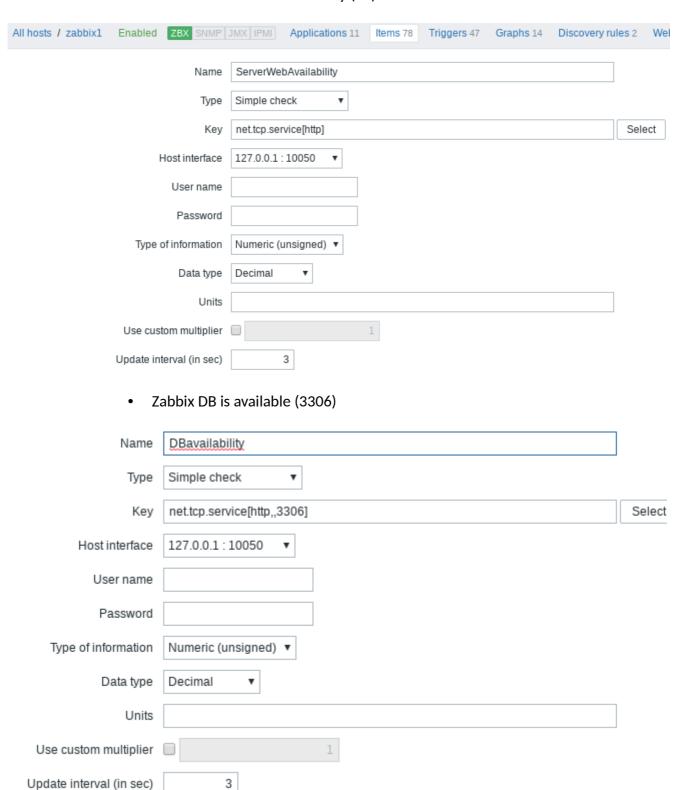
Task. Items

Task:

Assuming we have 2 servers (VMs) – ZabbixServer and Tomcat. Configure:

- 1. Simple checks:
 - Zabbix Server WEB availability (80)



Tomcat availability (80, 8080)

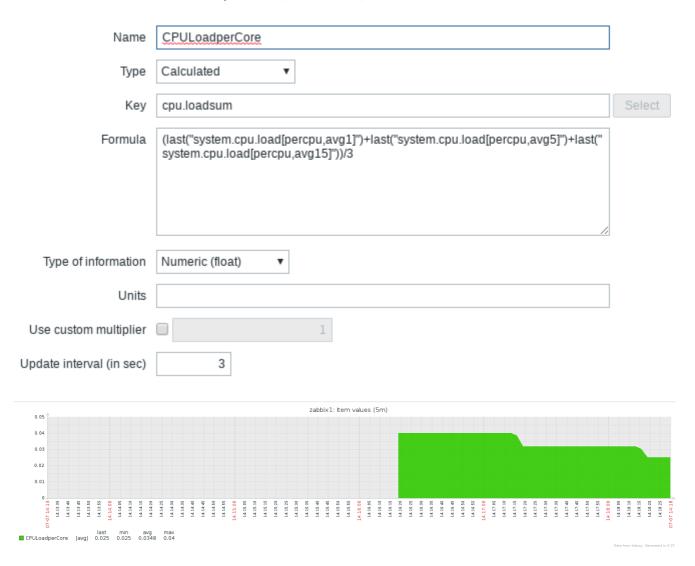
Nan	ne TomcatAvailability80	
Тур	pe Simple check ▼	
Ke	ey net.tcp.service[http,192.168.33.12,80]	Select
Host interfac	ce 127.0.0.1:10050 ▼	
User nan	ne	
Passwo	rd	
Type of information	on Numeric (unsigned) ▼	
Data typ	pe Decimal ▼	
Uni	its	
Use custom multipli	er 1	
Update interval (in se	c) 3	
Name	TomcatAvailability8080	
Туре	Simple check ▼	
Key	net.tcp.service[tcp,192.168.33.12,8080]	Select
Host interface	127.0.0.1:10050 v	
User name		
Password		
Type of information	Numeric (unsigned) ▼	
Data type	Decimal ▼	
Units		
Use custom multiplier		

• Tomcat Server is available by ssh (22)

Name	SSHavailability	
Туре	Simple check ▼	
Key	net.tcp.service[ssh]	Select
Host interface	127.0.0.1:10050 ▼	
User name		
Password		
Type of information	Numeric (unsigned) ▼	
Data type	Decimal ▼	
Units		
Use custom multiplier		
Update interval (in sec)	3	
	Graph type Normal Stacked	
Zoom: 5m 15m 30m 1h 2h 3h 6h 12h 1d 3d 7d 14d 1		2018-07-07 13:43 (nowl)
«« 1y 6m 1m 7d 1d 12h 1h 5m 5m 1h 12h 1d 7d 1		1h fixed
5 Å	zabbix1: kem values (1h)	
3		
2		
1		
7-07 12-49- 12-44- 12-48- 12-48- 12-5		13:39 13:40 13:41 13:42 13:43 07-07 13:43
ServerWebAvailability Serv		•

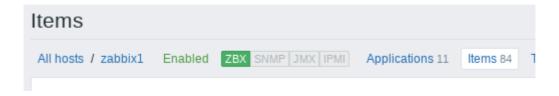
2. Calculated Checks:

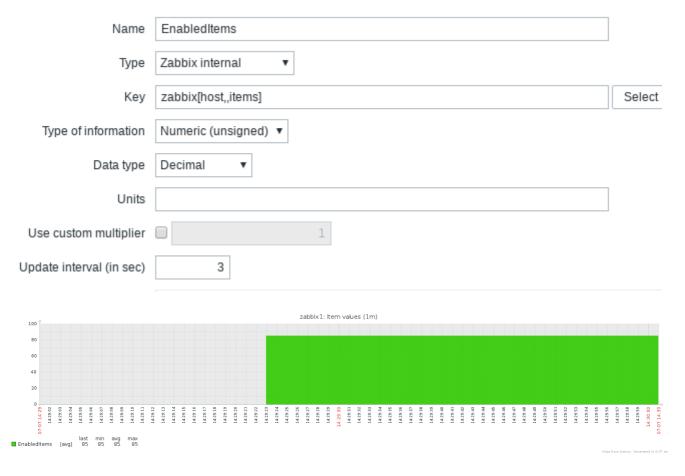
CPU Load per Core (1, 5, 15min)



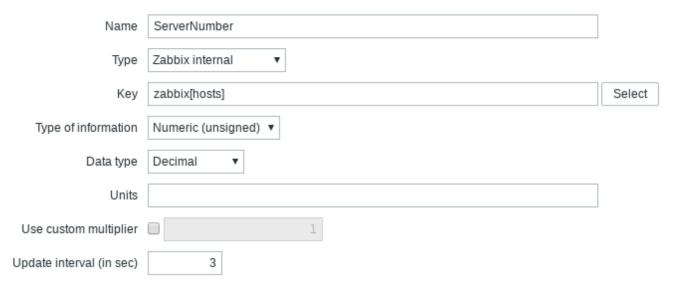
3. Internal Checks:

· How many items are enabled



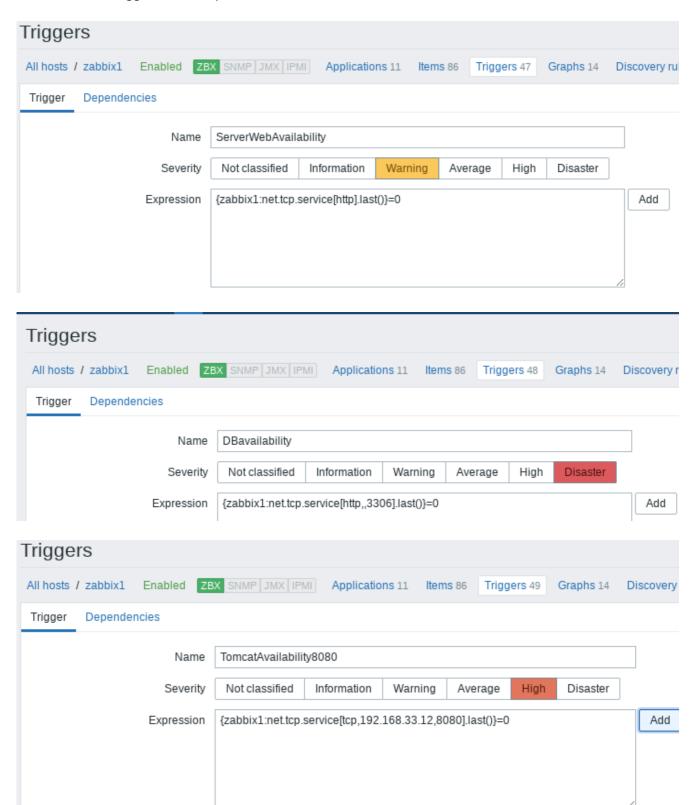


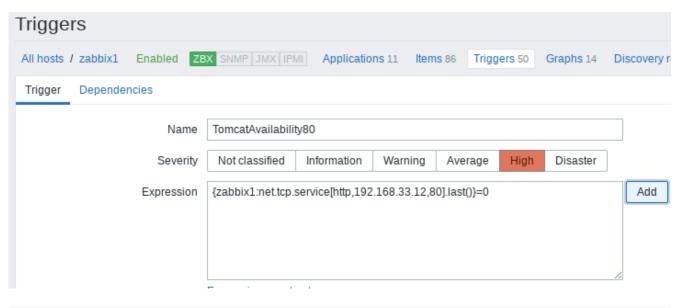
How many Servers are being monitored

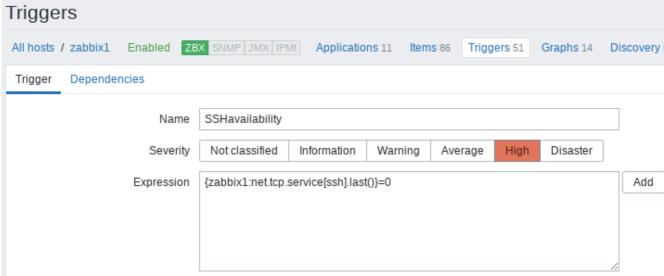


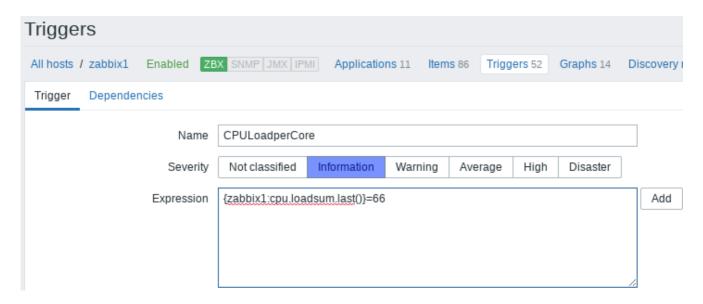


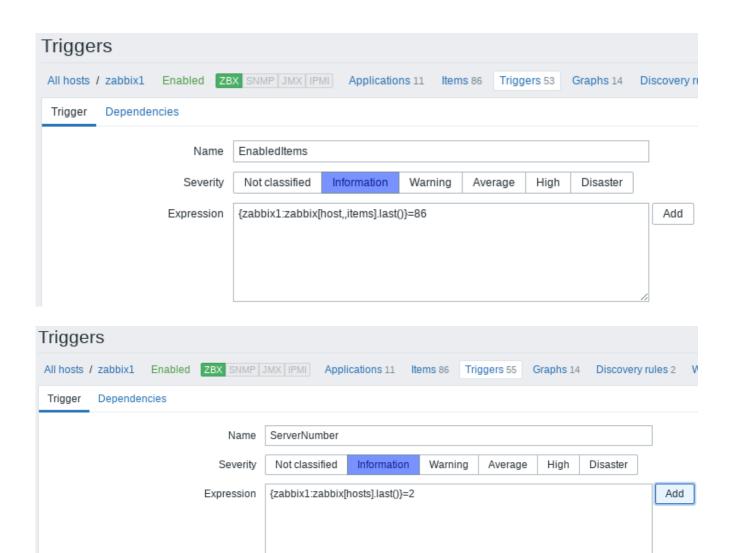
Create triggers for every check



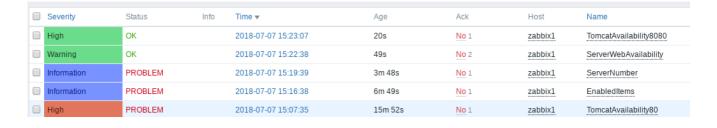






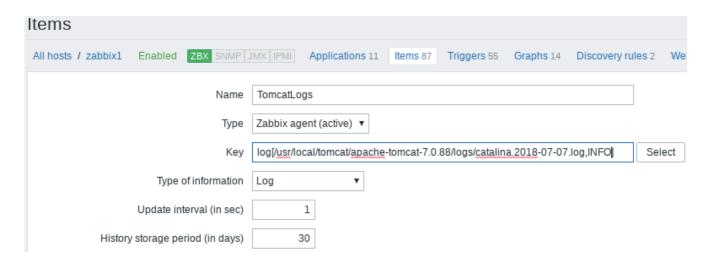


After stop/start httpd+Tomcat:



Task:

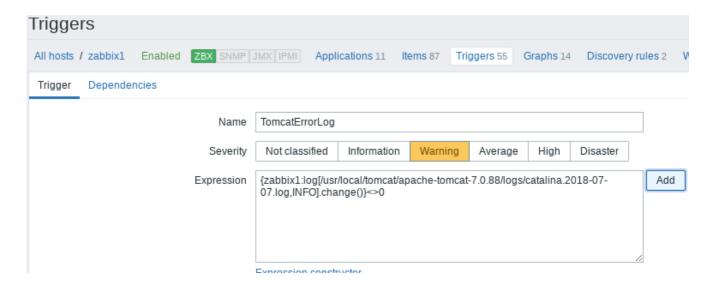
1. Create item and develop custom trigger for log monitoring (you can use httpd or tomcat logs)



After stop/start tomcat:

Timestem	Leadtine	Melus
Timestamp	Local time	
2018-07-07 16:36:22		INFO: Server startup in 767 ms
2018-07-07 16:36:22		INFO: Starting ProtocolHandler ["ajp-bio-8009"]
2018-07-07 16:36:22		INFO: Starting ProtocolHandler ["http-bio-8080"]
2018-07-07 16:36:22		INFO: Deployment of web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/manager has finished in 41 ms
2018-07-07 16:36:22		INFO: Deploying web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/manager
2018-07-07 16:36:22		INFO: Deployment of web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/host-manager has finished in 93 ms
2018-07-07 16:36:22		INFO: Deploying web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/host-manager
2018-07-07 16:36:22		INFO: Deployment of web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/examples has finished in 198 ms
2018-07-07 16:36:21		INFO: Deploying web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/examples
2018-07-07 16:36:21		INFO: Deployment of web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/docs has finished in 40 ms
2018-07-07 16:36:21		INFO: Deploying web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/docs
2018-07-07 16:36:21		INFO: Deployment of web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/ROOT has finished in 31 ms
2018-07-07 16:36:21		INFO: Deploying web application directory /usr/local/tomcat/apache-tomcat-7.0.88/webapps/ROOT
2018-07-07 16:36:21		INFO: Deployment of web application archive /usr/local/tomcat/apache-tomcat-7.0.88/webapps/clusterjsp.war has finished in 270 ms $\frac{1}{2}$
2018-07-07 16:36:21		INFO: Deploying web application archive /usr/local/tomcat/apache-tomcat-7.0.88/webapps/clusterjsp.war
2018-07-07 16:36:21		INFO: Starting Servlet Engine: Apache Tomcat/7.0.88
2018-07-07 16:36:21		INFO: Starting service Catalina
2018-07-07 16:36:21		INFO: The JMX Remote Listener has configured the registry on port 8097 and the server on port 8098 for the Platform server
2018-07-07 16:36:21		INFO: Initialization processed in 388 ms
2018-07-07 16:36:21		INFO: Initializing ProtocolHandler ["ajp-bio-8009"]
2018-07-07 16:36:21		INFO: Initializing ProtocolHandler ["http-bio-8080"]

2. Create a trigger for errors in log file monitored by that item



After crashing Tomcat shutdown.sh:

