EPAM Systems, RD Dep. MTN.NIX.Zabbix_Java

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. Java Monitoring with Java

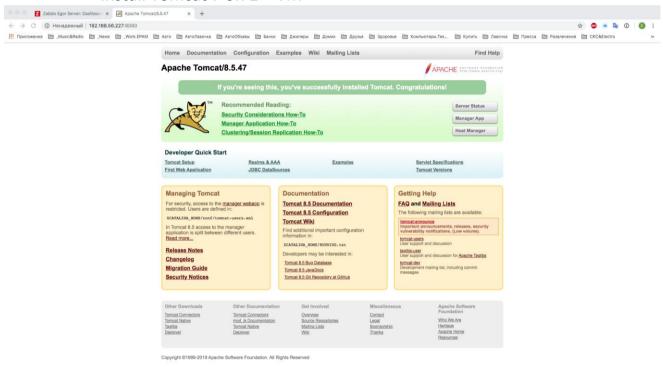
Task:

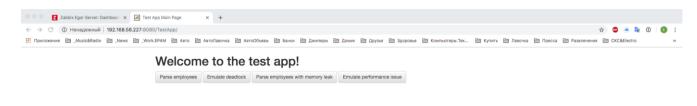
You should install and configure Zabbix server and agents.

Testing Infrastructure:

Vagrantfile to spin up 2 VMs (virtualbox):

- zabbix server, provisioned by Vagrant provisioner
- Zabbix agents on both VMs, provisioned by Vagrant provisioner
- Install Tomcat 7 on 2nd VM



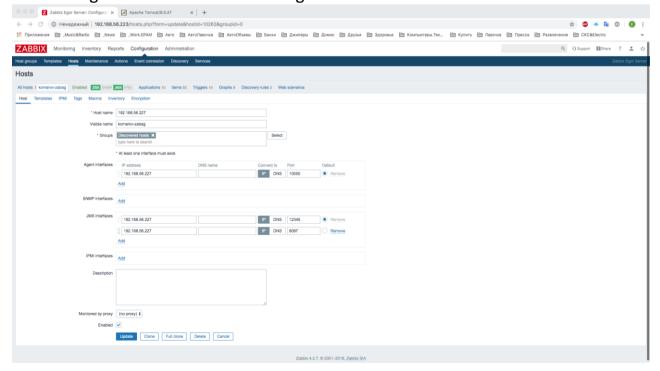


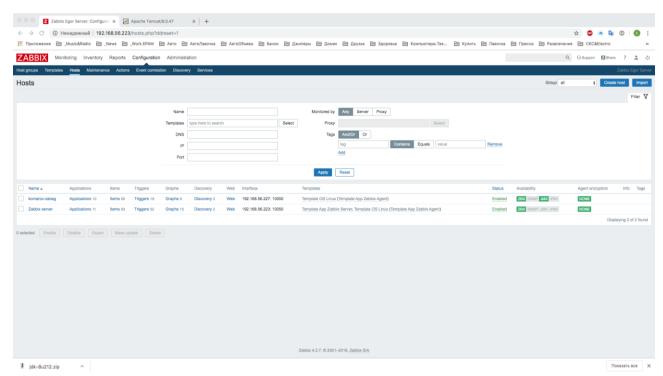
Other settings, Java GW install and configuration see on scripts.

Tasks:

1. Configure Zabbix to examine Java parameters via Java Gateway (http://jmxmonitor.sourceforge.net/jmx.html)

Let's configure JMX on komarov-zabag host:





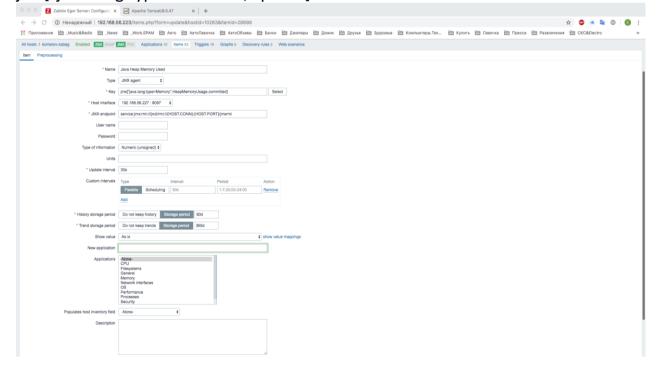
Let's configure item-parameters to observation:

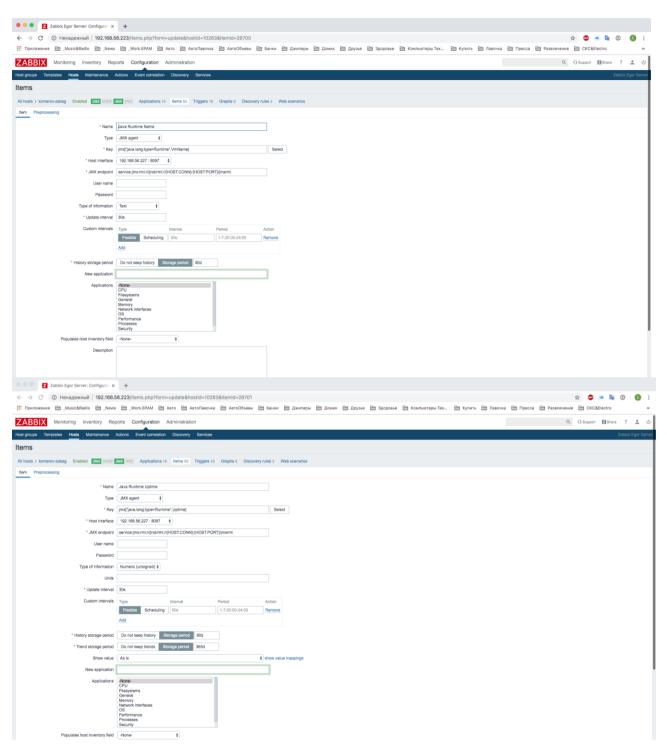
jmx["java.lang:type=Memory",HeapMemoryUsage.committed]

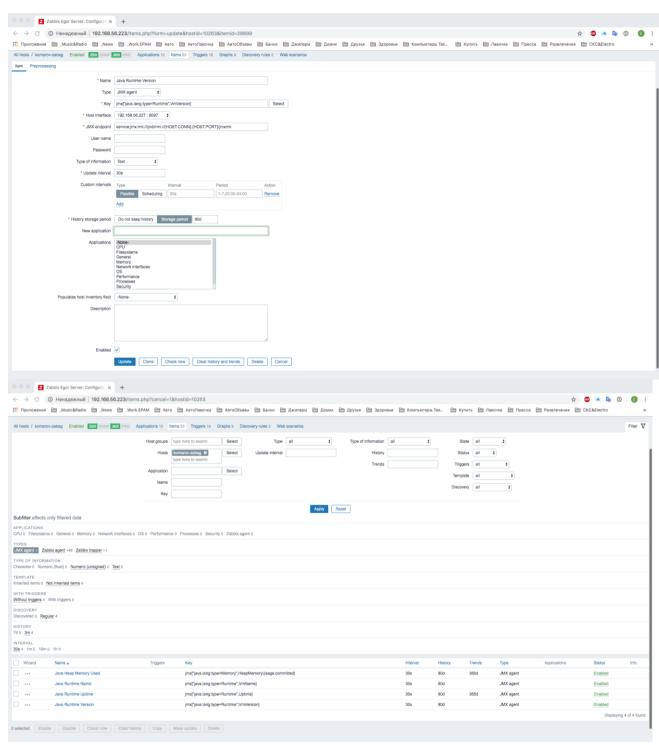
jmx["java.lang:type=Runtime",VmVersion]

jmx["java.lang:type=Runtime",VmName]

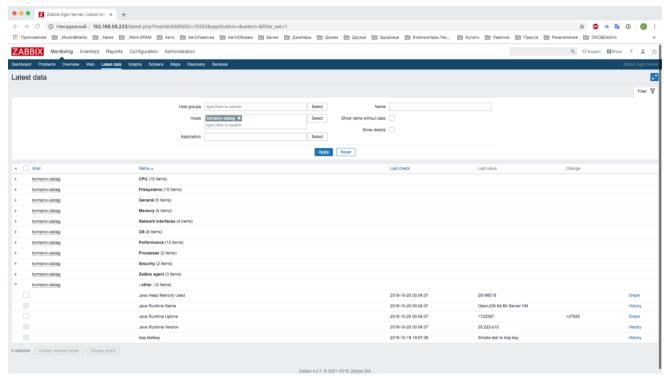
jmx["java.lang:type=Runtime",Uptime]





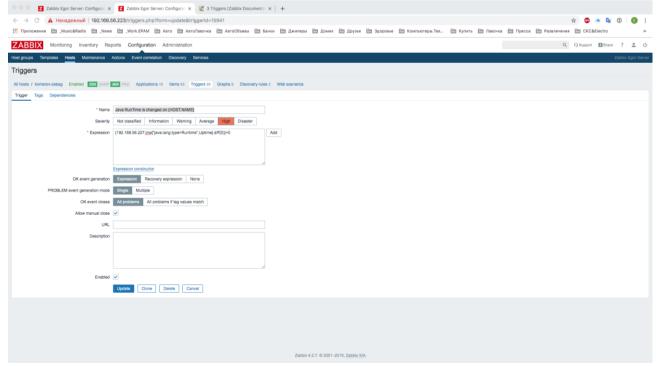


See data from komarov-zabag host:

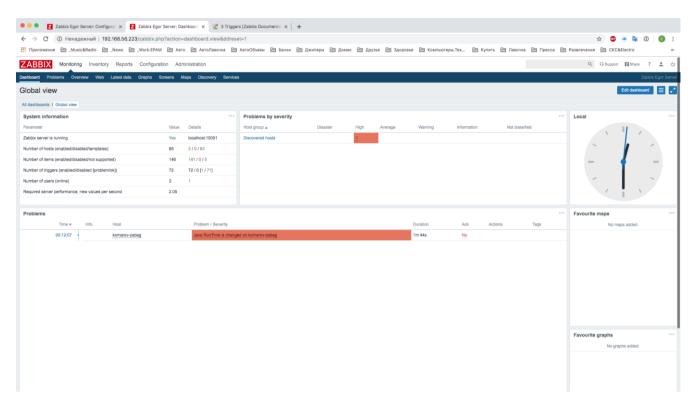


2. Configure triggers to alert once these parameters changed.

Java RunTime is changed on {HOST.NAME} (for example):



See the trigger configured:



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