EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.Zabbix.WEB

REVISION HISTORY					
				Approved	
Ver.	Description of Change	Author	Date	Name	Effective Date
1.0	Initial Version	Siarhei Beliakou	23/May/2017		

Task. Web Monitoring with Zabbix

Testing Infrastructure:
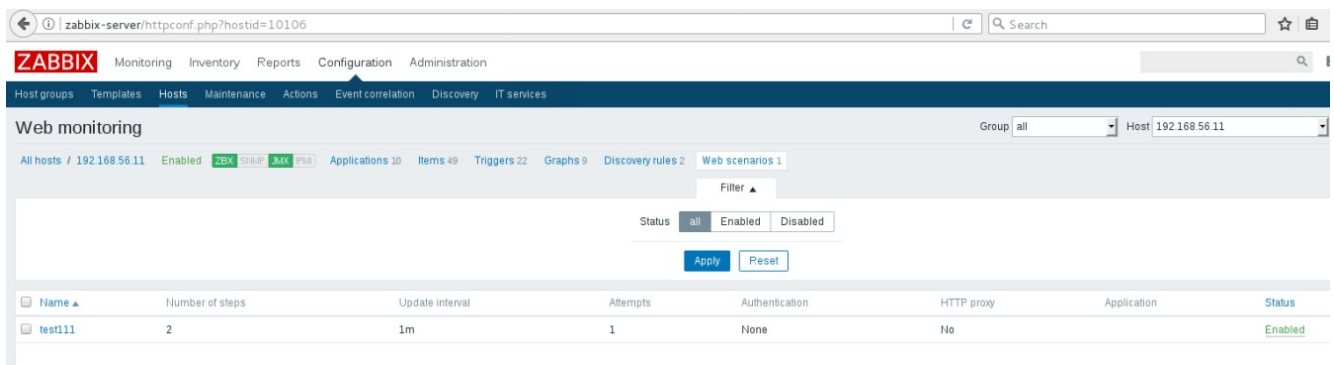Vagrantfile to spin up 2 VMs (virtualbox):
- zabbix server, provisioned by Vagrant provisioner
- Zabbix agents on both VMs, provisioned by Vagrant provisioner
- Install Tomcat 7 on 2nd VM, deploy any "hello world" application

Tasks:
1. Configure WEB check:
   - Scenario to test Tomcat availability as well as Application heath
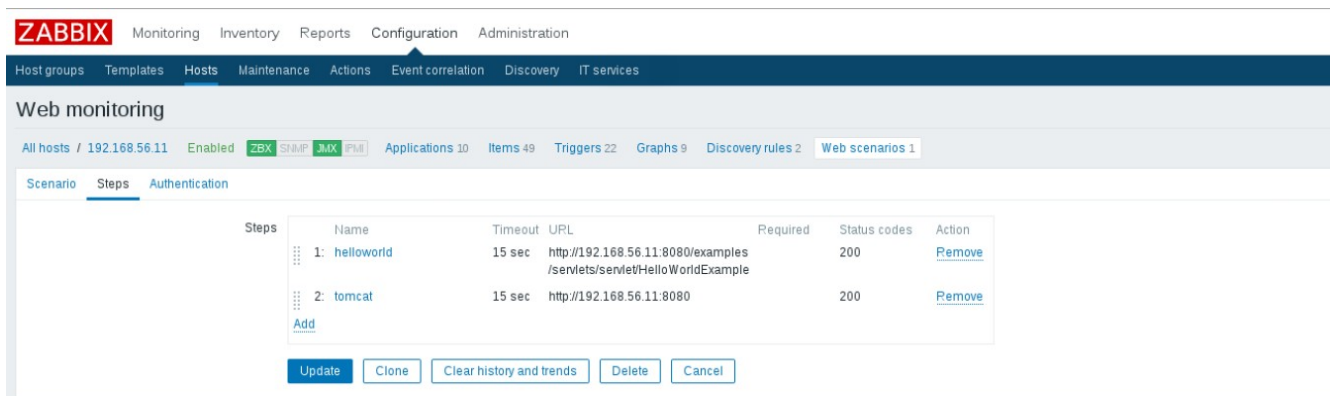2. Configure Triggers to alert once WEB resources become unavailable

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

 # Configure web-scenario and new trigger

ZABBIX   Monitoring   Inventory   Reports   Configuration   Administration

Host groups   Templates   **Hosts**   Maintenance   Actions   Event correlation   Discovery   IT services

Triggers

All hosts / 192.168.56.11   Enabled   ZBX SNMP JMX IPMI   Applications 10   Items 49   Triggers 22   Graphs 9   Discovery rules 2   Web scenarios 1

Trigger   Dependencies

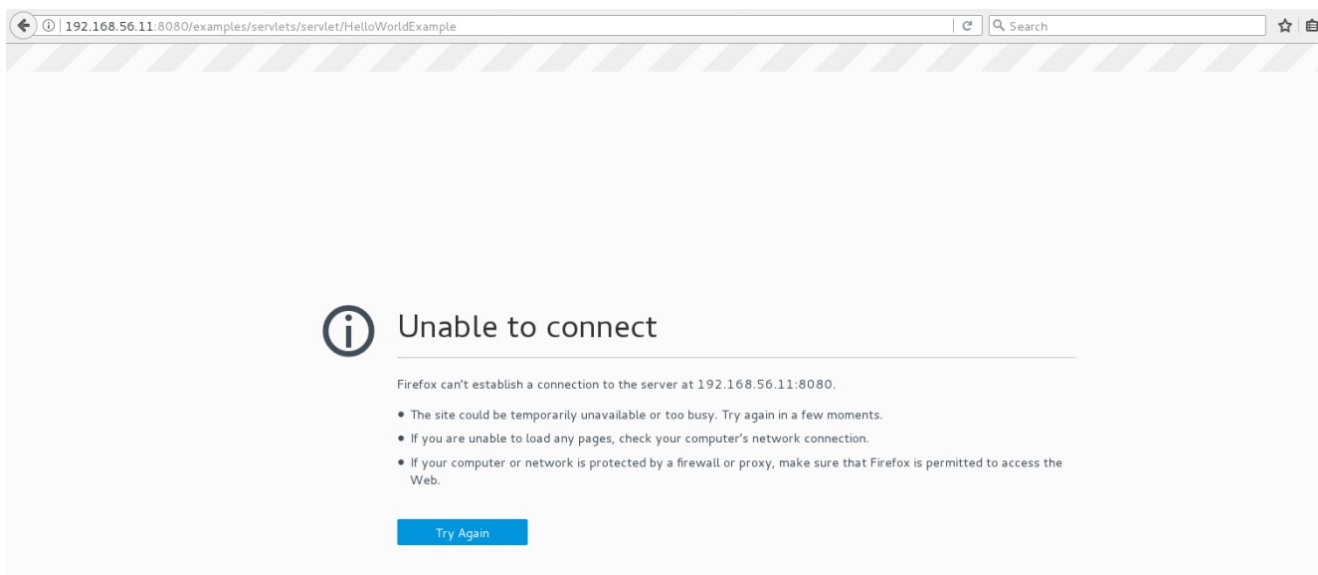|	
Name	helloworld_trigger
Severity	Not classified | Information | Warning | Average | High | Disaster
Expression	{192.168.56.11:web.test.fail[test111].last(0)}>0 [Add]

Expression constructor

OK event generation   Expression \| Recovery expression \| None

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192.168.56.11:8080/examples/servlets/servlet/HelloWorldExample

Hello World!

 # Stop tomcat and check status

```
[root@host-agent1 vagrant]# ls /var/lib/tomcat/webapps/examples/servlets/
chat/          cookies.html     helloworld.html  images/          index.html       reqheaders.html  reqinfo.html     reqparams.html   sessions.html
[root@host-agent1 vagrant]# systemctl stop tomcat
[root@host-agent1 vagrant]#
```

192.168.56.11:8080/examples/servlets/servlet/HelloWorldExample   Search

(i) Unable to connect

Firefox can't establish a connection to the server at 192.168.56.11:8080.

- The site could be temporarily unavailable or too busy. Try again in a few moments.
- If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the Web.

[Try Again]

Last 20 issues

Host	Issue	Last change	Age	Info	Ack	Actions
192.168.56.11	helloworld_trigger	2017-07-25 19:15:11	10s		No	
192.168.56.11	trig_jmx	2017-07-25 15:38:37	3h 36m 44s		No	
192.168.56.11	Heap Memory Trigger	2017-07-25 15:35:36	3h 39m 45s		No	
Zabbix server	Zabbix agent on Zabbix server is unreachable for 5 minutes	2017-07-25 14:34:30	4h 40m 51s		No	
Zabbix server	Zabbix discoverer processes more than 75% busy	2017-07-25 14:29:35	4h 45m 46s		No	

5 of 5 issues are shown   Updated: 19:15:21