

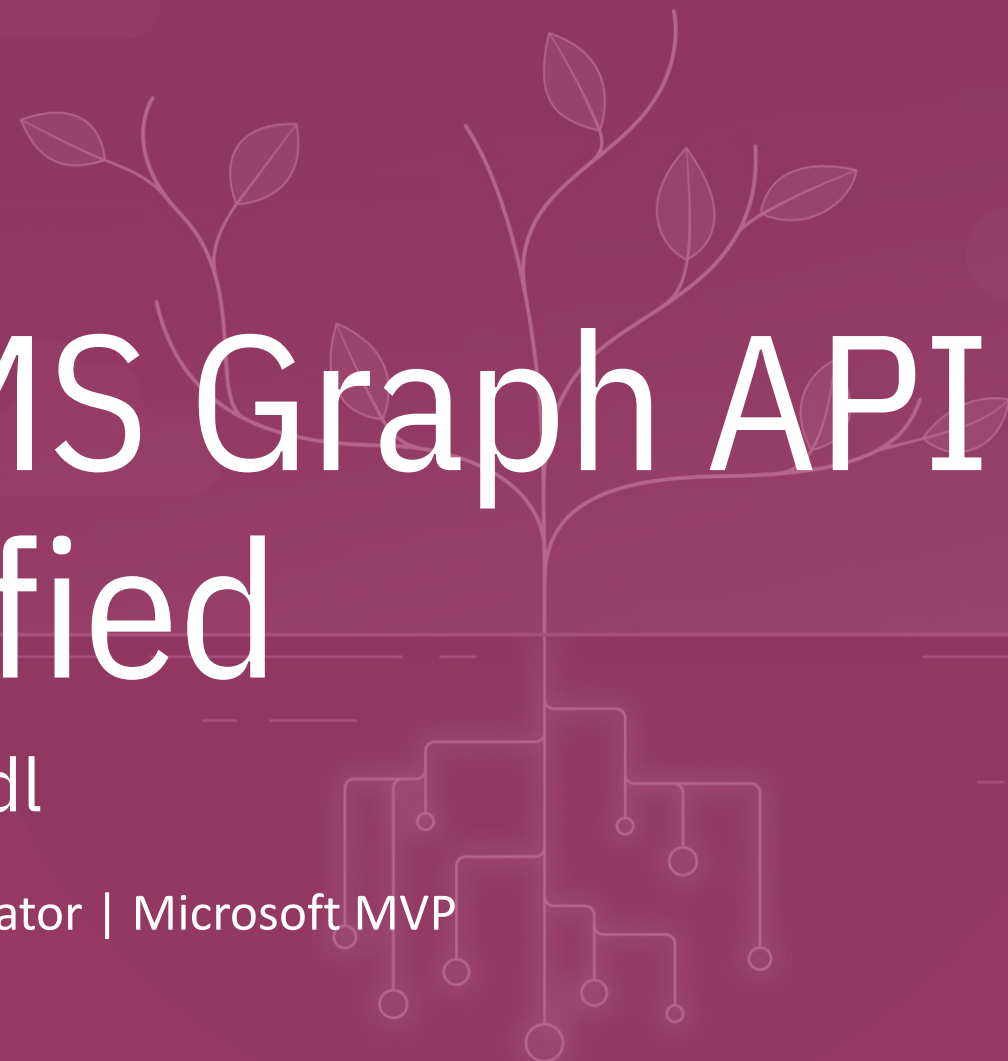


10TH ANNIVERSARY JUBILEE EDITION OF THE  
EUROPEAN COLLABORATION SUMMIT

# PowerShell and MS Graph API demystified

Michael Seidl

IT Process Automation Expert | au2mator | Microsoft MVP



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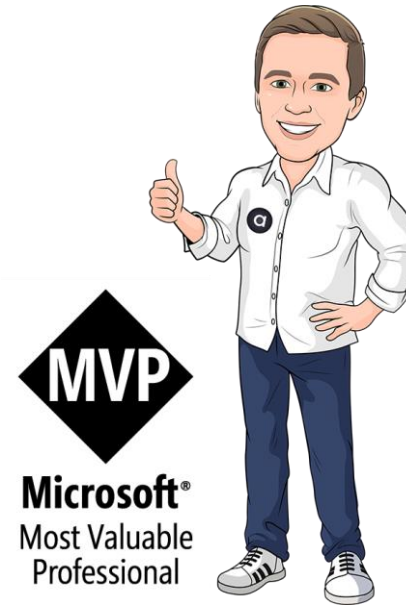
Top 3 win a  
The C64 "Maxi"



# Michael Seidl



- Microsoft MVP (since 2015)
- Automation Consultant (10+ Years)
- Founder, CEO | au2mator
  - Self Service Portal for Microsoft Automation
- Blog: [www.techguy.at](http://www.techguy.at) | [www.au2mator.com](http://www.au2mator.com)
- GitHub: [github/seidlm](https://github.com/seidlm) | [github/au2mator](https://github.com/au2mator)
-    / SeidIM





# AGENDA



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

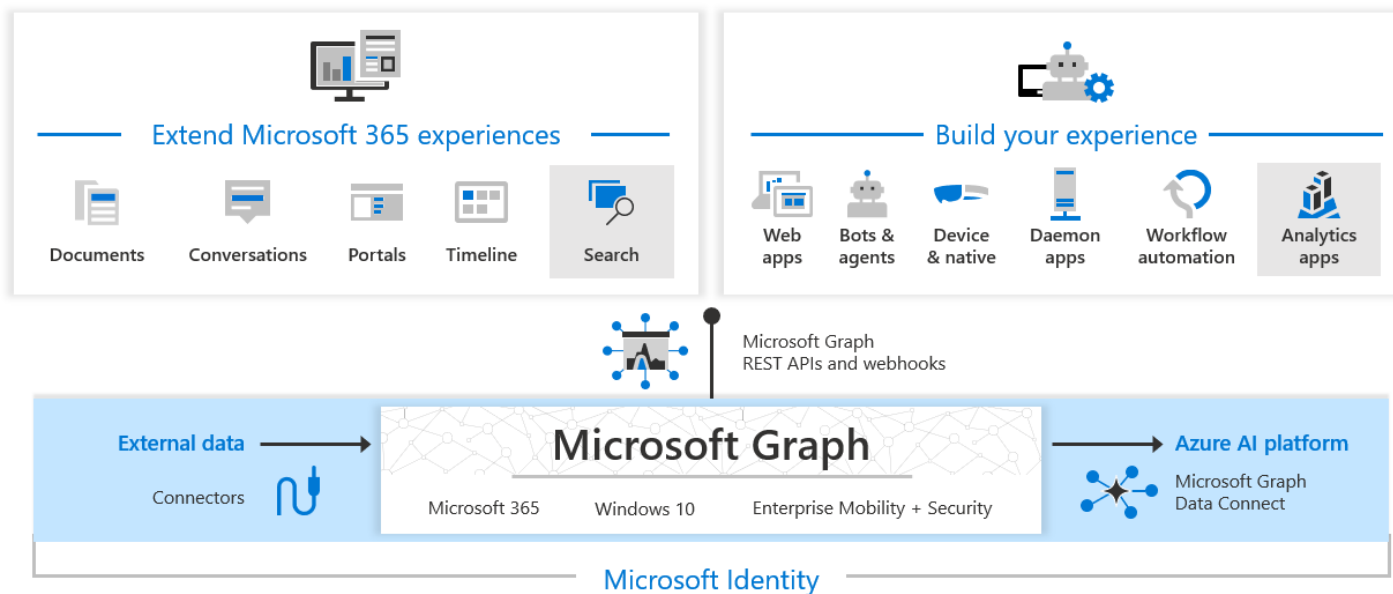


# WHAT is MS GRAPH API

## ONE API to the CLOUD



### Microsoft 365 Platform



# WHY use MS Graph API

- No PowerShell Module
- OnPrem/Cloud
- More Functionality over PS-Module (delay)
- 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

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



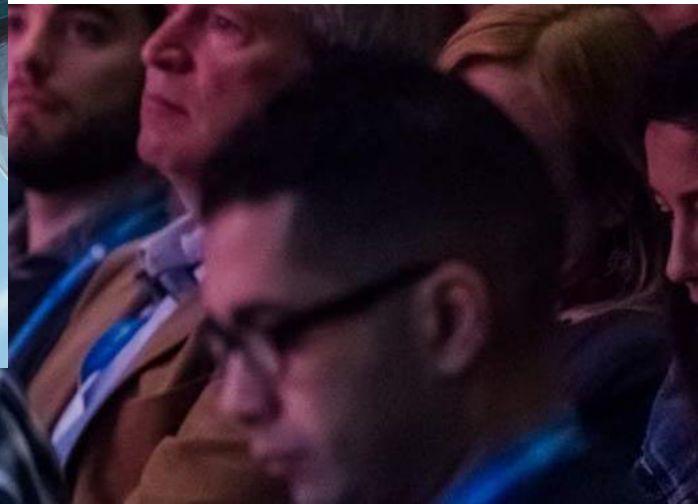
## Application

- No User
- App Permissions only
- Admin Consent only

# QUIZ



Send Mail for a Group of users to  
send Mail from their Mailbox?

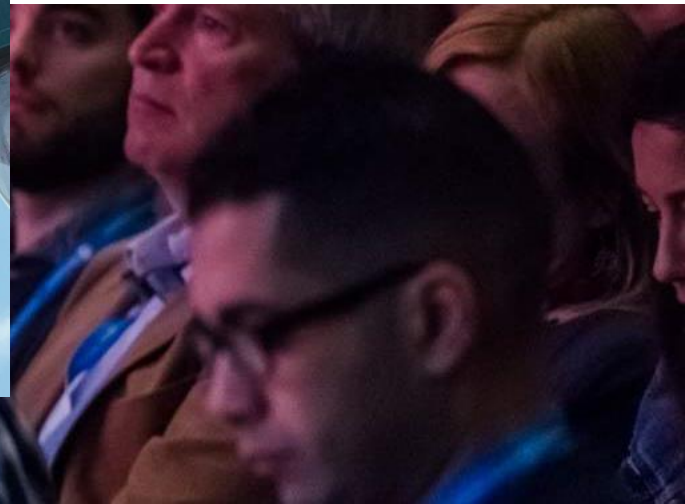




# QUIZ



Newsletter to send from one specific  
Mailbox?



# QUIZ



Send automatic Mails from personal Mailboxes by an internal application?







# DEMO TIME



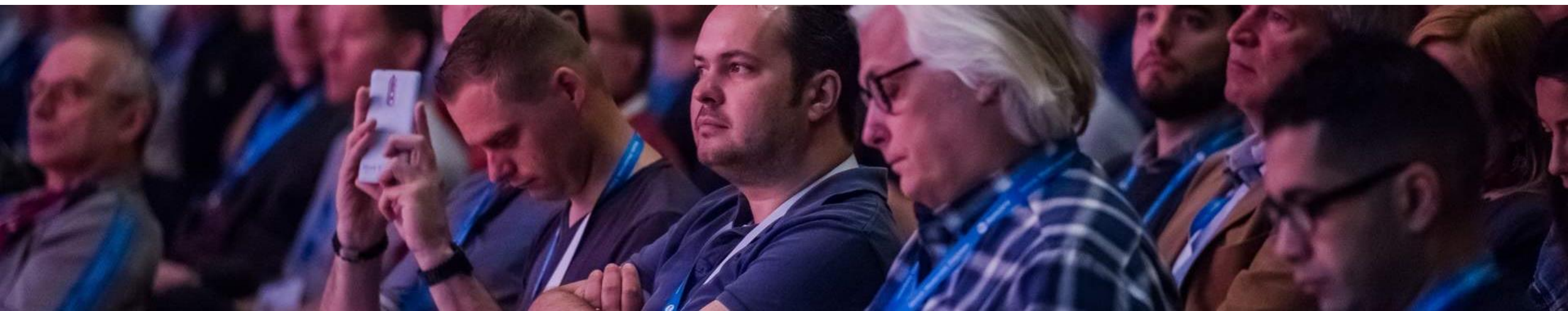
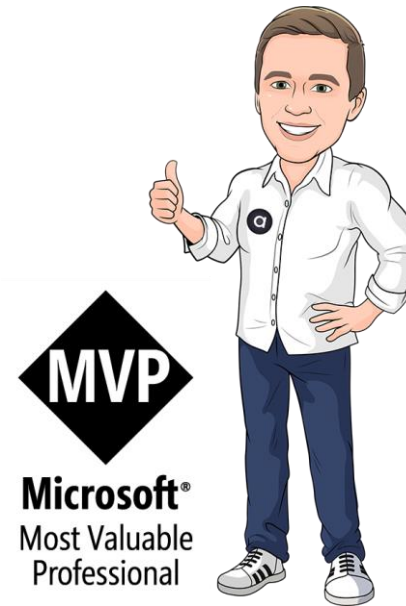


# MORE

- Teams Management
- Endpoint Management
- Send Mail
- Azure App Reg, Permissions
- AAD User Group, Orgmanagement
- Audit Logs
- SharePoint
- Patches
- .....

# END is near

- Examples on GitHub
  - <https://github.com/Seidlm/Events>
- Use MS Graph API
- Q&A
- Contact
  - [michael.seidl@au2mator.com](mailto:michael.seidl@au2mator.com)
  - [in](#) [twitter](#) [instagram](#) /SeidIM



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THANK YOU ♥

Questions?



Seidlm

