



 23.-25. September 2024

 10:00 – 11:30 Uhr

 Rheingoldhalle, Mainz

## SESSION

# 10 PowerShell One-Liner, die Dir das Microsoft 365-Management erleichtern



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# About Me

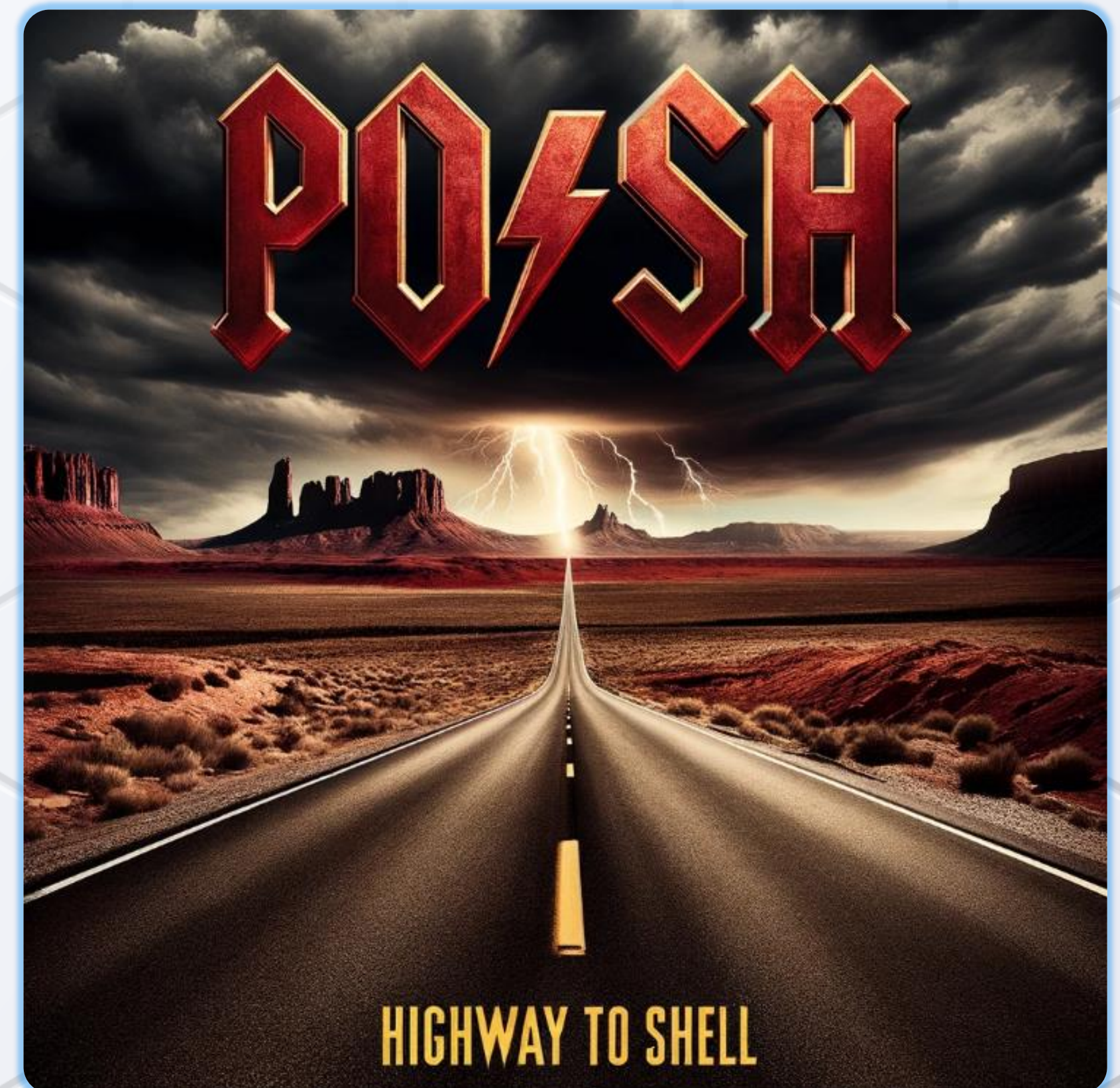
Head of Marketing  
Automation Enthusiast

In the IT industry for 25+ years  
IT Admin | Consultant | PM | BD | ...

First PowerShell experience:  
Exchange 2007

Co-Founder of the PowerShell  
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Music Lover





# Let's Connect



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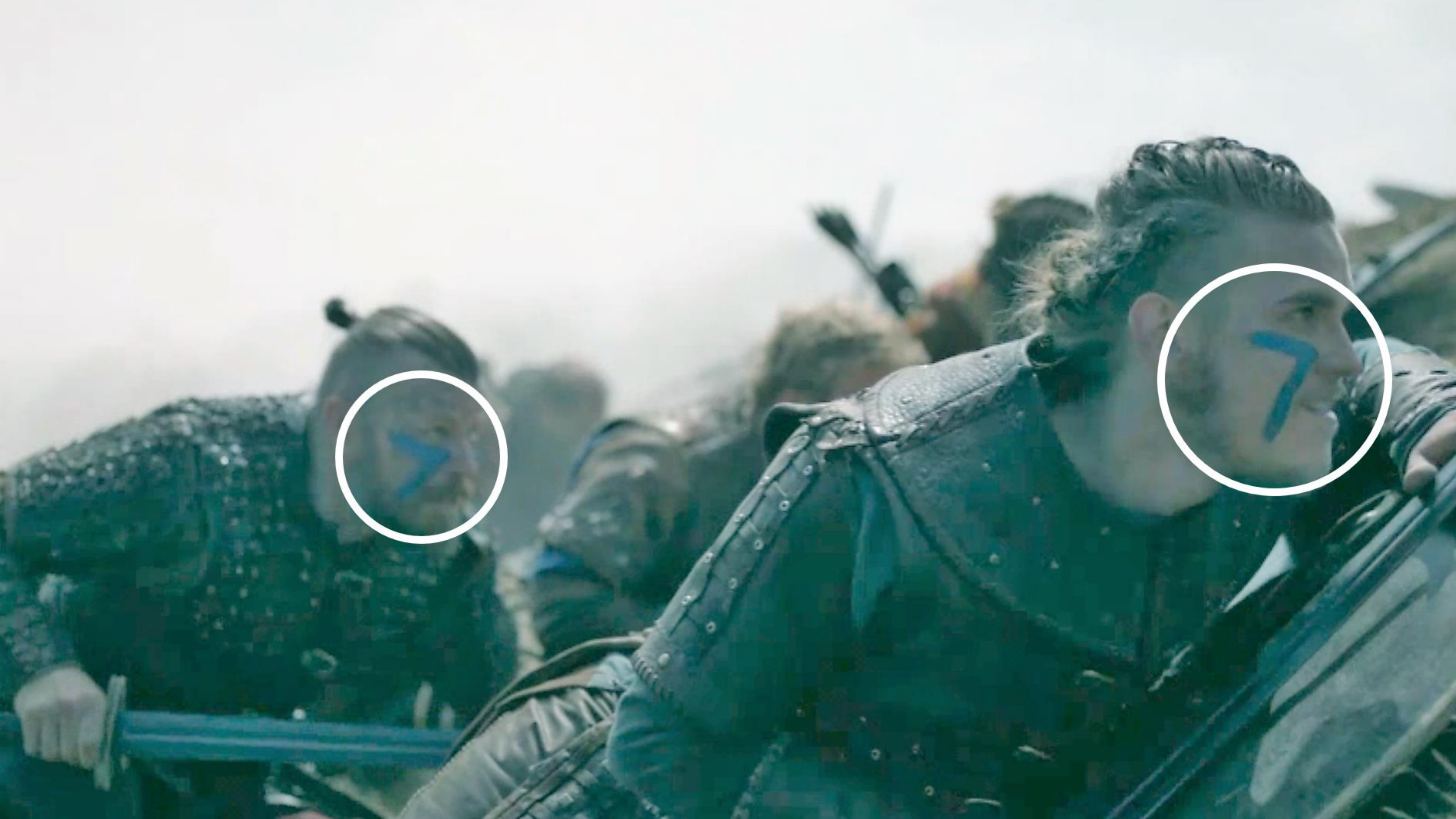


## AGENDA

- Warum M365 mit PowerShell managen?
- Die wichtigsten M365 PowerShell Module
- PowerShell One-Liner – Was ist das?
- Use Cases für PS One-Liner
- Demotime
- Q&A









# Manage M365 With PowerShell – Why?

Automate boring, time-consuming, error-prone repetitive tasks

Bulk Operations

Advanced Configuration Options

Efficient Reporting

Integration and Extensibility





# Important M365 PowerShell Modules



AzureAD



Exchange Online  
Management



Microsoft Teams



SharePoint.PowerShell  
SP PnP PowerShell



Microsoft Graph



# What is a PowerShell One-Liner?

Single-line commands or script snippet

Combines multiple PowerShell CmdLets using pipelines

Efficient for quick administration tasks

Leverage PowerShell's concise syntax and powerful cmdlets

Ideal for rapid problem-solving and automation





# The Anatomy of a PowerShell One-Liner

Passes the output of  
Get-UnifiedGroupLinks  
to  
ForEach-Object

Pipeline Operator

Defines the actions to be performed  
on each object in the pipeline

Script Block

Get-UnifiedGroupLinks -Identity "Finance" -LinkType Members | ForEach-Object { Set-Mailbox -Identity \$\_.PrimarySmtpAddress -RetainDeletedItemsFor 30 -WhatIf }

Finding the desired objects

Getting all members of the  
specified distribution group

Modifying setting for the desired objects

Setting the new mailbox limit for every object  
that was passed through the pipeline

Safety net

Simulates  
the "Set"  
execution



# 10 Usefull PowerShell One-Liner Use Cases

Show | Change Mailbox Settings

Tracking Messages

Show | Change Distribution Groups

Create | Delete Mailboxes

Configure Out-of-Office Settings

Show | Change Teams Settings

Archive Teams

Analyzing Teams

Create new SharePoint Site

License Management



The background of the image is a repeating pattern of hexagons, resembling a honeycomb or a tiled surface. The hexagons are arranged in a staggered grid. Most hexagons are a light gray color, but several are a darker gray, creating a subtle contrast. The text "DEMO TIME" is centered in the middle of the image.

**DEMO TIME**



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**Vielen Dank für Eure  
Aufmerksamkeit!**







# Geben Sie uns Feedback

1. Barcode mit dem Handy abfotografieren
2. Kleines Video (1 min) als Feedback aufnehmen
3. Name und Titel eintragen











# M365 Summit MAINZ 2024

Die Konferenz rund um Microsoft® 365

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