

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		

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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.

```
PidFile=/var/run/zabbix/zabbix_agentd.pid
LogFile=/var/log/zabbix/zabbix_agentd.log
LogFileSize=0
Server=192.168.56.155
ServerActive=192.168.56.155
Hostname=zabbixclient
Include=/etc/zabbix/zabbix_agentd.d/*.conf
HostMetadata=system.uname
~
~
```

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

```
[root@zabbixclient vagrant]# zabbix_sender -z 192.168.56.155 -s "zabbixclient" -k db.connections -o 43 -vv
zabbix_sender [13882]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0; total: 1; seconds spent: 0.000085"}]
Response from "192.168.56.155:10051": "processed: 1; failed: 0; total: 1; seconds spent: 0.000085"
sent: 1; skipped: 0; total: 1_
```

zabbixclient

- other - (1 item)

db.connections

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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"

```
vagrant@zabbixserer:/home/vagrant
File Edit View Search Terminal Tabs Help
vagrant@zabbixserer:/home/vagrant x vagrant@zabbixclient:/home/vagrant x
[root@zabbixserer vagrant]# zabbix_get -s 192.168.56.156 -p 10050 -k 'system.cpu.load[all,avg1]'
0.640000
[root@zabbixserer vagrant]#
```