

Unlock the Power of PowerShell across your organization

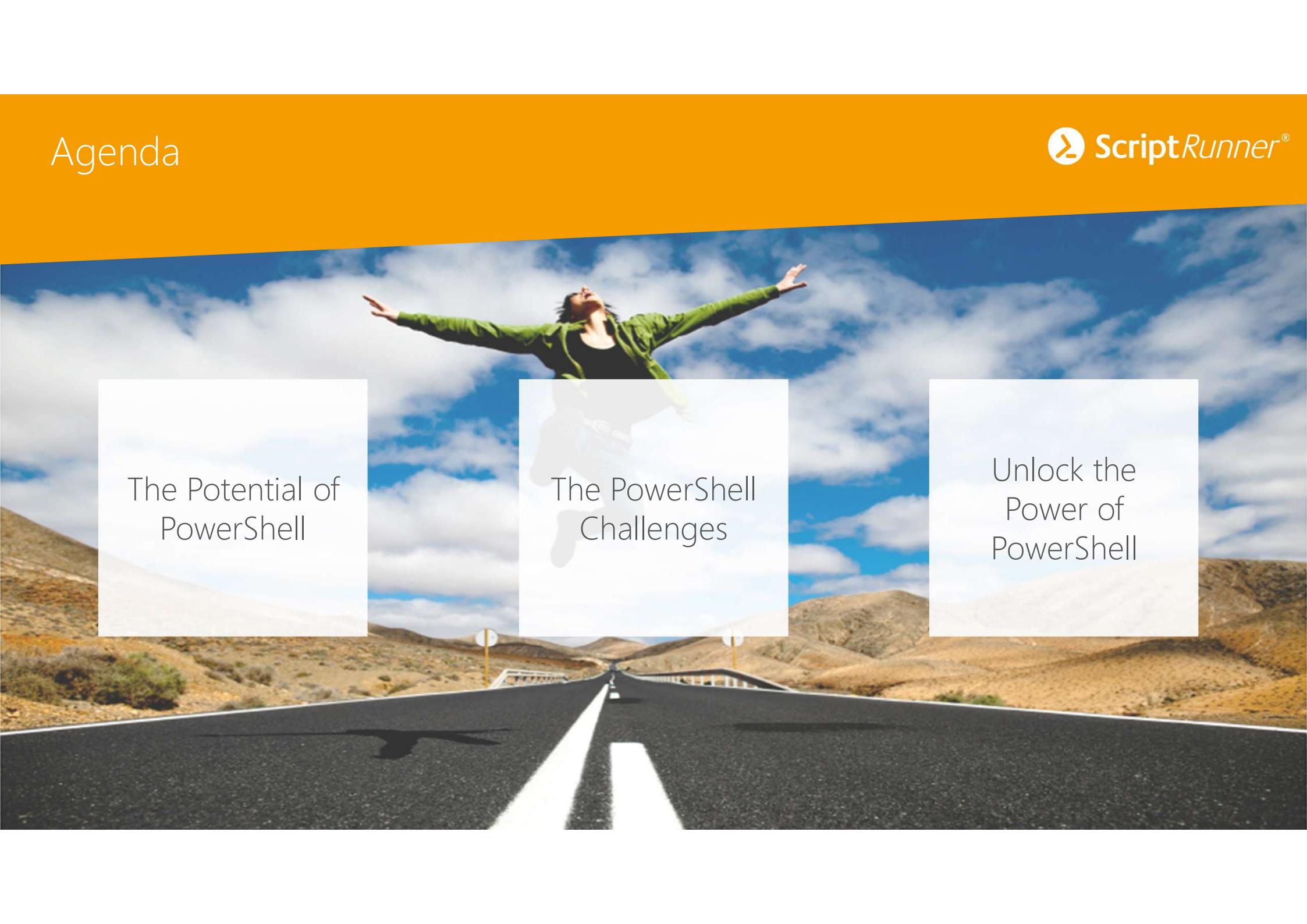
Automate. Delegate. Relax.

Heiko Brenn  @heikobrenn

www.scriptrunner.com



Agenda

A photograph of a person standing in a vast, arid landscape under a blue sky with scattered white clouds. The person is wearing a green jacket and has their arms wide open, suggesting a sense of freedom or achievement. They are positioned in the upper portion of the slide, above three white rectangular boxes containing text.

The Potential of
PowerShell

The PowerShell
Challenges

Unlock the
Power of
PowerShell

Short profile Heiko Brenn



A screenshot of Heiko Brenn's LinkedIn profile. The profile picture shows a man with glasses and a yellow face mask. The background of the profile header features a road leading towards a horizon under a dramatic red and orange sky, with the text "POSSH HIGHWAY TO SHELL" overlaid in large, stylized letters. Below the profile picture, the name "Heiko Brenn" is displayed in bold black text, followed by the handle "@HeikoBrenn". A bio section includes the text "#PowerShell enthusiast @Script_Runner | Music lover | Drummer for @ScriptyBoyz | Co-Founded @PSUGRheinNeckar". It also shows location "Germany", website "scriptrunner.com", and joining date "Joined September 2018". The follower count is listed as "786 Following 729 Followers".

- Product Expert & Head of International Business
- In the IT industry for 25+ years
- Many years of experience as
 - Administrator
 - Consultant
 - Product Manager
- Responsible for EMEA and North America
 - Technical Sales
 - Consulting
 - Partner Management
- Contact information
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 - Email: heiko.brenn@scriptrunner.com
 - LinkedIn: www.linkedin.com/in/HeikoBrenn
 - Twitter: twitter.com/heikobrenn
 - GitHub: github.com/HeikoBrenn



The screenshot displays the Windows PowerShell ScriptRunner website, featuring several cmdlet reference pages. The main page header is "Windows PowerShell" with the URL "www.scriptrunner.com". Below the header, there are sections for "COMMONLY USED cmdlets", and "COMMONLY USED cmdlets". Each section contains a table with cmdlet names and descriptions. A large blue circle highlights the "Get-Service | Get-Member" page, which has a yellow banner at the top reading "POWERSHELL SCRIPTING LAB". The page content includes sections for "Condition", "Loops", and "Foreach". The bottom of the page features a "COMMONLY USED cmdlets" section and a "COMMONLY USED cmdlets" section.



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 heiko.brenn@scriptrunner.com

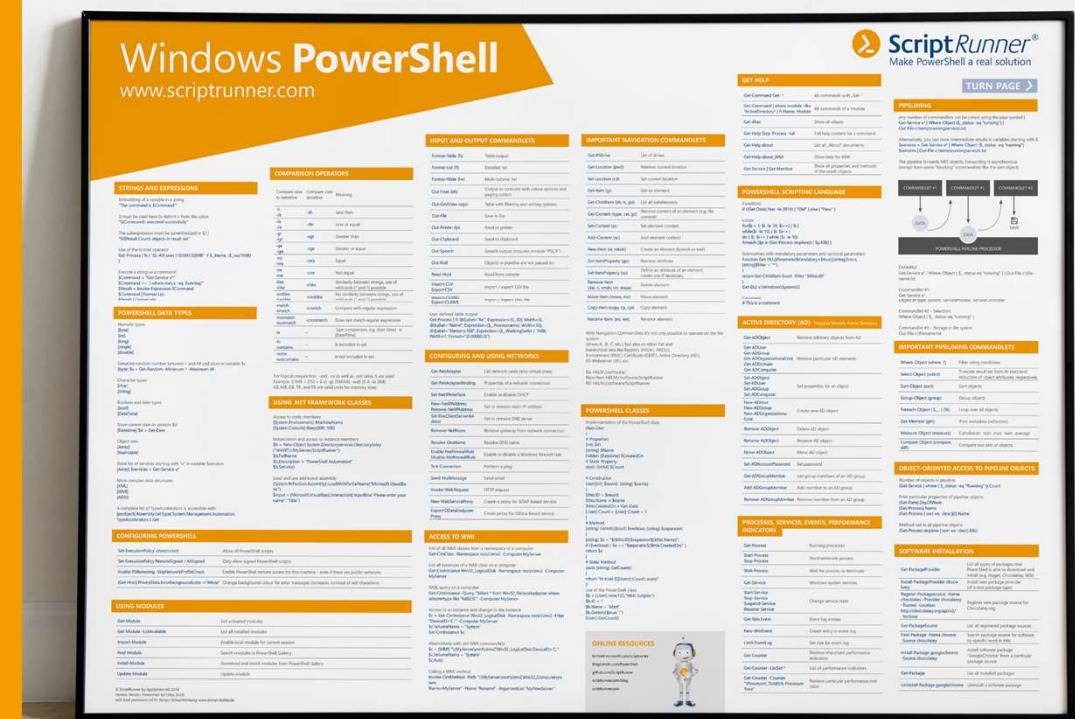


ScriptRunner®

The #1 for PowerShell Management

Get your free PowerShell poster

lp.scriptrunner.com/en/powershell-poster



The Potential of PowerShell



The Potential of PowerShell



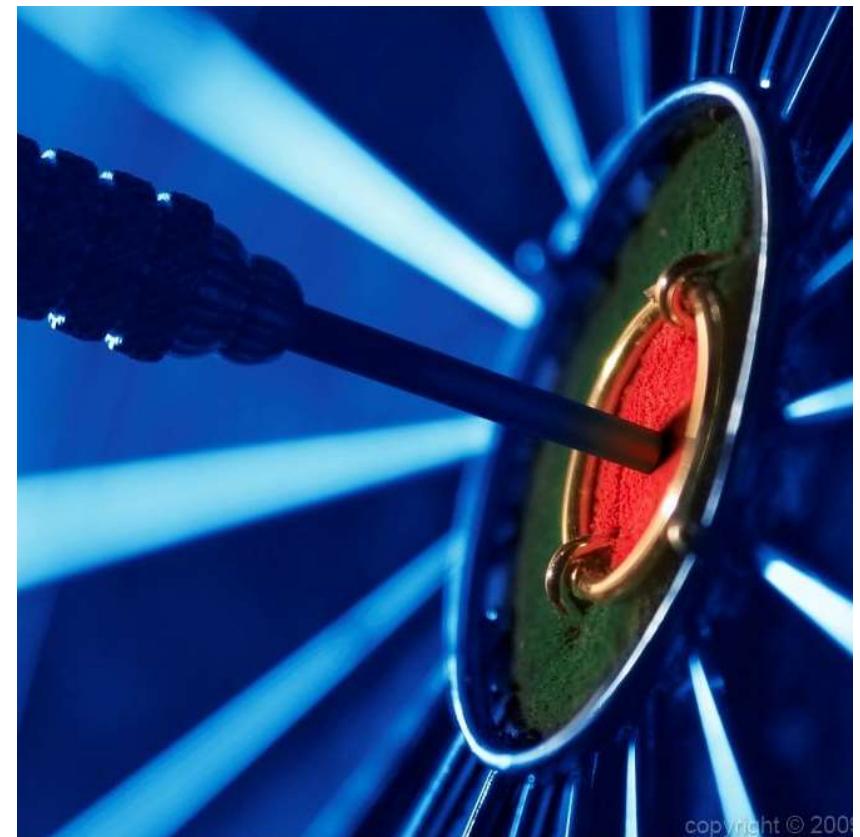
Very mature command-line shell
and scripting language for IT automation

Great framework to automate
recurring tasks consistently

Simplifies administration of your
entire IT infrastructure

Strong commitment from Microsoft
and many other vendors

Very vital worldwide community



copyright © 2005

Cross-platform PowerShell



PowerShell AnyWhere

Windows PowerShell
since 2006

PowerShell 7
since 2016

.NET Framework

.NET Core

Windows

Linux

macOS

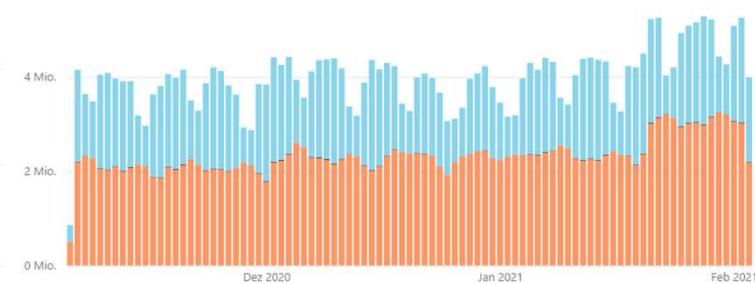
Cross-platform PowerShell



Monthly Usage by OS (90 Day)
userAgent ● Linux ● macOS ● Windows

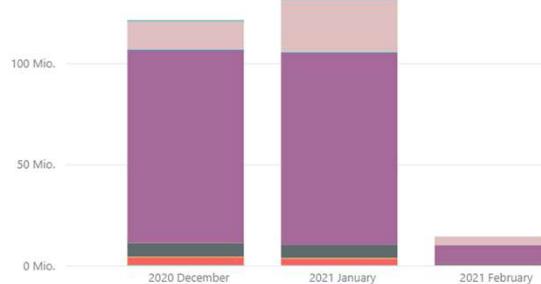


Daily Usage by OS (30 Day)
userAgent ● FreeBSD ● Linux ● macOS ● Windows

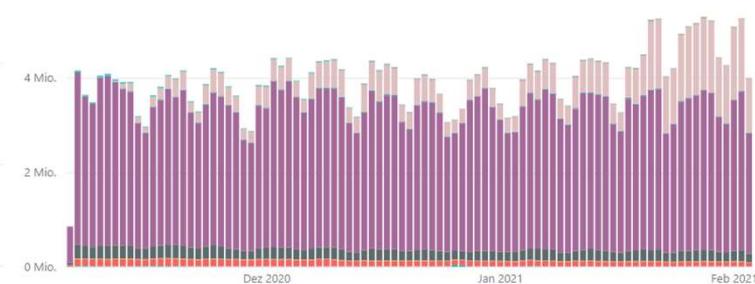


03.02.2021 00:00:00

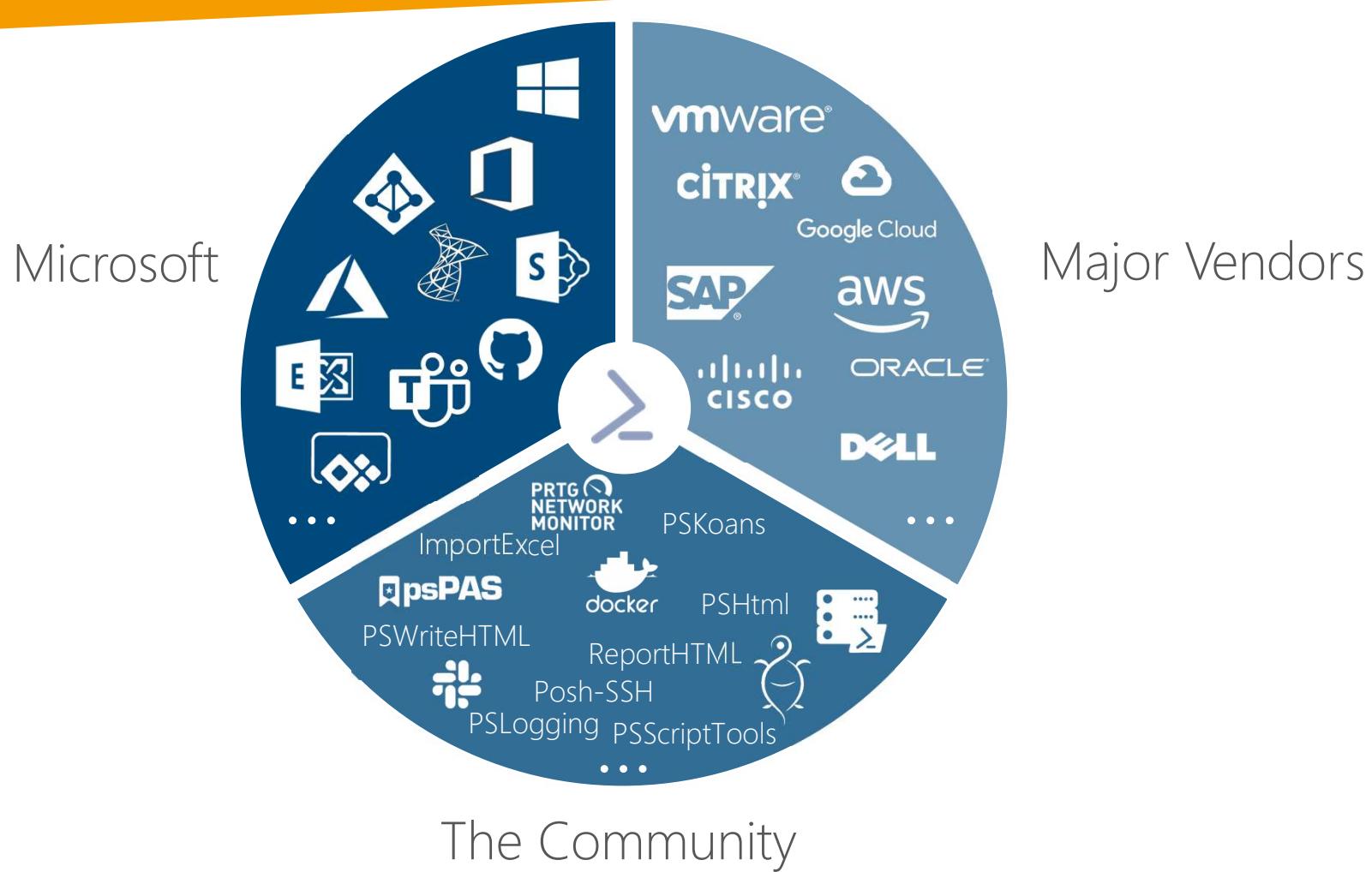
Monthly Usage by Version (90 Day)
version ● 6.0 ● 6.0-preview ● 6.1 ● 6.1-preview ● 6.2 ● 6.2-preview ● 6.9-preview ● 7.0 ● 7.0-preview ● 7.1 ● 7.1-preview



Daily Usage by Version (30 Day)
version ● 6.0 ● 6.0-preview ● 6.1 ● 6.1-preview ● 6.2 ● 6.2-preview ● 6.9-preview ● 7.0 ● 7.0-preview ● 7.1 ● 7.1-preview ● 7.2 ● 7.2-preview



The PowerShell Ecosystem



The PowerShell Challenges



The PowerShell Challenges



How to start?

How to learn?

Ressources?



Which processes and
use cases should I
automate?

How to organize my
scripts?

How to standardize?

...



How to organize my
PowerShell scripts and
modules?

How to securely
manage credentials?

How to enable others
to consume my
scripts?

Does this remind you of the way PowerShell
is used in your organization today?



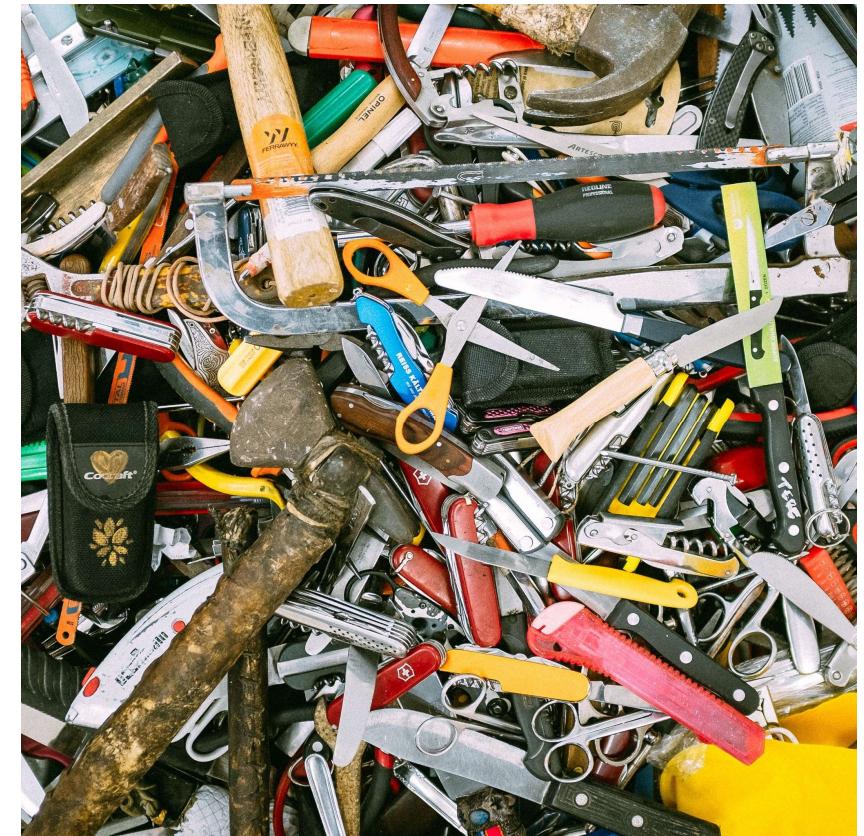
„Unorganized“ PowerShell usage

PowerShell know-how bottleneck

No org-wide secure
credential management

PowerShell is only used
in expert circles

The potential of PowerShell
remains untapped



Unlock the Power of PowerShell across your organization



What it takes to successfully automate with PowerShell in the enterprise



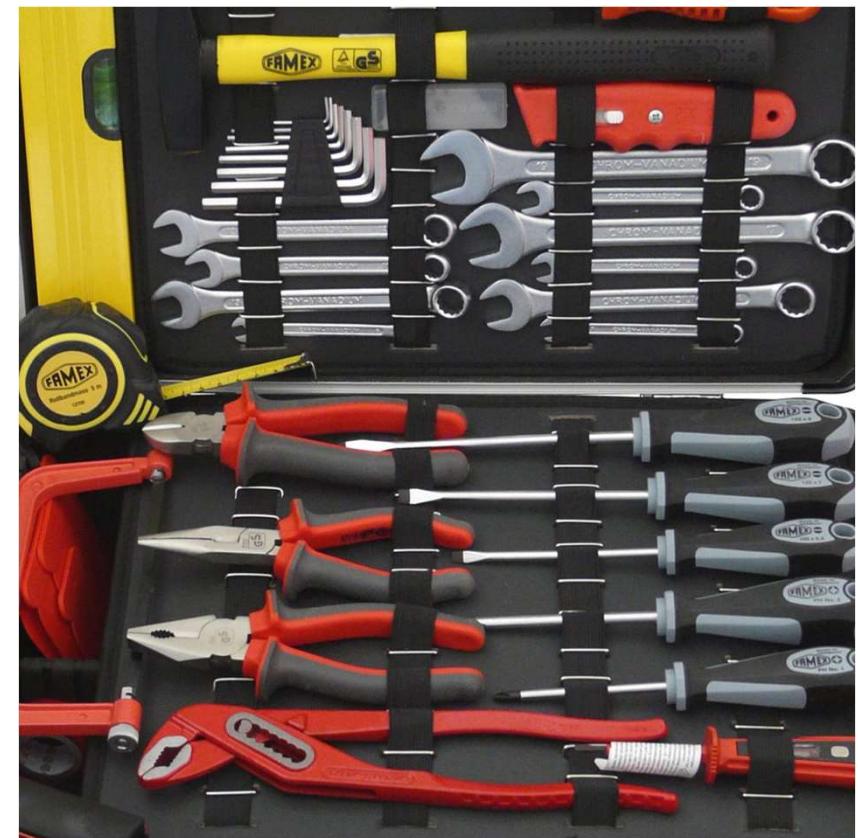
Standardization

Centralization

Easy accessibility for non-IT experts

Monitoring & Security

Integration



Accessibility for non-IT experts



BEFORE

A screenshot of the Windows PowerShell ISE interface. The title bar says "Administrator: Windows PowerShell ISE". There are two tabs open: "Untitled3.ps1" and "Exchange_Webinar.ps1". The "Untitled3.ps1" tab contains a large block of PowerShell script code. The code is used to set up auto-replies for multiple mailboxes. It uses variables like \$cmdArgs, \$msg, and \$box, and performs operations like Set-MailboxAutoReplyConfiguration and Get-Mailbox. The code is color-coded for syntax highlighting. The status bar at the bottom shows "Completed" and "Ln 1 Col 36".

```
118 $cmdArgs.Add('ExternalAudience', $replyType)
119 $cmdArgs.Add('InternalMessage', $InternalText )
120 $cmdArgs.Add('ExternalMessage', $ExternalText )
121 if($PSCmdlet.ParameterSetName -eq "Schedule Auto Reply"){
122     $cmdArgs.Add('AutoReplyState', 'Scheduled')
123     $cmdArgs.Add('EndDate', $EndDate)
124     $cmdArgs.Add('StartTime', $StartDate)
125     $msg += "scheduled"
126 }
127 else{
128     $cmdArgs.Add('AutoReplyState', 'Enabled')
129     $msg += "enabled"
130 }
131
132 $Script:resHtml = @()
133 foreach($item in $MailboxIds){
134     try{
135         $box = Get-Mailbox -Identity $item -ErrorAction Stop
136         if($null -ne $box){
137             try{
138                 $null = Set-MailboxAutoReplyConfiguration @cmdArgs -Identity $box
139                 if($GenerateReport -eq $true){
140                     $Script:resHtml += Get-MailboxAutoReplyConfiguration -Identity $box
141                 }
142                 $resultMessage += [System.String]::Format($msg,$box.UserPrincipalName)
143             }
144             catch{
145                 Write-Output "Error occurred at set Mailbox $($item)"
146             }
147         }
148     }
149     catch{
150         Write-Output "Error occurred at get Mailbox $($item)"
151     }
152 }
```

AFTER

A screenshot of the ScriptRunner SelfService interface. The top navigation bar shows "1.company.net/OutOfOffice/" and "SelfService". The main page has a title "OutOfOffice" and a subtitle "Create OOF Notifications With ScriptRunner Integration". Below this, there are several input fields:

- "Please select the desired Parameter Set:" dropdown menu showing "Schedule Auto Reply".
- "Please select mailbox(es) Heiko was here:" search bar with results "Angus Young", "Shania Twain", and "Phil Collins".
- "Please select the notification template:" dropdown menu showing "Working From Home|Home Office".
- "Please select the start of absence" date input field showing "Feb 4, 2021, 5:21 PM".
- "Please select the end of absence" date input field showing "Feb 11, 2021, 5:21 PM".

A green play button icon is located in the bottom right corner of the form area.

Unlock the Power of PowerShell



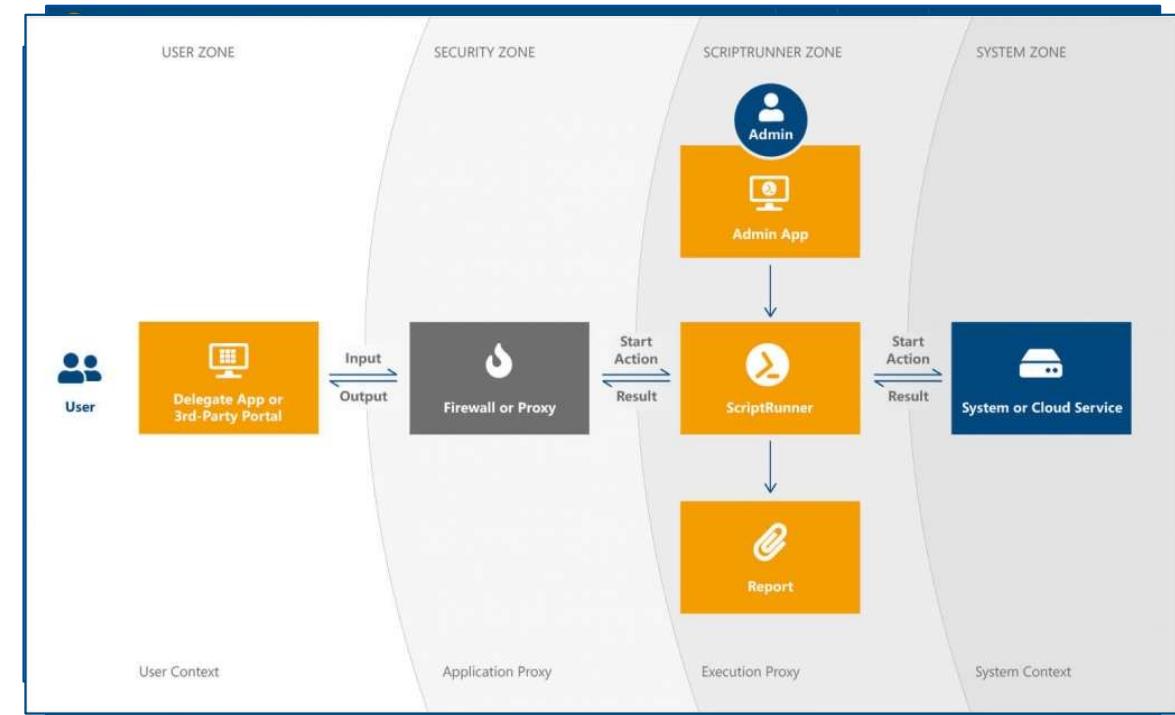
Centralize your PowerShell scripts and modules

Manage credentials & permissions securely

Automatically transform PowerShell scripts into Web GUIs

Delegate recurring tasks to help desk and end users

Integrate with ITSM, Monitoring & Workflow systems and more



Hundreds of free
and ready-to-use
PowerShell scripts.

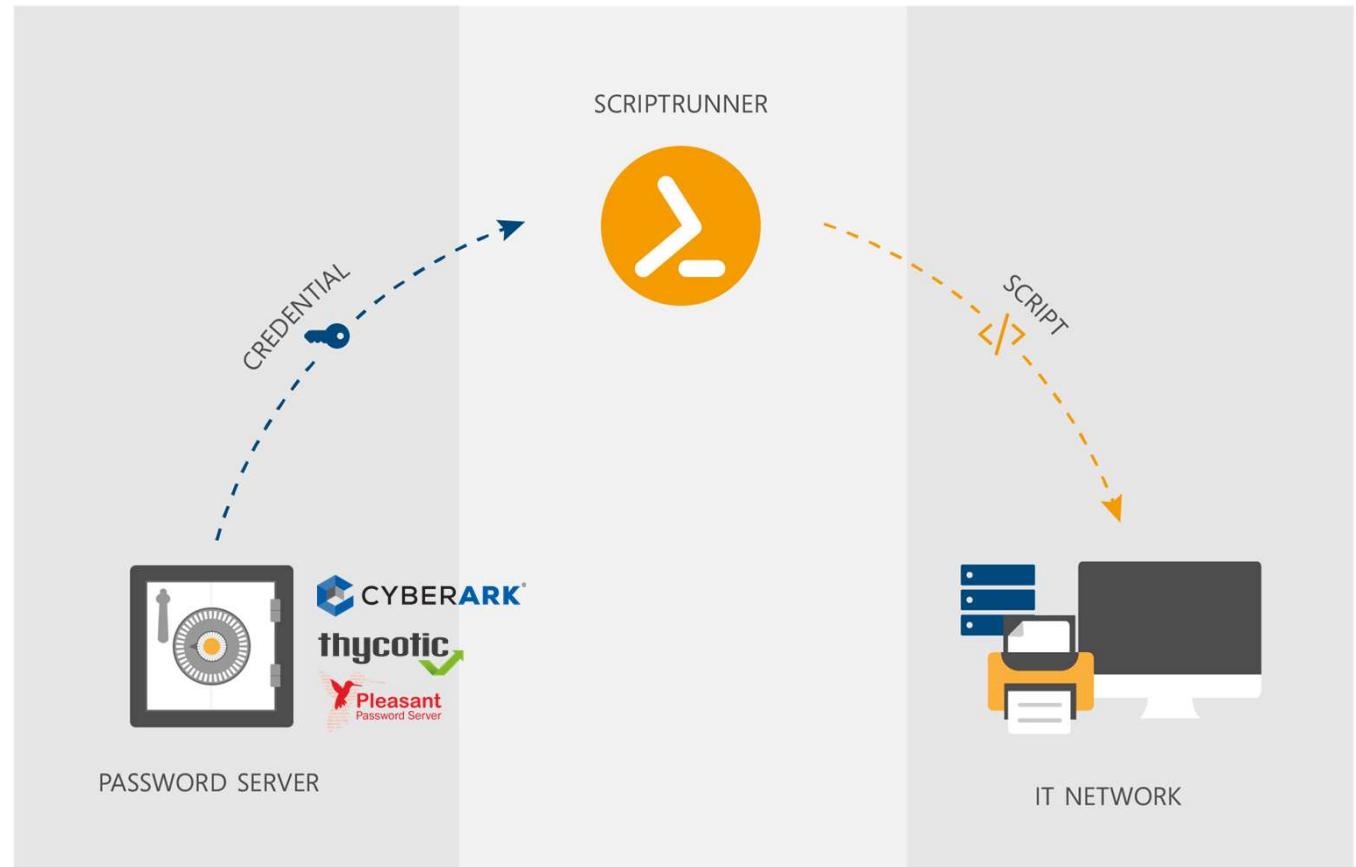
github.com/scriptrunner/ActionPacks



Password Server Support

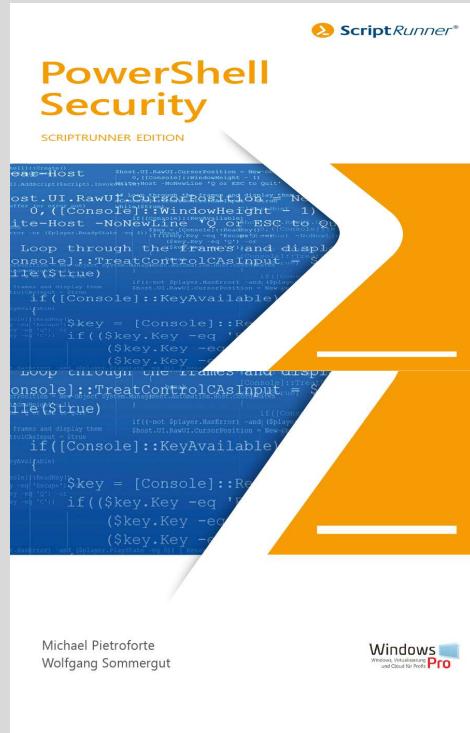


- Centralized password safes
 - CyberArk Password Vault
 - Pleasant Password Server
 - Thycotic Secret Server
- No credentials are stored locally
- Automatic password rotation
- One single secure password repository for multiple ScriptRunner instances



Free ebook: PowerShell Security

lp.scriptrunner.com/en/powershell-security-guide



PowerShell Security

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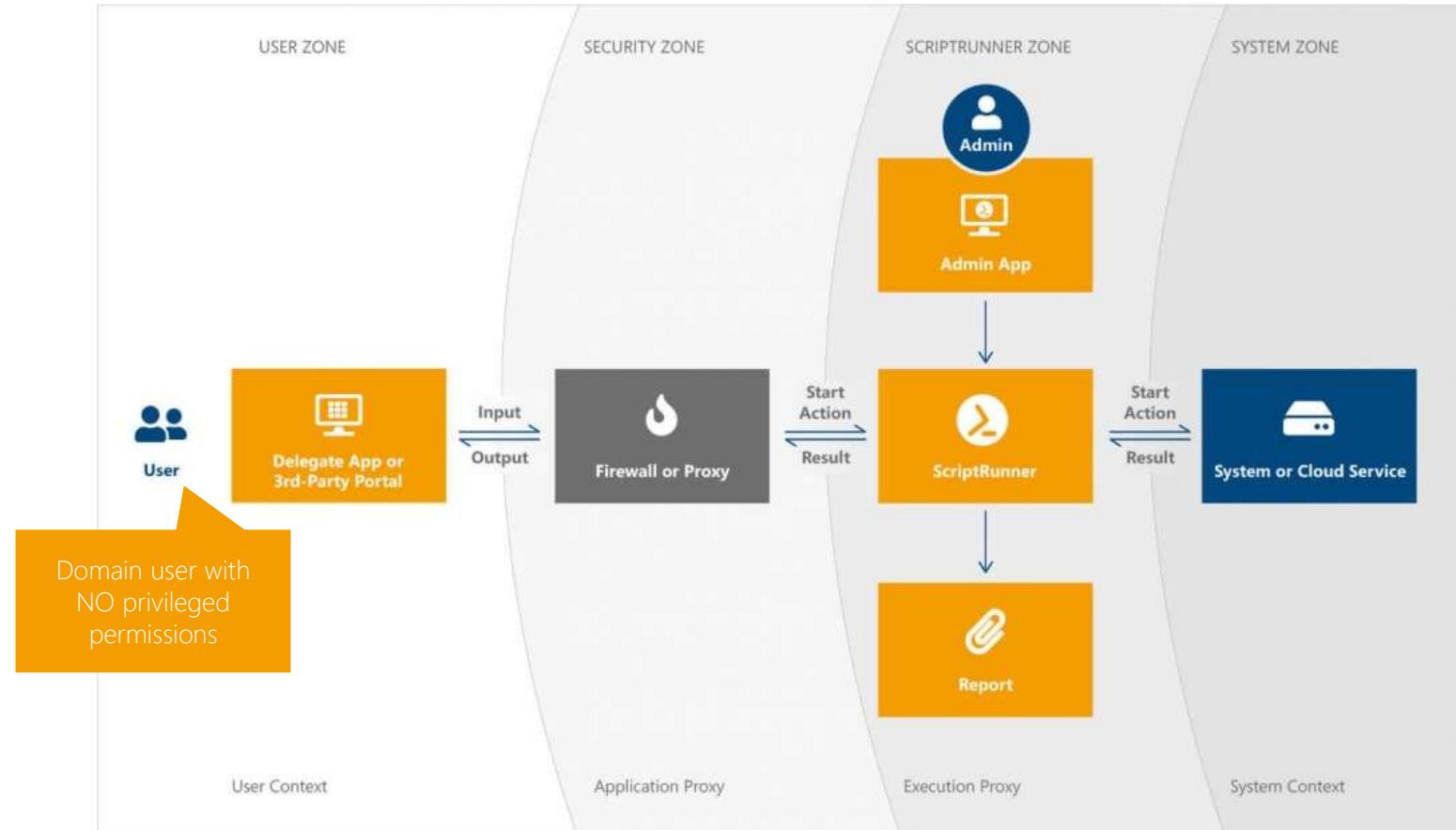
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Demo

ScriptRunner



ScriptRunner – Secure Delegation



<https://www.scriptrunner.com/de/software/system/>

ScriptRunner test report fom a Microsoft MVP



Adam Bertram aka Adam The Automator
Microsoft MVP Cloud and Datacenter Management

"ScriptRunner is a master of organizing, categorizing and delegating scripts."

"ScriptRunner is a real DevOps tool for PowerShell scripters."

"Compared to large automation platforms, ScriptRunner is significantly cheaper"

"to get the same functionality of ScriptRunner, it would require several applications to get a similar feature set"

"If you are looking into automating your administration and support processes easily and securely, you will find a powerful and professional tool here."

<https://www.adamtheautomator.com/scriptrunner-bringing-powershell-to-devops/>

Unlock the Potential of PowerShell across your organization



Unlock the Power of PowerShell across your organization



Manager

Our organization becomes more productive

Deliver great scripts in a secure environment



DevOps

Delegate recurring tasks and save time



Administrator

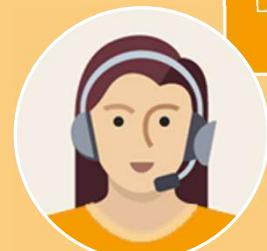


Develop scripts for more use cases/users



Developer

Deliver more & better services in less time



HelpDesk

Faster task completion with self-services



EndUser

Put ScriptRunner
to the test.
30 days for free.

lp.scriptrunner.com/en/demo-download



Let's talk about your
automation use cases.
Book a online session
with me.

[lp.scriptrunner.com/meetings/heiko-
brenn/demo-en](https://lp.scriptrunner.com/meetings/heiko-brenn/demo-en)



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