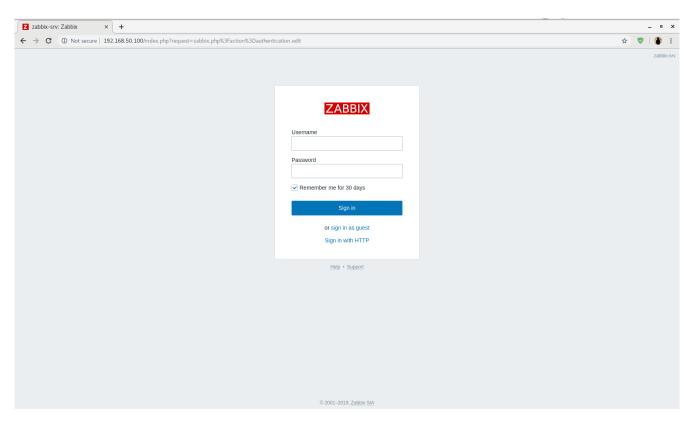
You should install and configure Zabbix server and agents.

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

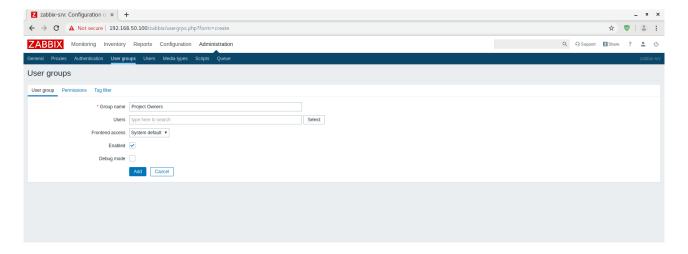
Configure zabbix to work on the server directly without /zabbix http://zabbix-server/zabbix -> http://zabbix-server



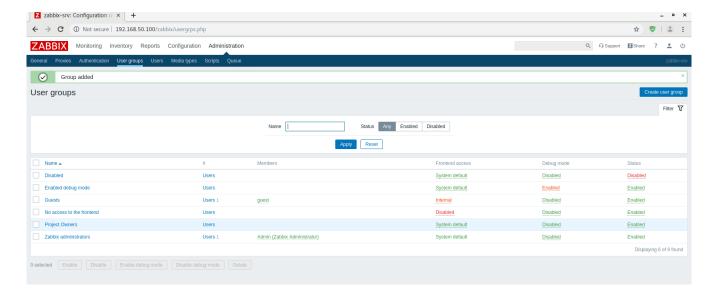
Picture 1

Using Zabbix UI:

• Create User group "Project Owners"

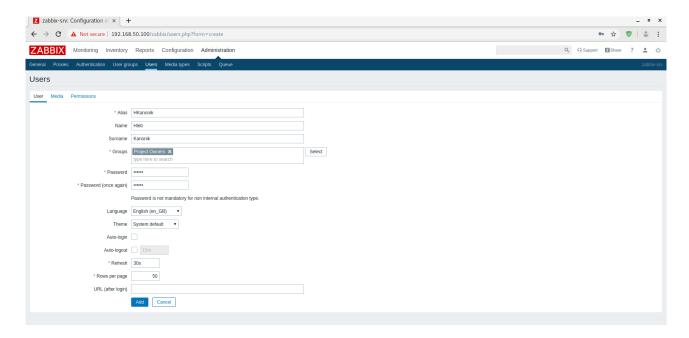


Picture 2.1

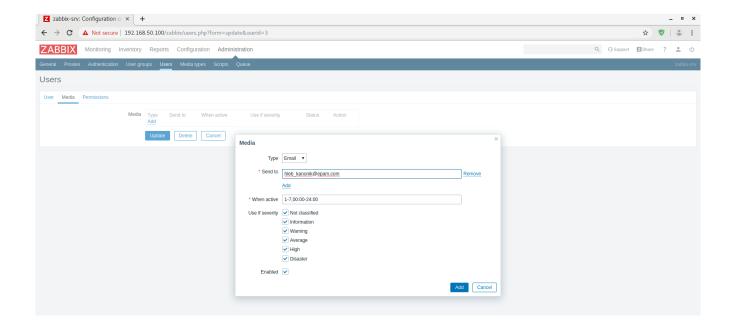


Picture 2.2

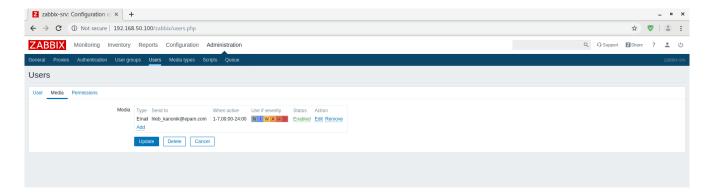
• Create User (example "Siarhei Beliakou"), assign user to "Project Owners", set email



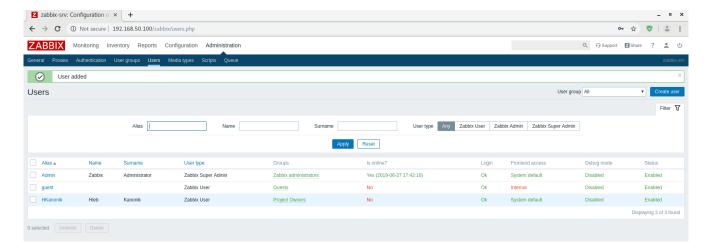
Picture 3.1



Picture 3.2

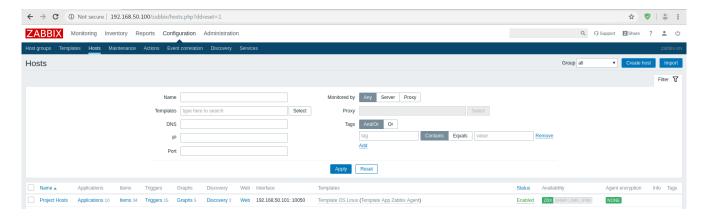


Picture 3.3



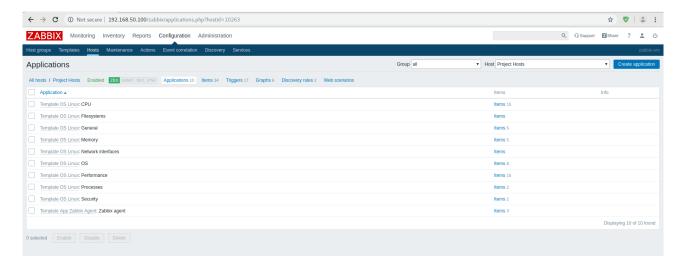
Picture 3.4

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



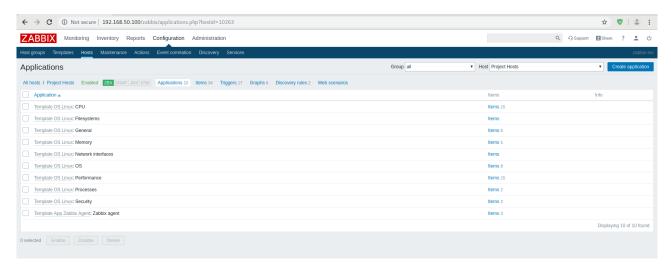
Picture 4

Assign to this host template of Linux

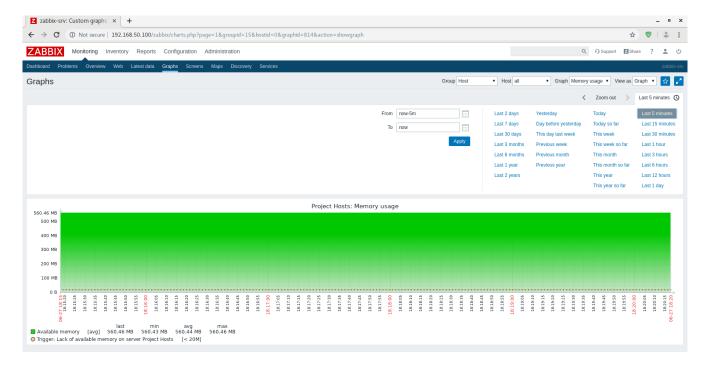


Picture 5

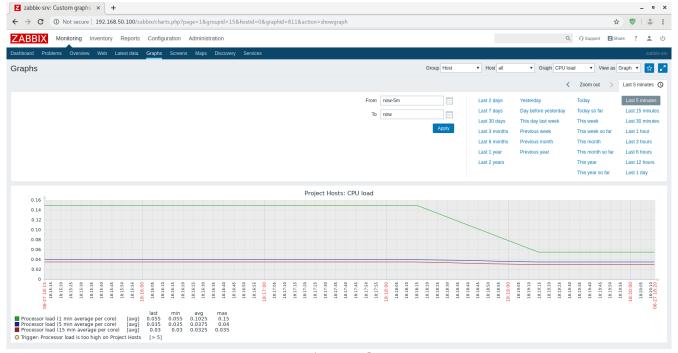
• Create custom checks (CPU Load, Memory load, Free space on file systems, Network load)



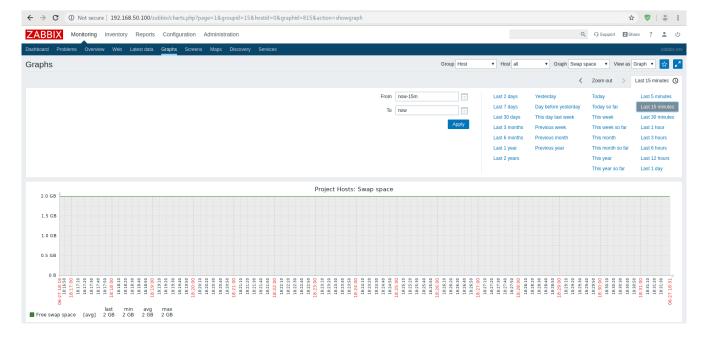
Picture 5.1



Picture 5.2

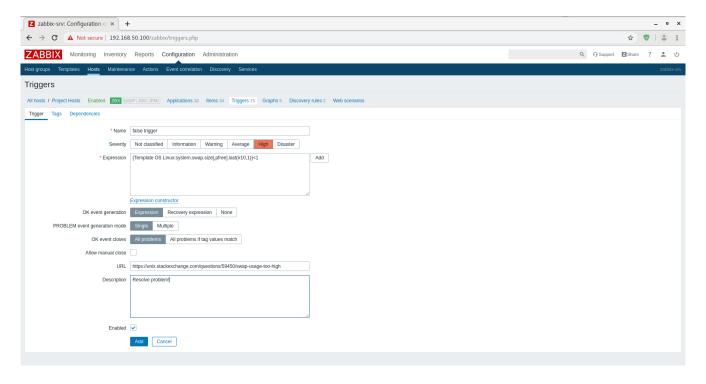


Picture 5.3

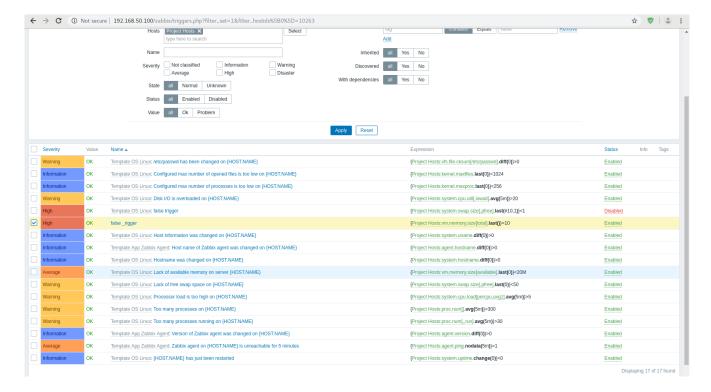


Picture 5.4

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



Picture 6.1

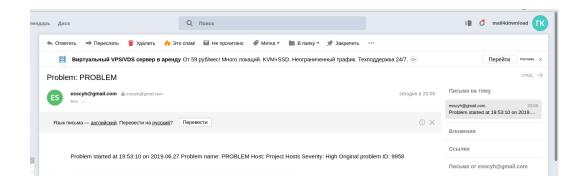


Picture 6.2

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

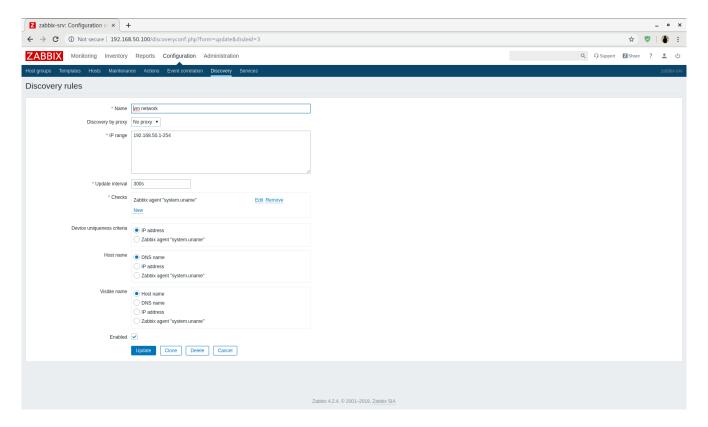


Picture 7.1

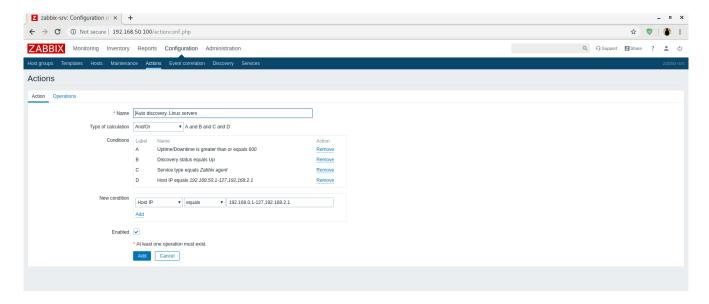


Picture 7.2

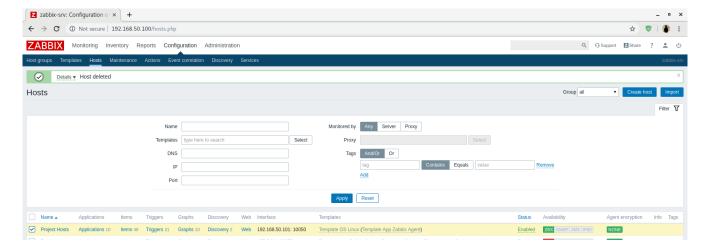
Configure "Network discovery" so that, 2nd VM will be joined to Zabbix (group "Project Hosts", Template "Template OS Linux")



Picture 8.1



Picture 8.2



Picture 8.3

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 10