



ScriptRunner®

The #1 for PowerShell Management

Unlock the Power of PowerShell

Markus Hipp & Heiko Brenn

+49

2014

24

1819



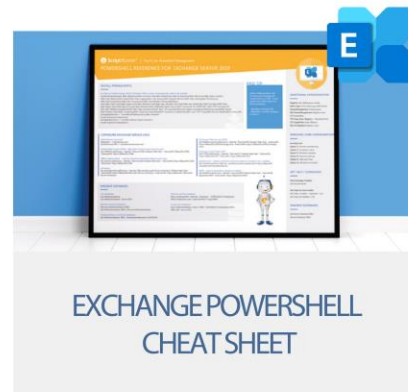
Hundreds of free
and ready-to-use
PowerShell scripts.

github.com/scriptrunner/ActionPacks



Get your free PowerShell goodies

ip.scriptrunner.com/en/powershell-goodies



Let's get in touch



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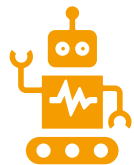
Github.com/HeikoBrenn
Github.com/ScriptRunner





STANDARDIZATION, AUTOMATION AND
DELEGATION OF RECURRING TASKS

AUTO-CREATED
USER FRIENDLY
WEB FORMS



INTERACTIVE, SCHEDULED
AND EVENT-DRIVEN
SCRIPT EXECUTION



SECURE
CREDENTIAL
ADMINISTRATION



COMPREHENSIVE
MONITORING AND
REPORTING



CENTRALIZED SCRIPTS AND
MODULES MANAGEMENT

Comprehensive monitoring and reporting



ScriptRunner®

en COMPANYAdministrator(Kerberos)

Live Monitor

Running scripts
3

10
8
6
4
2
0

Running Cqueued

ScriptRunner

2 Actions

0 Queued

1 Scheduled

1 Queries

Advanced Active Directory Report

Cancel execution

```
99 WARNING: Cannot resolve the manager, on the group 'Bass-AU'.
100 Done!
101 Working on Organizational Units Report...
102 Done!
103 Working on Users Report...
104 Done!
105 Working on Group Policy Report...
106 Done!
107 Working on Computers Report...
108 Done!
109 Compiling Report...
110
```

☒ Actions ☒ Scheduled ☐ Queued ☐ Queries

Filter by servers...

Action or scripted query	Started	Target	Runtime	Started by	Server
Simple Active Directory Report	a few seconds ago	AD local	Running...	COMPANY\Tina	ScriptRunner

Centralized script and module management



The screenshot displays the ScriptRunner web application interface. On the left is a navigation sidebar with options: Dashboard, Run, Authorize & Delegate, Monitoring, Configuration, Actions, Queries, Targets, Scripts (selected), Credentials, and Settings. The main content area is titled 'Scripts' and shows a list of scripts. The script 'Set-EOOutOfOffice.ps1' is selected, and its details are shown on the right. The 'Code editor' tab is active, displaying PowerShell code for setting out-of-office replies. The code includes parameters for mandatory status, date, disable/enable auto-reply, and schedule auto-reply, followed by logic to generate a report and set the auto-reply state.

ScriptRunner

en COMPANY\Administrator(Kerberos)

Scripts Showing 9 of 1282 Scripts

+ New script + Import script

Public

Set-EOOutOfOffice.ps1 Checked out by me

Save → Check in script Revoke script editing

CONFIGURATION

General

Header information

Code editor

INFORMATION

Change history

Used by

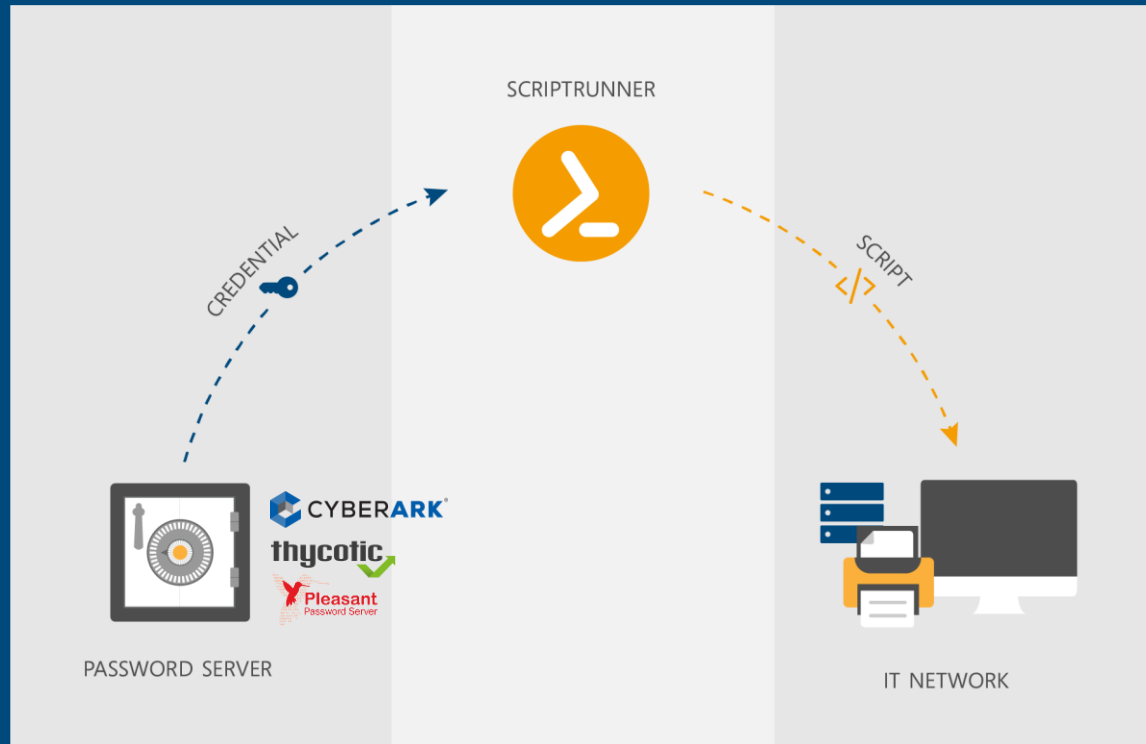
Code editor

```
62 [Parameter(Mandatory = $true, ParameterSetName="Schedule Auto Reply")]
63 [datetime]$EndDate,
64 [Parameter(ParameterSetName="Disable Auto Reply")]
65 [Parameter(ParameterSetName="Enable Auto Reply")]
66 [Parameter(ParameterSetName="Schedule Auto Reply")]
67 [switch]$GenerateReport
68 }
69
70
71 try{
72     [string[]]$Properties = @('Identity', 'AutoReplyState', 'StartTime', 'EndTime', 'ExternalAudience',
73     [string[]]$ResultMessage = @()
74     [string]$Msg = "Mailbox {0} "
75     [string]$ReplyType = 'All'
76
77     [hashtable]$CmdArgs = @{ 'ErrorAction' = 'Stop'
78                             'Confirm' = $false
79     }
80
81     if($SPSCmdlet.ParameterSetName -eq "Disable Auto Reply"){
82         $CmdArgs.add('AutoReplyState', 'Disabled')
83         $Msg += "disabled"
84     }
85     else{
86         if($AutoReplyType -eq 'Only contact list members'){
87             $ReplyType = 'Known'
88         }
89         if($AutoReplyType -eq 'Internal only'){
90             $ReplyType = 'Internal'
91         }
92     }
93 }
```


Secure credential management



- 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



Don't store credentials in PowerShell scripts!
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MATT GROENING

Separation of "PowerShell logistics" and user delegation

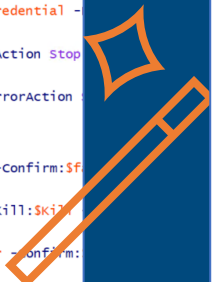


PowerShell for Everyone



The Script

```
Administrator: Windows PowerShell ISE
File Edit View Tools Debug Add-ons Help
PowerShell 1 PowerShell 2 X
Invoke-VMHVVirtualMachineCommand.ps1 X
67 Import-Module VMware.PowerCLI
68
69 try{
70     $Script:vmServer = Connect-VIServer -Server $VIServer -Credential $VICredential -
71 }
72 if($SPSCmdlet.ParameterSetName -eq "byID"){
73     $Script:machine = Get-VM -Server $Script:vmServer -Id $VMId -ErrorAction Stop
74 }
75 elseif($SPSCmdlet.ParameterSetName -eq "byName"){
76     $Script:machine = Get-VM -Server $Script:vmServer -Name $VMName -ErrorAction
77 }
78
79 switch($Command){
80     "start"{
81         $null = Start-VM -VM $Script:machine -Server $Script:vmServer -Confirm:$f
82     }
83     "stop"{
84         $null = Stop-VM -VM $Script:machine -Server $Script:vmServer -Kill:$kill
85     }
86     "suspend"{
87         $null = Suspend-VM -VM $Script:machine -Server $Script:vmServer -Confirm:
88     }
89     "restart"{
90         $null = Restart-VM -VM $Script:machine -Server $Script:vmServer -Confirm:
91     }
92 }
93
94 if($SRXEnv){
95     $SRXEnv.ResultMessage = "command -> $($Command) <- successfully executed on t
96     $SRXEnv.ResultHTML = $SRXEnv.ResultMessage | ConvertTo-HTML -Body $SRXEnv.Res
97 }
98 else{
99     Write-Output "Command $($Command) successfully executed on the virtual machi
100 }
101
102 catch{
103     throw
104 }
```



Manage VMs

Manage VMs

Note the reason you
run this action now.

Select the virtual machine

Search...

DC0_H0_VM1 - -PoweredOn

Select the command you want to execute

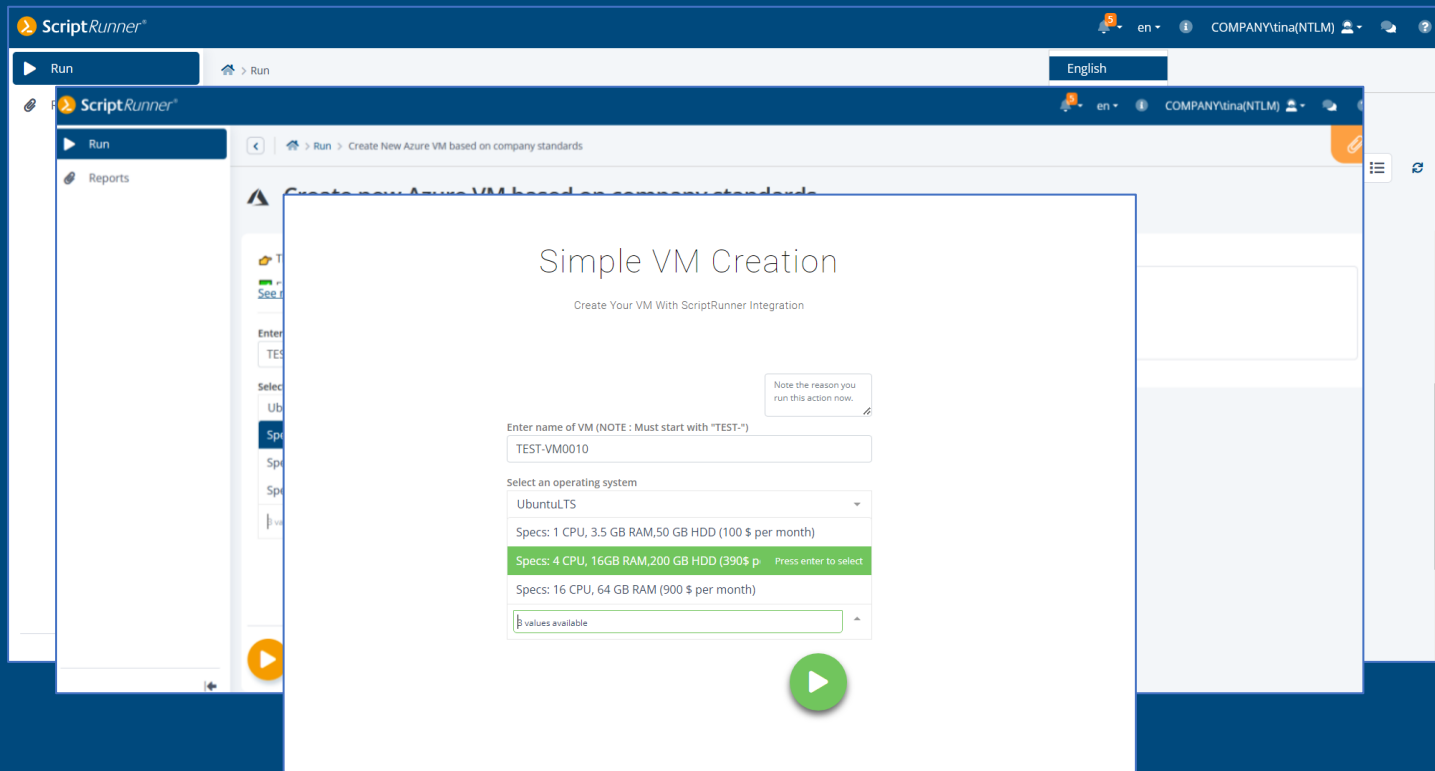
- 4 values available
- Start
 - Stop
 - Suspend
 - Restart

Press enter to select



The User Experience

PowerShell for Everyone



What's New



4sysops product review



4sysops


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Brandon Lee · Wed, Aug 3 2022 · devops, powershell · 0


ScriptRunner is a solution that centrally manages the running of PowerShell scripts across the environment. The new ScriptRunner Portal Edition R4 release provides many new features and capabilities.

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**Brandon Lee**
Brandon Lee has been in the IT industry 15+ years and focuses on networking and virtualization. He contributes to the community through various blog posts and technical documentation primarily at [Virtualizationhowto.com](#).

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30 days for free.

lp.scriptrunner.com/en/demo-download





AMA

Ask Me Anything Session

SPECIAL GUEST
THOMAS MAURER



With Heiko Brenn & Markus Hipp

Live: Friday, October 28th | 10 am EDT | 3 pm BST | 16:00 CEST



@Script_Runner



@HeikoBrenn



ScriptRunnerPowerShell





Questions?

We are all ears



Feedback Questions Ideas





Thank you for attending
today's session

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