

# Develop, manage and delegate your PowerShell scripts like a Pro

Automate. Delegate. Relax.

Heiko Brenn  @heikobrenn

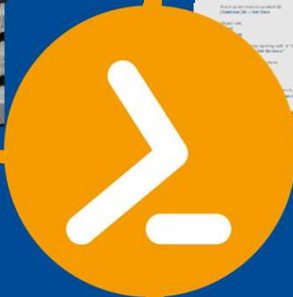
[www.scriptrunner.com](http://www.scriptrunner.com)





**Script***Runner*<sup>®</sup>

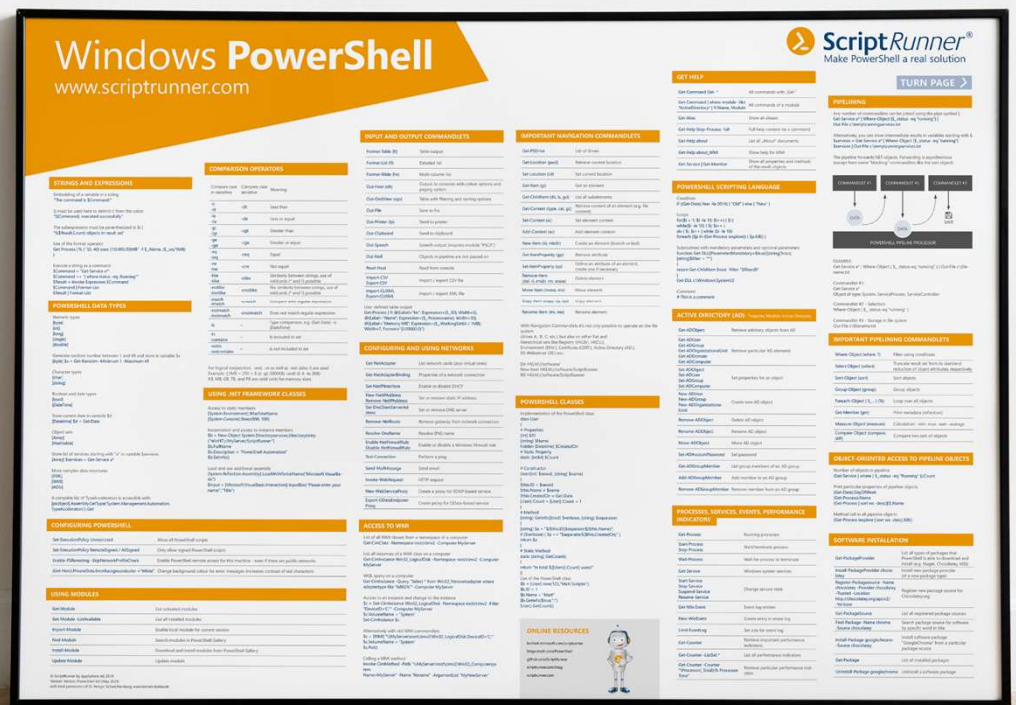
The #1 for PowerShell Management



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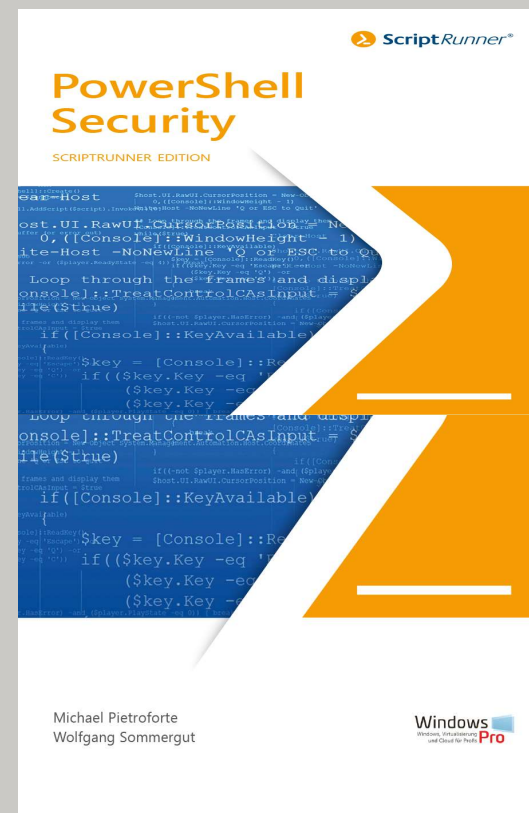


[lp.scriptrunner.com/en/powershell-poster](http://lp.scriptrunner.com/en/powershell-poster)



# Free eBook: PowerShell Security

[ip.scriptrunner.com/en/powershell-security-guide](http://ip.scriptrunner.com/en/powershell-security-guide)



## PowerShell Security

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# Challenges for IT Pros

PowerShell is a tool for IT experts only

How to delegate tasks to service desk or end users?

No centralized & secure PowerShell management

Many recurring tasks still have to be taken over by IT Pros

Drown in daily business



Centralizing PowerShell is key



Standardization



Collaboration



Supervision



Security



Delegation



Automation

# Achieve More With PowerShell In 5 Steps



Centralize your PowerShell scripts and modules



Manage credentials & permissions securely



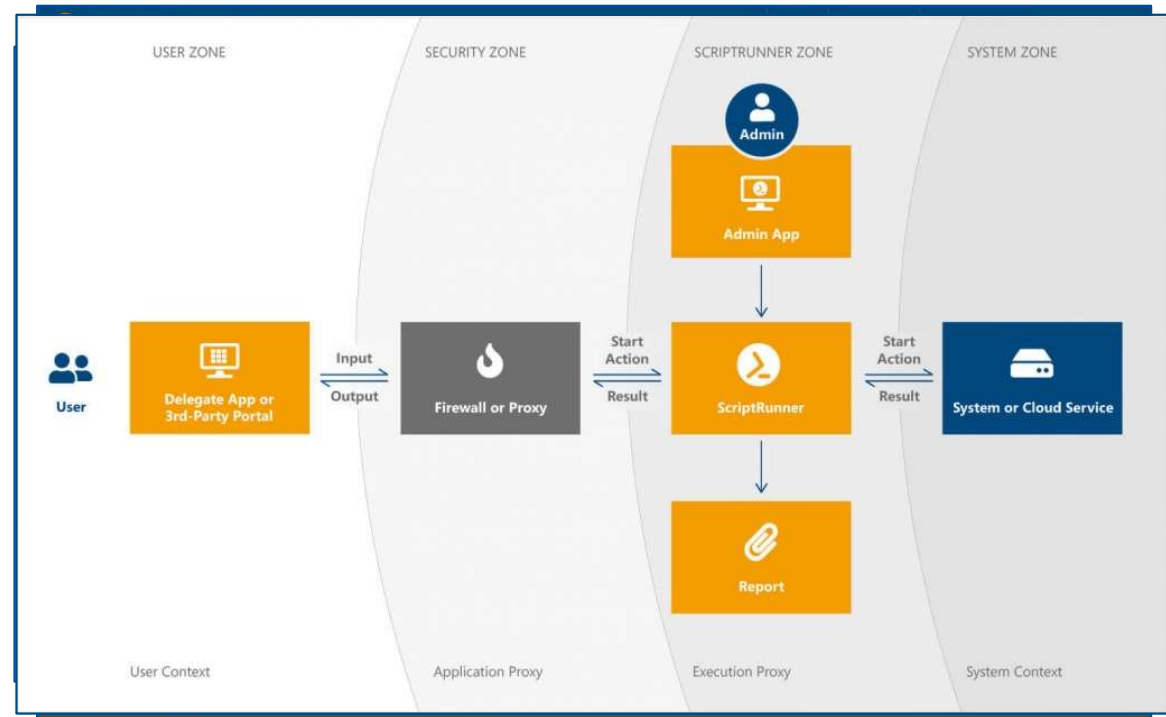
Automatically transform PowerShell scripts into Web GUIs



Delegate recurring tasks to help desk and end users



Integrate with ITSM, Monitoring & Workflow systems and more







Manually

Users execute tasks in web browser



Scheduled

Time-controlled tasks



Automatically

Event triggered by 3rd party systems

# Windows PowerShell & PowerShell 7 with ScriptRunner

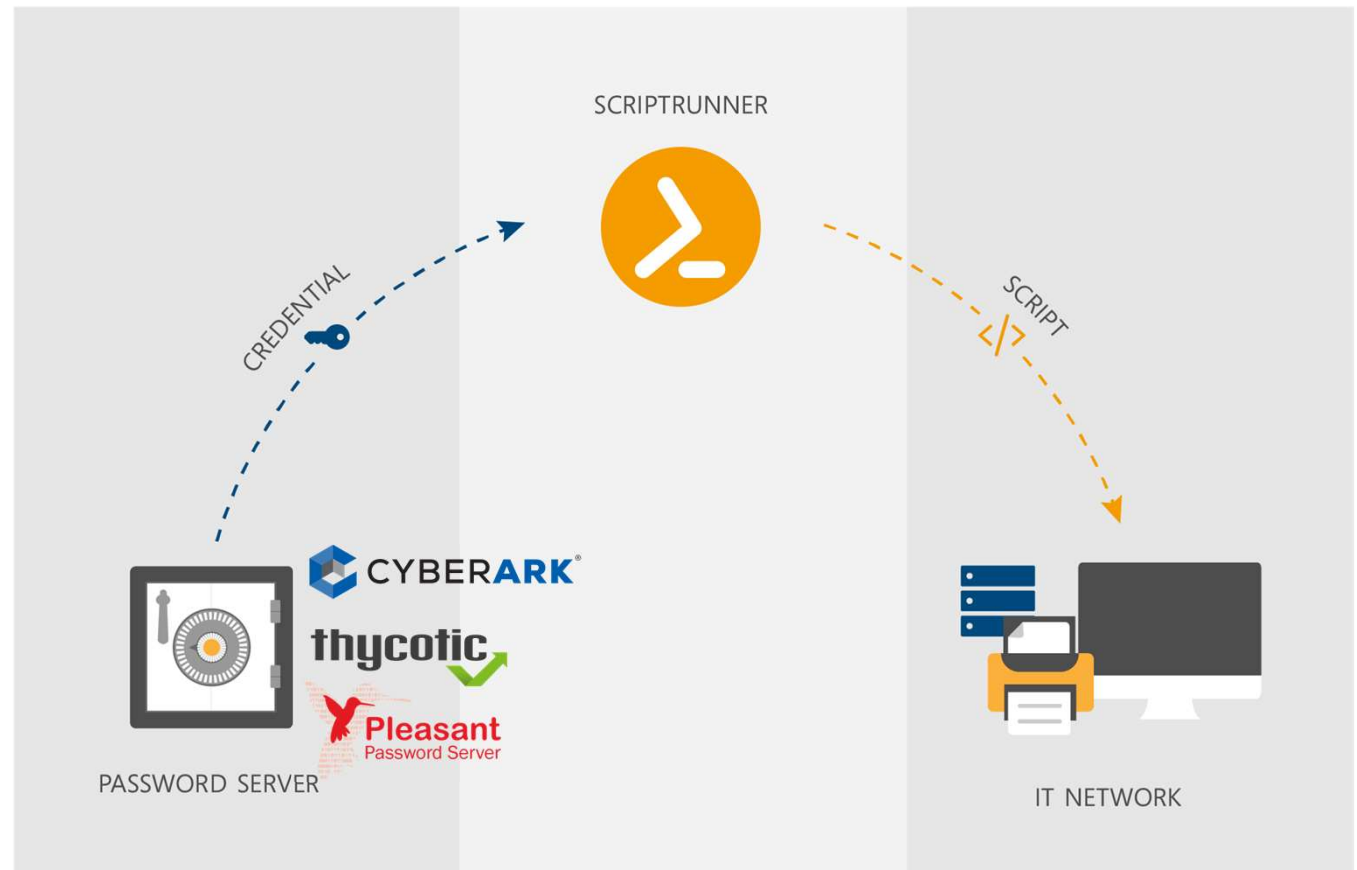


ScriptRunner®		
Windows PowerShell 2006 - today	PowerShell 7 2016 - today	
.NET Framework	.NET Core	
Windows	Linux	macOS

# Password Server Support



- Centralized password safes
  - CyberArk Password Vault
  - Pleasant Password Server
  - Thycotic Secret Server
- No credentials are stored locally
- Automatic password rotation
- Easy one secure password repository for multiple ScriptRunner servers



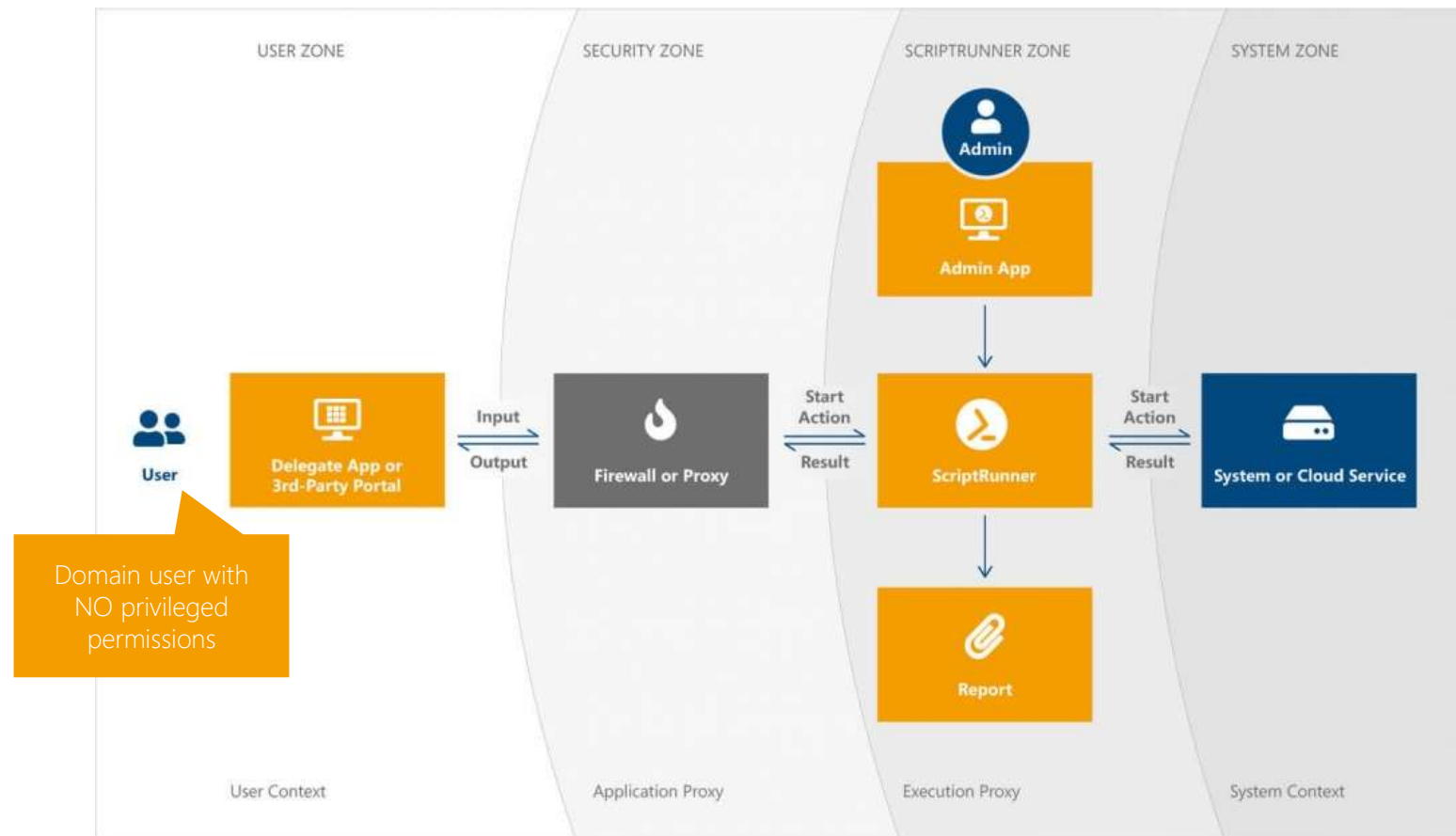
# Demo

ScriptRunner in Action





# 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/>

# 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/use-cases/>

# ScriptRunner – Make PowerShell A Real Solution



Admin



DevOps



Developer



Help Desk



End User



ORACLE



aws



...



# ScriptRunner – The components



ScriptDeveloper



DevOps Plugin

SysAdmin



AdminApp

ServiceDesk



DelegateApp

EndUser



SelfServiceApp

Ready-made Scripts



ActionPacks

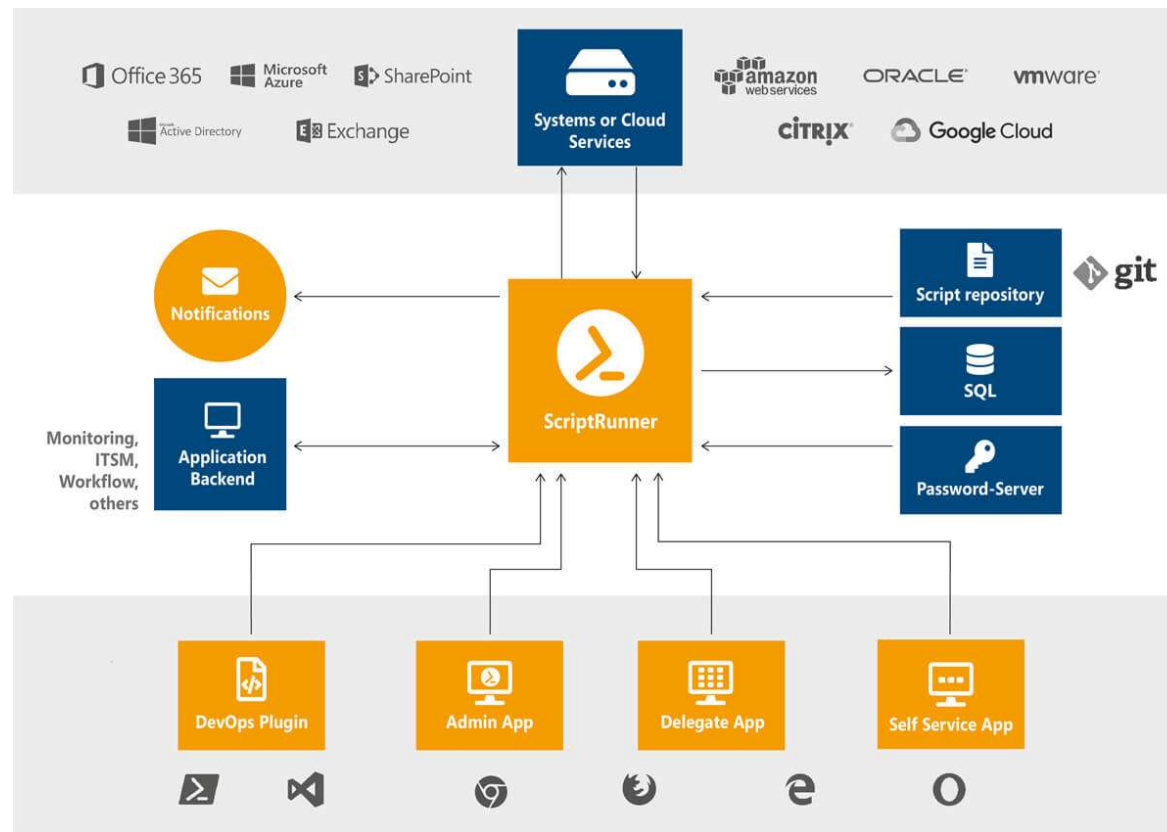
Integration



Connectors



# ScriptRunner – How the components play together

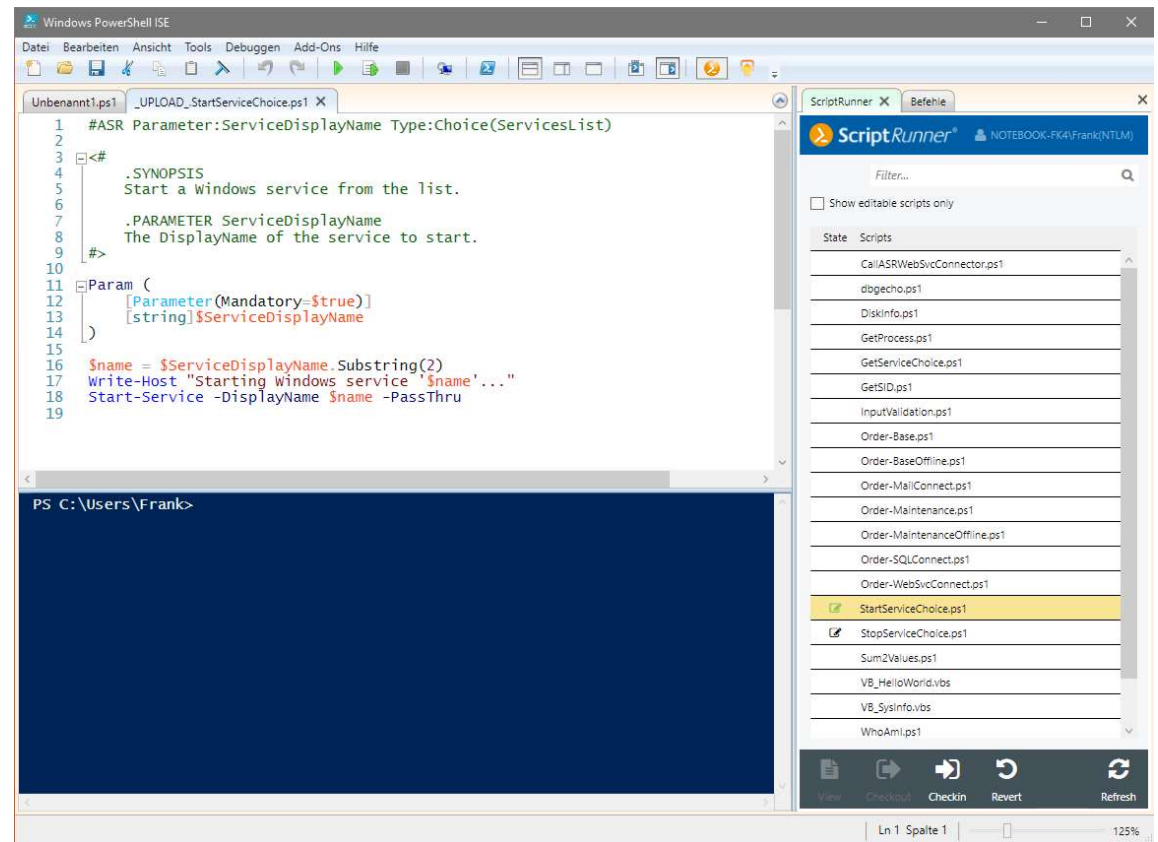


<https://www.scriptrunner.com/en/software/system/>

# ScriptDeveloper – DevOps Plugin



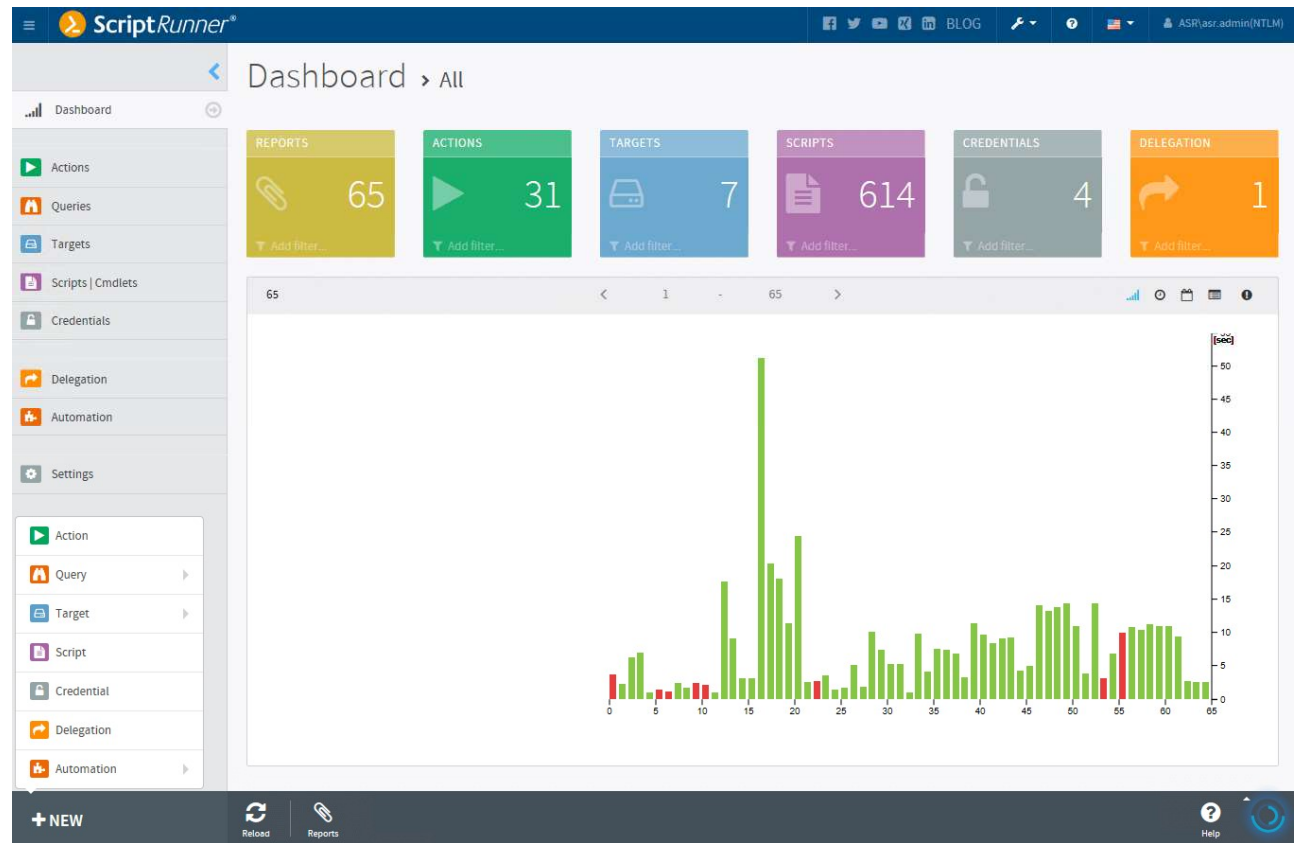
- › ISE Plugin
- › Team-based script development
- › Central script repository
- › Filters
- › Check-in with history
- › Check-out
- › GitHub integration
- › TFS integration
- › More information
  - › <https://www.scriptrunner.com/en/software/scripts/>



# 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>

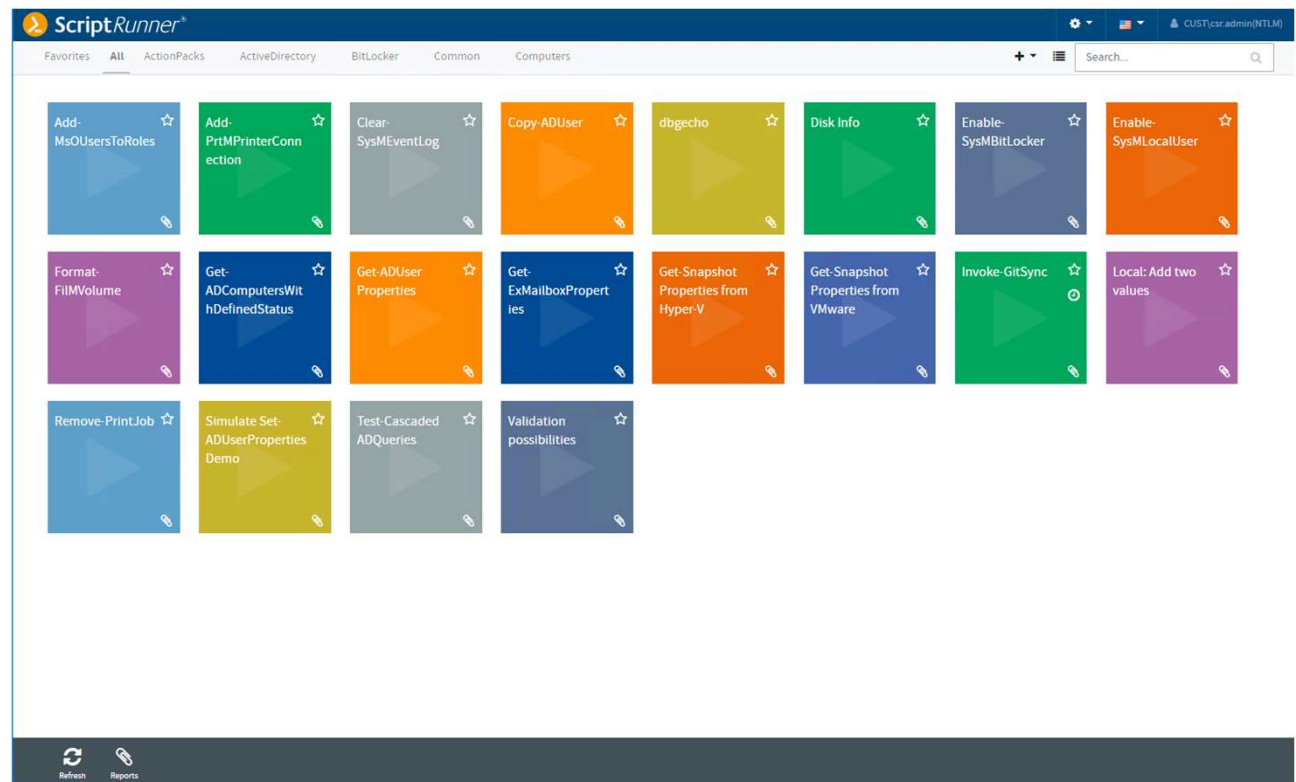




# ServiceDesk – DelegateApp



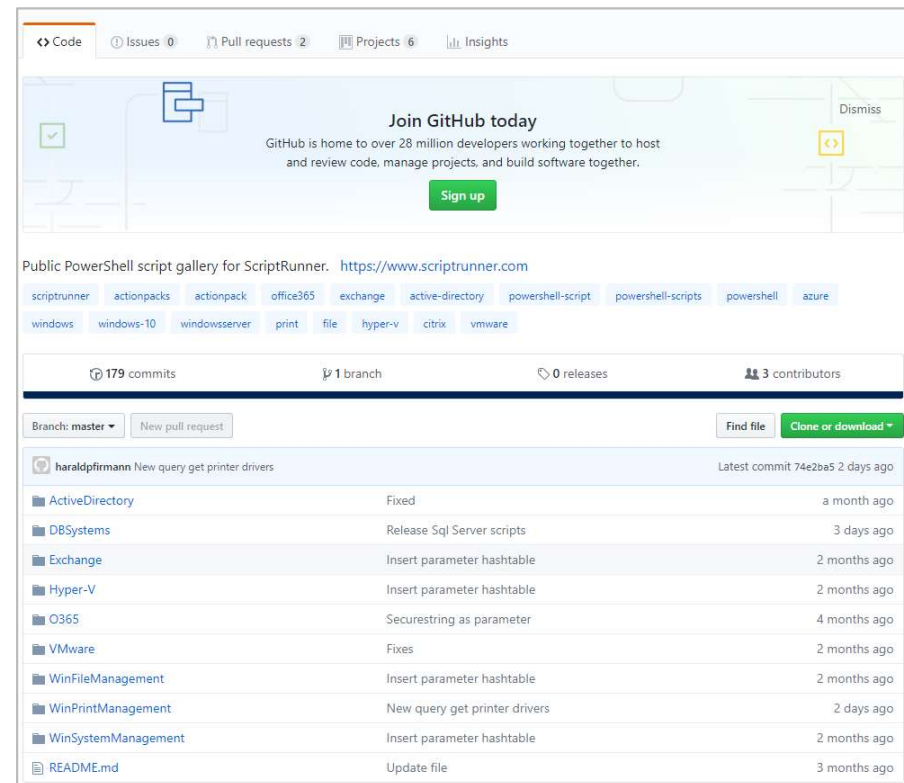
- › A web GUI for PowerShell
- › Execute PowerShell scripts in the browser
- › Delegate specific ScriptRunner actions to team members, helpdesk or endusers
- › No administrative permissions for users required
- › Parameters for script execution can be hidden
- › Input dialogs are automatically created 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	Help desk user, End user

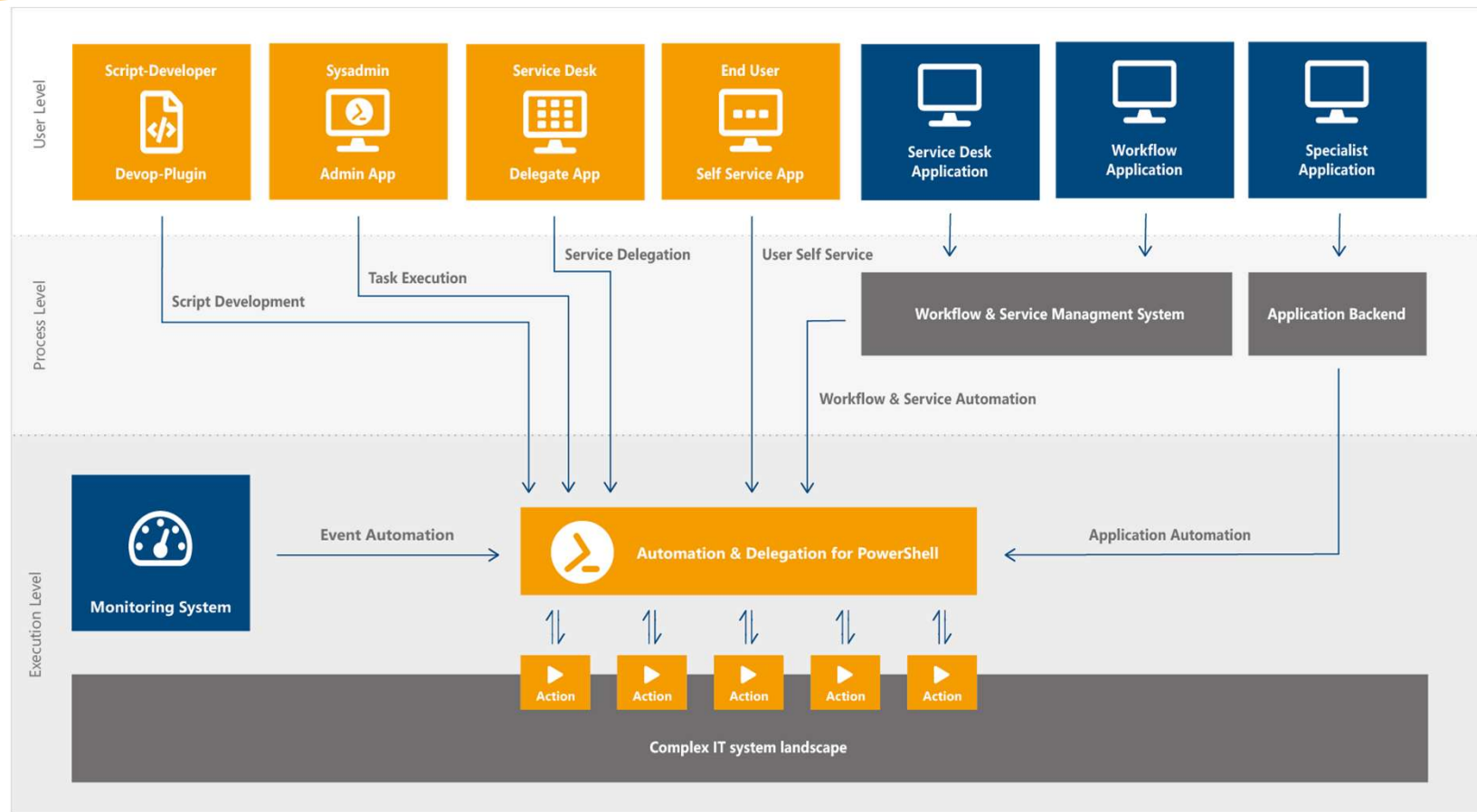
# Integration – Add new functions with connectors

- 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/>



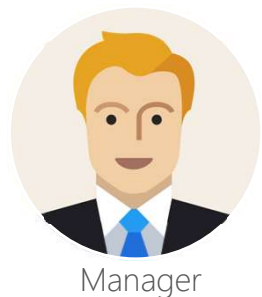


# ScriptRunner – The Full Picture



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

# ScriptRunner: One Solution – Many Benefits



Manager

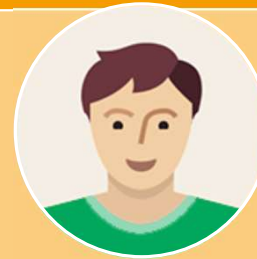
My teams  
become  
more  
productive

Deliver great scripts in  
a secure environment



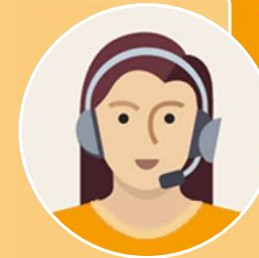
DevOps

Delegate recurring  
tasks and save time



Administrator

Deliver more & better  
services in less time



HelpDesk

Develop scripts for  
more use cases/users



Developer



EndUser

Faster task completion  
with self-services



Put ScriptRunner  
to the test.  
30 days for free.

[lp.scriptrunner.com/en/demo-download](http://lp.scriptrunner.com/en/demo-download)



# Webinar: Easily manage VMWare environments with PowerShell

Wednesday, October 28  
16:00 CEST | 10:00 am EST

[scriptrunner.com/en/webinars/](https://scriptrunner.com/en/webinars/)



# Thank you.

[www.scriptrunner.com](http://www.scriptrunner.com)

ScriptRunner – The #1 for PowerShell Management.



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