

How to Display the Results of a Script in Zabbix?

written by sysadmin | 22 October 2025

I want to create a monitoring to check if a site is in an error state or not using a script, and the results of this script will be sent to Zabbix for monitoring.

Problem

How to display the results of a script in Zabbix?

Solution

For example, I have a sysadminpedia.com site and want to monitor the site. The way I do monitoring is to look for wordpress writing on the site, and if the wordpress writing is not on the site, it means that the site has an error. I use a bash script to monitor the word on sysadminpedia.com. For the site to be monitored by Zabbix based on the results of the script I created, follow the steps below:

1. Create a script

Log in to the Zabbix server, and you can use any folder to create your script, but I created a special folder for scripts in Zabbix using the command:

```
sudo mkdir -p /etc/zabbix/scripts
```

Then create a bash script in a folder with the file name **check-sysadminpedia-site.sh** and copy the script below:

```
#!/bin/bash

# Fetch the website content
content=$(curl -s https://sysadminpedia.com)
```

```
# Check if the word "wordpress" exists (case-insensitive)
if echo "$content" | grep -iq "wordpress"; then
    echo 1
else
    echo 0
fi
```

2. Change the user, group, and permission

Change the user and group on the file using the command below:

```
chown -R zabbix:zabbix /etc/zabbix/scripts/check-sysadminpedia-site.sh
```

After that, type the following command to make the script run:

```
chmod +x /etc/zabbix/scripts/check-sysadminpedia-site.sh
```

3. Configure in the zabbix_agent file

Add the below script in the file
/etc/zabbix/zabbix_agentd.conf:

```
UserParameter=check-sysadminpedia-site,/etc/zabbix/scripts/check-  
sysadminpedia-site.sh
```

4. Restart zabbix_agent

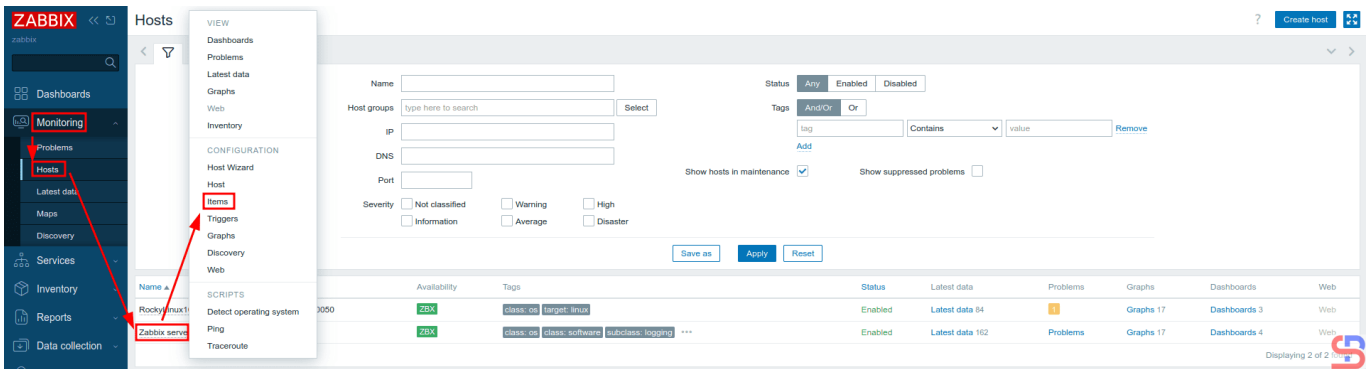
Restart the Zabbix agent using the following commands:

```
systemctl daemon-reload  
systemctl restart zabbix-agent
```

5. Configure Zabbix

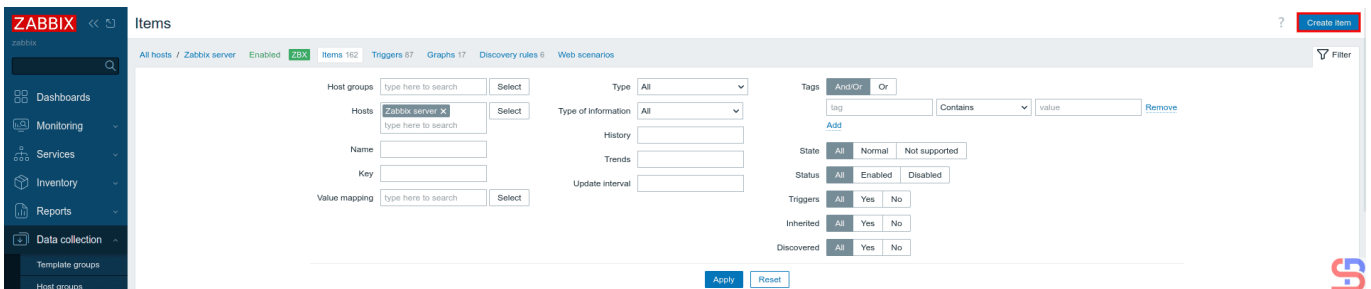
Go to your Zabbix application, select the Host you want to enter to display the results of this monitoring in Zabbix. I choose to use the Zabbix server host: **Monitoring > Hosts > Zabbix server > Items** in the **CONFIGURATION** like in the image

below:



Click Items in the CONFIGURATION section

And there will be a display like the following:



Click the Create item button

Click the **Create item** button, and then there will be a display as shown below:

New item

? X

Item Tags Preprocessing

* Name

Type

* Key

Type of information

* Host interface

Units

* Update interval

Custom intervals

Type	Interval	Period	
<input type="button" value="Flexible"/> <input type="button" value="Scheduling"/>	<input type="text" value="50s"/>	<input type="text" value="1-7,00:00-24:00"/>	<input type="button" value="Remove"/>

* Timeout

* History

* Trends

Value mapping

Populates host inventory field

Description

Enabled

Click the Test button

I fill in the fields as in the image above, click the **Test** button, and then there will be a display as in the image below:

Test item

? X

Get value from host

* Host address Port

Test with

Value

Time

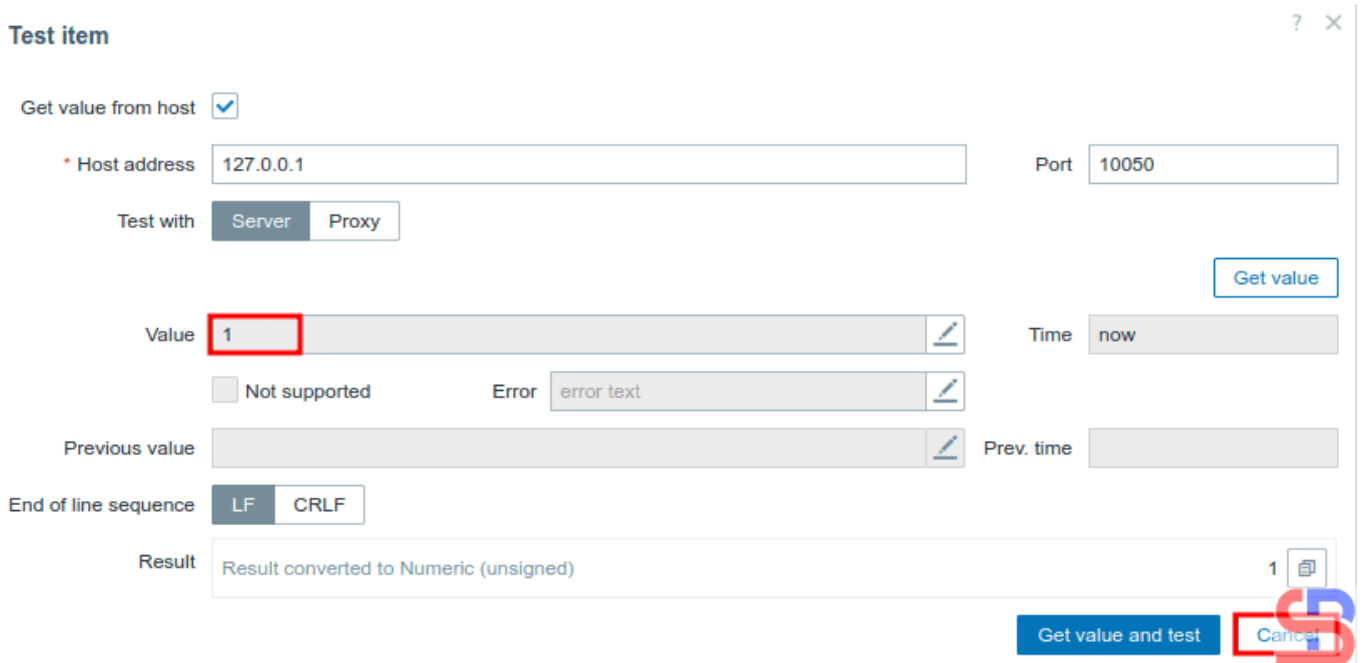
Not supported Error

Previous value Prev. time

End of line sequence

Click the Get value and test button

Click the **Get value and test** button, and in the **Value** section, there will be a value generated, either it is 1 or 0, according to the value in the bash script, as in the image below:



Test item ? X

Get value from host

* Host address Port

Test with Server Proxy

Value ↙ Time

Not supported Error ↙

Previous value ↙ Prev. time

End of line sequence LF CRLF

Result 1 📄

Get value and test Cancel

Click the **Cancel** button

You see from the image above, the Value is 1. Click the **Cancel** button, then it will return to the previous view, like the image below:

* Name

Type

* Key

Type of information

* Host interface

Units

* Update interval

Custom intervals

Type	Interval	Period
<input type="button" value="Flexible"/> <input type="button" value="Scheduling"/>	<input type="text" value="50s"/>	<input type="text" value="1-7,00:00-24:00"/> <input type="button" value="Remove"/>

* Timeout

* History

* Trends

Value mapping

Populates host inventory field

Description

Enabled



Click the Add button

After you press the Add button, there will be the text **Item added** as in the image below:

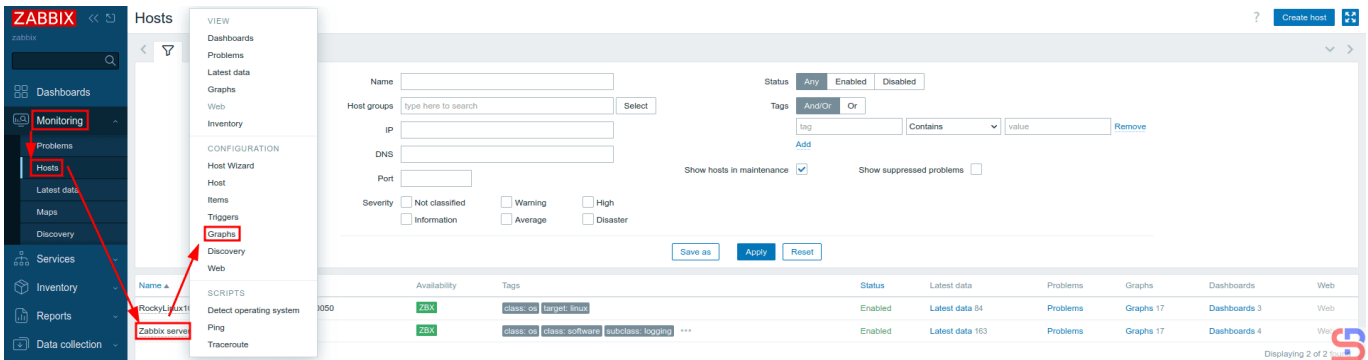
The screenshot shows the Zabbix web interface. At the top, a notification bar displays a green checkmark and the text "Item added". Below this, the "Items" page is visible, showing a list of items with columns for Hosts, Name, Key, Type, and Update interval. The "Zabbix server" host is selected. The configuration form for the item is visible, showing fields for Host groups, Hosts, Name, Key, Type, Update interval, and various checkboxes for Triggers, Inherited, and Discovered. The "Apply" and "Reset" buttons are at the bottom.

Succeed in adding an Item

6. Create a graph

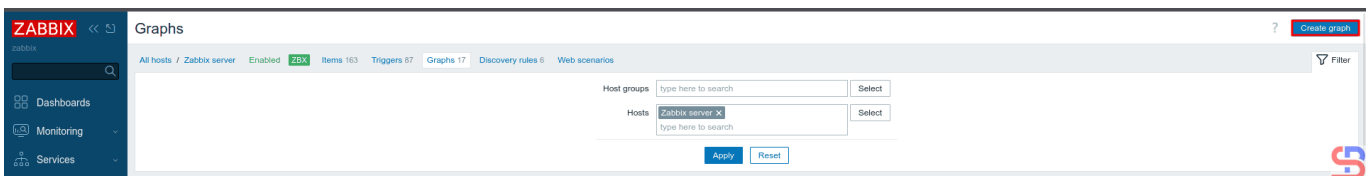
Then, create a graph for the result of the script by selecting the host that will display the result of the bash script. I choose to use the Zabbix server host: **Monitoring >**

Hosts > Zabbix server > Graphs in the **CONFIGURATION** section, like the image below:



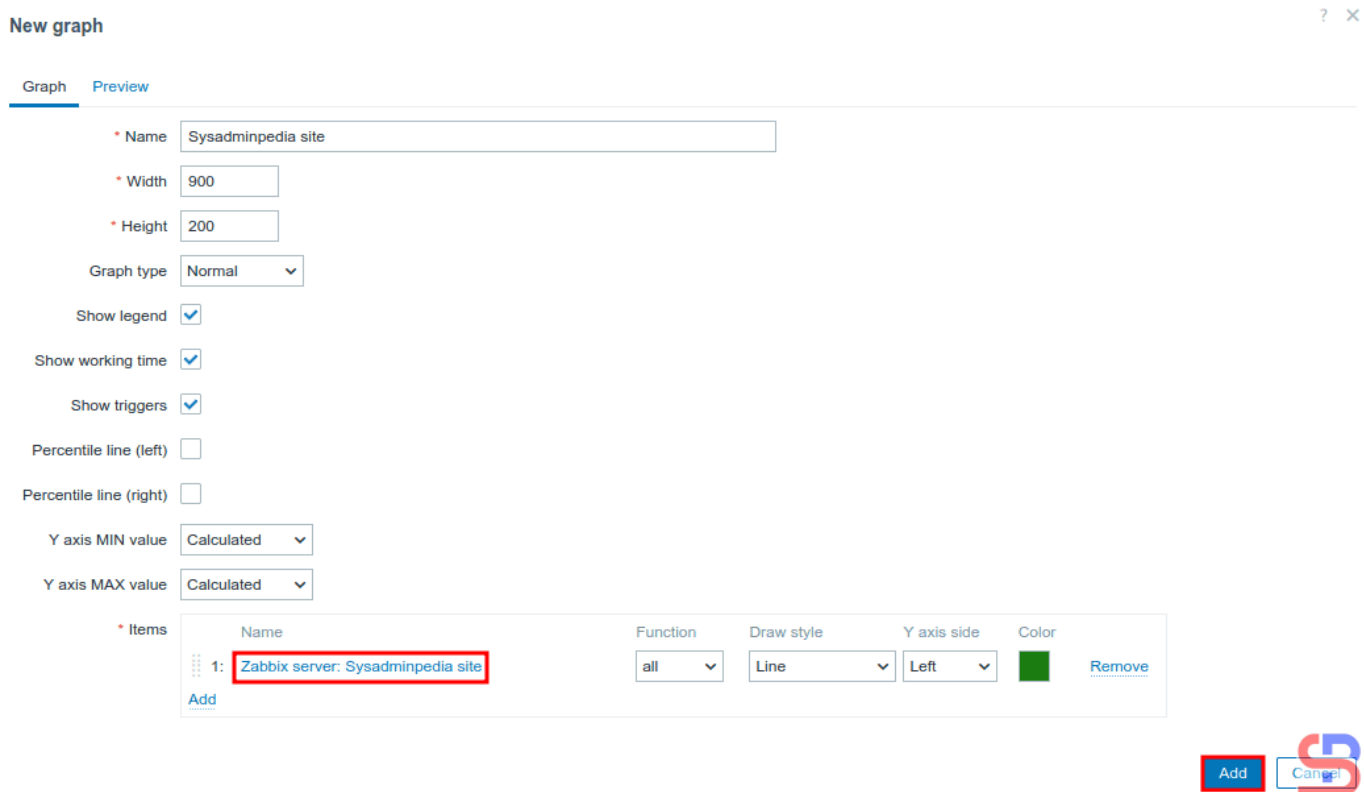
Click the **Graphs** in the **CONFIGURATION** section

And there will be a display as shown in the image below:



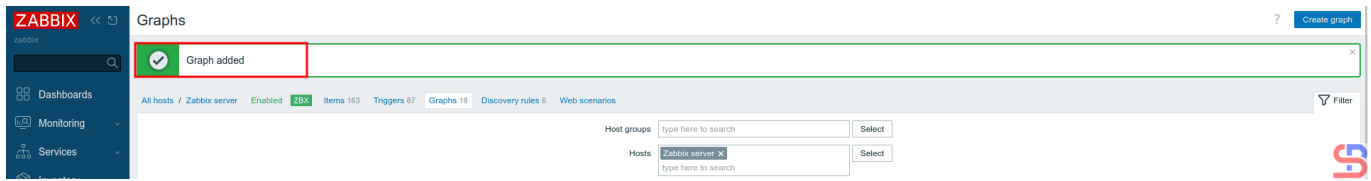
Click the **Create Graph** button

Click **Create Graph**, then there will be a display as below:



Click the **Add** button

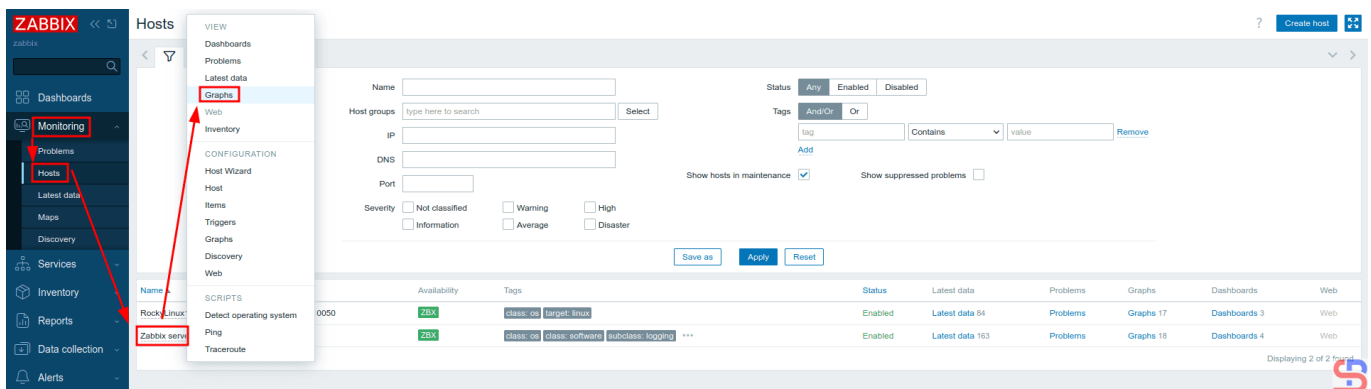
After that, click the **Add** button then there will be the text **Graph Added** as in the image below:



Succeed in adding a Graph

7. Display the graph

Wait a while, and to see the graph, you can go to **Monitoring > Hosts > Zabbix server > Graphs** in the **View** section, as shown in the image below:



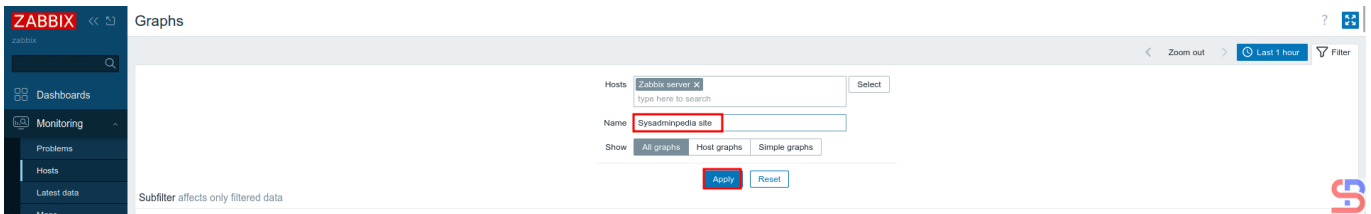
Click the Graphs in the VIEW section

Click the **Filter** button as shown in the image below:



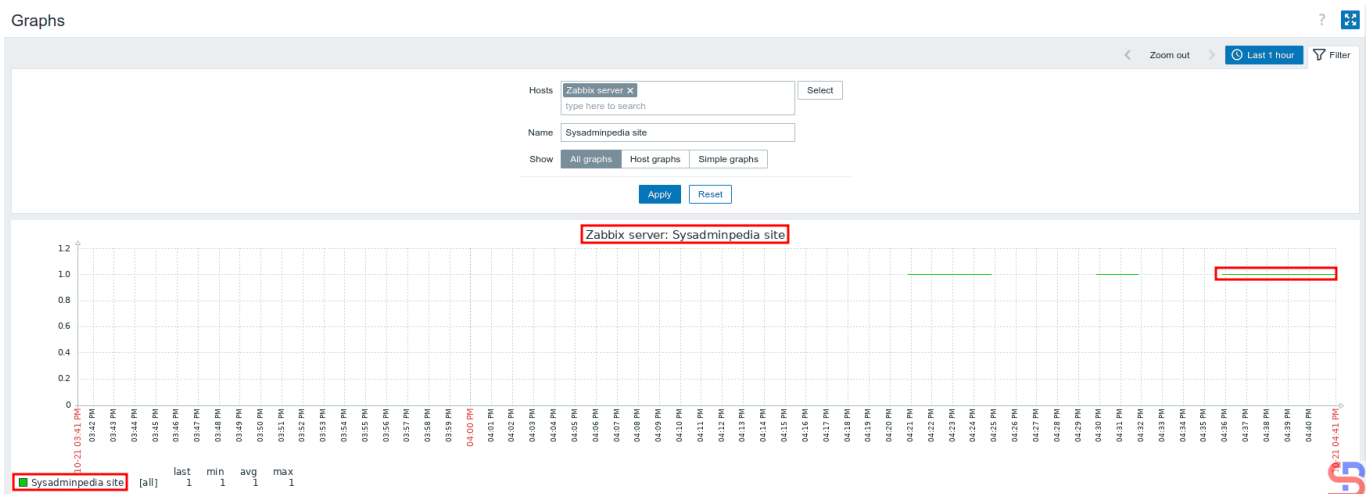
Click the Filter button

Then there will be a display as shown in the image below:



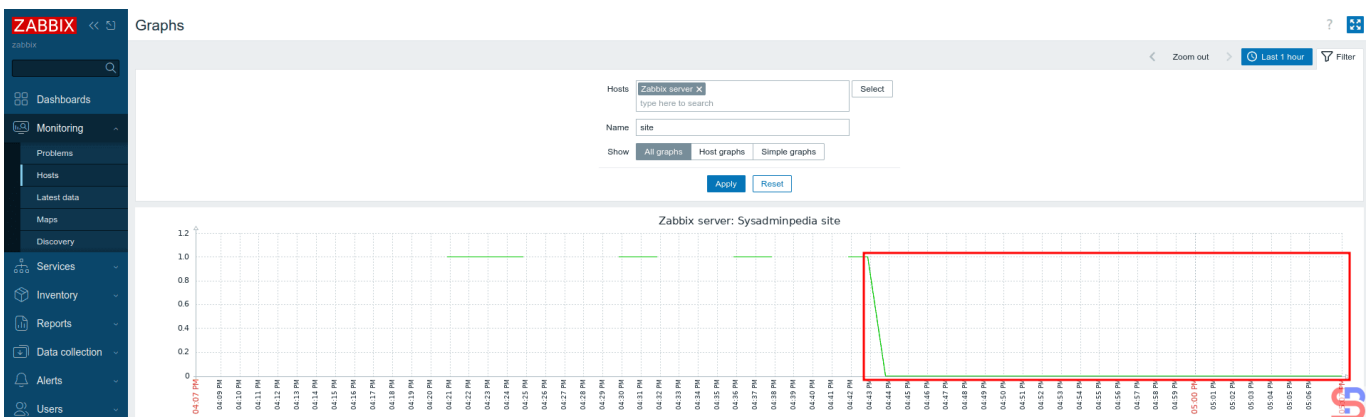
Type the name of the graph and click the Apply button

Type the name of the graph in the **Name** field, then click **Apply**, and then there should be a display below:



The graph from your script

If the site has an error, as known as there is no word wordpress, the graph will look as below:



When your script produces the error

And you successfully created a graph in Zabbix from the result of a script you made yourself.

Note

In this article, I used the Zabbix server to insert a script that monitors the server. However, you can use another host for your script, so you can do points 1 to 4 in the explanation above on another host.

References

blog.zabbix.com
youtube.com
sbcode.net