

How to Add a Linux Host to be Monitored by Zabbix?

written by sysadmin | 18 October 2025

[The previous article](#) explained how to install the Zabbix application on Ubuntu. This article will explain how to add a Linux host to be monitored by Zabbix.

Problem

How to add a Linux host to be monitored by Zabbix?

Solution

This article will add a RockyLinux10 host, which will be monitored by Zabbix with IP 192.168.56.104, while the Zabbix server IP is 192.168.56.101. So that the host can be monitored by Zabbix, you must install the Zabbix-Agent on the host. Here are the steps:

A. On Remote Host

Check whether on your RockyLinux server, you have the file `/etc/yum.repos.d/epel.repo`. Don't worry if your server does not have the epel.repo file, but if the file exists on your server, you can add the script below:

```
excludepkgs=zabbix*
```

After that, run the commands below:

```
rpm -Uvh  
https://repo.zabbix.com/zabbix/7.4/release/rocky/10/noarch/zabbix-release-latest-7.4.el10.noarch.rpm  
dnf clean all  
dnf install zabbix-agent -y
```

After you install the zabbix agent, go to copy the file **/etc/zabbix/zabbix_agentd.conf** as a backup:

```
cp /etc/zabbix/zabbix_agentd.conf /etc/zabbix/zabbix_agentd.conf.ori
```

Then go into the file and change the **Server** section to your Zabbix server IP (which in this article is IP **192.168.56.101**), and in the **Hostname** section, you are free to fill in, and I changed it to RockyLinux10, so the file looks like the one below:

```
[root@RockyLinux10 ~]# grep -v "#" /etc/zabbix/zabbix_agentd.conf | grep -v '^$'
PidFile=/run/zabbix/zabbix_agentd.pid
LogFile=/var/log/zabbix/zabbix_agentd.log
LogFileSize=0
Server=192.168.56.101
ServerActive=192.168.56.101
Hostname=RockyLinux10
Include=/etc/zabbix/zabbix_agentd.d/*.conf
[root@RockyLinux10 ~]#
```

The zabbix_agentd.conf file

If your RockyLinux server has a firewall, open port 10050 using the command:

```
firewall-cmd --permanent --zone=public --add-port=10050/tcp
firewall-cmd --reload
```

Then run the two commands below:

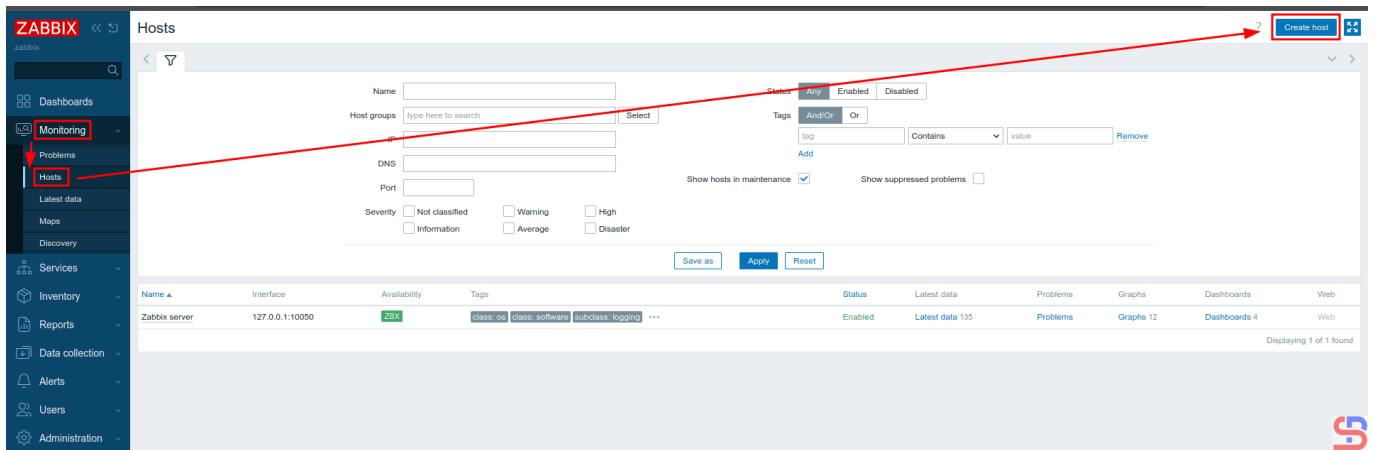
```
systemctl restart zabbix-agent
systemctl enable zabbix-agent
```

To view the log on zabbix-agent, open the file **/var/log/zabbix/zabbix_agentd.log** on your server.

B. On the Zabbix server

On the Zabbix server, enter the Zabbix application via your browser, then select **Monitoring > Hosts > Create Host** as in

the image below:



Add the host to Zabbix

After that, there will be a display like below. You have to fill in the columns according to the host you will monitor. I filled them in as shown in the image below:

The 'New host' configuration form is shown with the following details:

- Host name:** RockyLinux10
- Visible name:** RockyLinux10
- Templates:** Linux by Zabbix agent
- Host groups:** Linux servers
- Interfaces:**

Type	IP address	DNS name	Connect to	Port	Default
Agent	192.168.56.104		IP	10050	☒ Remove
- Description:** Monitor host RockyLinux10
- Monitored by:** Server
- Enabled:** ☒

The 'Add' button at the bottom right is highlighted with a red box.

Configure a new host in Zabbix

When finished, click the **Add** button, and you will see a display like the one below:

Hosts

Host added

Name

Host groups

IP

DNS

Port

Status

Tags

tag Contains value

Add

Show hosts in maintenance ☒

Show suppressed problems ☐

Severity ☐ Not classified ☐ Warning ☐ High ☐ Information ☐ Average ☐ Disaster

Name	Interface	Availability	Tags	Status	Latest data	Problems	Graphs	Dashboards	Web
RockyLinux10	192.168.56.104:10050	ZBX	class: os target: linux	Enabled	Latest data 43	Problems	Graphs 8	Dashboards 3	Web
Zabbix server	127.0.0.1:10050	ZBX	class: os class: software subclass: logging ***	Enabled	Latest data 135	Problems	Graphs 12	Dashboards 4	Web

Displaying 2 of 2

After the Host added

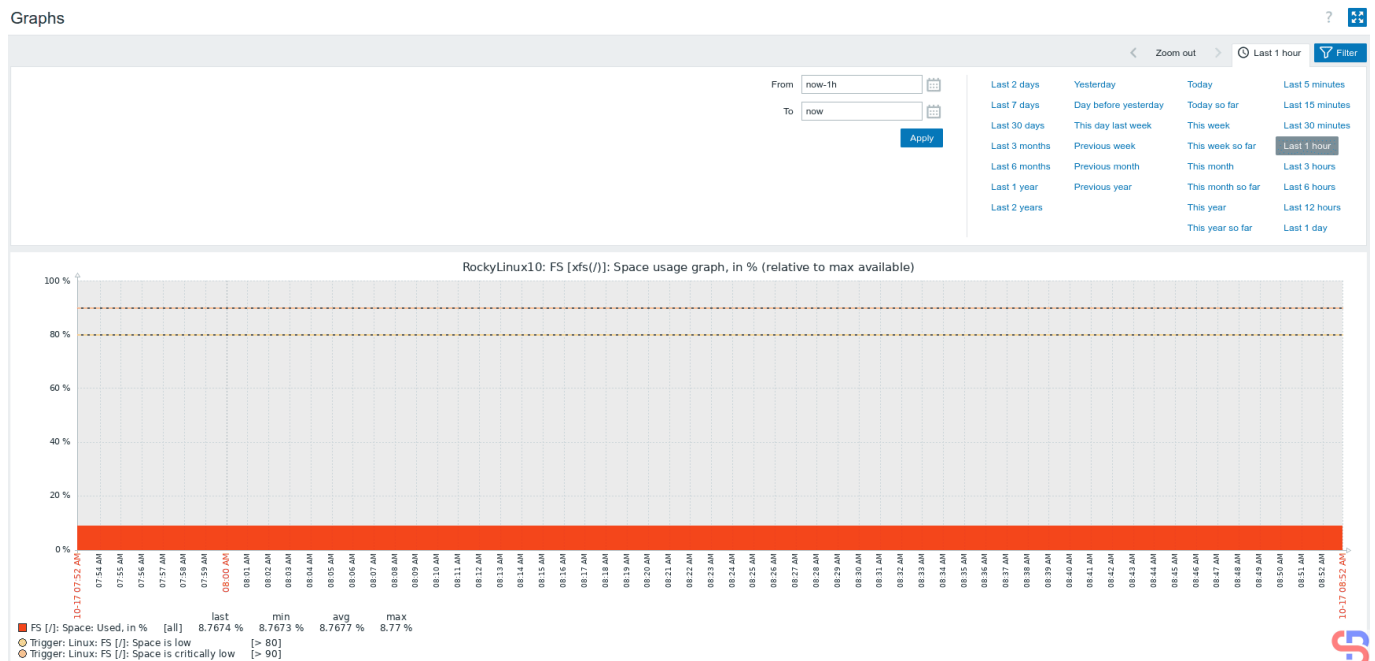
Wait a few moments, and the Zabbix application should be able to monitor your host, which is marked with the word **ZBX** in green, as in the image below:

Name	Interface	Availability	Tags	Status	Latest data	Problems	Graphs	Dashboards	Web
RockyLinux10	192.168.56.104:10050	ZBX	class: os target: linux	Enabled	Latest data 84	Problems	Graphs 17	Dashboards 3	Web
Zabbix server	127.0.0.1:10050	ZBX	class: os class: software subclass: logging ***	Enabled	Latest data 162	Problems	Graphs 17	Dashboards 4	Web

Displaying 2 of 2

Zabbix monitors the host

To see the graph of the host, click on the words **Graphs**, so there will be a display like the one below:



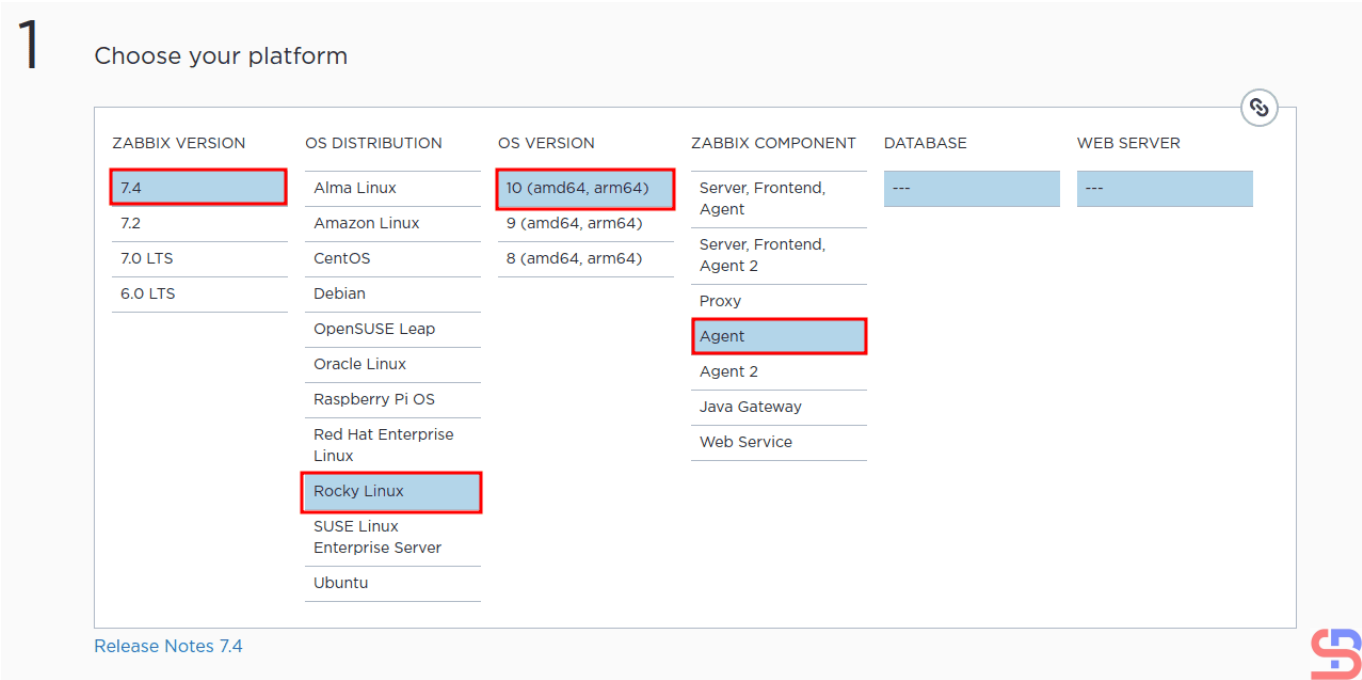
The graphs of the host

And you have successfully added a host to the Zabbix

application.

Note

If you want to add a host that Zabbix wants to monitor, you can go to [this address](#) to see the steps to install the Zabbix agent on your server. Make sure the Zabbix version selected is the same as the Zabbix version running on the server. The following is an example image for installing the Zabbix agent on the RockyLinux10 host, which is used as an example in this article:



Choose the OS host to install Zabbix Agent

And don't forget to open Port 10050 on the host you want to monitor so that the Zabbix application can access that host.

References

- tecadmin.net
- zabbix.com
- bestmonitoringtools.com