

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		

Legal Notice

This document contains privileged and/or confidential information and may not be disclosed, distributed or reproduced without the prior written permission of EPAM Systems.

Task. Zabbix Tools

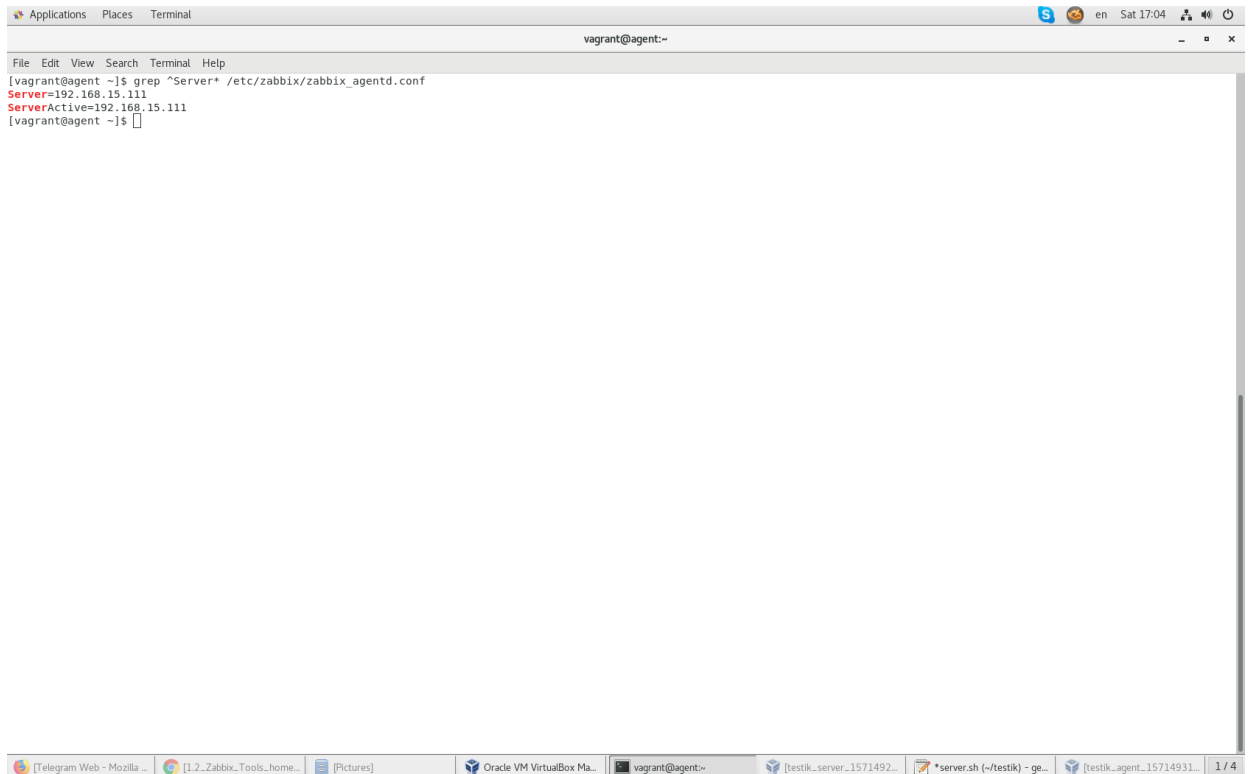
Testing Infrastructure:

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

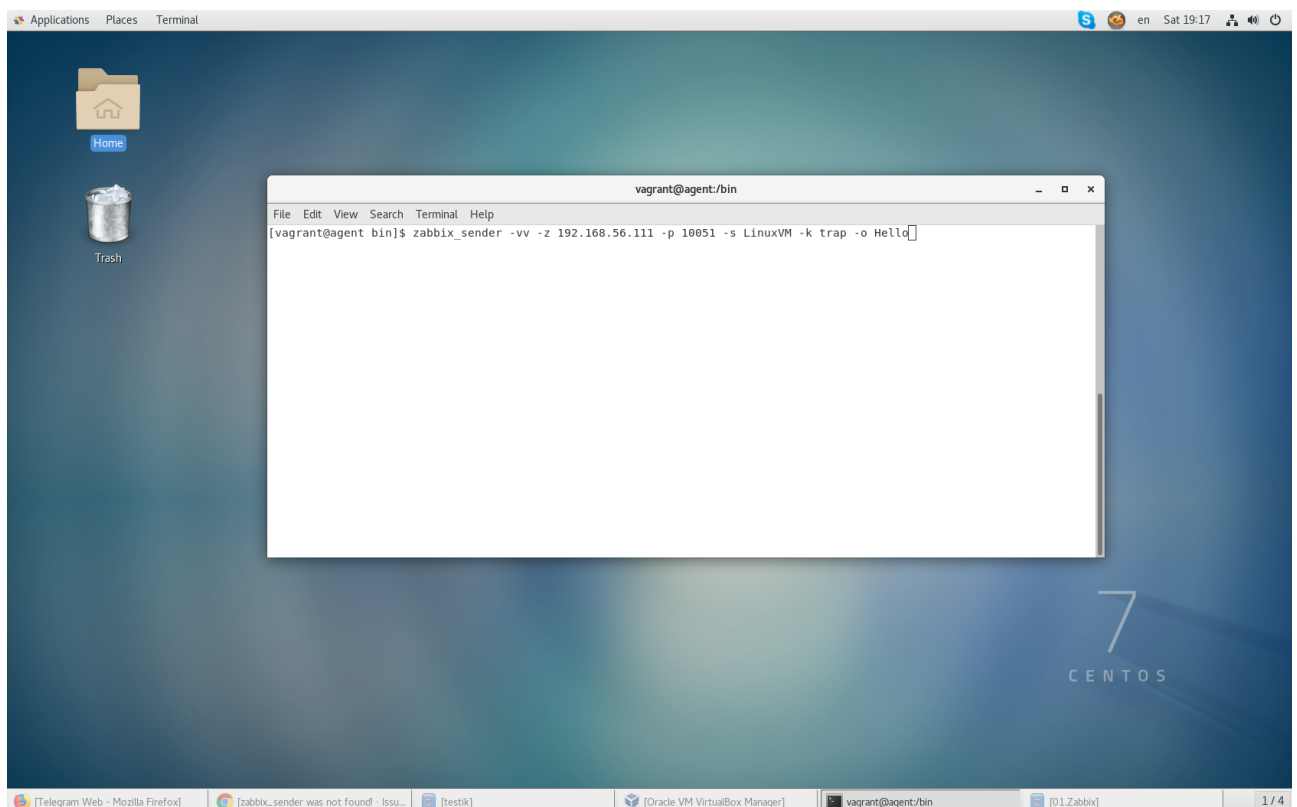
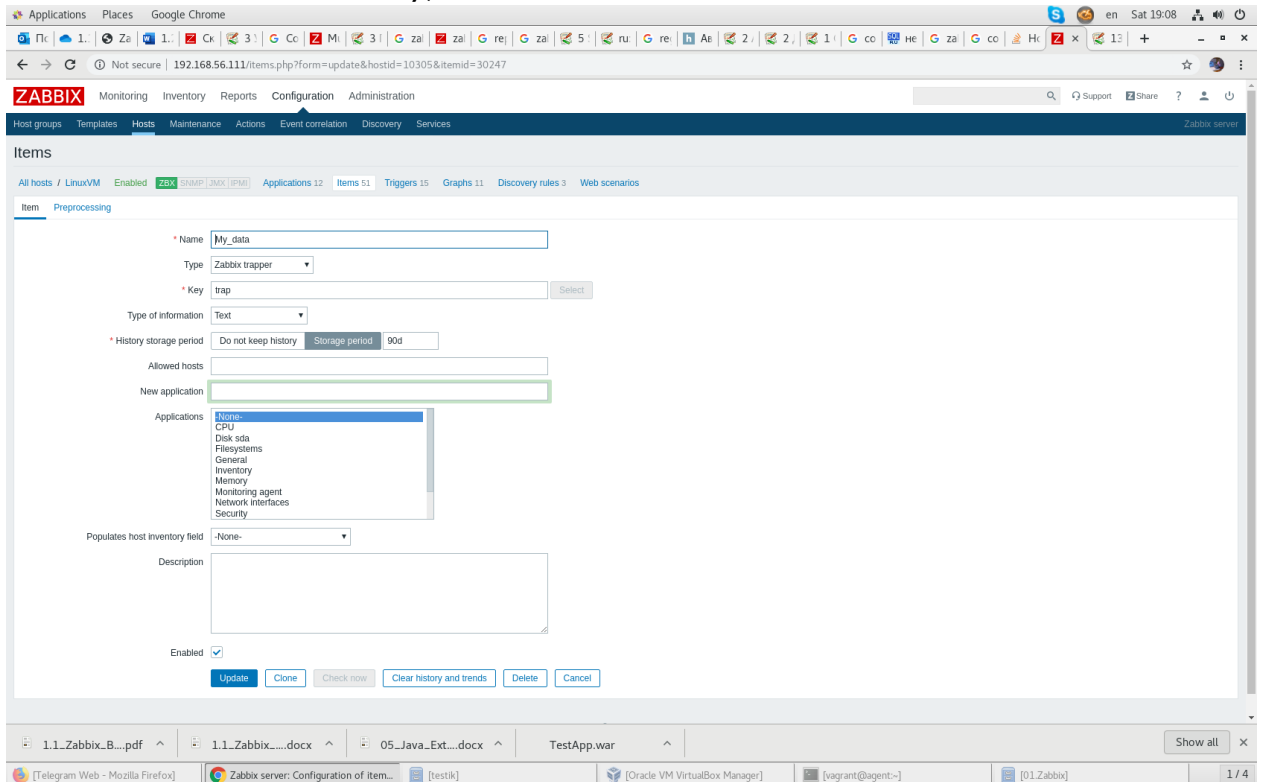
Task:

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



```
Applications Places Terminal
vagrant@agent:~
File Edit View Search Terminal Help
[vagrant@agent ~]$ grep ^Server* /etc/zabbix/zabbix_agentd.conf
Server=192.168.15.111
ServerActive=192.168.15.111
[vagrant@agent ~]$
```

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



Applications Places Google Chrome

192.168.56.111/history.php?action=showvalues&items[]=30247#tab.2

ZABBIX Monitoring Inventory Reports Configuration Administration

Dashboard Problems Overview Web Latest data Graphs Screens Maps Discovery Services

LinuxVM: My_data

View as: Values As plain text

Zoom out Last 1 hour Filter

Timestamp	Value
2019-10-19 19:21:33	Hello
2019-10-19 19:17:41	Hello
2019-10-19 19:17:28	Hello

192.168.56.111/history.php?action=showvalues&items[]=30247#tab.2

Zabbix 4.4.0. © 2001-2019, Zabbix SIA

1.1.Zabbix_B....pdf 1.1.Zabbix....docx 05_Java_Ext....docx TestApp.war Show all X

[Telegram Web - Mozilla Firefox] Zabbix server: History [refreshed ev... [testik] [Oracle VM VirtualBox Manager] [vagrant@agent/bin] [01.Zabbix] 1 / 4

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"

Applications Places Google Chrome

192.168.56.111/hosts.php?ddreset=1

ZABBIX Monitoring Inventory Reports Configuration Administration

Host groups Templates Hosts Maintenance Actions Event correlation Discovery Services

Hosts

Group: all Create host Import Filter

Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
LinuxVM	Applications 16	Items 75	Triggers 29	Graphs 15	Discovery 3	Web 192.168.56.222:10050			Template OS Linux by Zabbix agent (Template Module Linux block devices by Zabbix agent, Template Module Linux CPU by Zabbix agent, Template Module Linux filesystems by Zabbix agent, Template Module Linux generic by Zabbix agent, Template Module Linux memory by Zabbix agent, Template Module Linux network interfaces by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX SNMP JMX IPMI	NONE		
Zabbix server	Applications 17	Items 120	Triggers 63	Graphs 21	Discovery 3	Web 127.0.0.1:10050			Template App Zabbix Server, Template OS Linux by Zabbix agent (Template Module Linux block devices by Zabbix agent, Template Module Linux CPU by Zabbix agent, Template Module Linux filesystems by Zabbix agent, Template Module Linux generic by Zabbix agent, Template Module Linux memory by Zabbix agent, Template Module Linux network interfaces by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX SNMP JMX IPMI	NONE		

0 selected Enable Disable Export Mass update Delete

192.168.56.111/hosts.php?ddreset=1#tab.0

Zabbix 4.4.0. © 2001-2019, Zabbix SIA

1.2.Zabbix....docx 1.1.Zabbix_B....pdf 1.1.Zabbix....docx 05_Java_Ext....docx TestApp.war Show all X

[Telegram Web - Mozilla Fire... Zabbix server: Configuration o... [testik] [Oracle VM VirtualBox Manager] [vagrant@server~] Pictures 1.2.Zabbix_Tools_hometask... 1 / 4

