

PowerShell Sensor - Exchange

Introduction

There are dozens/hundreds of usecases what you can do with Exchange powershell cmdlets. This kbase shows you a simple configuration how you can utilize the Test-Mailflow cmdlet with the GL MS Powershell Sensor for an on-premises Exchange Server .

Configuration

Requirements

Before you start the configuration, please make sure that you cover the following requirements on the Exchange Server Level:

- **Activate remote Powershell settings on the target host (issue the following commands in the powershell console of a target)**

Enable-PSRemoting -force

set-item -force WSMan:\localhost\Service\Auth\Basic \$true

set-item -force WSMan:\localhost\Client\AllowUnencrypted \$true

set-item -force WSMan:\localhost\Service\AllowUnencrypted \$true
- Make sure that you have an **Account** which is member of the local Administrator Group of the Target-Host (no need to be a Domain Admin!)
- **TCP Port 5985** (and 5986) needs to be opened between GreenLight and Target-Host

Depending on your requirements you could configure encrypted powershell communication as well (a bit more to configure) : [Using SSL for Remote PowerShell in GreenLight](#)

Create an Authentication Profile

- Give it a Profile Name
- Enter Username/Password
- select http
- Port: 5985

The screenshot shows the 'Authentication Profile' configuration window. The 'Profile Name' is 'Exchange 2013'. The 'Username' and 'Password' fields are present, with the password masked. The 'Protocol' is set to 'http' and the 'Port' is '5985'. The 'Test Settings' section includes 'Hostname', 'Connection Type' (MS Exchange), and 'Auth. Method' (Kerberos). The 'Connect' button is visible. The 'Communication Template' sidebar on the right lists various profiles, with 'Authentication Profile' selected. The 'Communication' tab is active at the bottom.

Add Server

Add your on-premises Exchange server to the GreenLight Server list and select "OS Services, PerfCounters, Powershell" and "MS Exchange"

Edit Server / Network Device
Step 1 of 6: Connection Settings

Host Name / IP * exchange.panagenda.com

Operating System Windows

☒ OS Services, PerfCounters, PowerShell

☐ Domino Server

☒ MS Exchange Server

☐ MS Sharepoint Server

< Back **Next >** Cancel

Configure MS PowerShell Sensor

- Script Type: cmdlet
- Command Type: Exchange
- cmdlet Name: Test-Mailflow
- Parameters: -TargetEmailAddress <mailaddress>

Name: Exchange - Test-Mailflow

Enabled: ☒ [Show Schedule](#)

Settings Targets Actions Schedule

Script Type: cmdlet

Command Type: Exchange

cmdlet Name * Test-Mailflow

Parameters: -TargetEmailAddress CarlosG@contoso.de











Only one parameter or parameter-value pair per line

Please make sure that you have assigned the correct Server Roles on the Node Level

Discard Changes

- Assign the previously created server as a Target

Output:

★	 greenlight.powershell.exchange.1.Identity		
★	 greenlight.powershell.exchange.1.IsRemoteTest	1	
★	 greenlight.powershell.exchange.1.IsValid	1	
★	 greenlight.powershell.exchange.1.MessageLatencyTime	00:00:19.2055841	
★	 greenlight.powershell.exchange.1.ObjectState	New	
★	 greenlight.powershell.exchange.1.PSComputerName	srv-2	
★	 greenlight.powershell.exchange.1.PSShowComputerName	0	
★	 greenlight.powershell.exchange.1.RunspaceId	2da5d9db-311b-4cfb-...	
★	 greenlight.powershell.exchange.1.TestMailflowResult	Success	
★	 greenlight.powershell.exchange.1.ToString	Microsoft.Exchange.M...	

I assume the important output line is, if the Result shows "Success" or "Failed"