

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 2<sup>nd</sup> VM, deploy any “hello world” application

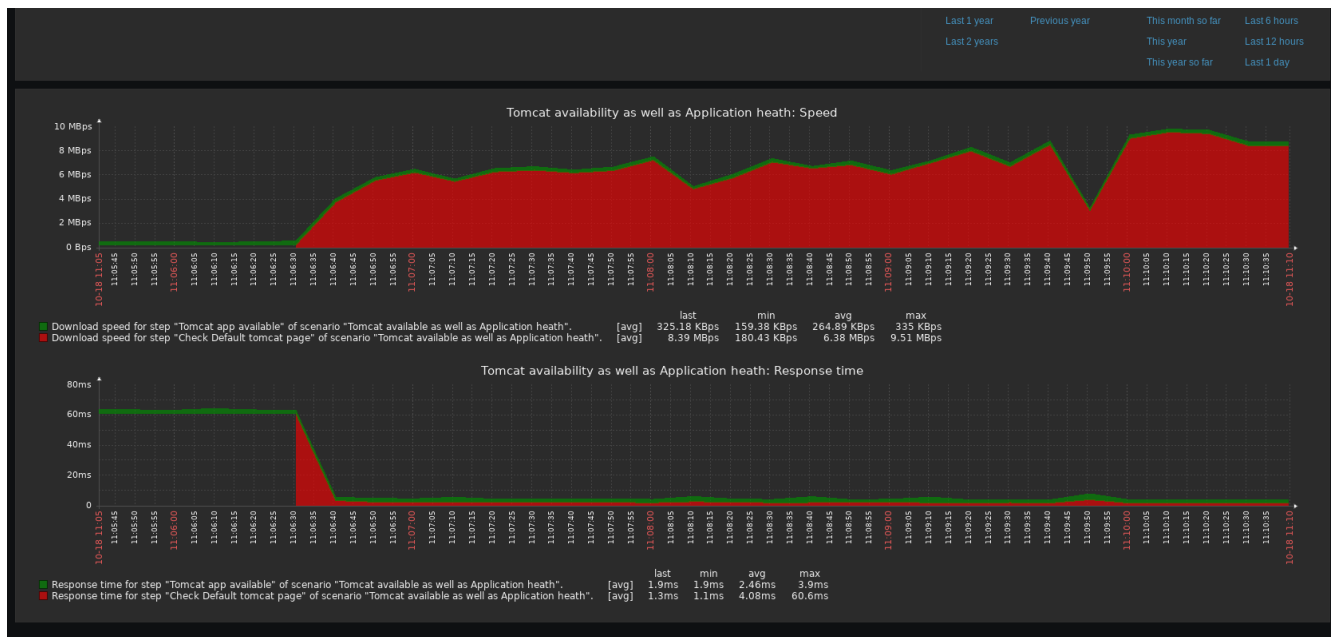
### Tasks:

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

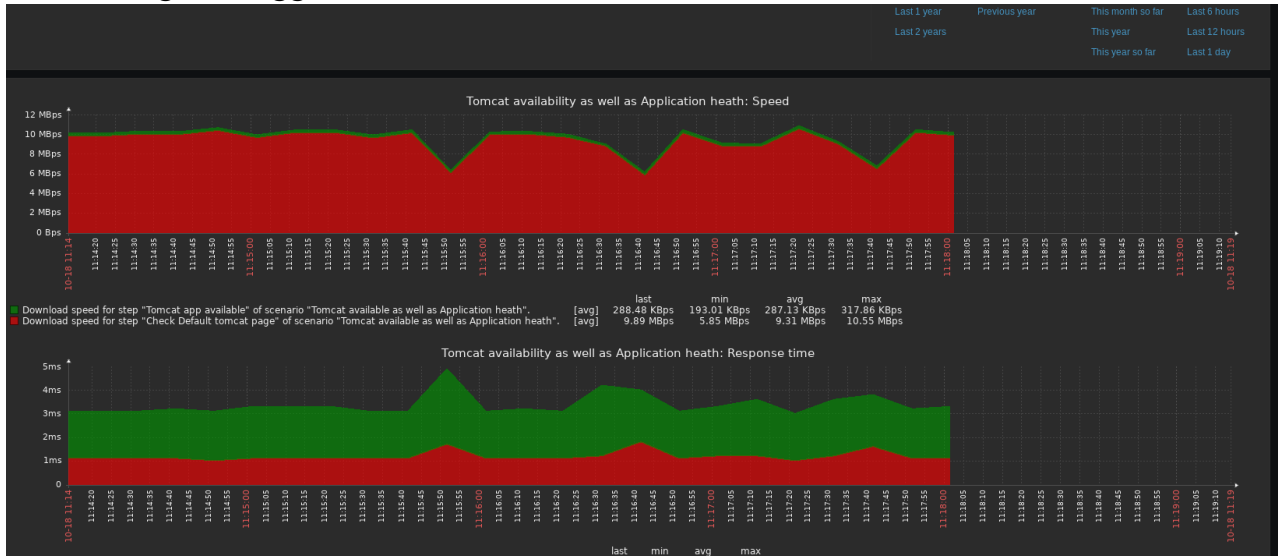
The screenshot shows the Zabbix 'Web scenarios' configuration page. The 'Steps' tab is active, displaying a list of two steps:

Name	Timeout	URL	Required	Status codes	Action
1: Tomcat available via web	15s	http://192.168.56.142:8080/sample		200	<a href="#">Remove</a>
2: Check Default tomcat page	15s	http://192.168.56.142:8080		200	<a href="#">Remove</a>

Buttons at the bottom include: Update, Clone, Clear history and trends, Delete, and Cancel.



## 2. Configure Triggers to alert once WEB resources become unavailable



Number of users (online)		<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>							
Required server performance, new values per second		3.85							
Problems									
Time ▾	Info	Host	Problem • Severity			Duration	Ack	Actions	Tags
11:20:33		Zabbix server	Problem with available apps			6s	No		
11:04:04		zagent	Smb use my app			16m 35s	No		

For both VMs use vagrant box "sbeliakou/centos-7.3-x86\_64-minimal"