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.

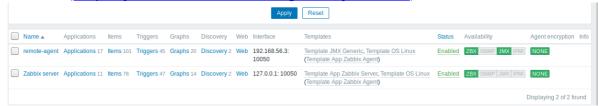
Testing Infrastructure:

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:

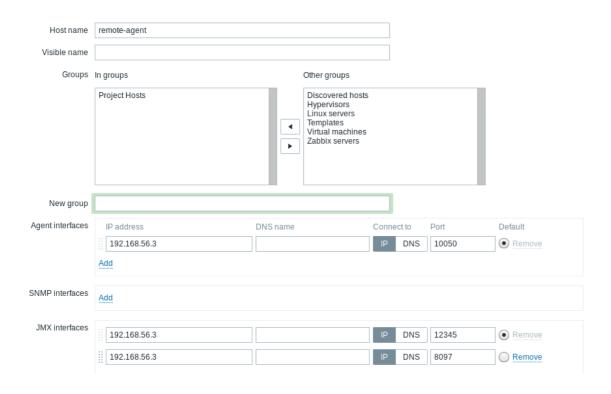
 Configure Zabbix to examine Java parameters via Java Gateway (http://jmxmonitor.sourceforge.net/jmx.html)



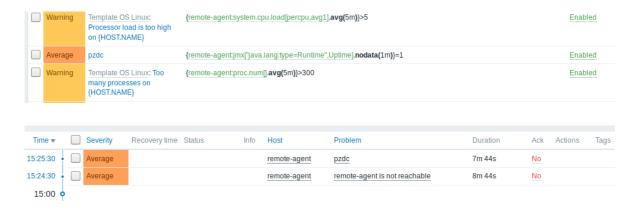
```
[root@localhost vagrant]# ll /opt/tomcat/lib | grep catalina
-rw-r---- 1 tomcat tomcat 54239 Feb 4 16:31 catalina-ant.jar
-rw-r---- 1 tomcat tomcat 122496 Feb 4 16:31 catalina-ha.jar
-rw-r---- 1 tomcat tomcat 1689198 Feb 4 16:31 catalina.jar
-rw-r---- 1 tomcat tomcat 13521 Oct 7 2015 catalina-jmx-remote.jar
-rw-r---- 1 tomcat tomcat 78152 Feb 4 16:31 catalina-storeconfig.jar
-rw-r---- 1 tomcat tomcat 345522 Feb 4 16:31 catalina-tribes.jar
```

```
JavaGateway=192.168.56.2
JavaGatewayPort=10052
StartJavaPollers=5
```

```
r" />
<Listener className="org.apache.catalina.mbeans.JmxRemoteLifecycleListener" rmiR
egistryPortPlatform="8097" rmiServerPortPlatform="8098" />
<Las Global INDI resources</pre>
```



2. Configure triggers to alert once these parameters changed.



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