
        {
            "type": "Microsoft.Web/connections",
            "apiVersion": "2016-06-01",
            "location": "[resourceGroup().location]",
            "name": "sharepointonline",
            "properties": {
                "api": {
                    "id": "[concat('subscriptions/', subscription().subscriptionId, '/providers/Microsoft.Web/locations/', resourceGroup().location, '/managedApis/sharepointonline')]"
                },
                "displayName": "sharepointonline"
            }
```

Templates on GitHub

# Questions?

# Thank You

Related blog post

Reach out to me!