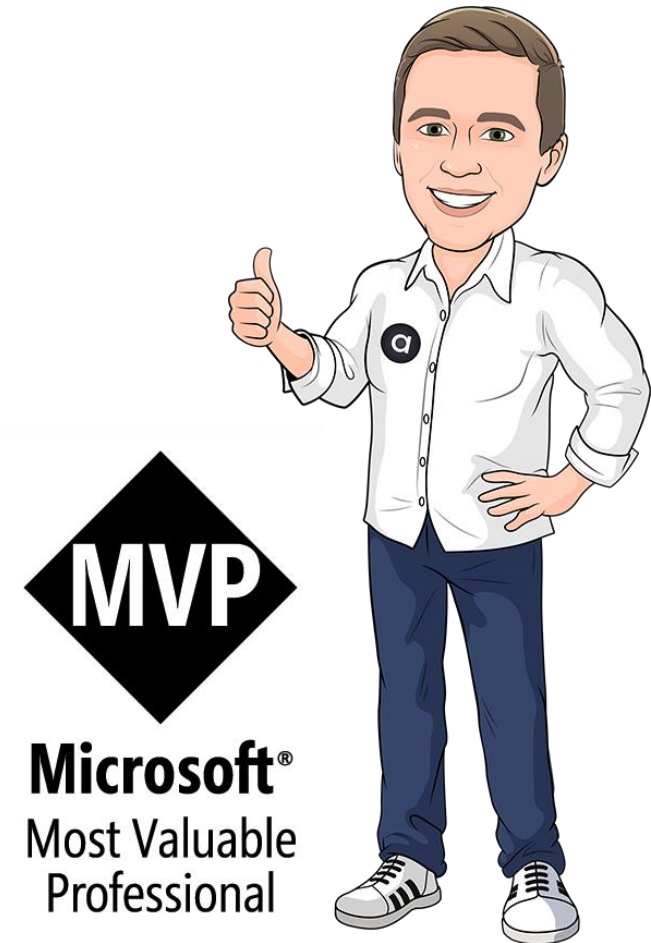cloud8

PowerShell and MS Graph API demystified

23.09.2022

Michael Seidl

MICHAEL SEIDL

- Microsoft MVP (since 2015)

- Automation Consultant (10+ Years)

- Founder, CEO au2mator
    - Self Service Portal for Microsoft Automation
        - PowerShell, Azure Automation, SCO, SMA

- Blog: www.techguy.at | www.au2mator.com
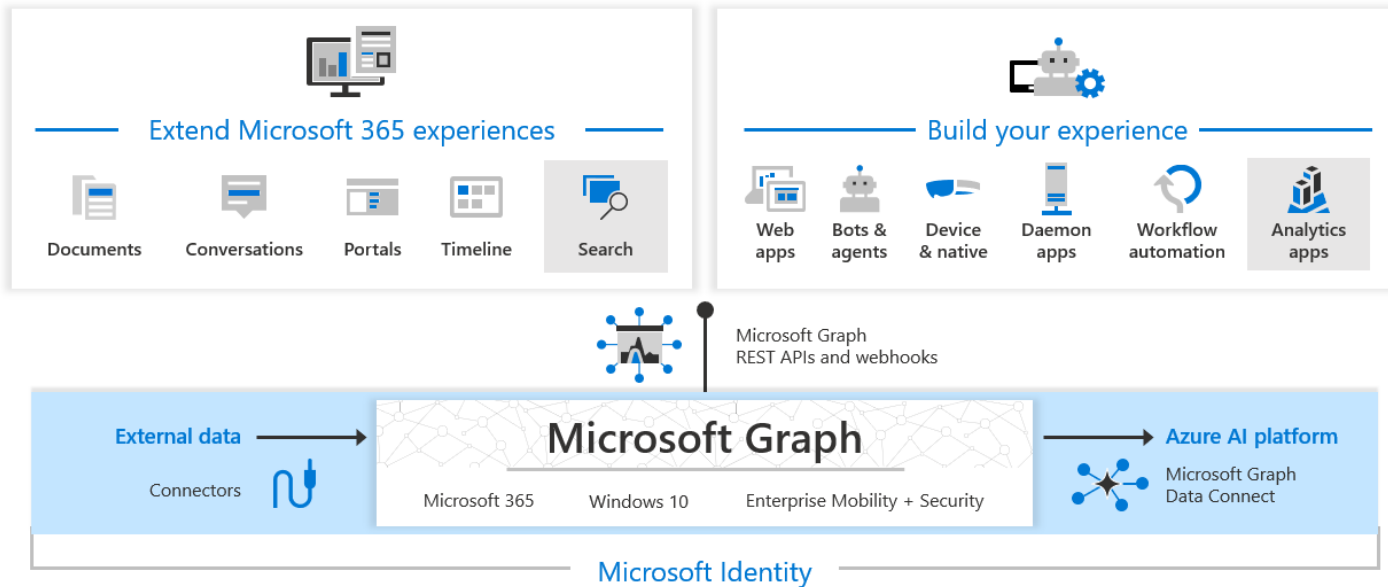
- GitHub: github/seidlm | github/au2mator

- LinkedIn: linkedin.com/seidlm

AGENDA

✓ Introduction

- MS Graph API

    - WHAT, WHY, HOW

- Authenticate

- Examples, Demo, Scripting

- Q&A

- END

Michael Seidl | au2mator

WHAT is MS Graph API

ONE API to the CLOUD

WHY use MS Graph API

- No PowerShell Module

- OnPrem/Cloud

- More Functionality over PS-Module

- Easy language

- Unlimited Platforms

- One API to all Cloud Services (Future)

Michael Seidl | au2mator

HOW to use MS Graph API

- REST Call, HTTP, WEB URL

  - https://graph.microsoft.com/v1.0/

    - Users | Groups | Teams | ToDo | Azure App ...

- GET, POST, PUT, PATCH, DELETE

- Graph Explorer

- JSON

Authenticate

- Azure APP Registration

- Client Secret or Certificate
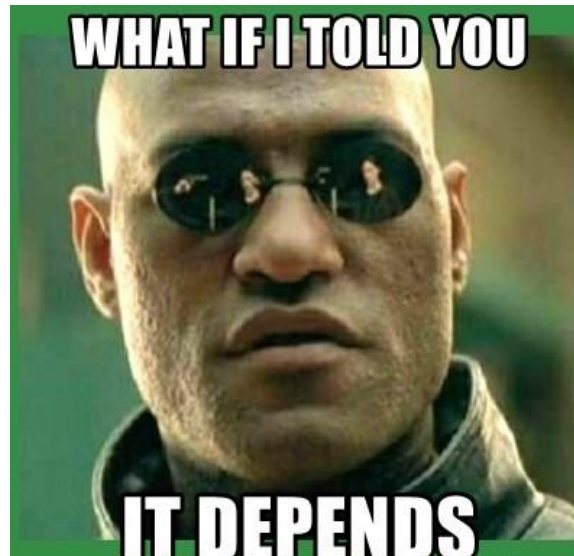
- Delegate or Application Permission

Michael Seidl | au2mator

Delegate or Application

Delegate

- Signed In User

- Effective permission (User, APP)

- User/Admin Consent

Application

- No User

- App Permissions only

- Admin Consent only

WHAT IF I TOLD YOU
IT DEPENDS

DEMO TIME

Michael Seidl | au2mator

More Examples

END is near

- Examples on GitHub
    - https://github.com/Seidlm/Events

- Use MS Graph API

- Q&A

- Contact
    - michael.seidl@au2mator.com
    - Linkedin/seidlm

THANK YOU!

Michael Seidl | au2mator