Task. Web Monitoring with Zabbix

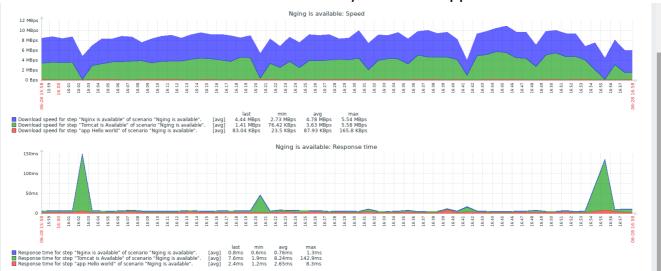
Testing Infrastructure:

Vagrantfile to spin up 2 VMs (virtualbox):

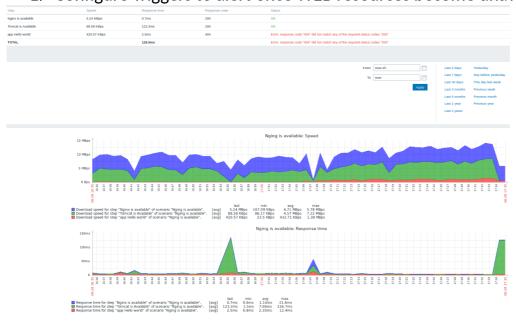
- zabbix server, provisioned by Vagrant provisioner
- Zabbix agents on both VMs, provisioned by Vagrant provisioner
- Install Tomcat 7 on 2nd VM, deploy any "hello world" application

Tasks:

- 1. Configure WEB check:
 - Scenario to test Tomcat availability as well as Application heath



2. Configure Triggers to alert once WEB resources become unavailable



Task. Java Monitoring with Java

Task:

You should install and configure Zabbix server and agents.

Testing Infrastructure:

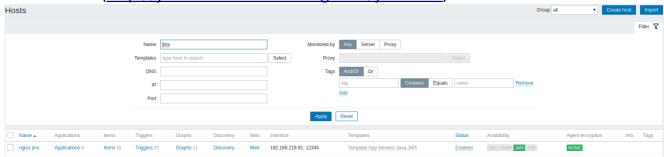
Vagrantfile to spin up 2 VMs (virtualbox):

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

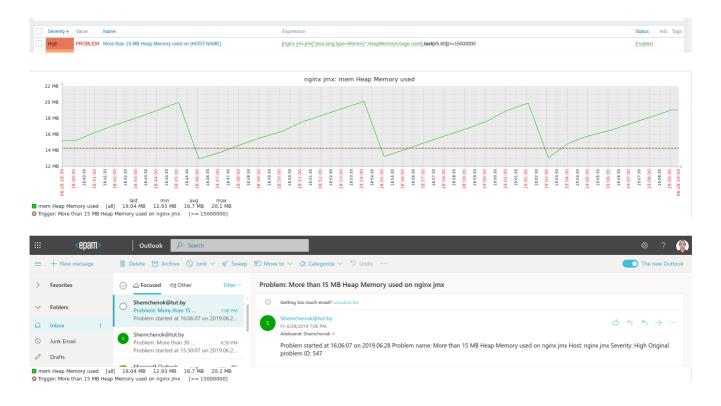
Tasks:

Configure Zabbix to examine Java parameters via Java Gateway

(http://jmxmonitor.sourceforge.net/jmx.html)



Configure triggers to alert once these parameters changed.



Task. Zabbix API

Task:

You should develop a script (on Python 2.x) which registers given host in Zabbix.

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

Registering Script requirements:

Written on Python 2.x

Starts at VM startup or on provision phase

Host registered in Zabbix server should have Name = Hostname (not IP)

Host registered in Zabbix server should belong to "CloudHosts" group

Host registered in Zabbix server should be linked with Custom template

This script should create group "CloudHosts" id it doesn't exist

