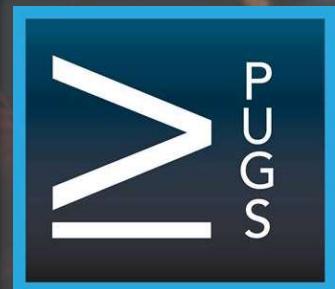




PowerShell User Group Sweden

The short story and the future

- Started back in 2009 as Scandinavia PowerShell User Group
- Changed the name to PowerShell User Group Sweden 2012
- Before Covid we had like 1-2 meetings / year
- This is the first virtual meeting
- Next virtual meeting will be in May and will be about PowerShell 7
- Facebook / www.pugs.nu
- YouTube / www.youtube.com/channel/UCOW_0nTgeUaQjEyLwvxsRIA/featured



Make PowerShell a real solution in 5 steps

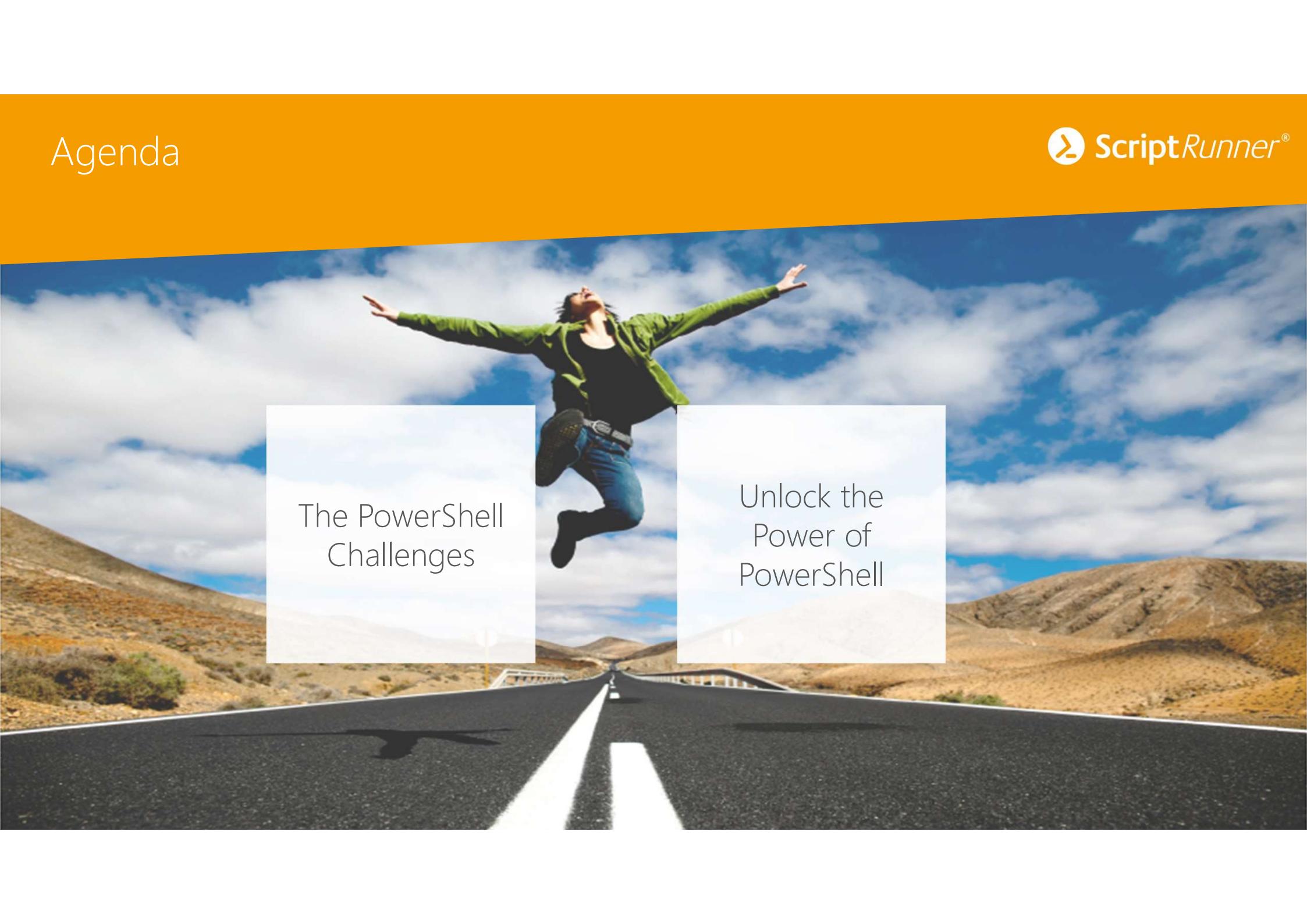
Automate. Delegate. Relax.

Heiko Brenn  @heikobrenn

www.scriptrunner.com



Agenda

A photograph of a person in mid-air, arms outstretched, set against a backdrop of a bright blue sky with scattered white clouds. This central image is overlaid with two white rectangular boxes containing text.

The PowerShell
Challenges

Unlock the
Power of
PowerShell

Short profile Heiko Brenn



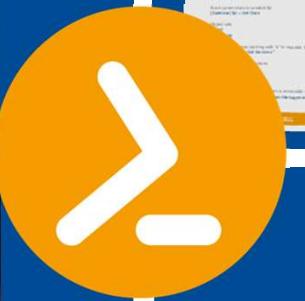
A screenshot of Heiko Brenn's LinkedIn profile. The profile picture shows a man with glasses and a yellow face mask. The background of the profile header features a road leading towards a bright horizon with the text "POSSH HIGHWAY TO SHELL". Below the header, the profile information includes:

Heiko Brenn
@HeikoBrenn
#PowerShell enthusiast @Script_Runner | Music lover | Drummer for @ScriptyBoyz | Co-Founded @PSUGRheinNeckar
⌚ Germany ⌚ scriptrunner.com 📅 Joined September 2018
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
 - Phone: +49-162-4879156 and +1-6469806339
 - Email: heiko.brenn@scriptrunner.com
 - LinkedIn: www.linkedin.com/in/HeikoBrenn
 - Twitter: twitter.com/heikobrenn
 - GitHub: github.com/HeikoBrenn

Win An Amazon Gift Card
Raffle at the end of this session





Windows PowerShell

www.scriptrunner.com

The PowerShell language is a command-line shell and scripting language built on top of the .NET Framework. It provides a way to interact with the Windows operating system and its services, as well as a way to script complex tasks.

Condition

```
if ((Get-Date).Year -le 2014) { "Old" } else { "New" }
```

Loops

```
for($i = 1; $i -le 10; $i++) { $i }  
while($i -le 10) { $i; $i++ }  
do { $i; $i++ } while ($i -le 10)  
foreach ($p in (Get-Process iexpl)
```

COMMANDS

INPUT AND OUTPUT OPERATORS

CONDITIONALS AND USING IF STATEMENTS

LOOPS

DIRECT OBJECT ACCESS TO PHYSICAL OBJECTS



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heiko.brenn@scriptrunner.com



ScriptRunner®

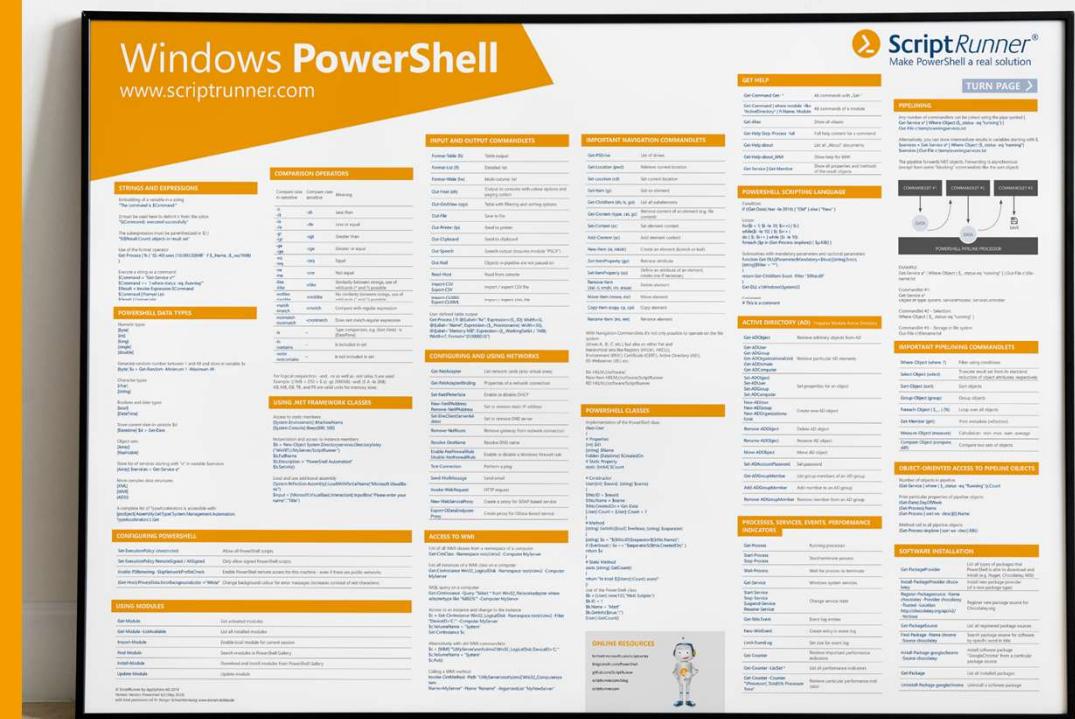
The #1 for PowerShell Management

We ❤️ Community



Get your free PowerShell poster

lp.scriptrunner.com/en/powershell-poster



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 manage 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?



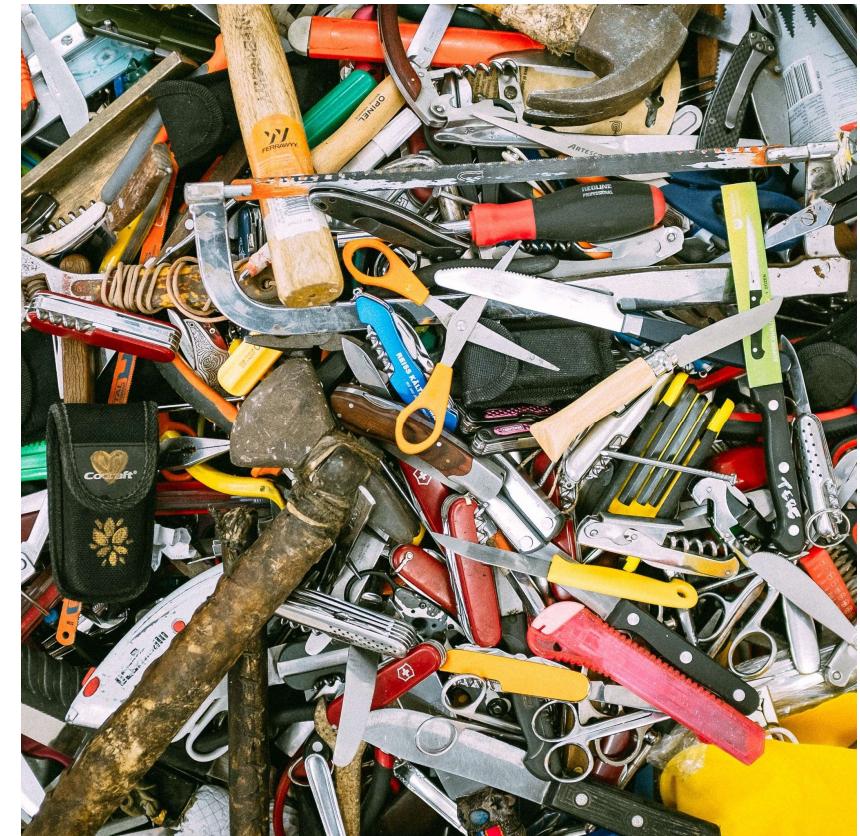
"Unorganized" PowerShell infrastructure

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

Integration



Accessibility for non-IT experts



BEFORE

A screenshot of the Windows PowerShell ISE interface. It shows 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 includes logic to determine if an auto-reply is scheduled or enabled, and it uses the `Get-Mailbox` cmdlet to retrieve mailbox objects and the `Set-MailboxAutoReplyConfiguration` cmdlet to update their auto-reply settings. The code also handles errors and formats output messages. The PowerShell window at the bottom shows the command PS C:\Users\administrator.COMPANY>.

AFTER

A screenshot of the ScriptRunner web application. The URL is company.net/OutofOffice/. The page title is "elfService" and the main heading is "OutOfOffice". Below the heading is the subtext "Create OOF Notifications With ScriptRunner Integration". There are several input fields and dropdown menus for configuration:

- "Please select the desired Parameter Set:" dropdown menu showing "Schedule Auto Reply".
- "Please select mailbox(es) Heiko was here:" search bar with placeholder "Search..." and a clear button.
- "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.

Centralizing PowerShell



STANDARDIZATION



COLLABORATION



MONITORING



SECURITY



DELEGATION



AUTOMATION



Make PowerShell A Real Solution In 5 Steps



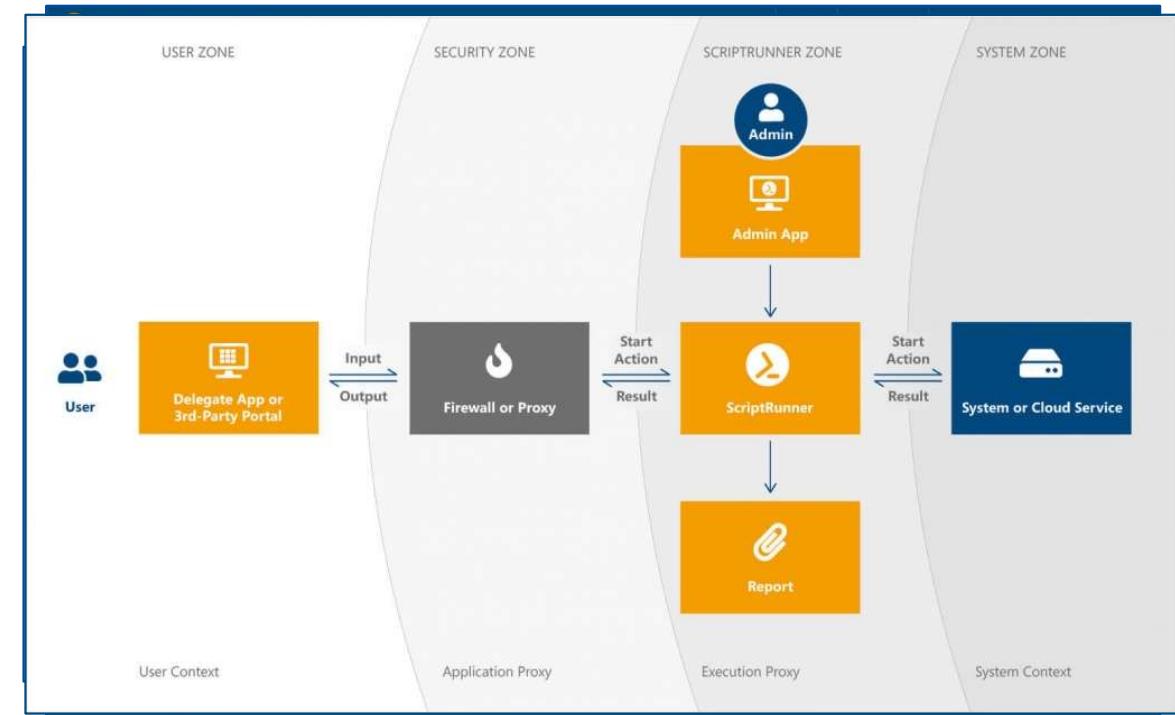
↗️ Centralize your PowerShell scripts and modules

🔒 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



The ScriptRunner Portal



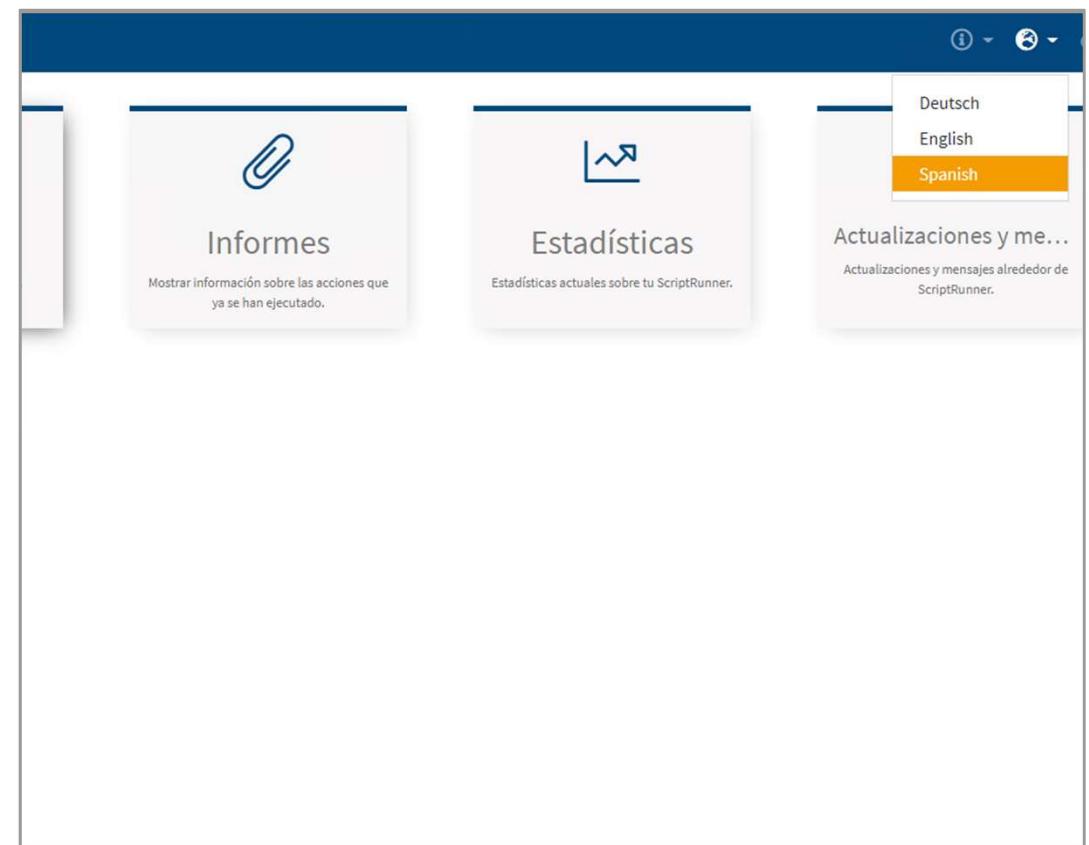
The PowerShell Management Central

Role-based access
Consistent user experience

Many customization options

Everyone can consume PowerShell Scripts
No PowerShell know-how required

Multi-language support



ScriptRunner Portal Widget



Deploy self-service tasks for end users

Run ScriptRunner Actions in
familiar web application

Easy integration

Embedded Actions seamlessly adapt
look and feel of existing website

Supports ScriptRunner
validations and queries

Please enter a description (optional)

Please enter a value

Please select the members of this Team

Search...

Angus Young × Shania Twain × Peter Gabriel ×

Phil Collins ×

20 Values - Please select

-- Select all -- Select all items

Angus Young

SMTina Turner

Shania Twain Selected

The screenshot shows a user interface for selecting team members. At the top, there's a search bar with placeholder text 'Please enter a value'. Below it is a list of selected team members: 'Angus Young', 'Shania Twain', and 'Peter Gabriel', each with a close button ('×'). Underneath is another list with one item: 'Phil Collins'. A message '20 Values - Please select' is displayed. At the bottom, there's a 'Select all' button and a 'Select all items' button. The list of names is scrollable, with 'Angus Young' and 'Shania Twain' currently visible.

Dashboards & Reports



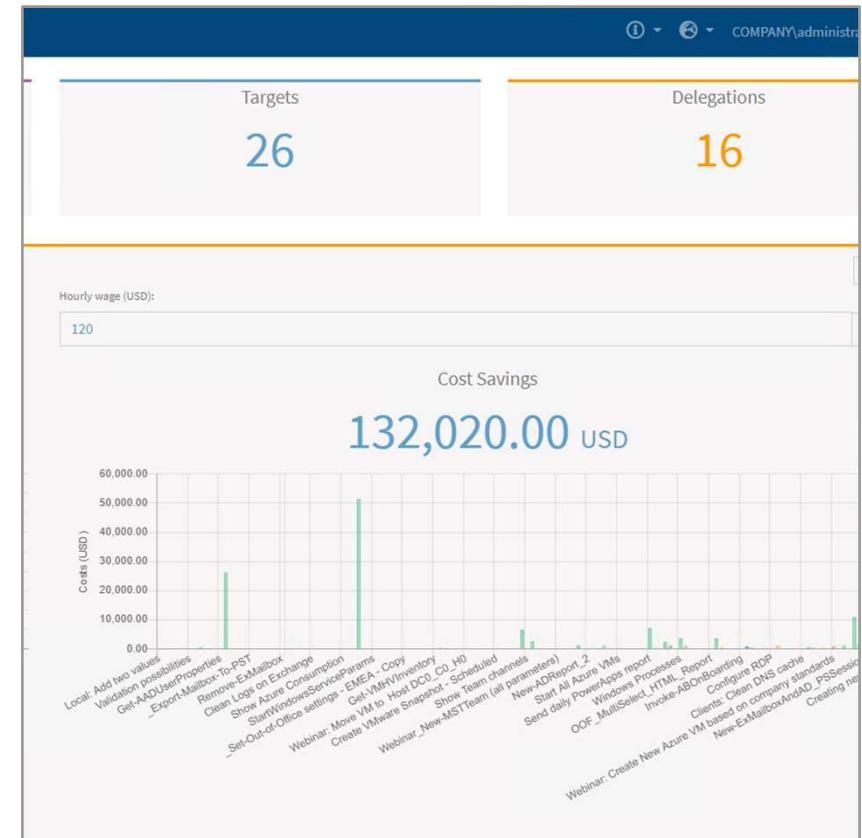
Multiple reports and result messages already available (i.e. processing reports)

Infrastructure reports

Processing Dashboard

Efficiency Dashboard
Visualize your cost and time savings

Configure time saved per Action and hourly wage



Power Platform and ScriptRunner



Trigger ScriptRunner Actions with a Power Automate Flow

Custom Connector enables ScriptRunner Actions

Custom Connector communicates with MS On-premises data gateway

SR Web Service Connector receives REST call and triggers SR Action

Create Swagger file with SR Actions in SR Admin App

A screenshot of the ScriptRunner Admin App interface. At the top, there is a list of connectors:

- Matrix42 Workspace Management
- Nagios / Icinga Monitoring
- PRTG Monitoring
- SAP
- ServiceNow ITSM
- Test WebService

The "Test WebService" connector is highlighted with a yellow background. Below the connector list is a dark grey footer bar containing four icons: a trash can labeled "Delete", a checkmark labeled "On", a power button labeled "Off", and an export icon labeled "Export OpenAPI".

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

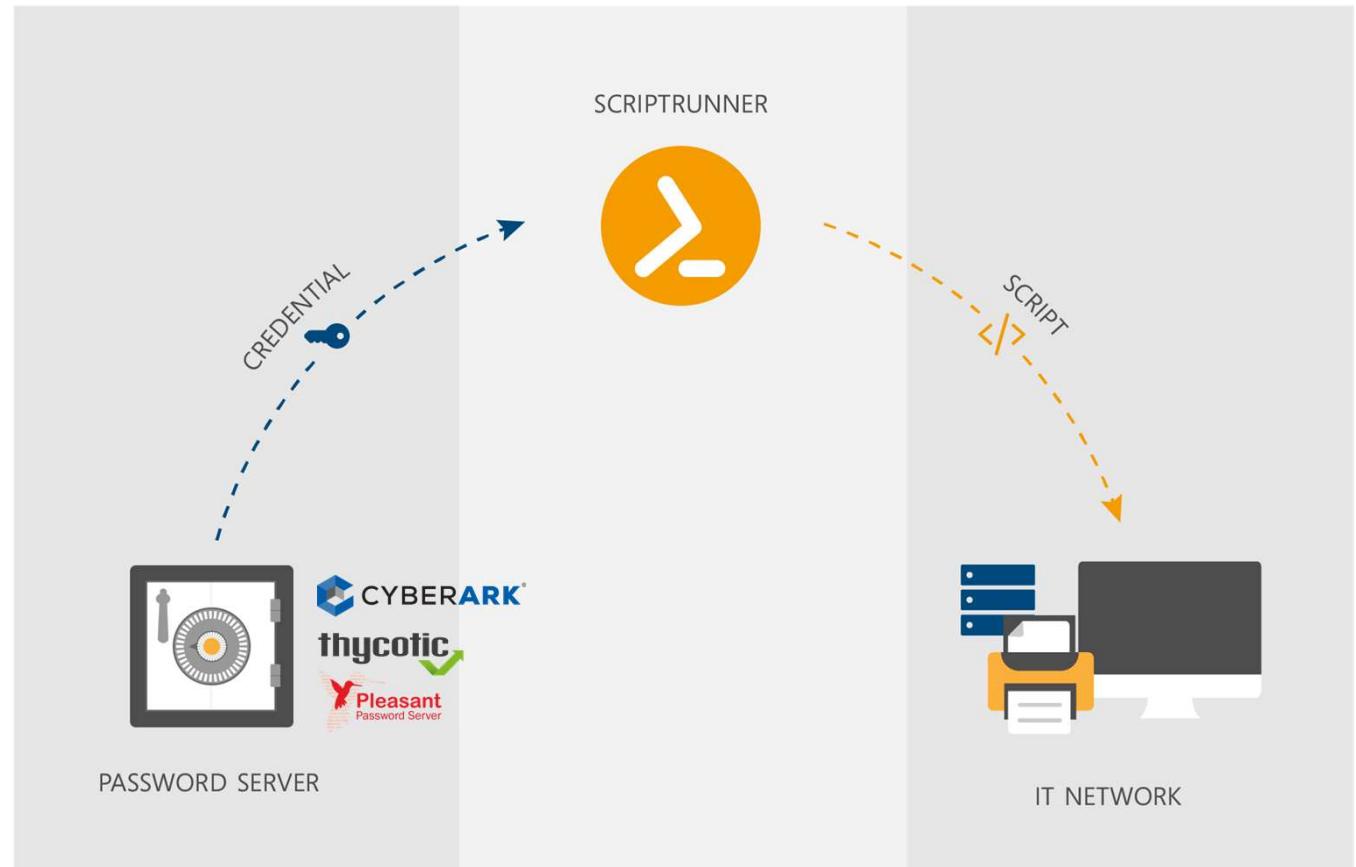
github.com/scriptrunner/ActionPacks



Password Server Support

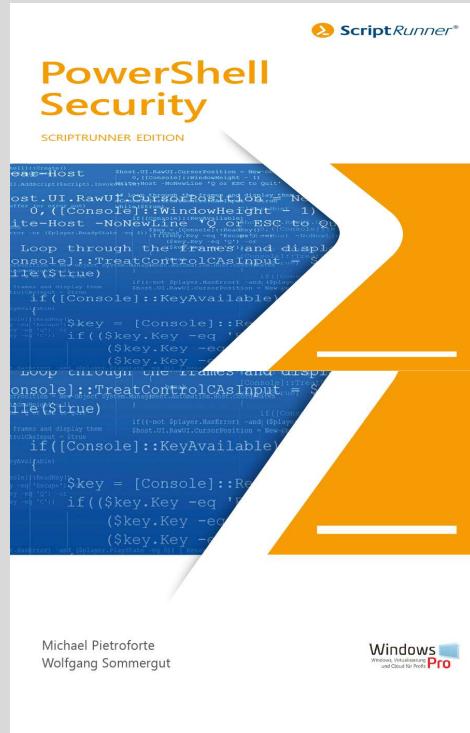


- Centralized password safes
 - CyberArk Password Vault
 - Pleasant Password Server
 - Thycotic Secret Server
- No credentials are stored locally
- Automatic password rotation
- One single secure password repository for multiple ScriptRunner instances



Free ebook: PowerShell Security

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



PowerShell Security

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ScriptRunner – How to run scripts



Manually



Scheduled



Automatically

Web-based user interaction

Time-controlled tasks

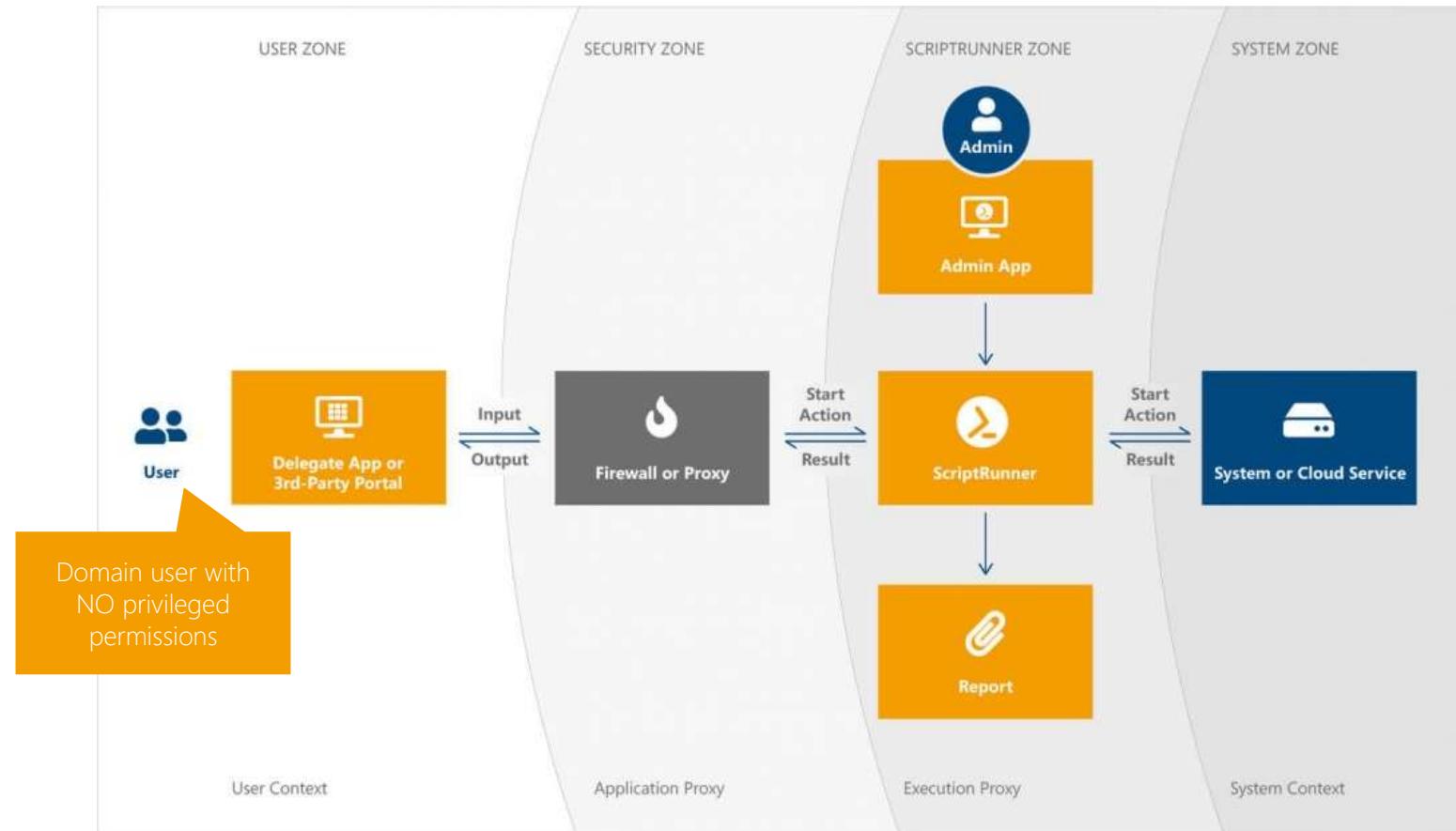
Event triggered by 3rd party systems

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



DevOps



HelpDesk

Deliver more & better services in less time



Developer

Develop scripts for more use cases/users



EndUser

Faster task completion with self-services

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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free.

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