

#CollabDaysBE

# PowerShell and MS Graph API demystified

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# Michael Seidl



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# AGENDA

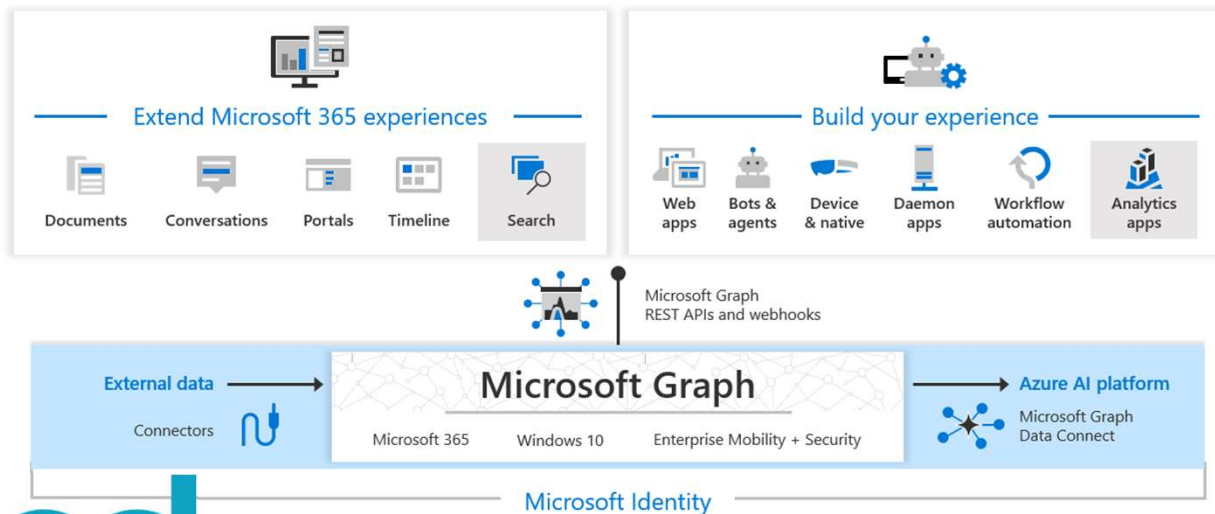
- ✓ Introduction
  - MS Graph API
    - WHAT, WHY, HOW
  - Authenticate
  - Examples, Demo, Scripting
  - Q&A
  - END



# WHAT is MS GRAPH API

## ONE API to the CLOUD

Microsoft 365 Platform



# 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)



# 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



# Delegate or Application

## Delegate

- Signed In User
- Effective permission (User, APP)
- User/Admin Consent

## Application

- No User
- App Permissions only
- Admin Consent only





DEMO TIME



# MORE

- Teams Management
- Endpoint Management
- Send Mail
- Azure App Reg, Permissions
- AAD User Group, Orgmanagement
- Sharepoint
- ....



# END is near

- Examples on GitHub
  - <https://github.com/Seidlm/Events>
- Use MS Graph API
- Q&A
- Contact
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