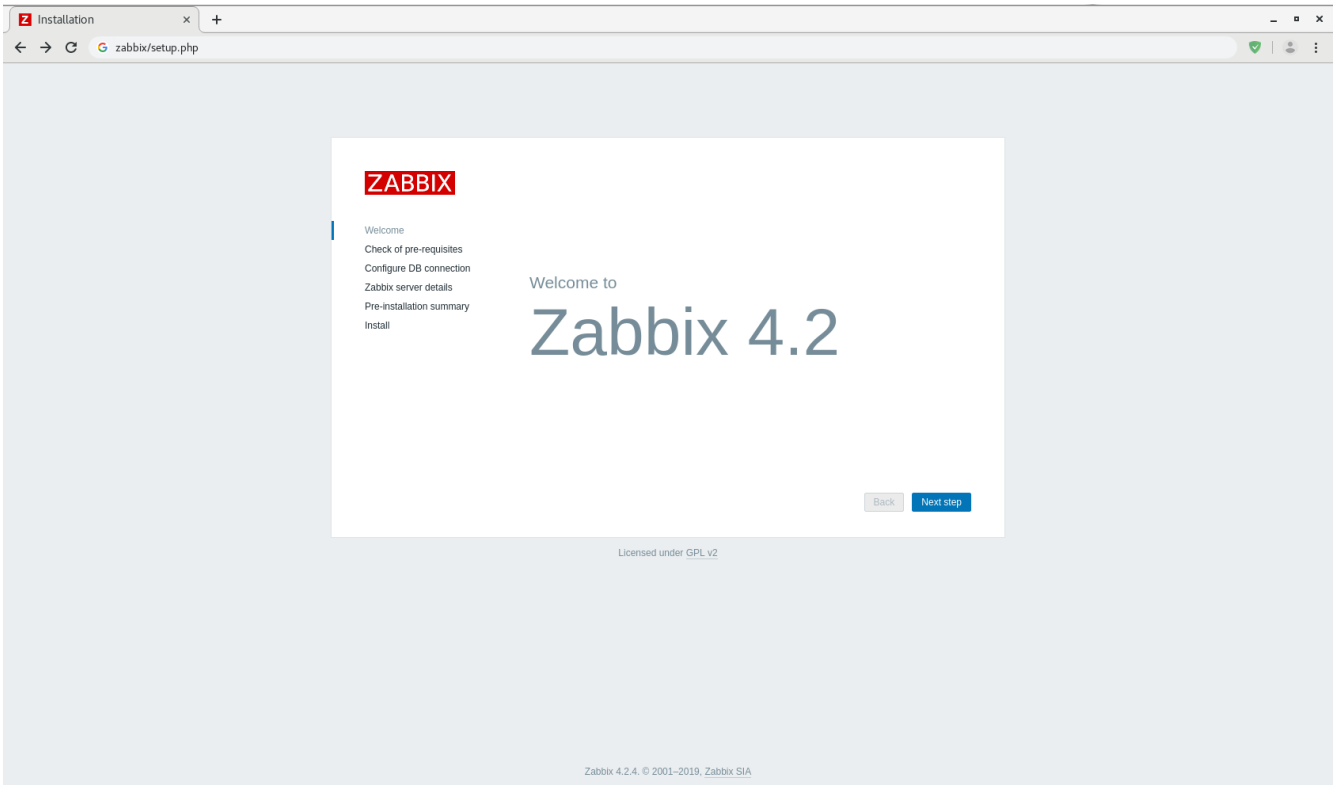
You should install and configure Zabbix server and agents.

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

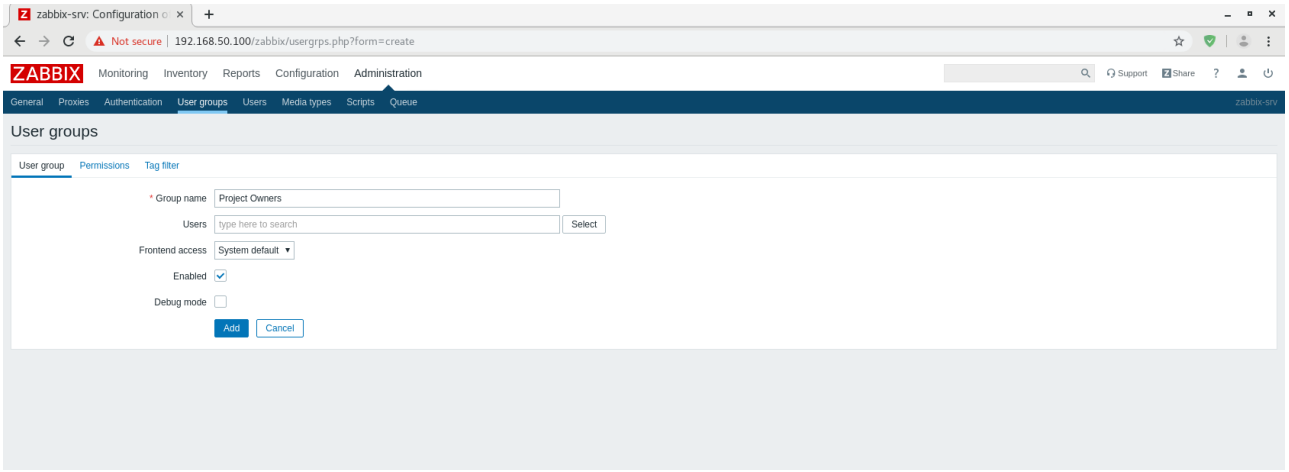
Configure zabbix to work on the server directly without /zabbix
http://zabbix-server/zabbix -> http://zabbix-server



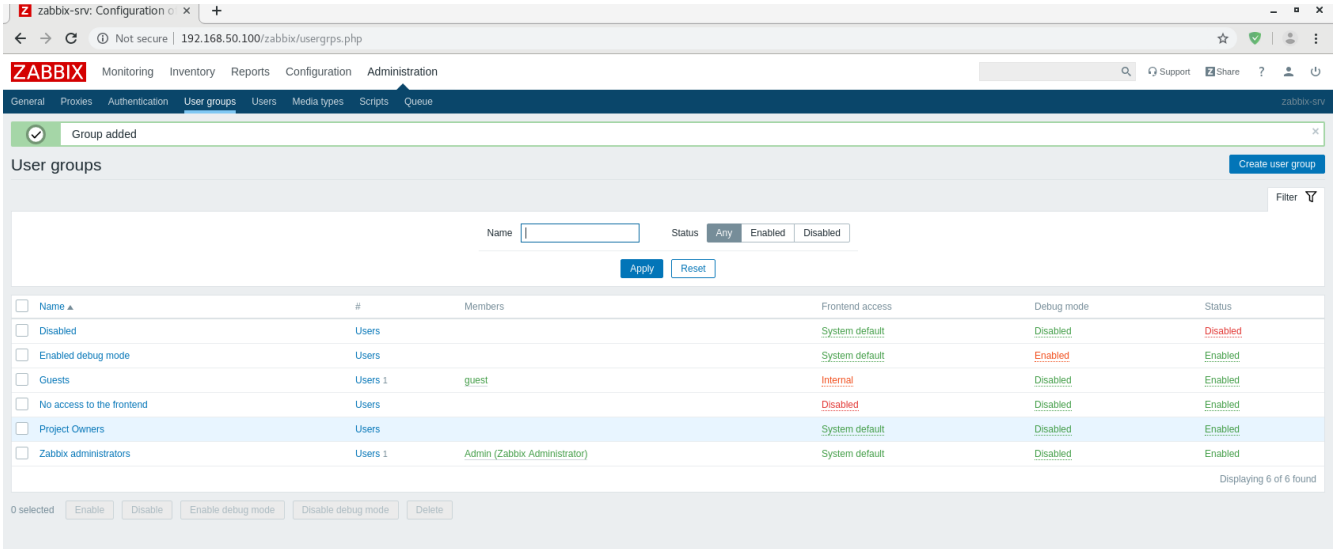
Picture 1

Using Zabbix UI:

- Create User group “Project Owners”

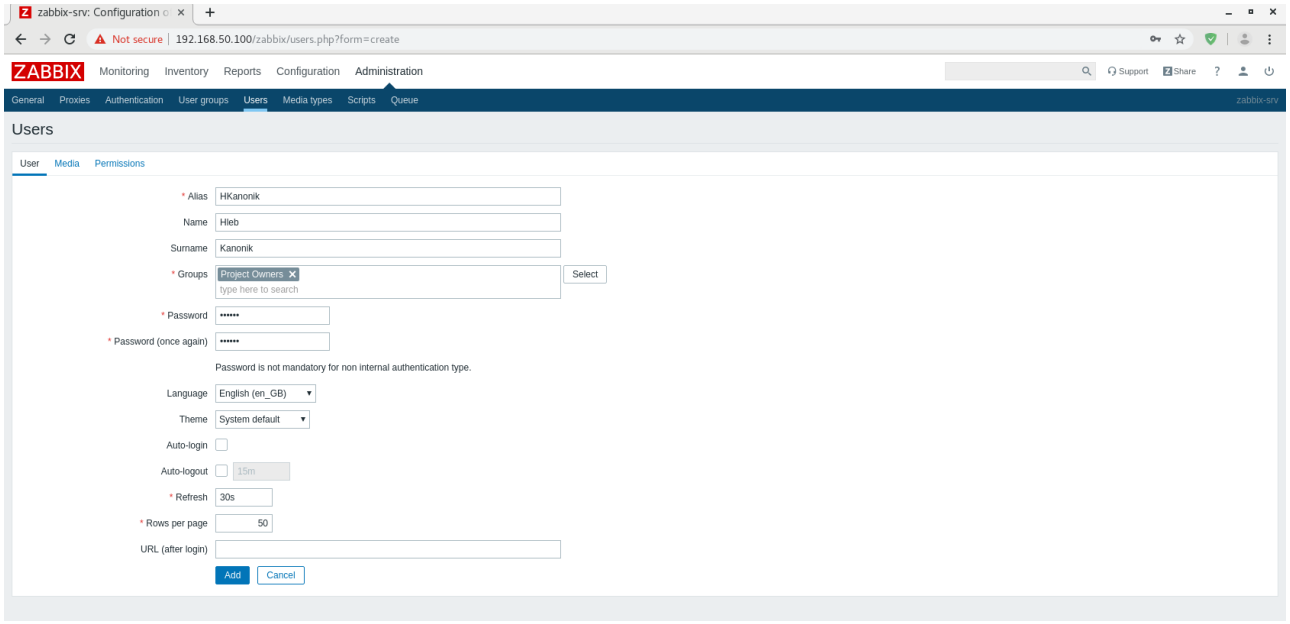


Picture 2.1

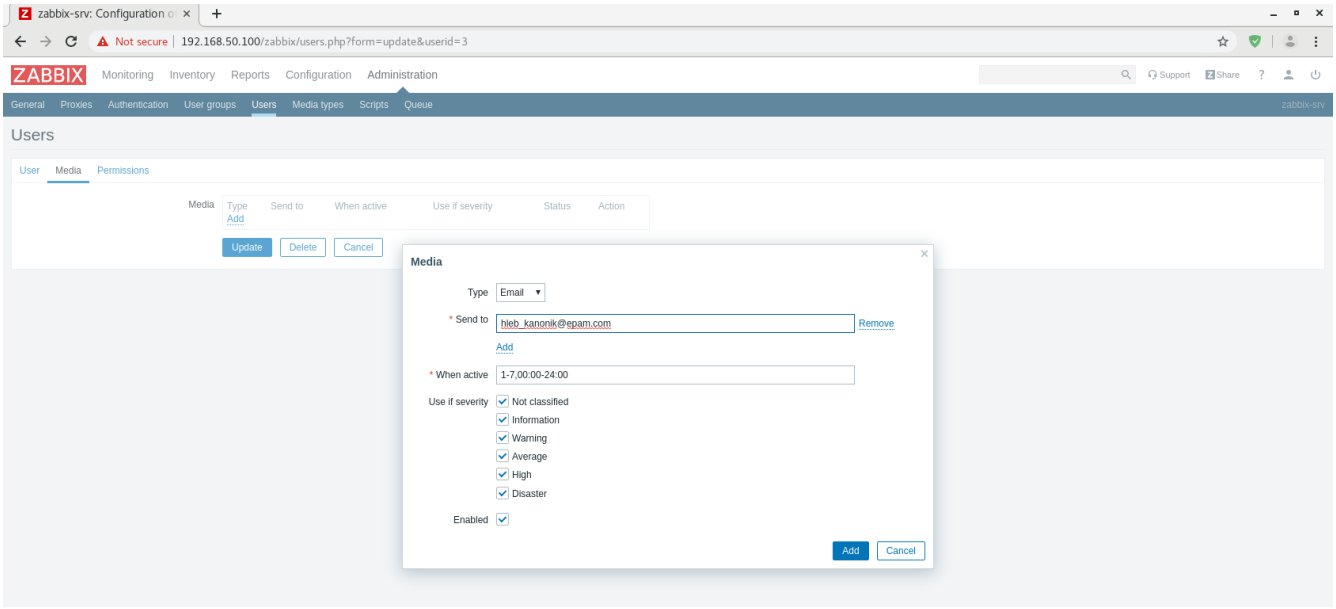


Picture 2.2

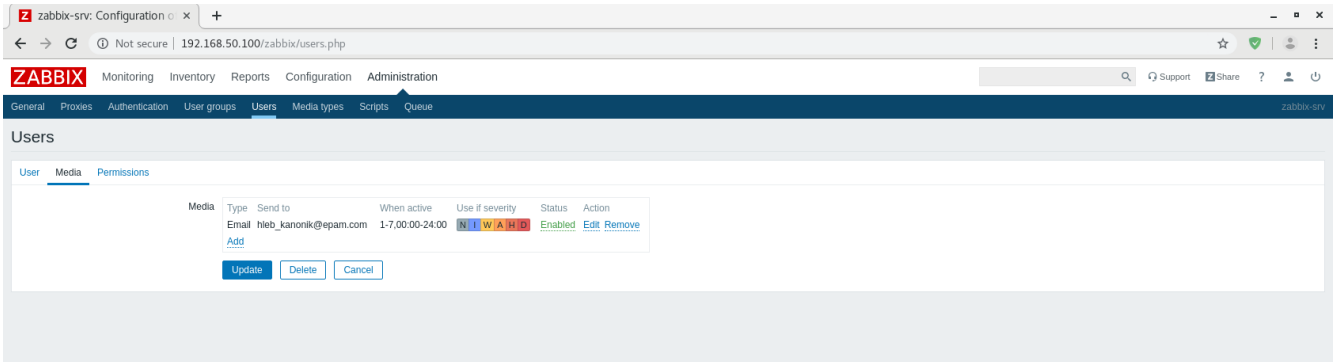
- Create User (example “Siarhei Beliakou”), assign user to “Project Owners”, set email



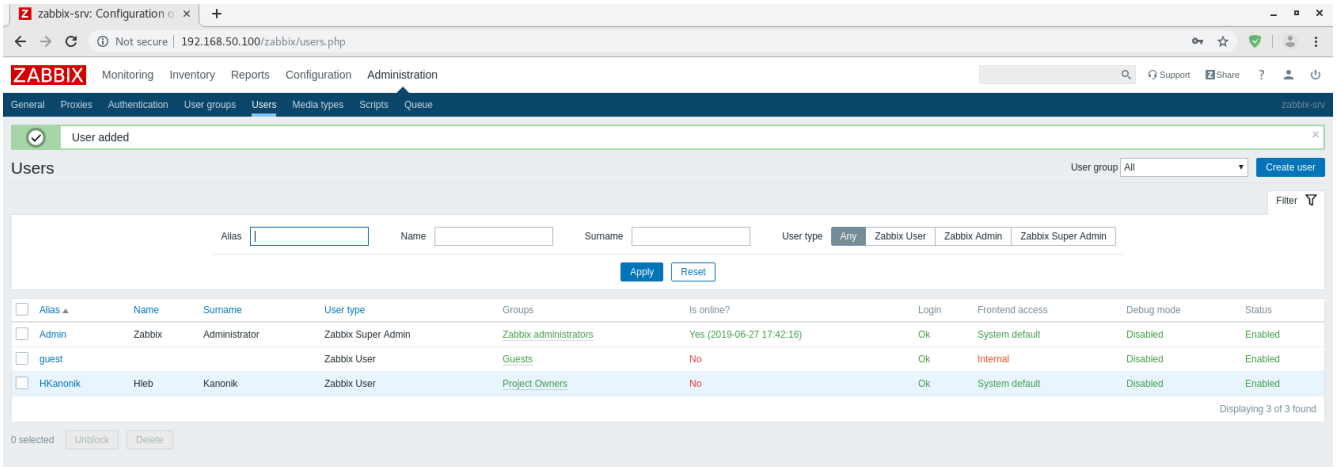
Picture 3.1



Picture 3.2

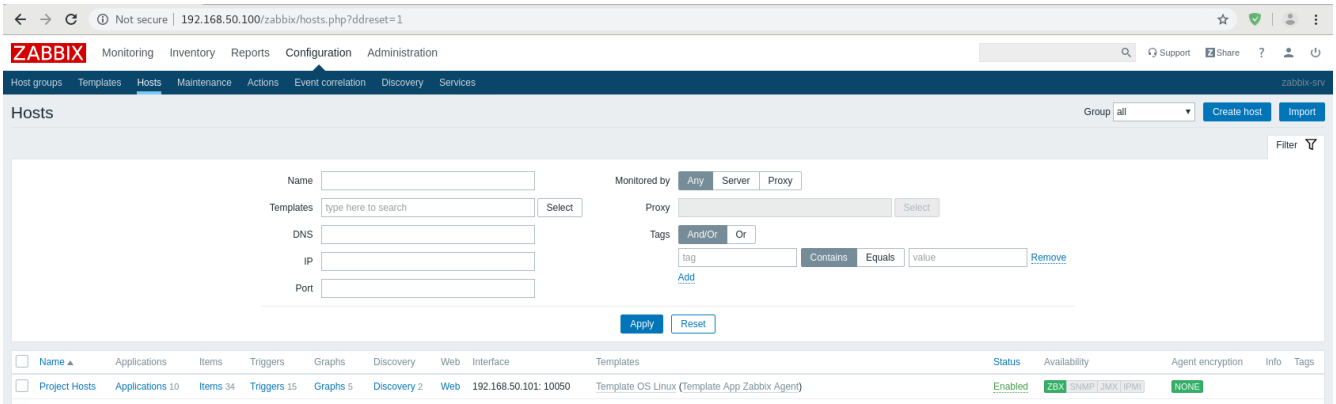


Picture 3.3



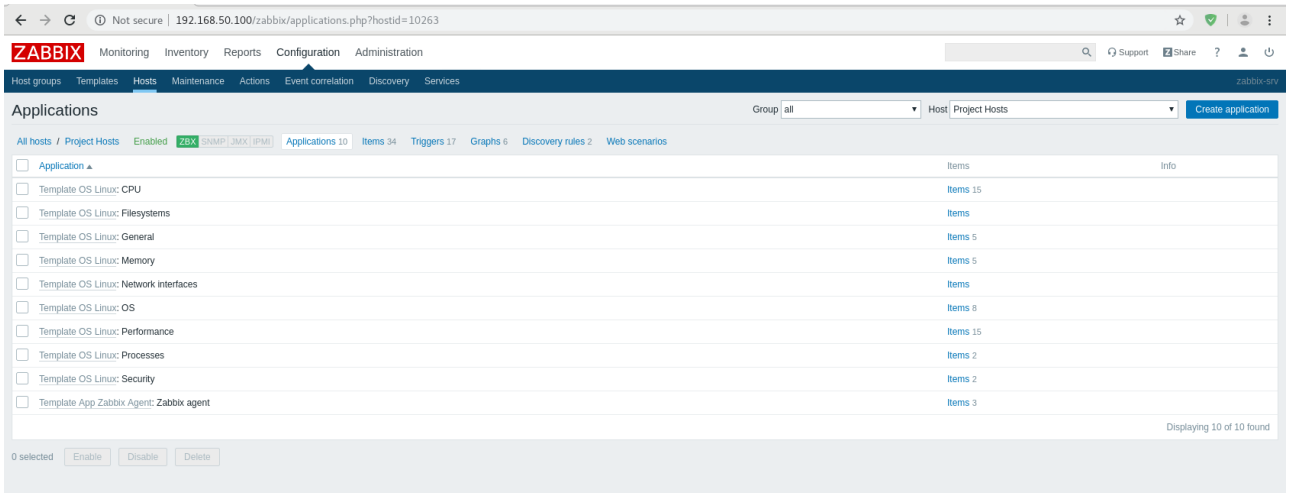
Picture 3.4

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



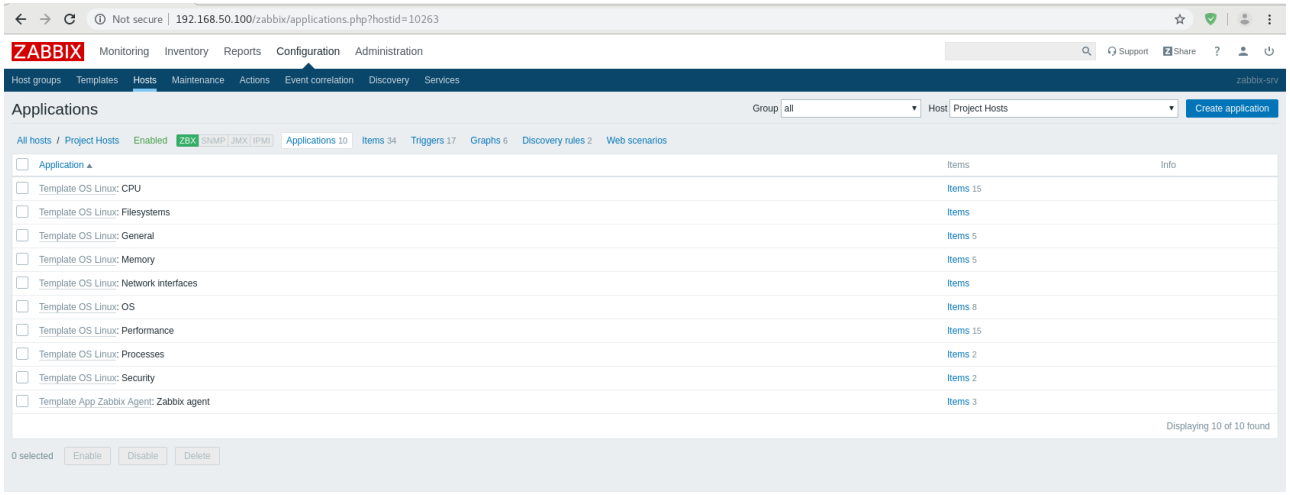
Picture 4

- Assign to this host template of Linux

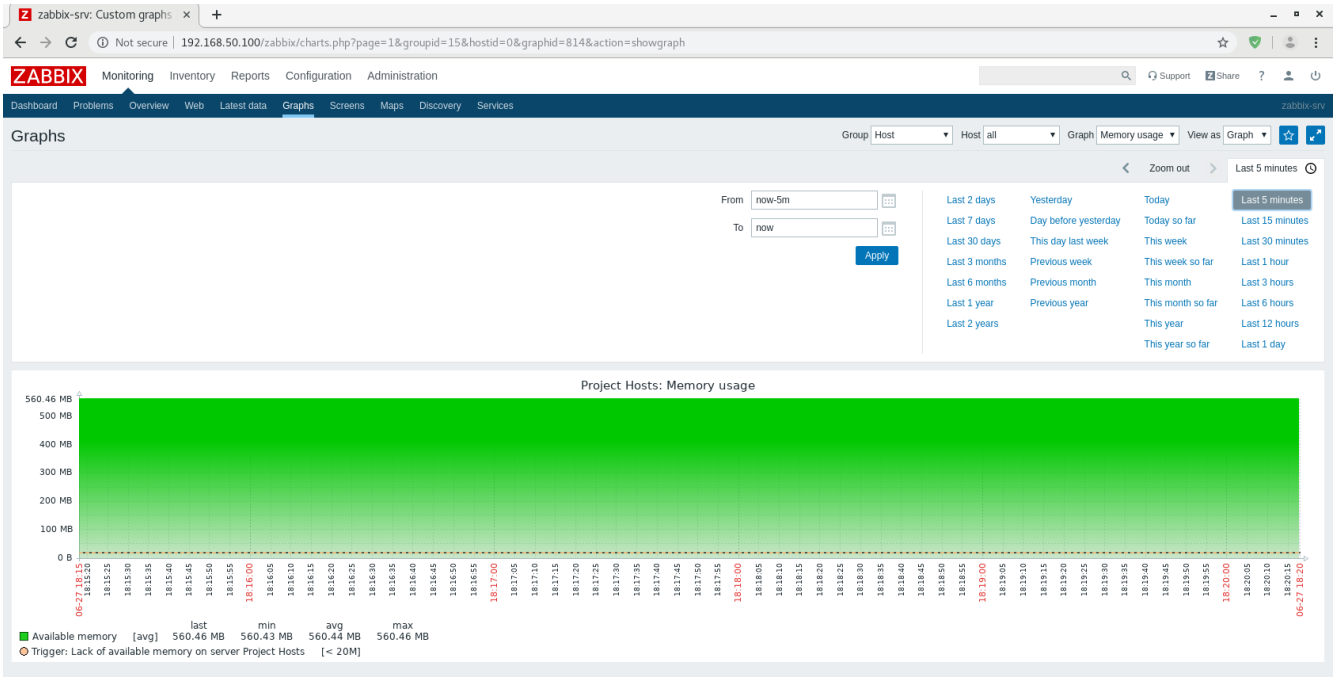


Picture 5

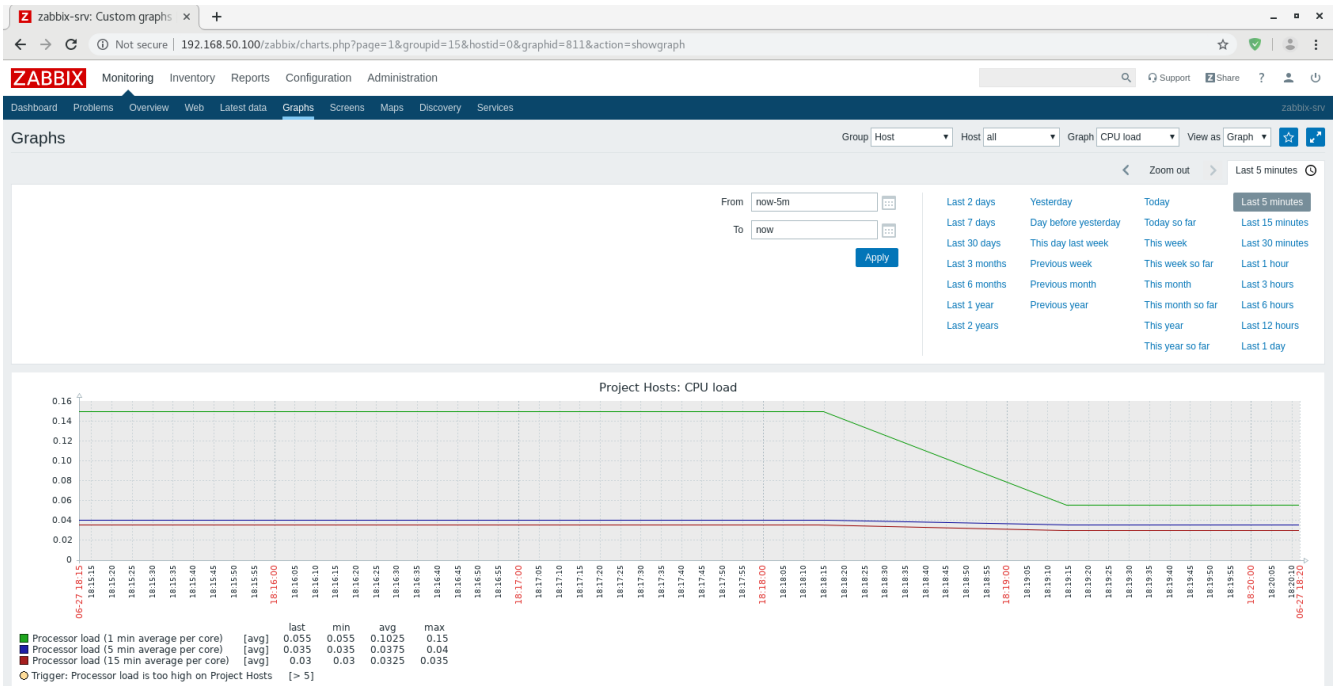
- Create custom checks (CPU Load, Memory load, Free space on file systems, Network load)



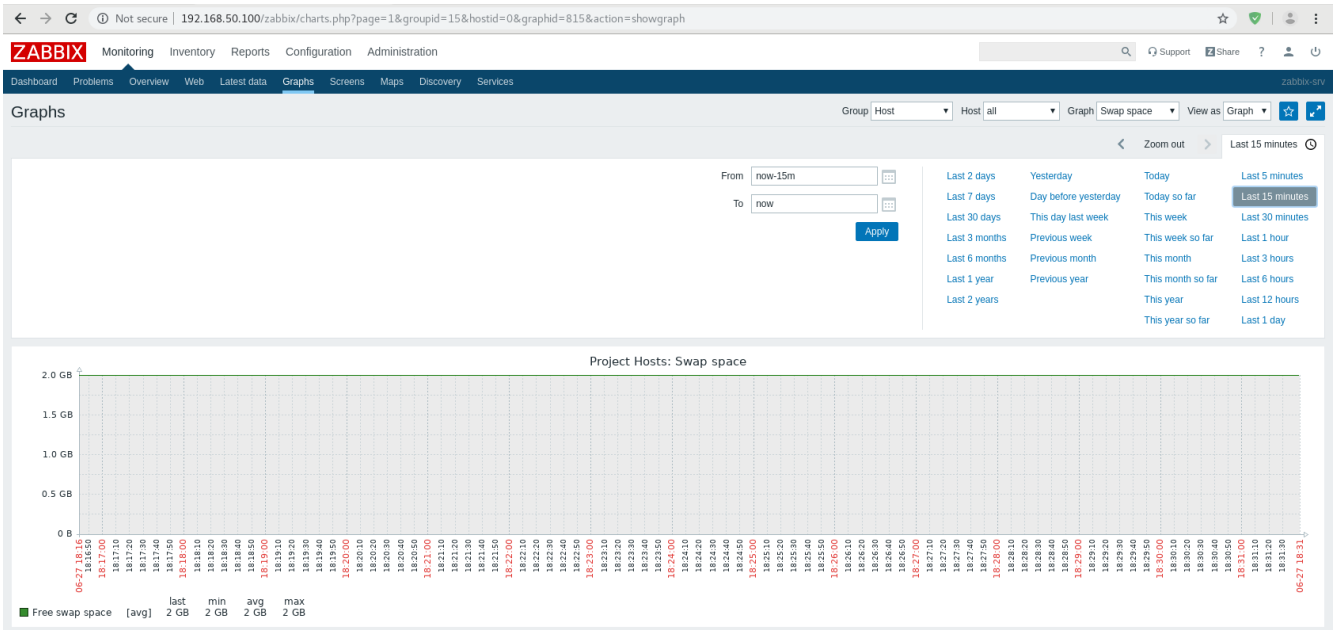
Picture 5.1



Picture 5.2

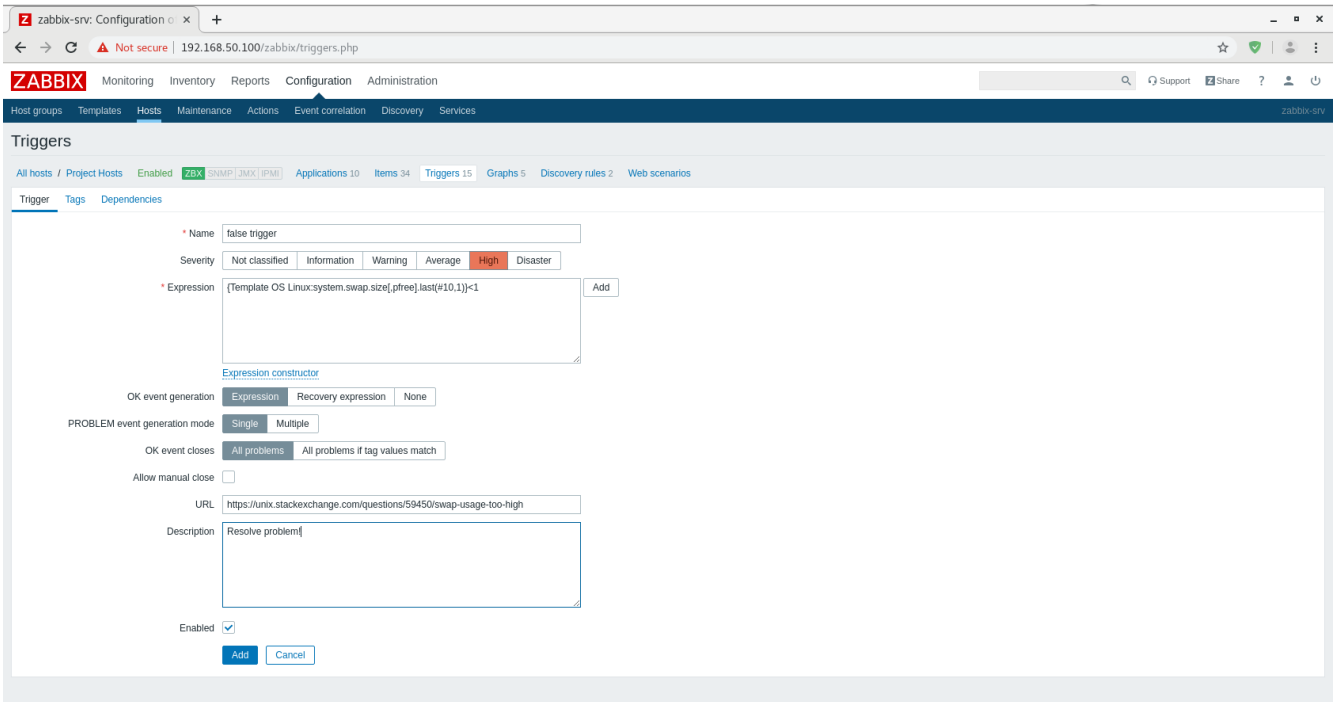


Picture 5.3

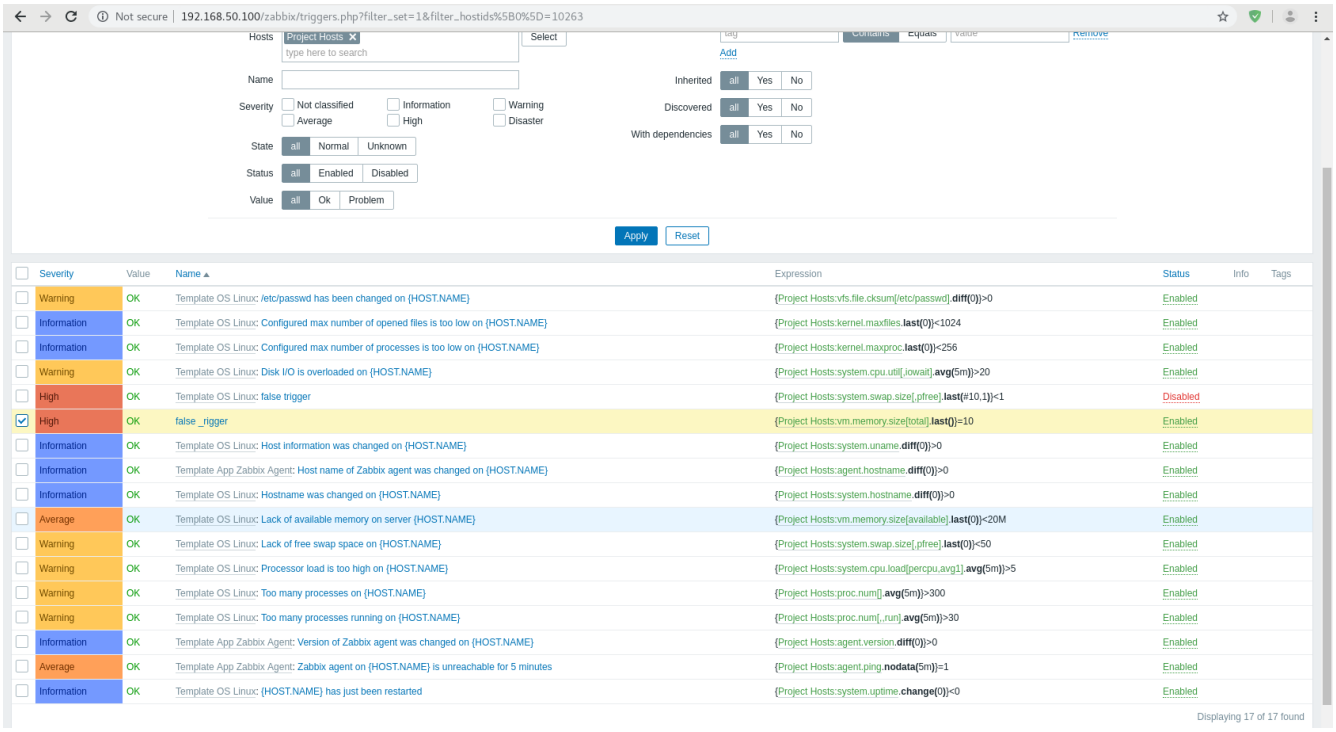


Picture 5.4

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

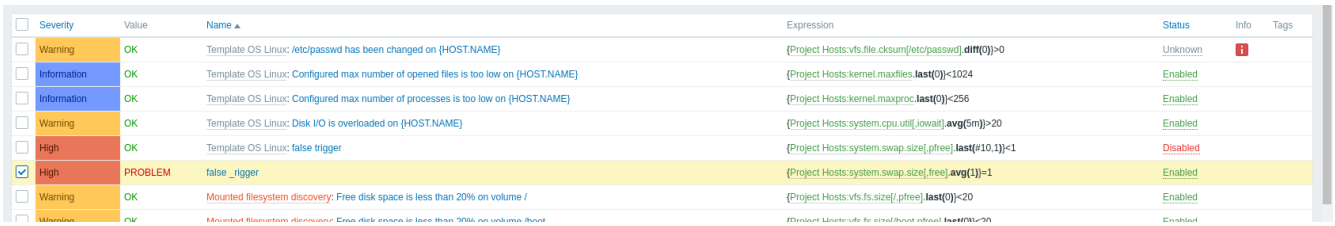


Picture 6.1

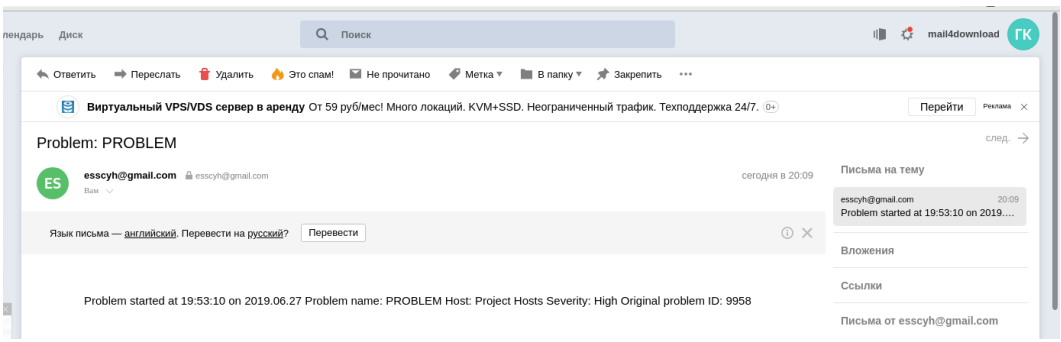


Picture 6.2

- Create Action to inform “Project Owners” if HIGH triggers happen



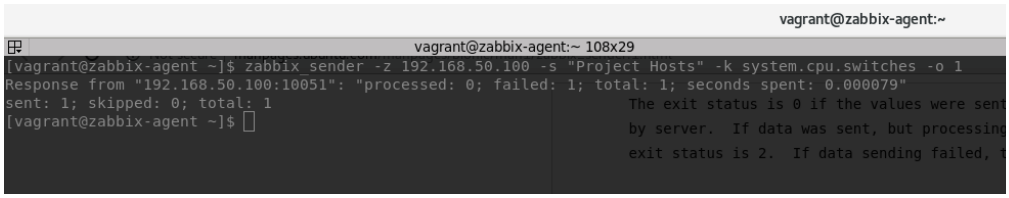
Picture 7.1



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).



Picture 9

- Use zabbix_get as data receiver and examine zabbix agent sending’s.

Picture 9