

EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.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

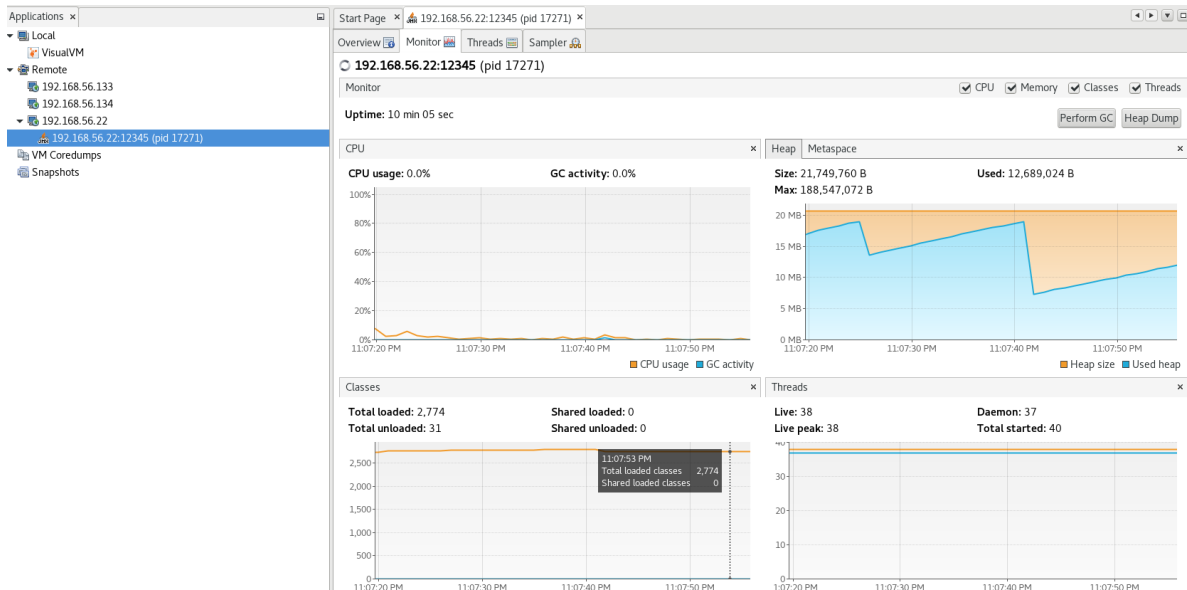
Task:

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

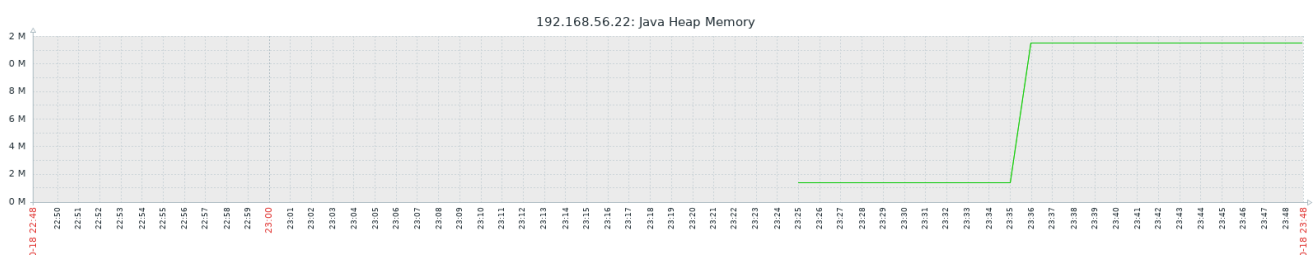


Tasks:

1. Configure Zabbix to examine Java parameters via Java Gateway (<http://jmxmonitor.sourceforge.net/jmx.html>)
2. Configure triggers to alert once these parameters changed.

192.168.56.22		- other - (4 items)						
<input type="checkbox"/>	Java Heap Memory <code>jmx["java.lang:type=Memory".HeapMemoryUsage.co...</code>	1m	90d	365d	JMX agent	2019-10-18 23:37:04	31510528	Graph
<input type="checkbox"/>	Java Uptime <code>jmx["java.lang:type=Runtime".Uptime]</code>	1m	90d	365d	JMX agent	2019-10-18 23:37:04	1345698	+60151 Graph
<input type="checkbox"/>	Java VmName <code>jmx["java.lang:type=Runtime".VmName]</code>	10s	90d		JMX agent	2019-10-18 23:37:34	OpenJDK 64-Bit Server VM	History
<input type="checkbox"/>	Java VmVersion <code>jmx["java.lang:type=Runtime".VmVersion]</code>	10s	90d		JMX agent	2019-10-18 23:37:34	25.222-b10	History

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



100 busiest triggers

From

now-1h

To

now

Apply

Last 2 days

Last 7 days

Last 30 days

Last 3 months

Last 6 months

Last 1 year

Last 2 years

Yesterday

Day before yesterday

This day last week

Previous week

Previous month

Previous year

Today

Today so far

This week

This week so far

This month

This month so far

This year

This year so far

Last 5 minutes

Last 15 minutes

Last 30 minutes

Last 1 hour

Last 3 hours

Last 6 hours

Last 12 hours

Last 1 day

Problems

Time	Info	Host	Problem • Severity	Duration	Ack	Actions	Tags
23:47:04		192.168.56.22	Java Heap Trigger	6m 10s	No		