EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.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
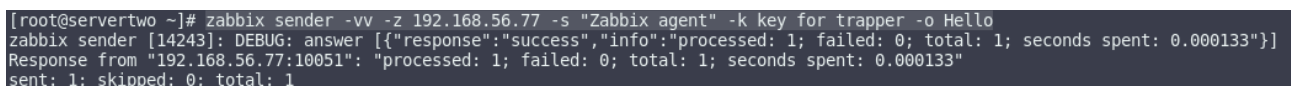
Task:

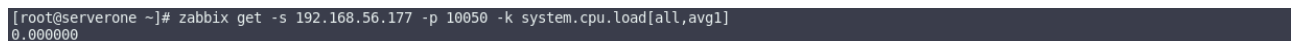1. Configure the agent for replying to the specific server in passive and active mode.

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL                                                                    1: bash            ▼  +  ⬚  🗑  ∧  ×
PidFile=/var/run/zabbix/zabbix_agentd.pid

LogFile=/var/log/zabbix/zabbix_agentd.log

LogFileSize=0

Server=192.168.56.77

ListenPort=10050

ServerActive=192.168.56.77

Hostname=Zabbix server

Include=/etc/zabbix/zabbix_agentd.d/*.conf
~
~
~
"/etc/zabbix/zabbix_agentd.conf" 16L, 237C                                                                              15,1            All
```

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

```
[root@servertwo ~]# zabbix_sender -vv -z 192.168.56.77 -s "Zabbix agent" -k key_for_trapper -o Hello
zabbix_sender [14243]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0; total: 1; seconds spent: 0.000133"}]
Response from "192.168.56.77:10051": "processed: 1; failed: 0; total: 1; seconds spent: 0.000133"
sent: 1; skipped: 0; total: 1
```

3. Use zabbix_get as data receiver and examine zabbix agent sending's.

```
[root@serverone ~]# zabbix_get -s 192.168.56.177 -p 10050 -k system.cpu.load[all,avg1]
0.000000
```

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