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
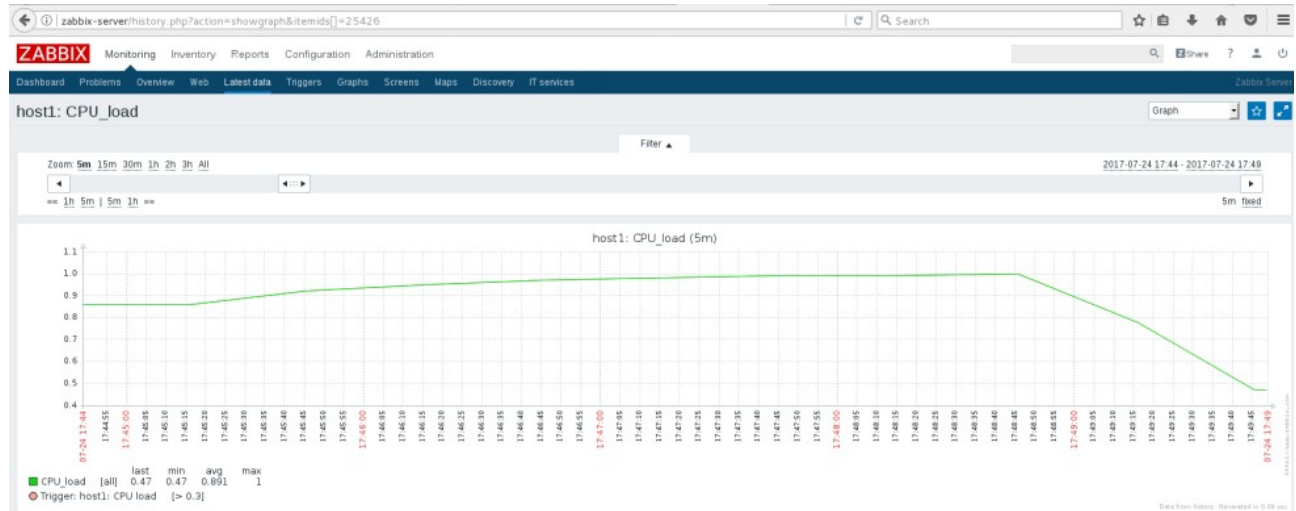
Task:

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

```
ServerActive=192.168.56.10

### Option: Hostname
#       Unique, case sensitive hostname.
#       Required for active checks and must match hostname as configured on the server.
#       Value is acquired from HostnameItem if undefined.
#
# Mandatory: no
# Default:
# Hostname=

Hostname=Zabbix server
```

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

$ zabbix_sender -z 192.168.56.10 -s "host1" -k system.cpu.load[,] -vv -o 1

```
[root@host-agent1 vagrant]# zabbix_sender -z 192.168.56.10 -s "host1" -k system.cpu.load[,] -vv -o 1
zabbix_sender [24103]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0; total: 1; seconds spent: 0.000247"}]
info from server: "processed: 1; failed: 0; total: 1; seconds spent: 0.000247"
sent: 1; skipped: 0; total: 1
```

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

$ zabbix_get -s 192.168.56.11 -p 10050 -k "agent.version"

```
[root@server vagrant]# zabbix_get -s 192.168.56.11 -p 10050 -k "agent.version"
3.2.7
```

```
[root@server vagrant]# zabbix_get -s 192.168.56.12 -p 10050 -k "agent.version"
3.2.7
[root@server vagrant]# zabbix_get -s 192.168.56.13 -p 10050 -k "agent.version"
zabbix_get [29357]: Get_value error: cannot connect to [[192.168.56.13]:10050]: [113] No route to host
```

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