

PowerShell and MS Graph API demystified



10TH ANNIVERSARY
EDITION

Experts Live Netherlands



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AGENDA

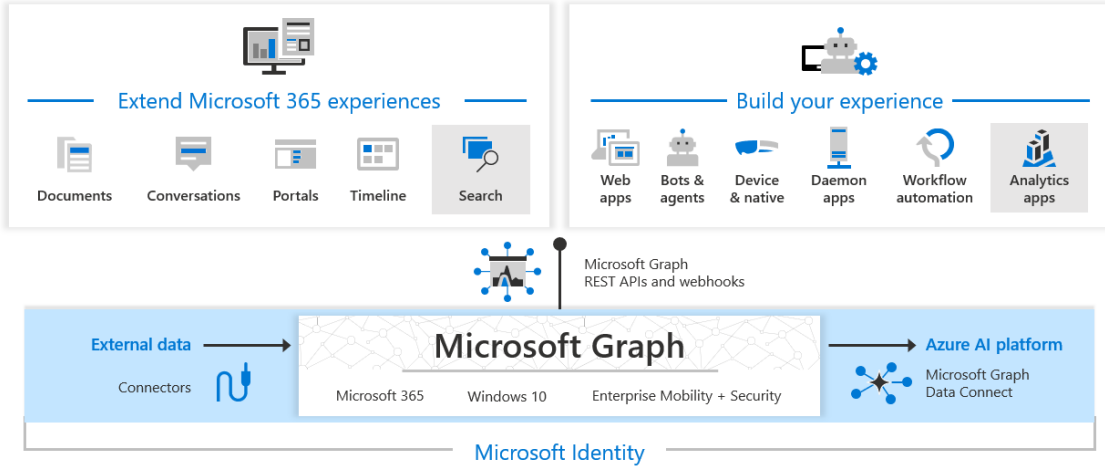
- ✓ Introduction
 - MS Graph API
 - WHAT, WHY, HOW
 - Authenticate
 - Examples, Demo, Scripting
 - Q&A
 - END



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





HYBRID CLOUD
AND DATACENTER
MANAGEMENT

DEMO TIME



MORE

- Teams Management
- Endpoint Management
- Send Mail
- Azure App Reg, Permissions
- AAD User Group, Orgmanagement
- Sharepoint
- Patches
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END is near

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