EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.Zabbix.Items
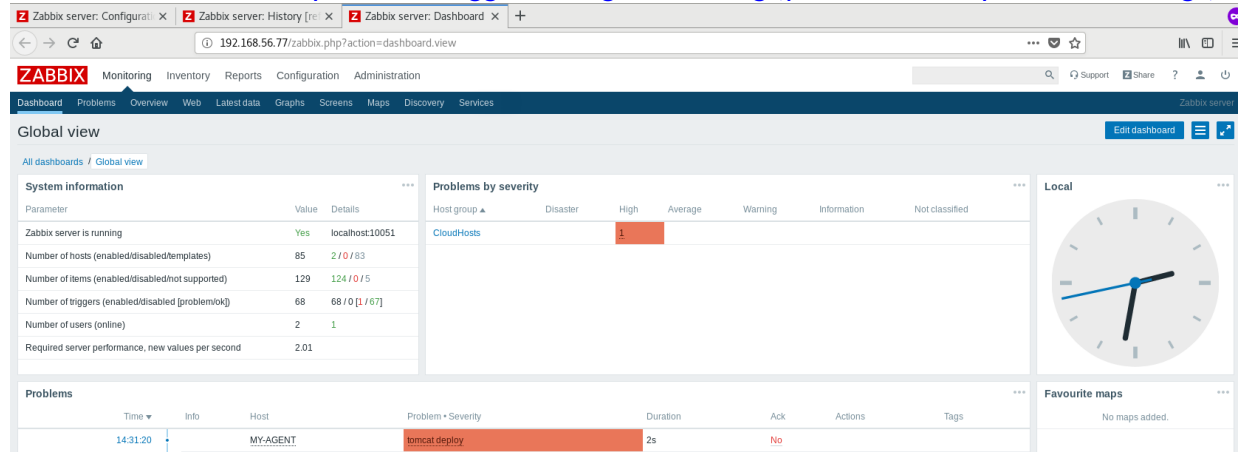
REVISION HISTORY					
Ver.	**Description of Change**	**Author**	**Date**	**Approved**	
				Name	**Effective Date**
1.0	Initial Version	Siarhei Beliakou	23/May/2017		
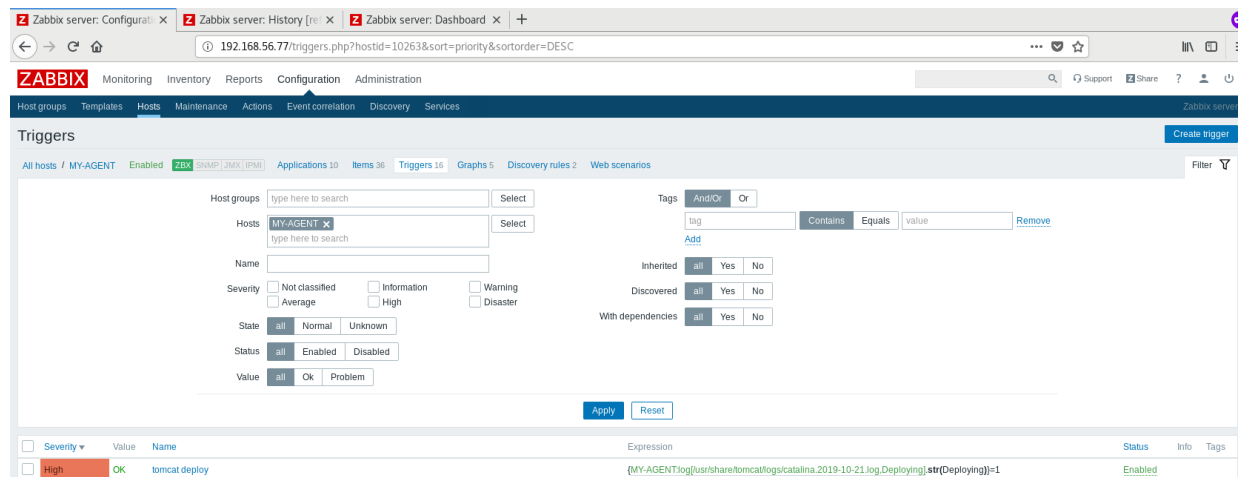
Task. Items

Create item and develop custom trigger for log monitoring (you can use httpd or tomcat logs)

Task:

Assuming we have 2 servers (VMs) – ZabbixServer and Tomcat,
Configure:
1. Simple checks:
   - Zabbix Server WEB availability (80) (I did it in previous lab)
   - Zabbix DB is available (3306)

- Tomcat availability (80, 8080)
- Tomcat Server is available by ssh (22)

2. Calculated Checks:
   - CPU Load per Core (1, 5, 15min)

last("system.cpu.load[,avg1]")/last("system.cpu.num")

last("system.cpu.load[,avg5]")/last("system.cpu.num")
last("system.cpu.load[,avg15]")/last("system.cpu.num")

3. **Internal Checks:**
   • How many items are enabled

Browser tabs: Zabbix server: Configuration | Zabbix server: Latest data | Zabbix server: Dashboard

① 192.168.56.77/latest.php?ddreset=1&sort=lastclock&sortorder=DESC

ZABBIX   Monitoring   Inventory   Reports   Configuration   Administration

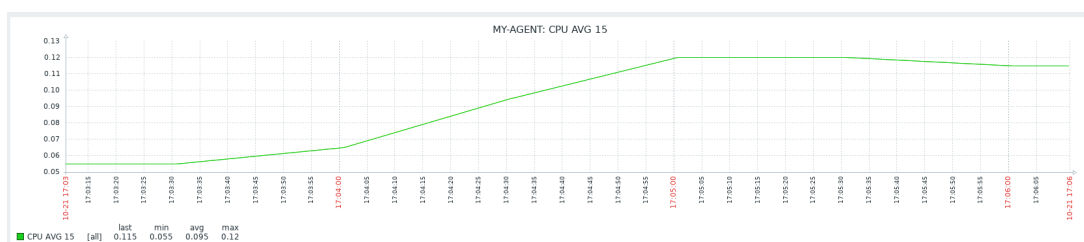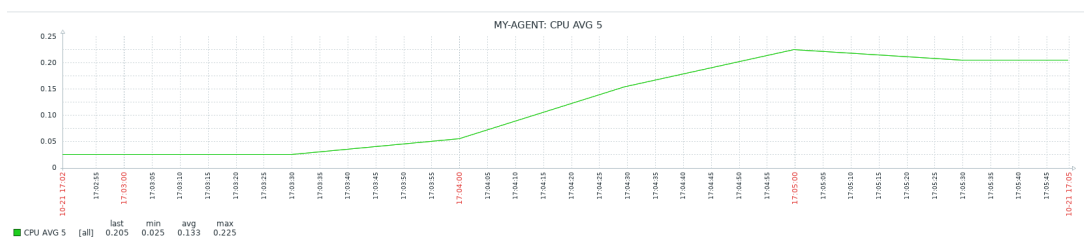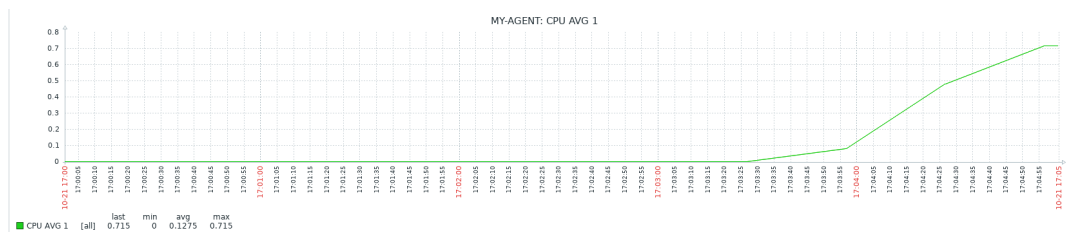Dashboard   Problems   Overview   Web   Latest data   Graphs   Screens   Maps   Discovery   Services

Latest data

Filter

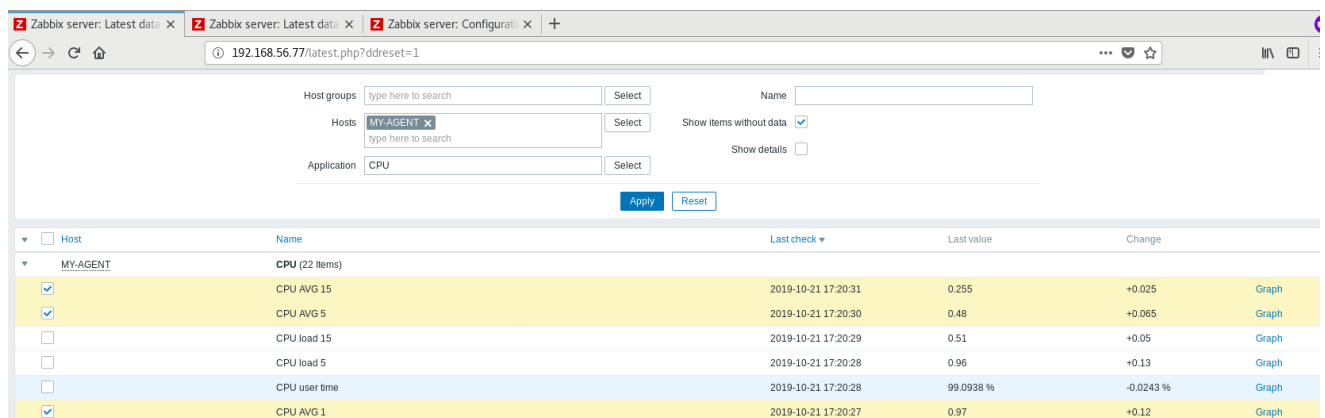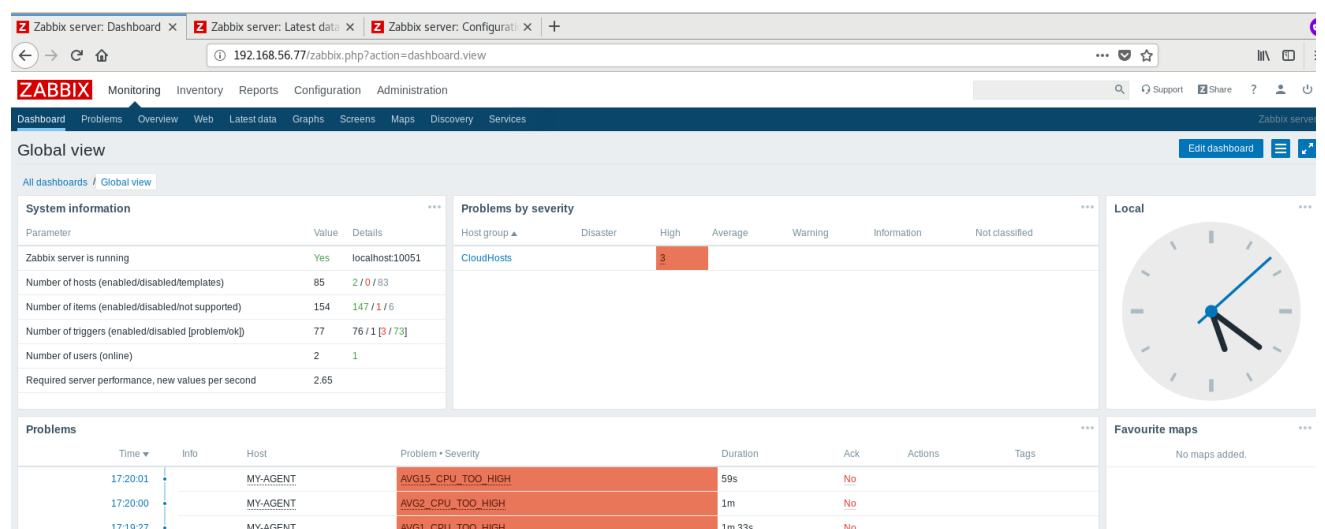|			
Host groups	type here to search	Select	Name
Hosts	Zabbix server ✕	Select	Show items without data ✓
	type here to search		Show details
Application	Zabbix server	Select	

Apply   Reset

	Host	Name	Last check ▼	Last value	Change	
▼	Zabbix server	**Zabbix server** (48 Items)				
		Zabbix value cache operating mode	2019-10-21 15:35:22	Normal (0)		Graph
		Servers are being monitored	2019-10-21 15:35:21	2		Graph
✓		Inabled items on zabbix server	2019-10-21 15:35:20	95		Graph

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① 192.168.56.77/zabbix.php?action=dashboard.view

ZABBIX   Monitoring   Inventory   Reports   Configuration   Administration

Dashboard   Problems   Overview   Web   Latest data   Graphs   Screens   Maps   Discovery   Services

Global view

All dashboards / Global view

Edit dashboard

System information

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled/templates)	85	2 / 0 / 83
Number of items (enabled/disabled/not supported)	145	139 / 1 / 5
Number of triggers (enabled/disabled [problem/ok])	73	72 / 1 [1 / 71]
Number of users (online)	2	1
Required server performance, new values per second	2.35	

Problems by severity

Host group ▲	Disaster	High	Average	Warning	Information	Not classified
Zabbix servers		1				

Local

Problems

Time ▼	Info	Host	Problem • Severity	Duration	Ack	Actions	Tags
15:25:00		Zabbix server	Few items on zabbix server available	2m 24s	No		

Favourite maps

No maps added.

- **How many Servers are being monitored**

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① 192.168.56.77/latest.php?ddreset=1&sort=lastclock&sortorder=DESC

ZABBIX   Monitoring   Inventory   Reports   Configuration   Administration

Dashboard   Problems   Overview   Web   Latest data   Graphs   Screens   Maps   Discovery   Services

Latest data

Filter

Host groups	type here to search	Select	Name
Hosts	Zabbix server ✕	Select	Show items without data ✓
	type here to search		Show details
Application	Zabbix server	Select	

Apply   Reset

	Host	Name	Last check ▼	Last value	Change	
▼	Zabbix server	**Zabbix server** (48 Items)				
		Zabbix value cache operating mode	2019-10-21 15:35:22	Normal (0)		Graph
✓		Servers are being monitored	2019-10-21 15:35:21	2		Graph

Create triggers for every check