EPAM Systems, RD Dep.

MTN.NIX.Zabbix_Tools

REVISION HISTORY					
Ver.	**Description of Change**	**Author**	**Date**	**Approved**	
				Name	**Effective Date**
1.0	Initial Version	Siarhei Beliakou	23/May/2017		

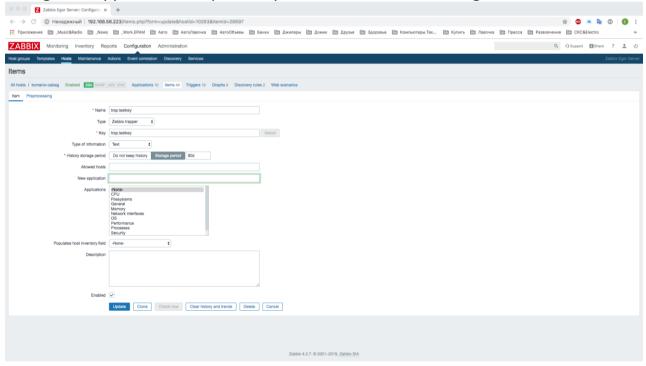# Task. Zabbix Tools

Testing Infrastructure:

Vagrantfile to spin up 2 VMs (virtualbox):

- zabbix server, provisioned by Vagrant provisioner
- Linux VM with zabbix agent, script for registration on zabbix server, all provisioned by Vagrant provisioner
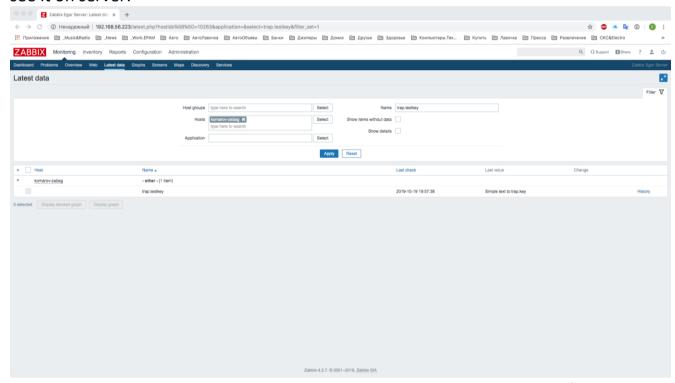
Task:

1. Configure the agent for replying to the specific server in passive and active mode.

We install zabbix_sender (see in script) and

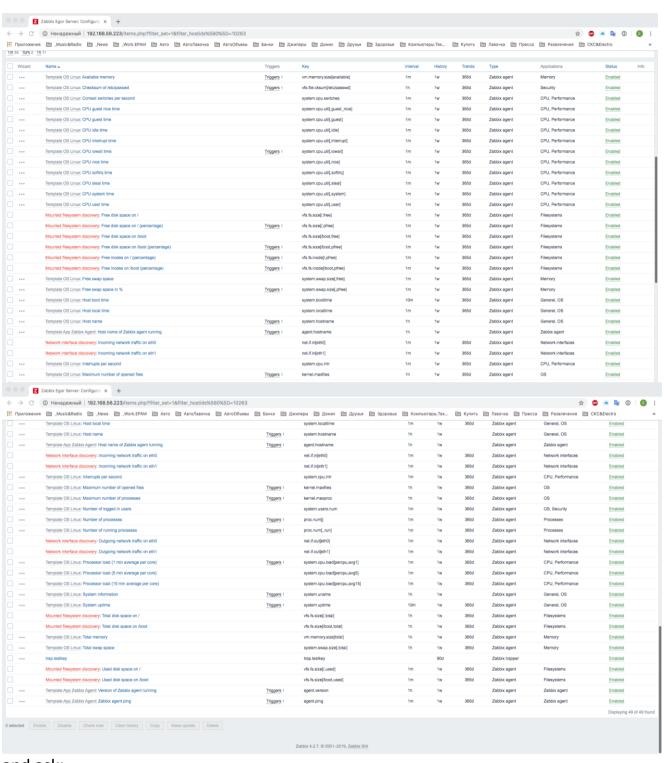configure trapper item "trap.testkey" for host "komarov-zabag" on Zabbix server:

2. Use zabbix_sender to send data to server manually (use zabbix_sender with key –vv for maximal verbosity).

```
[root@komarov-zabag ~]# clear

[root@komarov-zabag ~]# zabbix_sender -z 192.168.56.223 -s 192.168.56.227 -k trap.testkey -o "Simple text to trap.key" -vv
zabbix_sender [13808]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0; total: 1; seconds spent: 0.000230"}]
Response from "192.168.56.223:10051": "processed: 1; failed: 0; total: 1; seconds spent: 0.000230"
sent: 1; skipped: 0; total: 1
[root@komarov-zabag ~]# zabbix_sender -z 192.168.56.223 -s 192.168.56.227 -k trap.testkey -o "Simple text to trap.key" -vv
zabbix_sender [13813]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0; total: 1; seconds spent: 0.000969"}]
Response from "192.168.56.223:10051": "processed: 1; failed: 0; total: 1; seconds spent: 0.000969"
sent: 1; skipped: 0; total: 1
[root@komarov-zabag ~]#
```

see it on server:

3.   Use zabbix_get as data receiver and examine zabbix agent sending's.
First of all let's see on server what info we will ask:

and ask:

```
● ● ●                    🏠 Com — root@komarov-zabsrv:~ — ssh -p 2222 root@127.0.0.1 — 130×24
[root@komarov-zabsrv ~]# zabbix_get -s 192.168.56.227 -k "system.cpu.switches"            ]
392728
[root@komarov-zabsrv ~]# zabbix_get -s 192.168.56.227 -k "system.uptime"                  ]
2512
[root@komarov-zabsrv ~]# zabbix_get -s 192.168.56.227 -k "agent.version"                  ]
4.2.7
[root@komarov-zabsrv ~]# zabbix_get -s 192.168.56.227 -k "system.boottime"                ]
1571501471
[root@komarov-zabsrv ~]# zabbix_get -s 192.168.56.227 -k "system.uptime"                  ]
2544
[root@komarov-zabsrv ~]# zabbix_get -s 192.168.56.227 -k "system.uname"                   ]
Linux komarov-zabag 3.10.0-957.27.2.el7.x86_64 #1 SMP Mon Jul 29 17:46:05 UTC 2019 x86_64
[root@komarov-zabsrv ~]# zabbix_get -s 192.168.56.227 -k "system.localtime"               ]
1571504028
[root@komarov-zabsrv ~]# ▯
```

For both VMs use vagrant box "sbeliakou/centos-7.3-x86_64-minimal"