

EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.Zabbix.Tools

REVISION HISTORY					
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				Name	Effective Date
1.0	Initial Version	Siarhei Beliakou	23/May/2017		

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

```
[root@localhost httpd]# zabbix_sender -vv -z 192.168.56.2 -p 10051 -s "remote-agent" -k trap -o "test value"
zabbix_sender [4466]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0; total: 1; seconds spent: 0.000072"}]
info from server: "processed: 1; failed: 0; total: 1; seconds spent: 0.000072"
sent: 1; skipped: 0; total: 1
[root@localhost httpd]#
```

```
[root@localhost httpd]# zabbix_sender -vv -z 192.168.56.2 -p 10051 -s "remote-agent" -k trap -o "test value"
zabbix_sender [5479]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0; total: 1; seconds spent: 0.000049"}]
info from server: "processed: 1; failed: 0; total: 1; seconds spent: 0.000049"
sent: 1; skipped: 0; total: 1
[root@localhost httpd]#
```

3. Use zabbix_get as data receiver and examine zabbix agent sending's.
For both VMs use vagrant box "sbeliakou/centos-7.3-x86_64-minimal"

```
[root@localhost httpd]# zabbix_get -s 192.168.56.3 -p 10050 -k 'system.cpu.load[all,avg1]'
0.000000
```

```
[root@localhost httpd]# zabbix_get -s 192.168.56.3 -p 10050 -k 'system.cpu.load[all,avg1]'
0.160000
[root@localhost httpd]# zabbix_get -s 192.168.56.3 -p 10050 -k 'system.cpu.load[all,avg1]'
0.220000
[root@localhost httpd]# zabbix_get -s 192.168.56.3 -p 10050 -k 'system.cpu.load[all,avg1]'
0.490000
```