

EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.Zabbix.WEB

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. 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 health

8080 Simple check

* Name

Type

* Key

* Host interface

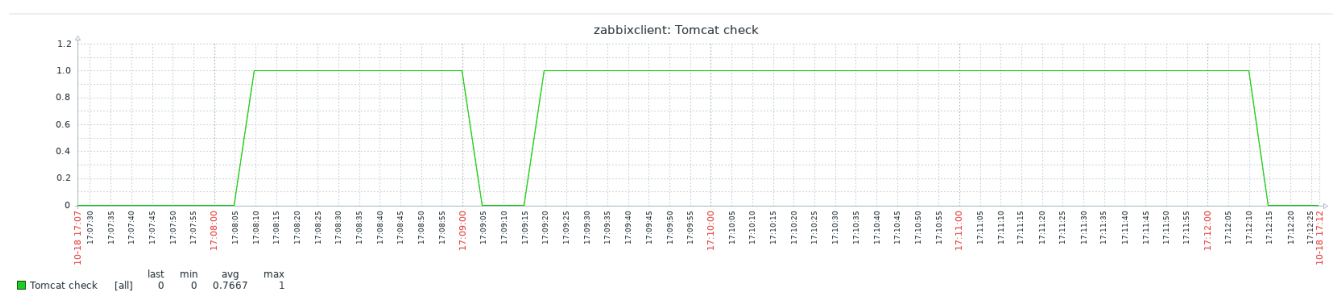
User name

Password

Type of information

Units

* Update interval



Web monitoring for clusterjsp.war

Steps

1: Tomcat health

15s

http://192.168.56.156:8080/clusterjsp/

Required

Status codes

Remove

Add

Update

Clone

Clear history and trends

Delete

Cancel

Web monitoring

Group all

Host zabbixclient

Create web scenario

All hosts / zabbixclient Enabled ZBX SNMP JMX IPMI Applications 1 Items 1 Triggers Graphs Discovery rules 2 Web scenarios 1

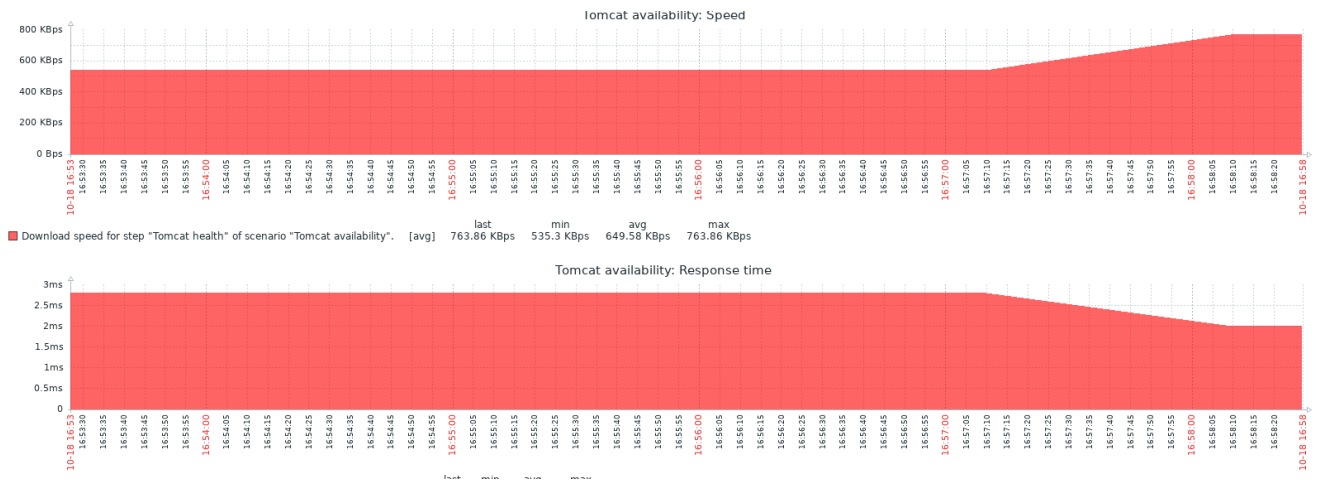
Filter

Status all Enabled Disabled

Apply Reset

Name	Number of steps	Interval	Attempts	Authentication	HTTP proxy	Application	Status	Info
Tomcat availability	1	1m	1	None	No		Enabled	

Displaying 1 of 1 found



2. Configure Triggers to alert once WEB resources become unavailable

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

* Name

Severity

* Expression

[Expression constructor](#)

OK event generation

ROBLEM event generation mode

OK event closes

Allow manual close ☐

URL

Description

Problems

Time ▼	Info	Host	Problem • Severity	Duration	Ack	Actions	Tags
17:21:25		zabbixclient	Tomcat unavailable	18s	No		