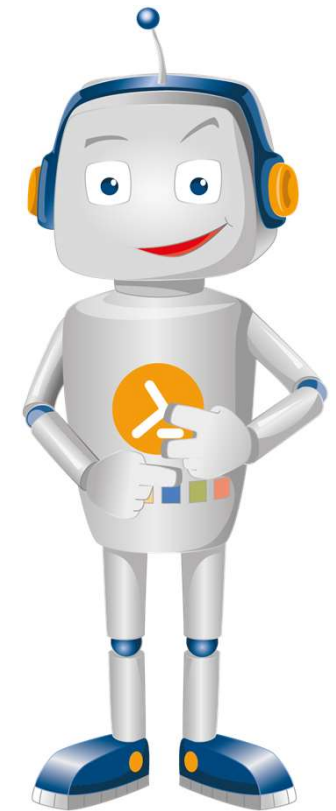


WFH – Managed by PowerShell

Make PowerShell a real solution. Automate. Delegate. Relax.

Heiko Brenn | Head of International Business



- › Duration: approx. 45 minutes
- › Phones are muted during this webinar
- › You can pose questions via the chat function of GoToWebinar
- › We will answer your questions at the end of the presentation
- › You will get access to the presentation slides and the webinar recording => Double Opt-In required!



Short profile Heiko Brenn



- 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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 - LinkedIn: www.linkedin.com/in/HeikoBrenn
 - Twitter: twitter.com/heikobrenn
 - GitHub: github.com/HeikoBrenn

Agenda

A top-down view of a person's legs in blue jeans sitting on a wooden floor. A silver laptop is open in front of them. To the left, a dark brown tabby cat is lying down, its front paw resting on the laptop's trackpad. Various papers and documents are scattered around the laptop, including a color calibration chart, a smartphone, and several charts and graphs. The person's hands are visible, typing on the laptop keyboard.

Why automate
with
PowerShell?

What to
automate with
PowerShell?

Get more
done with
PowerShell and
ScriptRunner

Why Automate With PowerShell?



Automation is important

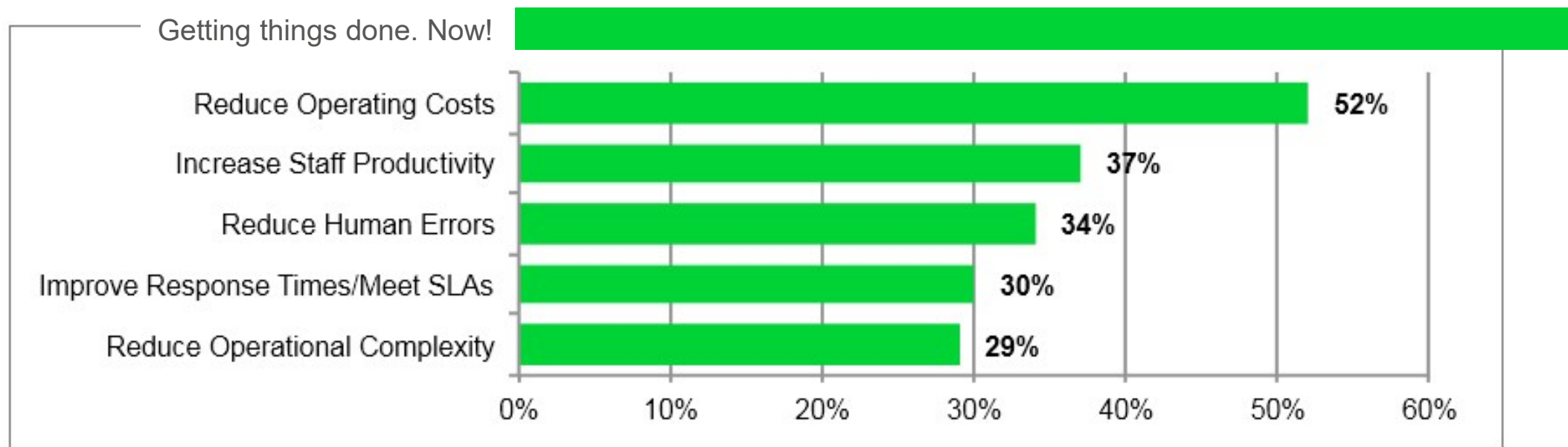


Figure 1 – Top business drivers for service automation

Automation is important



AUTOMATION

Most organizations are still struggling to automate routine tasks. As such, automation is one of the top three priorities for organizations of all sizes and verticals.

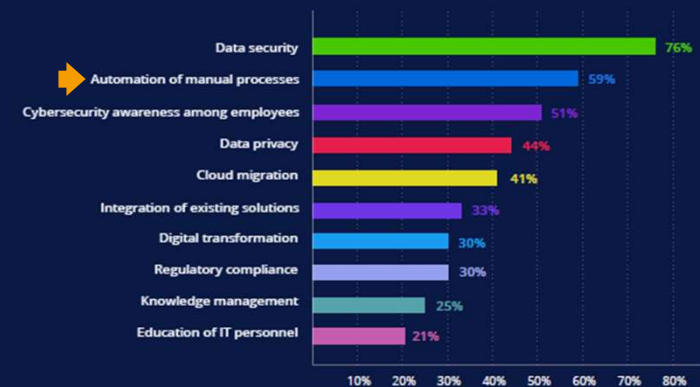
59%

of IT/systems administrators plan to spend time and money on automation.

TOP 10

IT PRIORITIES BY JOB ROLE

IT/SYSTEMS ADMINISTRATOR



What to automate
with PowerShell?



WFH – PowerShell Use Cases (a selection)

Enable Active Sync

Deploy and manage
Microsoft Teams

Set Out-of-Office „WFH“
notifications

Configure and monitor
Windows clients

etc...



Demo

How to automate WFH with PowerShell?



Get more done with
PowerShell and ScriptRunner



Challenges

PowerShell Know-How Bottleneck

How to delegate?

What to delegate?

How to keep control?

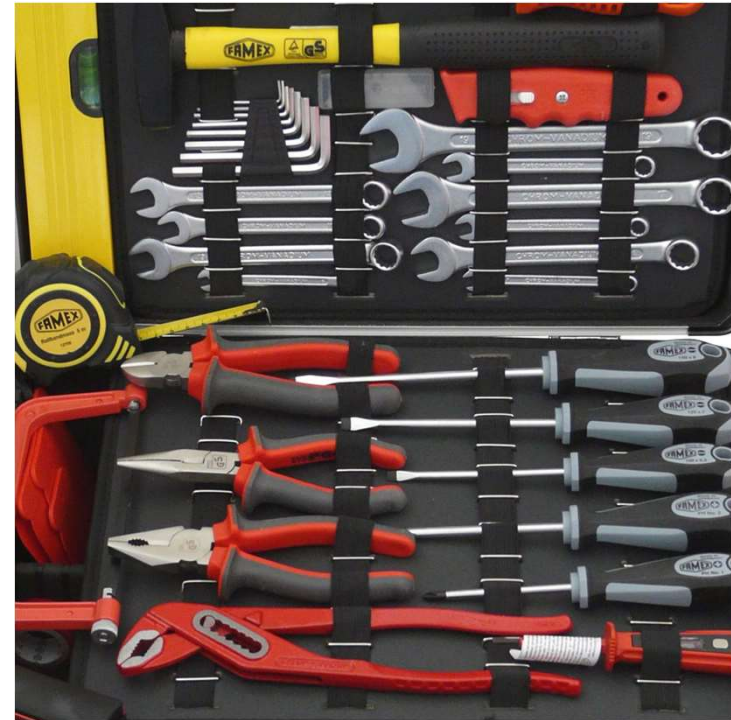
Where to start?



Why ScriptRunner?



VS



Six reasons for centralizing PowerShell



Standardization



Collaboration



Supervision



Security



Delegation



Automation

Get More Done With PowerShell In 5 Steps



Centralize
your
PowerShell
scripts



Manage
credentials
and
permissions
securely



Automatic
web-based
input forms
with
NO extra
code



Delegate
tasks to
help desk
and
end users



View all
PowerShell
activities
at a glance

ScriptRunner – The #1 PowerShell Management Solution



Manually

Users execute tasks in web browser



Scheduled

Time-controlled tasks



Automatic

Event triggered by 3rd party systems

Microsoft Teams, PowerShell and ScriptRunner



Simply the way you develop,
manage and delegate PowerShell

Centralize all PowerShell activities

Standardize and delegate
recurring tasks

Easy-to-use Web App for Admins,
HelpDesk and End-Users

Automatically send messages to
Team channels

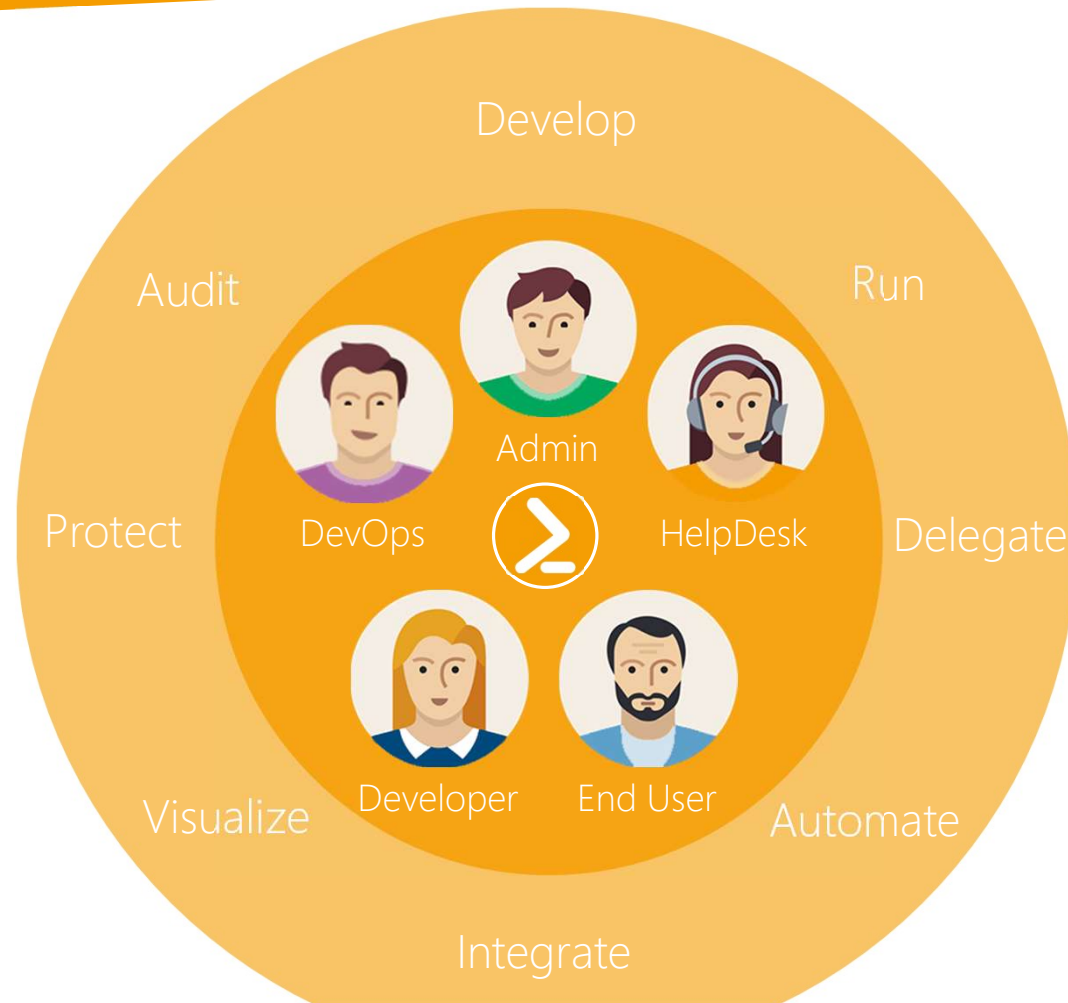


Demo

ScriptRunner in Action



ScriptRunner – Your Smart PowerShell Control Center



ScriptRunner – Practical Examples and Use Cases



Develop scripts in a team and organize them centrally



Standardize administrative team activities



Manage user accounts and groups quickly and easily



Reset password, unlock user, (de)activate accounts



Automated user provisioning and deprovisioning



Exchange – Allow or block mobile access with Active Sync



Exchange – Smart management of Out of Office settings



Exchange – Manage mailboxes and distribution lists



Manage rights to files, directories and file and printer sharing



Print Management – Manage print servers, printers and print jobs



Manage Azure AD and Office 365 easily and securely



Delegate software provisioning and offer it as self-service

<https://www.scriptrunner.com/en/practical-examples/>

ScriptRunner – Make PowerShell A Real Solution



Admin



DevOps



Developer



HelpDesk



End User



ORACLE



aws



...

ScriptRunner – The components



ScriptDeveloper



DevOps Plugin

SysAdmin



AdminApp

ServiceDesk



DelegateApp

EndUser



SelfServiceApp

Ready-made Scripts



ActionPacks

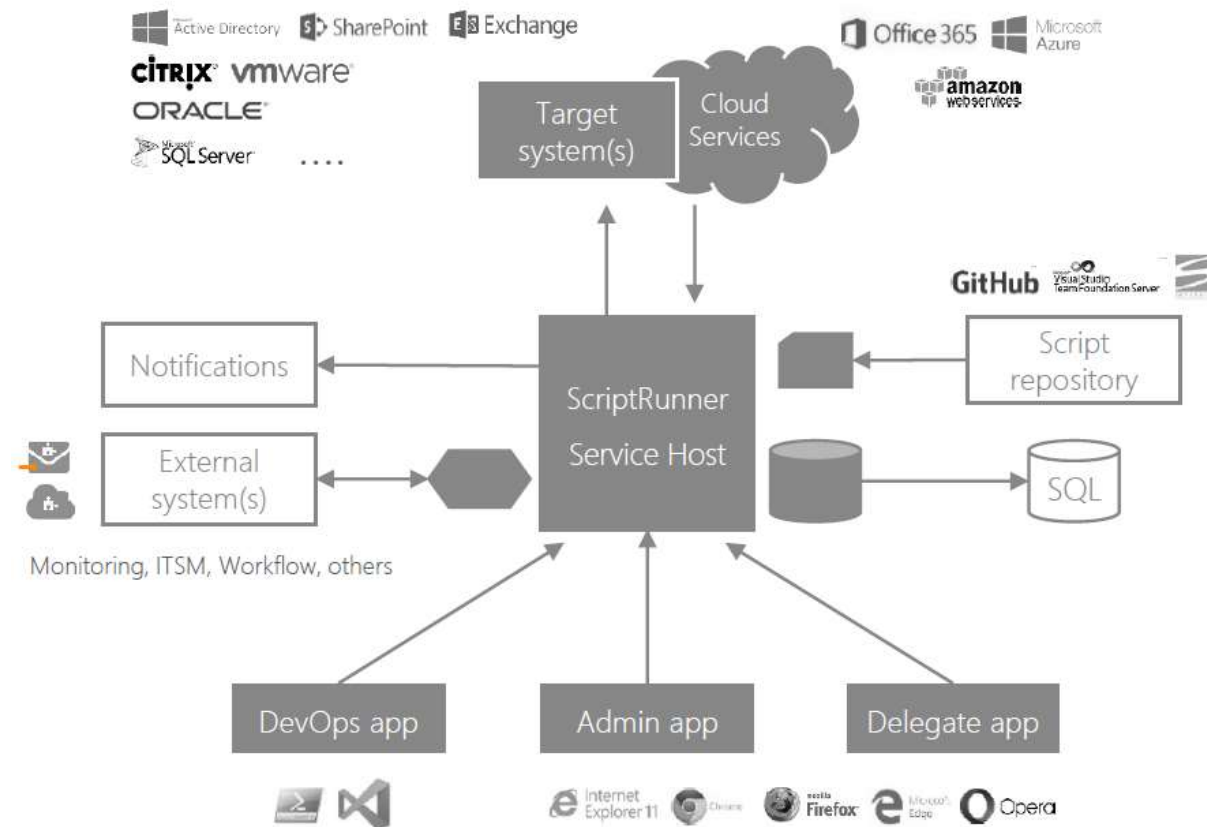
Integration



Connectors



ScriptRunner – How the components play together

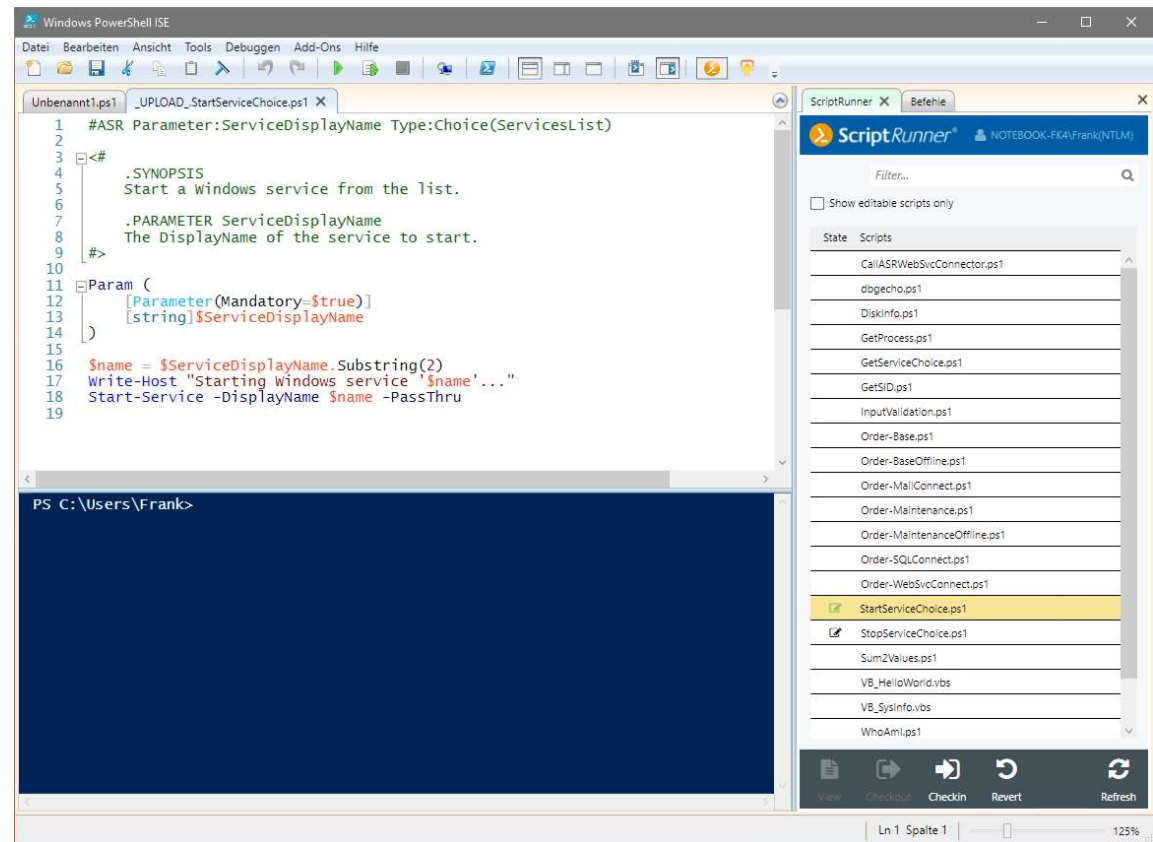


<https://www.scriptrunner.com/en/software/system/>

ScriptDeveloper – DevOps Plugin



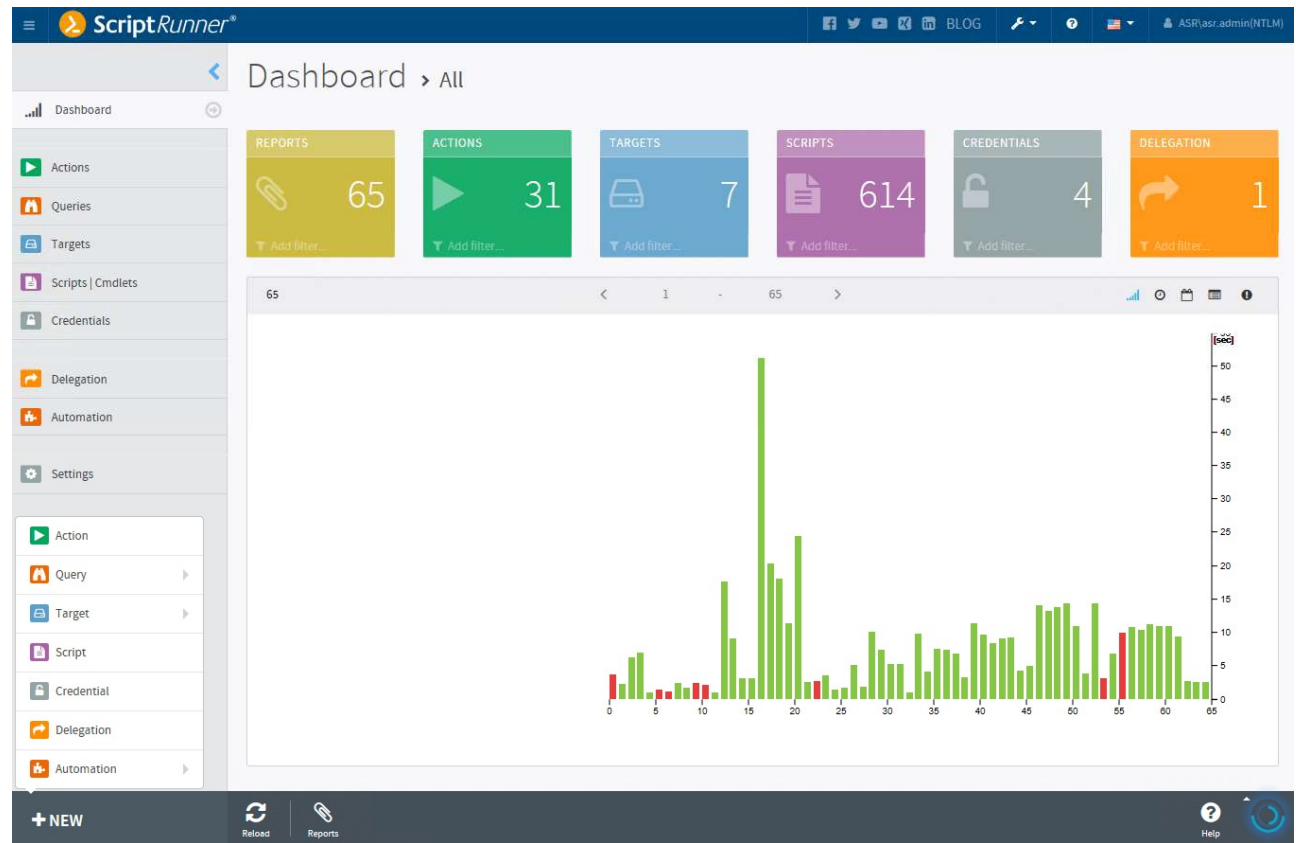
- › ISE Plugin
- › Team-based script development
- › Central script repository
- › Filters
- › Check-in with history
- › Check-out
- › GitHub integration
- › TFS integration
- › More information
 - › <https://www.scriptrunner.com/en/software/scripts/>



SysAdmin – Admin App



- › A web GUI for PowerShell
- › Dashboard for all activities
- › Create ScriptRunner actions
- › Manage and test queries
- › Target configuration
 - › Direct local
 - › PowerShell remoting
 - › Implicit remoting
- › Secure delegation of ScriptRunner actions
- › Scheduled script execution
- › Secure credential handling
- › Configure automation connectors
- › Organizing by tags
- › Reports and Logging
- › More information
 - › <https://www.scriptrunner.com/en/software/web-apps>



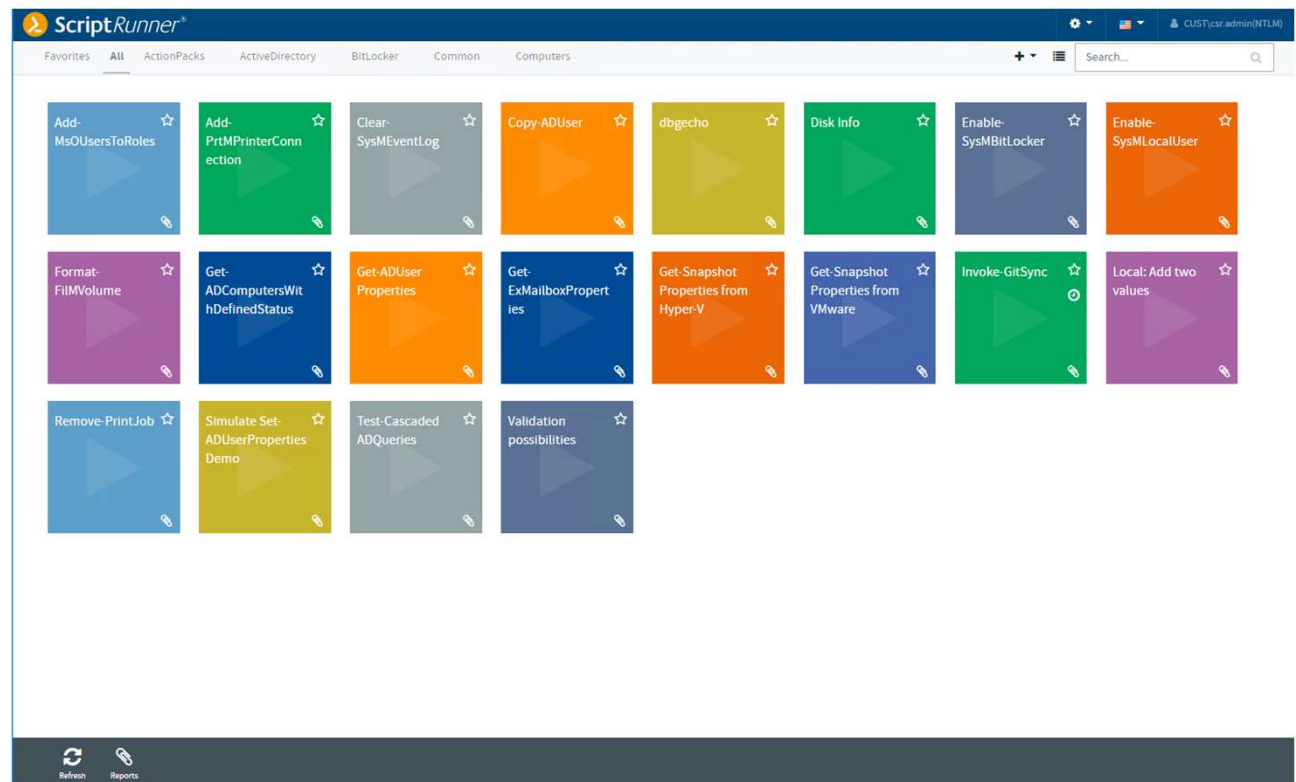
ScriptRunner – Secure Delegation



ServiceDesk – DelegateApp



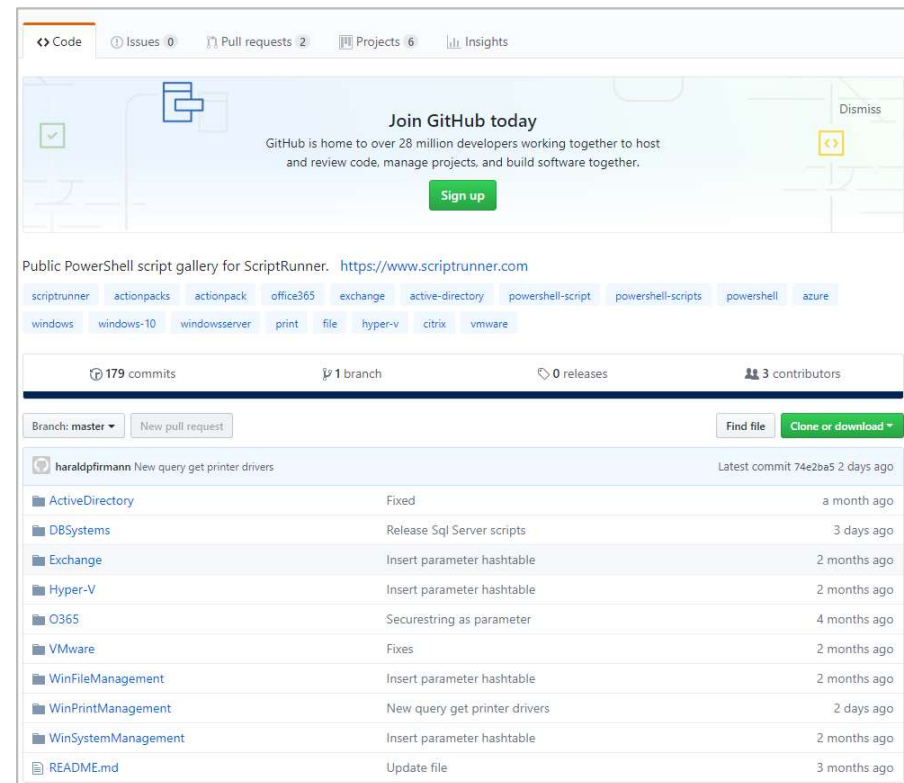
- A web GUI for PowerShell
- Execute PowerShell scripts in the browser
- Delegate specific ScriptRunner actions to team members, helpdesk or endusers
- No administrative permissions for users required
- Parameters for script execution can be hidden
- Input dialogs are automatically created from PowerShell script
- Script execution logging and reporting
- More information
 - <https://www.scriptrunner.com/en/software/web-apps>



Ready-made Scripts – ActionPacks









- Easy implementation of many use cases
- Out of the box scripts for
 - Active Directory
 - Office 365
 - Exchange
 - VMWare
 - Hyper-V
 - Citrix
 - File-/PrintServer
- Scripts and templates for partner products
 - Paessler PRTG
 - Matrix42
 - Nagios
 - Automic ONE
- More informationen
 - <https://github.com/scriptrunner/ActionPacks>
 - <https://www.scriptrunner.com/en/software/script-sammlungen/>



ScriptRunner – Out-Of-Office example



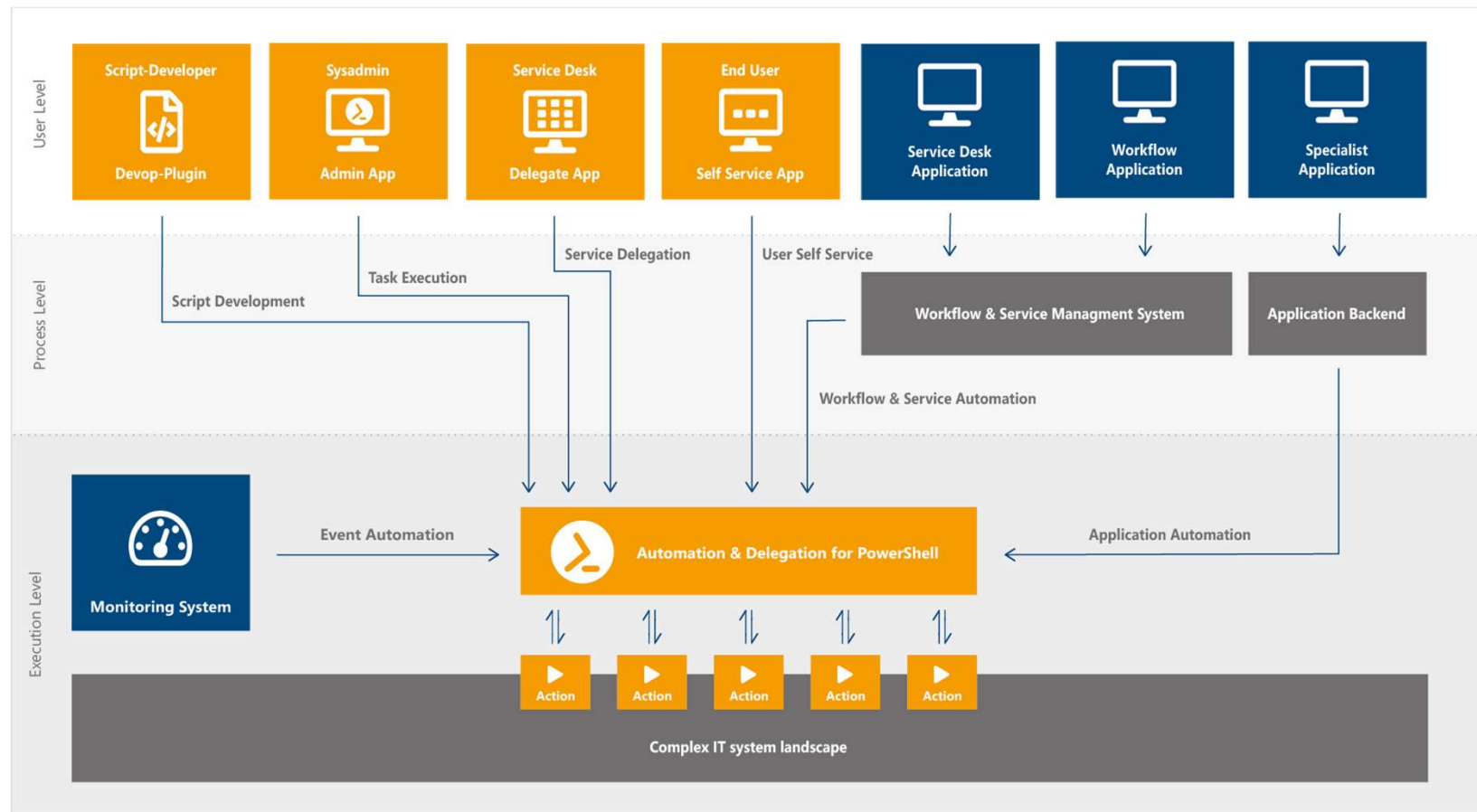
	Actions	Activate OutOfOffice
	Queries	Select mailbox(es)
	Targets	Exchange, Exchange Online
	Scripts	Set-OutOfOffice.ps1
	Credentials	Service account with necessary permissions
	Delegation	Helpdesk user, End user

Integration – Add new functions with connectors

- 3rd party systems automatically trigger ScriptRunner Actions
 - Monitoring Systems
 - IT Service Management
 - Business Workflow
 - Applications
- Password server integration
 - CyberArk
 - Pleasant
 - Thycotic
- More information
 - <https://www.scriptrunner.com/en/software/automation-connector/>



ScriptRunner – The Full Picture



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

Get your free PowerShell poster



<https://lp.scriptrunner.com/en/powershell-poster>

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/>

ScriptRunner: One Solution – Many Benefits



Manager

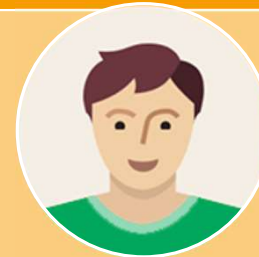
My teams
become
more
productive

Deliver great scripts in
a secure environment



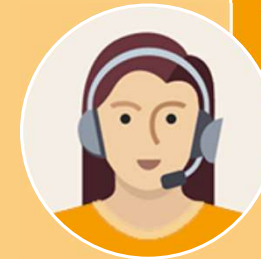
DevOps

Delegate recurring
tasks and save time



Administrator

Deliver more & better
services in less time



HelpDesk

Developer

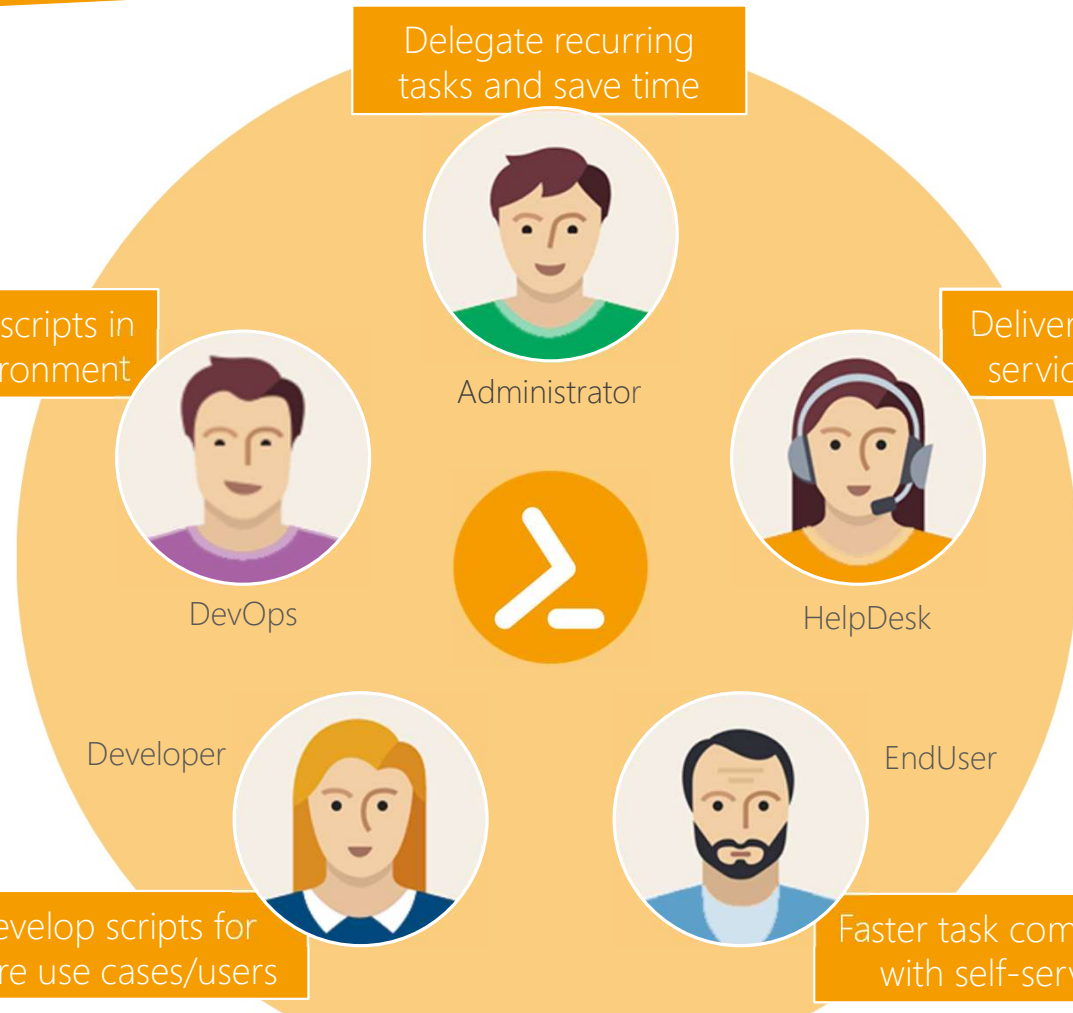


Develop scripts for
more use cases/users

EndUser



Faster task completion
with self-services



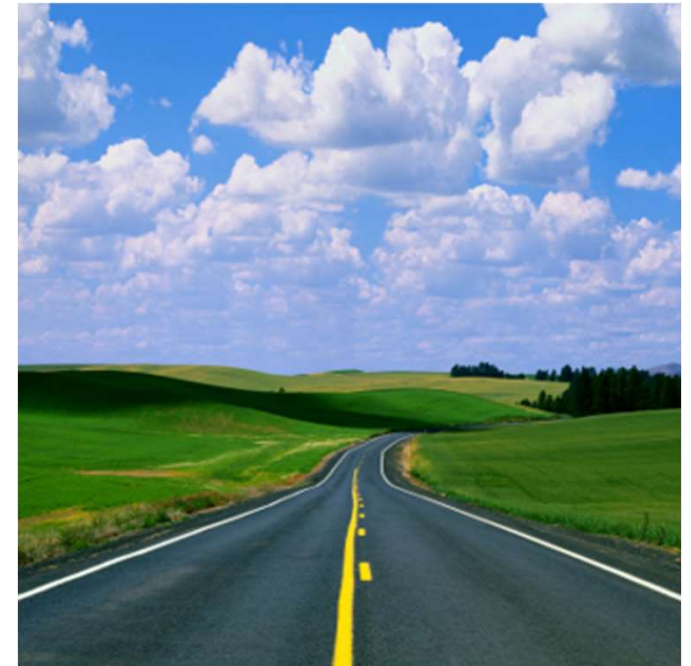
Next Steps

Read the LinkedIn article „2020 – Finally the year of IT automation?“ <https://bit.ly/2NNkc88>

Start testing ScriptRunner:
lp.scriptrunner.com/en/demo-download

Book a online demo session with me:
lp.scriptrunner.com/meetings/heiko-brenn/demo-en

Start using hundreds of ready-made PowerShell scripts: <https://github.com/scriptrunner/ActionPacks>



Use cases with and without ScriptRunner



Case	Done by Admin (2nd/3rd Level)	Delegated with ScriptRunner to ServiceDesk, TeamLead or EndUser
Creating an user in AD	5 min	1 min
Reset User Password	2 min	1 min
Change User Props	4 min	1 min
Change of permissions	5 min	1 min
Create Mailbox	4 min	1 min
Change Mailbox Props	5 min	1 min
Set Out-of-office	not available	1 min Service Desk or TeamLead
User Statistics	10 min	0 min Service Desk (automatically)
Mailbox Statistics	10 min	0 min Service Desk (automatically)

Most of the cases are already included in the ScriptRunner Action Packs. By using the Action Packs you avoid 50 up to 250 hours script development time.

Thank you.

www.scriptrunner.com

ScriptRunner – Make PowerShell a real solution. For you and your team.



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