Contents

[Download 1](#_Toc181111176)

[1. Download via git 1](#_Toc181111177)

[2. Download manually 1](#_Toc181111178)

[Import 1](#_Toc181111179)

[Option 1: Import the module to the current session only 1](#_Toc181111180)

[Option 2: Import the module at PowerShell startup 1](#_Toc181111181)

[Option 1: Edit PowerShell profile via a scipt 1](#_Toc181111182)

[Option 2: Edit PowerShell profile manually 1](#_Toc181111183)

[Connect to API 1](#_Toc181111184)

[Get-ZXHost 1](#_Toc181111185)

[Examples 1](#_Toc181111186)

[Example 1: Search for a single host based on an exact Name match. 1](#_Toc181111187)

[Example 2: Search for hosts based on a Name pattern. 1](#_Toc181111188)

[Example 3: Search for hosts based on an Alias pattern. 1](#_Toc181111189)

[Example 4: Return an “items” property with host items. 1](#_Toc181111190)

[Example 5: Return an “items” property with host items, only show name and type of each item. 1](#_Toc181111191)

[Example 6: Return an “items” property with host items, return all properties of each item. 1](#_Toc181111192)

# Download

## Download via git

git clone https://github.com/JanTkacSk/PSZabbix6.0.git

## Download manually

<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\PSZabbix6.0\PSZabbix6.0.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.

Import-Module C:\Users\YourUser\PSZabbix6.0\ZX.UpdatePSProfile.ps1

### Option 2: Edit PowerShell profile manually

Open PowerShell or PowerShell\_ise or Terminal in VSCode

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\PSZabbix6.0\PSZabbix6.0.psm1

# Connect to API

Use New-ZXTogenSession 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.

New-ZXTokenSession

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

# 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: Return an “items” property with 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: Return an “items” property with host items, only show name and type of each item.

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

### Example 6: Return an “items” property with host items, return all properties of each item.

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