Contents

[Download 1](#_Toc189043108)

[1. Download via git 1](#_Toc189043109)

[2. Download manually 1](#_Toc189043110)

[Import 1](#_Toc189043111)

[Option 1: Import the module to the current session only 1](#_Toc189043112)

[Option 2: Import the module at PowerShell startup 1](#_Toc189043113)

[Option 1: Edit PowerShell profile via a scipt 1](#_Toc189043114)

[Option 2: Edit PowerShell profile manually 1](#_Toc189043115)

[Connect to API 1](#_Toc189043116)

[Examples 1](#_Toc189043117)

[Example 1: Start new session and save the url/token pair 1](#_Toc189043118)

[Example 2: Start new session using the saved url/token pair 1](#_Toc189043119)

[Example 3: Start new session by choosing one of the saved url/token pair 1](#_Toc189043120)

[Example 4: Start a new session automatically with a new powershell session 1](#_Toc189043121)

[Get-ZXHost 1](#_Toc189043122)

[Examples 1](#_Toc189043123)

[Example 1: Search for a single host based on an exact Name match. 1](#_Toc189043124)

[Example 2: Search for hosts based on a Name pattern. 1](#_Toc189043125)

[Example 3: Search for hosts based on an Alias pattern. 1](#_Toc189043126)

[Example 4: Return an “items” property with host items. 1](#_Toc189043127)

[Example 5: Return an “items” property with host items, only show name and type of each item. 1](#_Toc189043128)

[Example 6: Return an “items” property with host items, return all properties of each item. 1](#_Toc189043129)

# Download

## Download via git

git clone https://github.com/JanTkacSk/PSZabbix7.git

## Download manually

[https://github.com/JanTkacSk/PSZabbix7.git](https://github.com/JanTkacSk/PSZabbix6.0.git) > code > Download.zip

# Import

## Option 1: Import the module to the current session only

The module will have to be re-imported every time you open PowerShell. Adjust the path based on the location of your package.

Import-Module C:\Users\YourUser\PSZabbix7\PSZabbix7.psm1

## Option 2: Import the module at PowerShell startup

### Option 1: Edit PowerShell profile via a scipt

Open PowerShell or PowerShell\_ise or a PowerShell terminal in VSCode and run the following command. Adjust the path based on the location of your package.

. C:\Users\YourUser\PSZabbix7\ZX.UpdatePSProfile.ps1

### Option 2: Edit PowerShell profile manually

Open PowerShell or PowerShell\_ise or Terminal in VSCode

You may have to repeat this process for different PowerShell versions, classic PowerShell console, PowerShell ISE , VS code….

Open the profile script by running the following command. If the profile file does not exist the notepad will offer to create it for you.

notepad $Profile

Add the following line into the file and save it. Adjust the path based on the location of your package.

Import-Module C:\Users\YourUser\PSZabbix7\PSZabbix7.psm1

# Connect to API

Use New-ZXTokenSession to set your API token and URL. The token and the url can be saved in a secure string in your appdata. It can be loaded automatically when you open PowerShell by editing your PowerShell profile.

Use New-ZXLogonSession to load your credentials in a similar way. Use Stop-ZXSession to terminate your session when you are finished.

The session id is automatically stored in your profile, If you don’t log off, the session will remain in your profile and the script will attempt to use the same session next time.

New-ZXTokenSession

## Examples

### Example 1: Start new session and save the url/token pair

The token will be encrypted and saved in your profile folder.

New-ZXTokenSession -Url https://YourZabbixAPIURL -Save

### Example 2: Start new session using the saved url/token pair

New-ZXTokenSession -Url https://YourZabbixAPIURL -Load

### Example 3: Start new session by choosing one of the saved url/token pair

New-ZXTokenSession -Url -Load

### Example 4: Start a new session automatically with a new powershell session

Open the PowerShell profile. PowerShell\_ise and standard powershell console have separate profiles, so you may have to repeat this process.

notepad $Profile

Add the following line into the profile:

New-ZXTokenSession -Url https://YourZabbixAPIURL -Load

# Get-ZXHost

## Examples

### Example 1: Search for a single host based on an exact Name match.

Return only those results that exactly match the given host name(s). There is no result for “zx\_test\_host\_50” because it does not exist. In Zabbix API, host “**name”** is called “**host**” and “**visible name”** is called “**name**”. In PowerShell module “**name**” is “**Name**” and the “**visible name**” is “**Alias**”

Get-ZXHost -Name zx\_test\_host\_1,zx\_test\_host\_2,zx\_test\_host\_50

hostid : 492558

host : zx\_test\_host\_1

name : zx\_alias\_1

status : 1

proxy\_hostid : 36710

hostid : 494040

host : zx\_test\_host\_2

name : zx\_alias\_2

status : 1

proxy\_hostid : 36710

### Example 2: Search for hosts based on a Name pattern.

Return results that match the given pattern (case-insensitive). Accepts a host name to search for. If no additional options are given, this will perform a LIKE "%…%" search.

Get-ZXHost -NameSearch zx\_test

hostid : 492558

host : zx\_test\_host\_1

name : zx\_alias\_1

status : 1

proxy\_hostid : 36710

hostid : 494040

host : zx\_test\_host\_2

name : zx\_alias\_2

status : 1

proxy\_hostid : 36710

### Example 3: Search for hosts based on an Alias pattern.

Return results that match the given pattern (case-insensitive). Accepts a host name to search for. If no additional options are given, this will perform a LIKE "%…%" search.

Get-ZXHost -AliasSearch some\_alias

### Example 4: Fetch host “items”.

By using -IncludeItems you will get a basic set of properties for each item.

Get-ZXHost -NameSearch vm-win -IncludeItems

hostid : 499271

host : vm-win-test-1

name : vm-win-test-1

status : 0

proxy\_hostid : 0

items : {@{itemid=53119623; name=C:: Access; type=0; delay=3m; master\_itemid=0; lastvalue=0}, @{itemid=53119533;

name=caCertificate; type=0; delay=1h; master\_itemid=0; lastvalue=}, @{itemid=53119534; name=caPendingUpdates;

type=7; delay=4h; master\_itemid=0; lastvalue=}, @{itemid=53119625; name=C:: Free space; type=7; delay=3m;

master\_itemid=0; lastvalue=0}…}

### Example 5: Fetch host “items”, fetch only name and type of each item.

Get-ZXHost -NameSearch vm-win -IncludeItems -ItemProperties name,type

### Example 6: Fetch host “items” with all properties.

Get-ZXHost -NameSearch vm-win -IncludeItems -ItemProperties extend

### Example 7: Fetch hosts with interfaces.

Get-ZXHost -NameSearch test -IncludeInterfaces -Output host

hostid host interfaces

------ ---- ----------

476172 vm-win-test-1.test.local {}

481649 vm-win-test-2.test.local {@{ip=10.61.185.9; port=161}}

28948 vm-win-test-3.test.local {@{ip=10.30.0.71; port=10050}}

491371 vm-win-test-4.test.local {@{ip=; port=10050}}

25244 vm-win-test-5.test.local {@{ip=192.168.160.28; port=10050}, @{ip=192.168.160.28; port=9005}}

### Example 8: Fetch items with triggers.