



PowerShell and MS Graph API demystified

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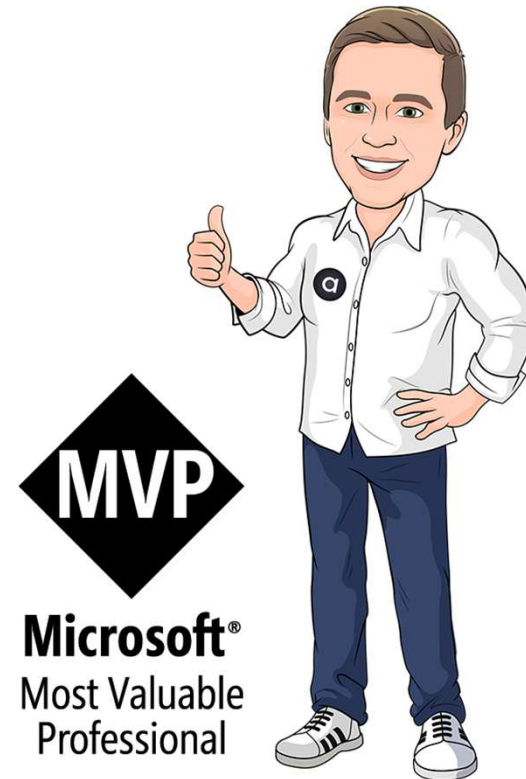


Organized by



Michael Seidl

- Microsoft MVP (7 Years)
- 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](https://github.com/seidlm) | [github/au2mator](https://github.com/au2mator)



Agenda

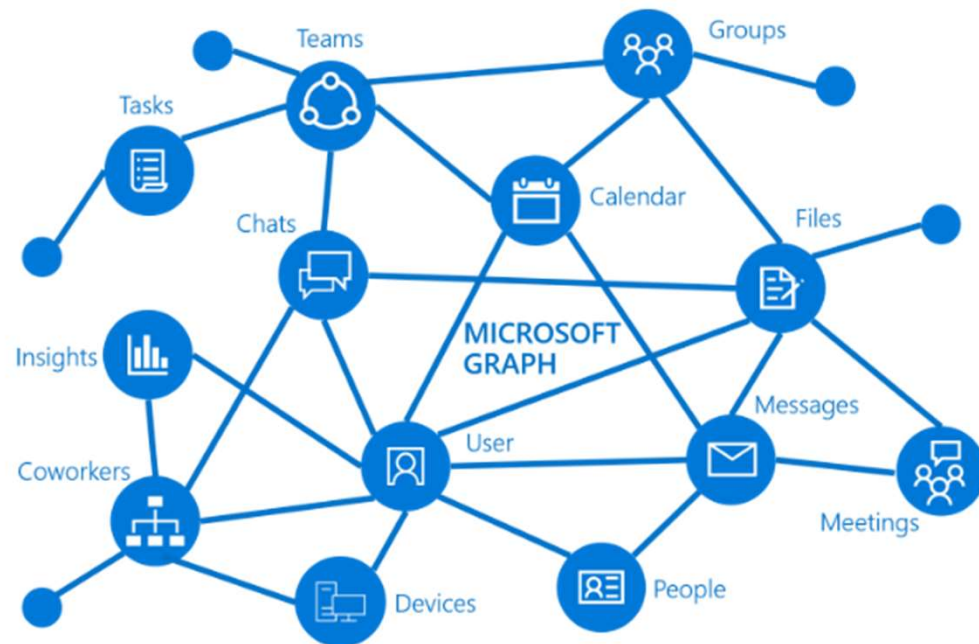


—Introduction

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

What is MS Graph API

- Rest APIs
 - Microsoft 365
 - Enterprise Mobility
 - Windows 10
 - Dynamics 365



Why to use MS Graph API

- No PowerShell Module
- OnPrem/Cloud
- More Functionality over PS Module
- Easy language
- Unlimited Platforms

How to use it

- REST Call, HTTP, WEB URL
 - <https://graph.microsoft.com/v1.0/>
 - Users | Groups | Teams | ToDo | ...
- GET, POST, PUT, PATCH, DELETE
- Graph Explorer
- JSON

Authenticate



- Azure APP Registration
- Client Secret or Certificate
- Delegate or Application Permission
- Admin consent

Authenticate, 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

The End is near

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



PowerShell | DevOps | Cloud

