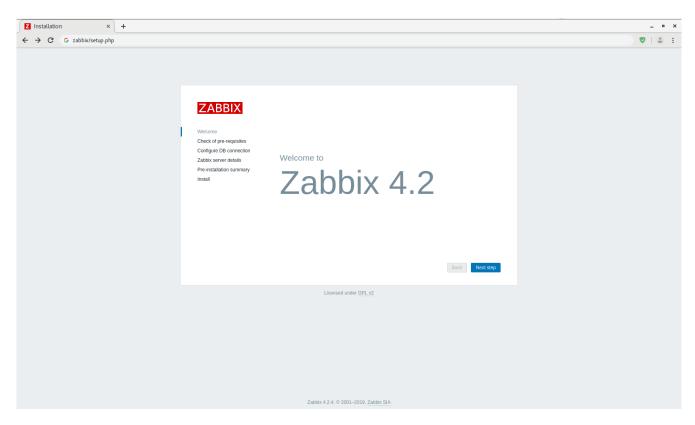
You should install and configure Zabbix server and agents.

## **Testing Infrastructure:**

Vagrantfile to spin up 2 VMs (virtualbox):

- 1. Zabbix server, provisioned by Vagrant provisioner
- 2. Zabbix agents on both VMs, provisioned by Vagrant provisioner

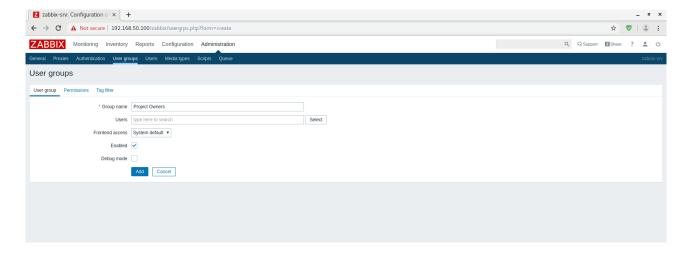
Configure zabbix to work on the server directly without /zabbix http://zabbix-server/zabbix -> http://zabbix-server



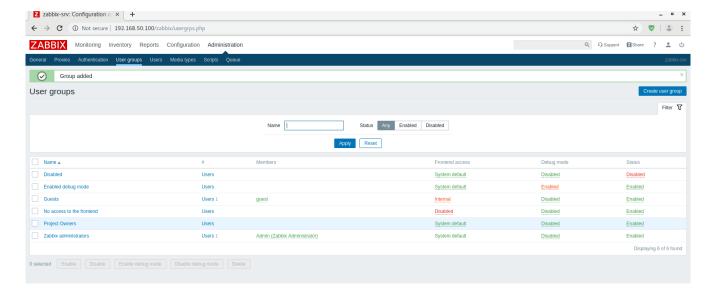
Picture 1

## Using Zabbix UI:

• Create User group "Project Owners"

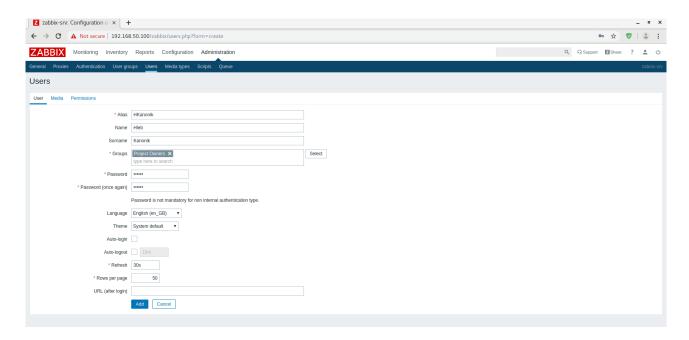


Picture 2.1

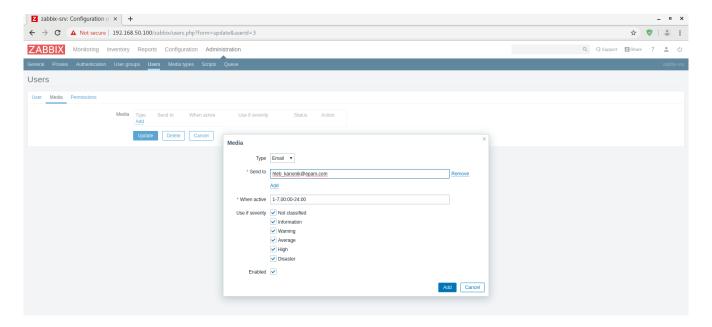


Picture 2.2

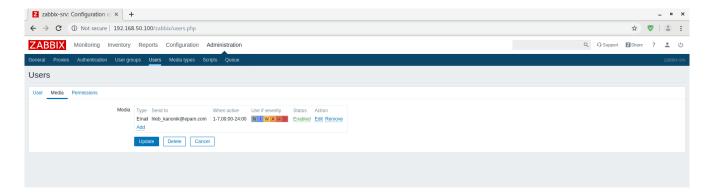
• Create User (example "Siarhei Beliakou"), assign user to "Project Owners", set email



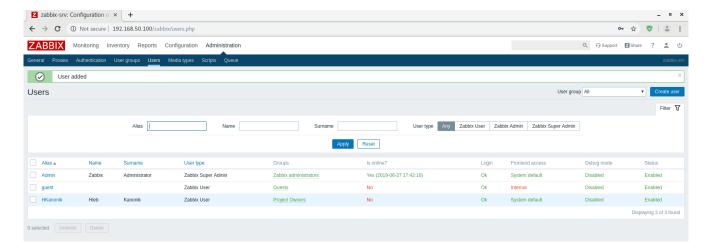
Picture 3.1



Picture 3.2

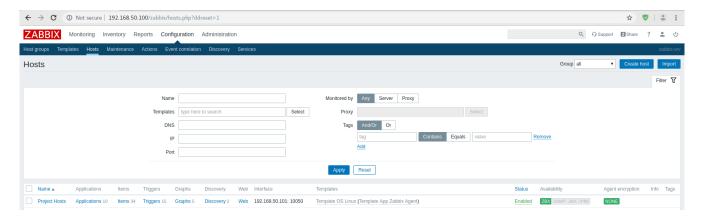


Picture 3.3



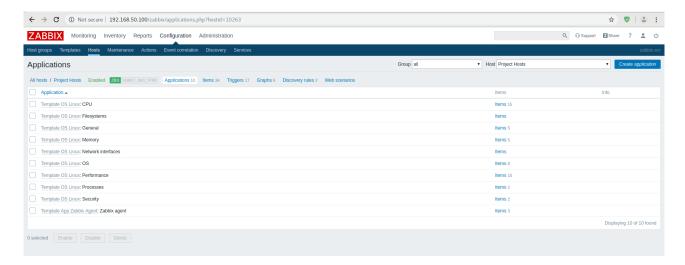
Picture 3.4

 Add 2nd VM to zabbix: create Host group ("Project Hosts"), create Host in this group, enable ZABBIX Agent monitoring



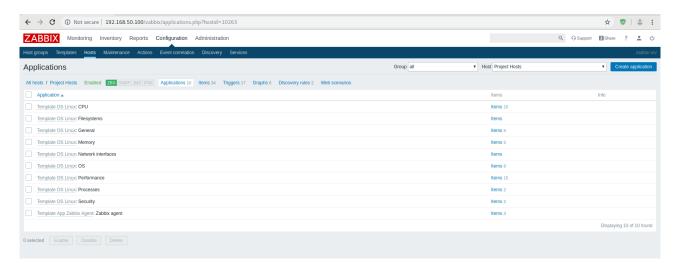
Picture 4

• Assign to this host template of Linux

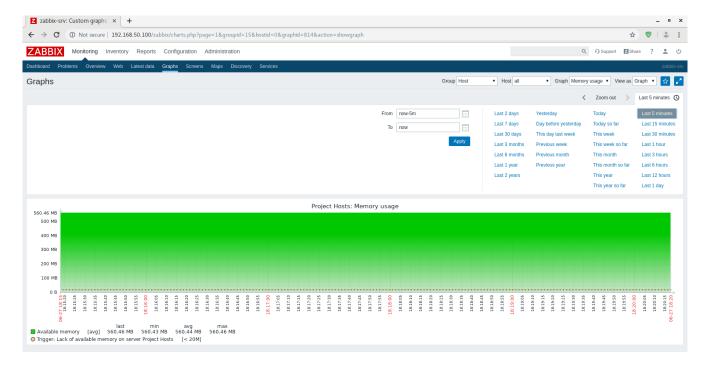


Picture 5

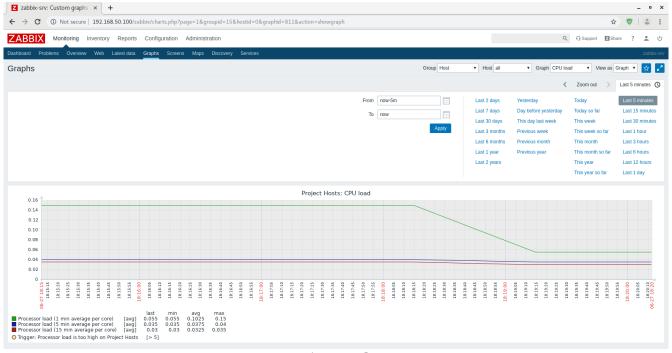
• Create custom checks (CPU Load, Memory load, Free space on file systems, Network load)



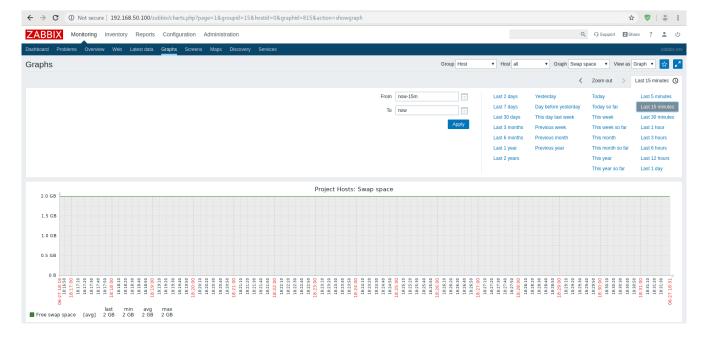
Picture 5.1



Picture 5.2

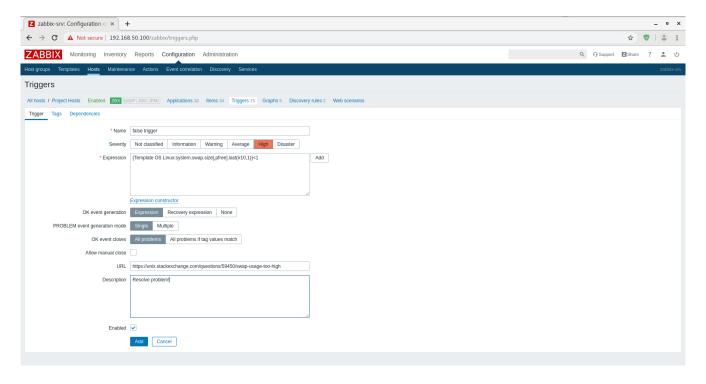


Picture 5.3

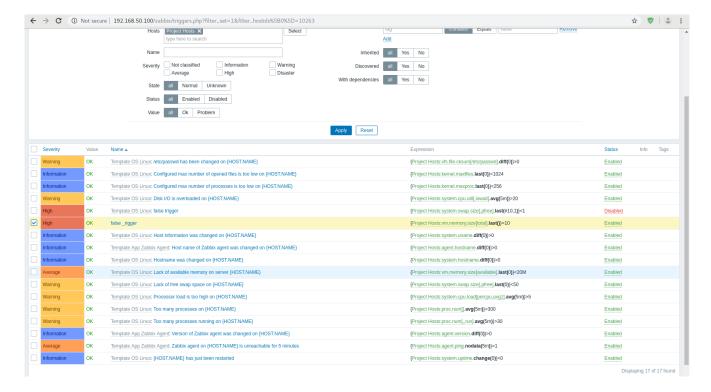


Picture 5.4

• Create trigger with Severity HIGH, check if it works (Problem/Recovery)

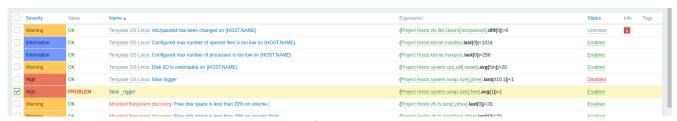


Picture 6.1

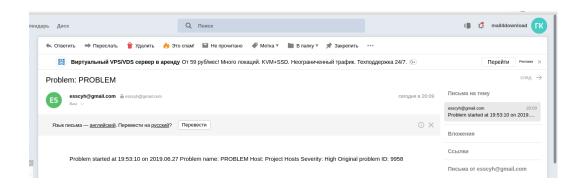


Picture 6.2

• Create Action to inform "Project Owners" if HIGH triggers happen



Picture 7.1



Picture 7.2

## Task 2

- Configure the agent for replying to the specific server in passive and active mode.
- Use zabbix\_sender to send data to server manually (use zabbix\_sender with key –vv for maximal verbosity).

```
vagrant@zabbix-agent:~

vagrant@zabbix-agent:~ 108x29

[vagrant@zabbix-agent ~]$ zabbix_sender -z 192.168.50.100 -s "Project Hosts" -k system.cpu.switches -o 1

Response from "192.168.50.100:10051": "processed: 0; failed: 1; total: 1; seconds spent: 0.000079"

sent: 1; skipped: 0; total: 1

[vagrant@zabbix-agent ~]$ □

by server. If data was sent, but processing exit status is 2. If data sending failed, total total
```

Picture 9

• Use zabbix\_get as data receiver and examine zabbix agent sending's.

```
[vagrant@zabbix-srv -]$ zabbix_get -s 192.168.50.101 -p 10050 -k "system.cpu.util[,idle]"
99.983314
[vagrant@zabbix-srv -]$ Documentation 3.2
2.2 3.0 4.0 4.2 (current) In development: 4.4 (devel) Unsupported: 1.8 2.0 2.4 3.2 3.4

Zabbix documentation
```

Picture 9