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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.

Active
```
# Mandatory: no
# Default:
# ServerActive=

ServerActive=192.168.56.2

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

### Option: HostnameItem
```

Passive
```
# Mandatory: no
# Default:
# Server=

Server=192.168.56.2

### Option: ListenPort
#       Agent will listen on this port for connections from the server.
#
# Mandatory: no
# Range: 1024-32767
# Default:
# ListenPort=10050

### Option: ListenIP
#       List of comma delimited IP addresses that the agent should listen on.
#       First IP address is sent to Zabbix server if connecting to it to retrieve
ctive checks.
#
# Mandatory: no
# Default:
# ListenIP=0.0.0.0
```

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

```
[vagrant@localhost ~]$ zabbix_sender -z 192.168.56.2 -s "agent1" -k system.cpu.load -o 0 -v
v
zabbix_sender [22750]: DEBUG: answer [{"response":"success","info":"processed: 1; failed: 0
; total: 1; seconds spent: 0.000096"}]
info from server: "processed: 1; failed: 0; total: 1; seconds spent: 0.000096"
sent: 1; skipped: 0; total: 1
[vagrant@localhost ~]$ □
```

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

```
vagrant@localhost ~]$ zabbix_get -s 192.168.56.3 -p 10050 -k 'proc.num[]'
.02
vagrant@localhost ~]$ ▮
```

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