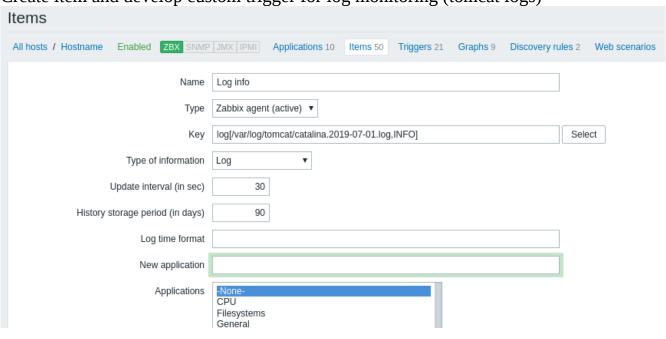
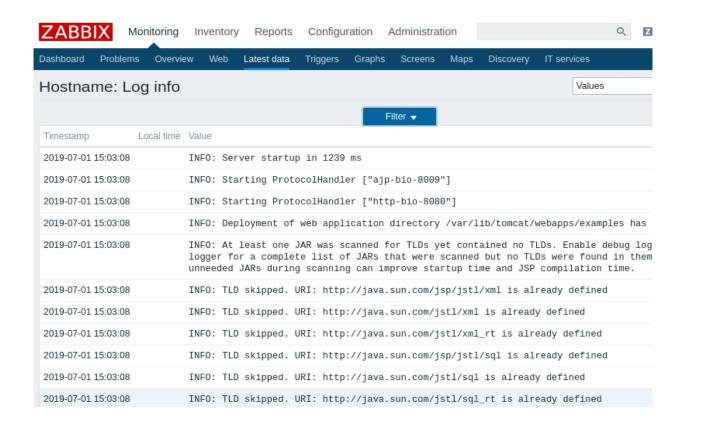
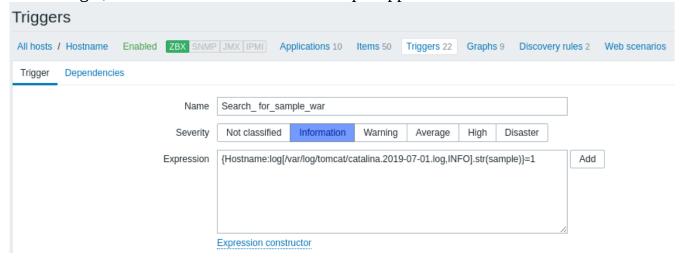
#### Task. Items

Create item and develop custom trigger for log monitoring (tomcat logs)



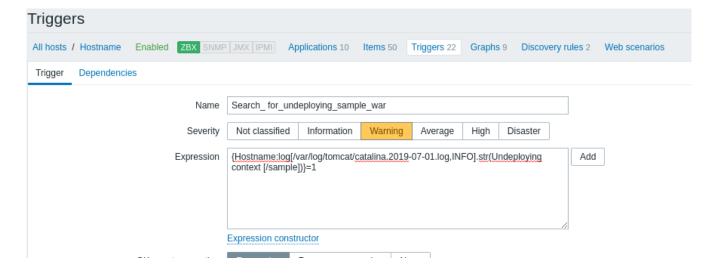


### Create triger, that shows information with sample application





# Create a trigger for undeploying sample.war event



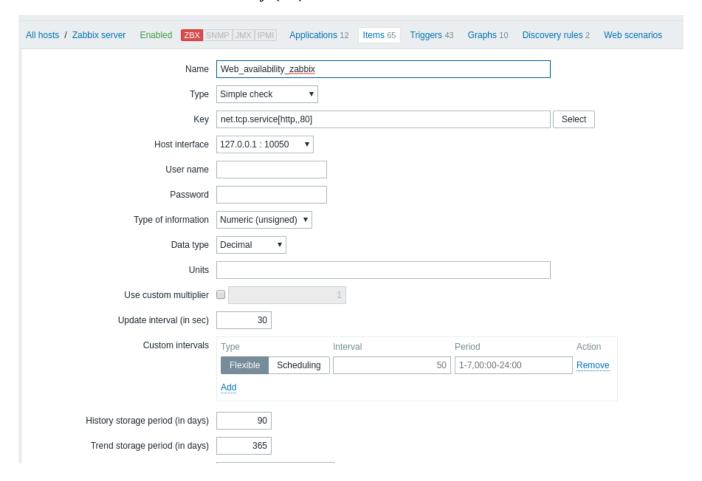
# Undeploy sample.war and have alert



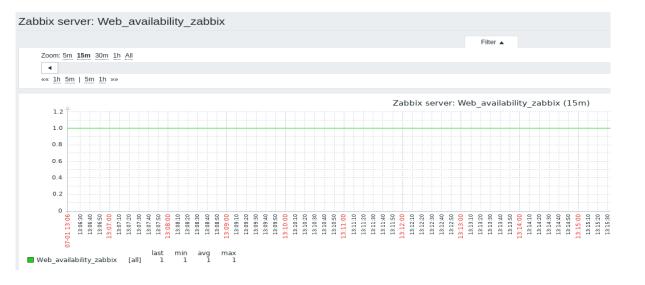
Task:

## Configure:

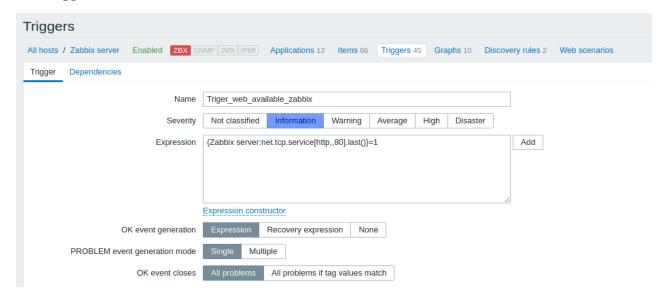
- 1. Simple checks:
- Zabbix Server WEB availability (80)

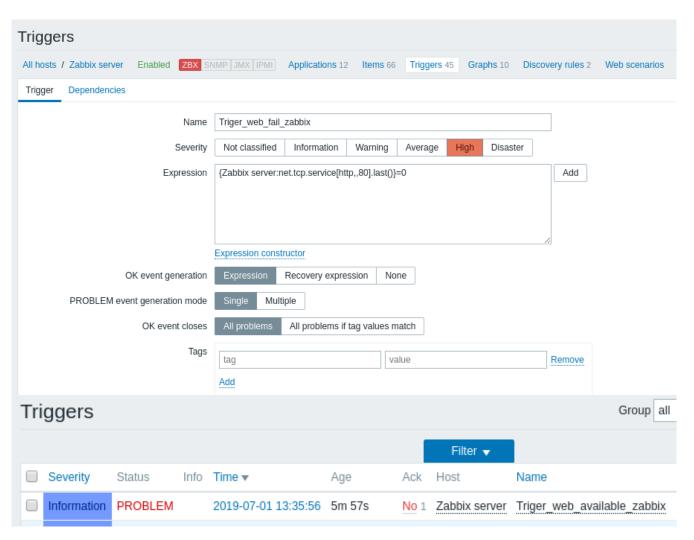


# Check the getting value of check

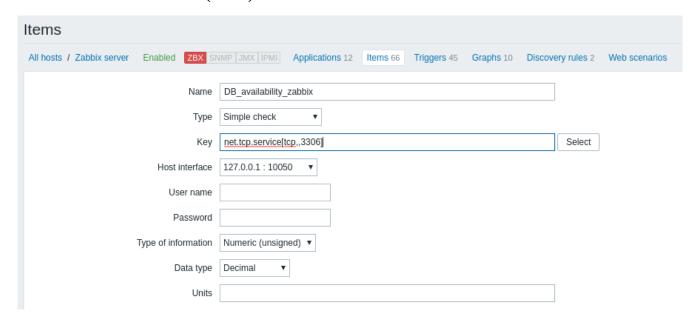


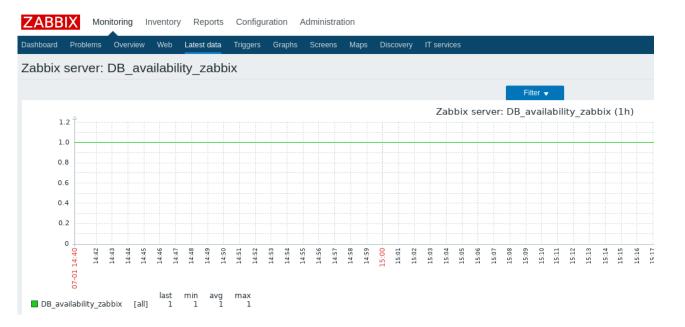
#### Create triggers

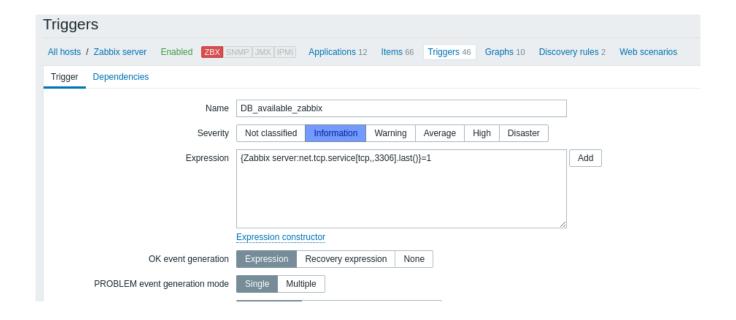


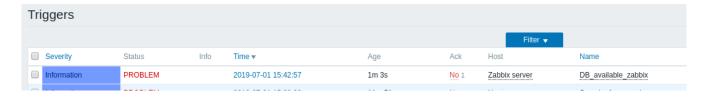


# • Zabbix DB is available (3306)

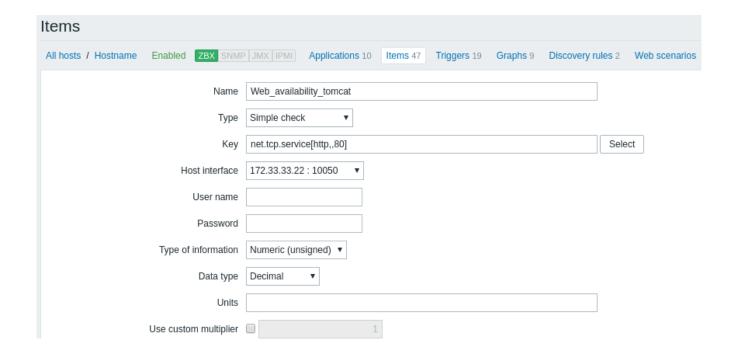




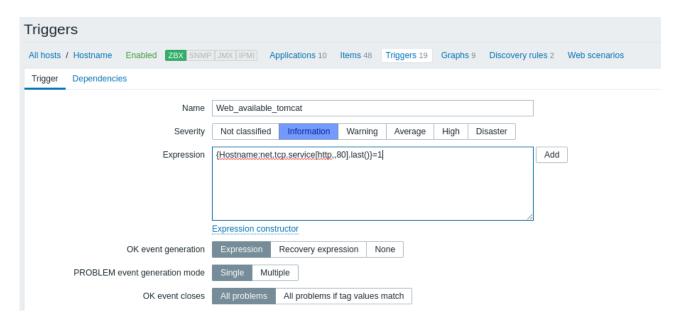




## • Tomcat availability (80)

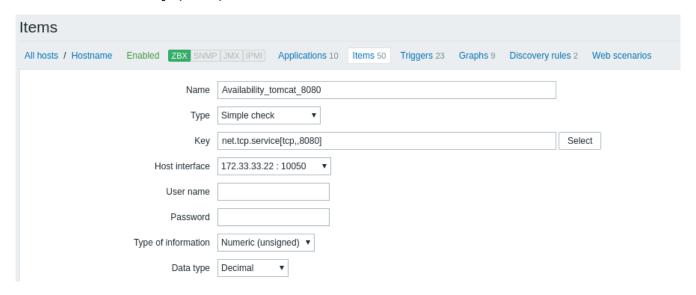




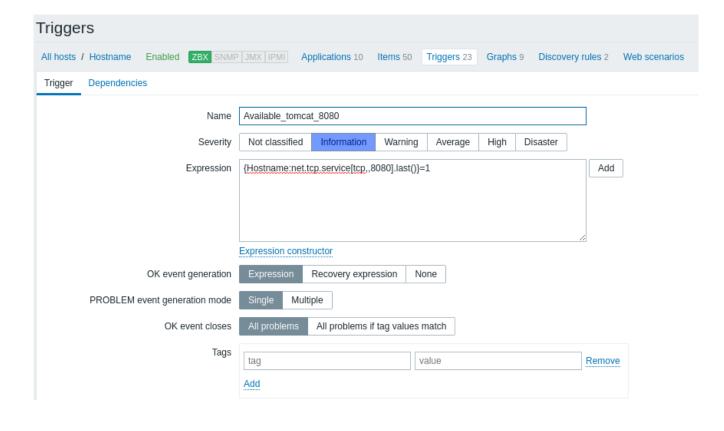




## • Tomcat availability (8080)

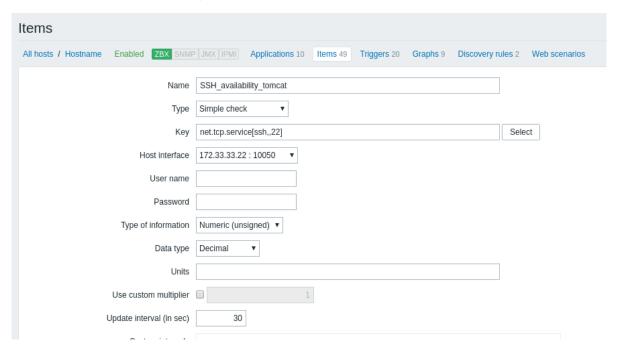




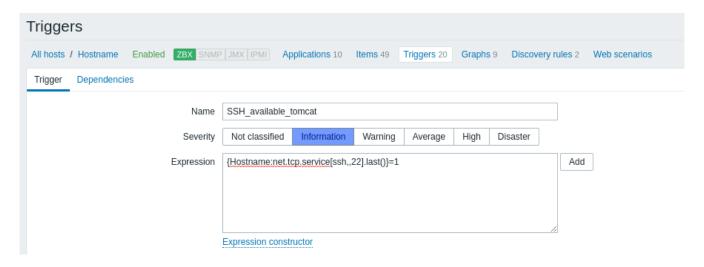




• Tomcat Server is available by ssh (22)







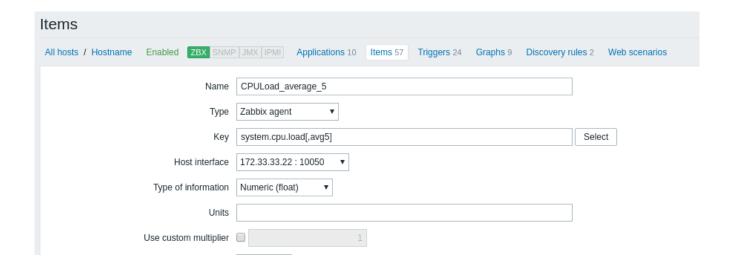


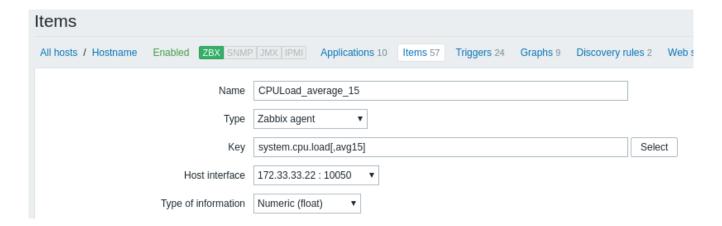
### 2. Calculated Checks:

• CPU Load per Core (1, 5, 15min)

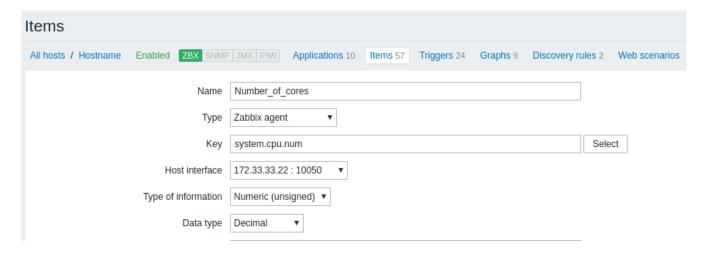
Create 3 items, that represent average CPU Load in 1,5,15 min

Items	
All hosts / Hostname Enabled ZBX SNMP	JMX IPMI Applications 10 Items 57 Triggers 24 Graphs 9 Discovery rules 2 Web scenarios
Name Type	CPULoad_average_1  Zabbix agent ▼
Key	system.cpu.load[,avg1] Select
Host interface	172.33.33.22:10050 ▼
Type of information	Numeric (float) ▼

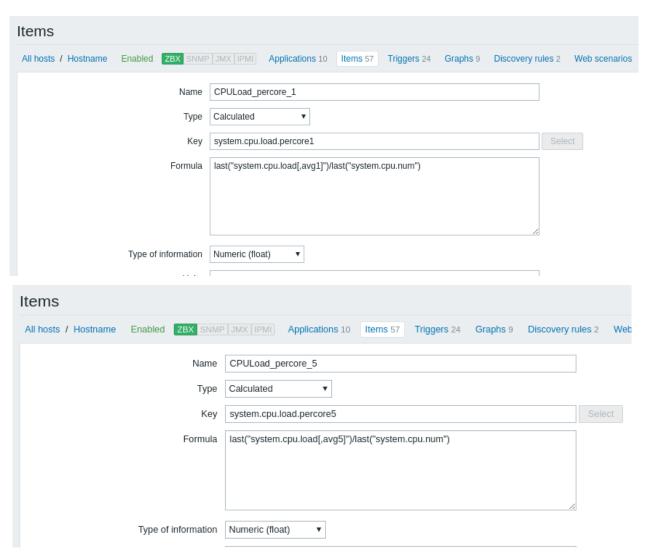


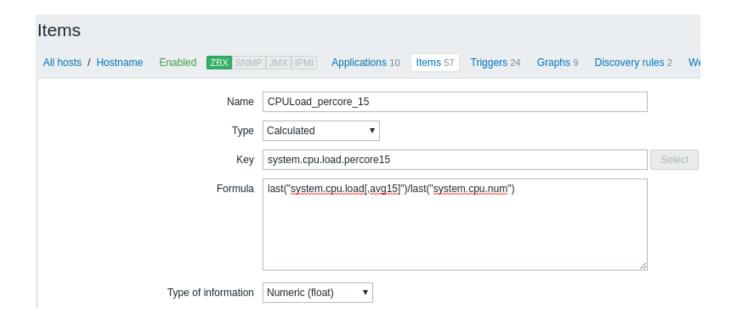


#### Create item for number of cores



Create calculated checks for every average CPU load item, that represent CPU load per core.



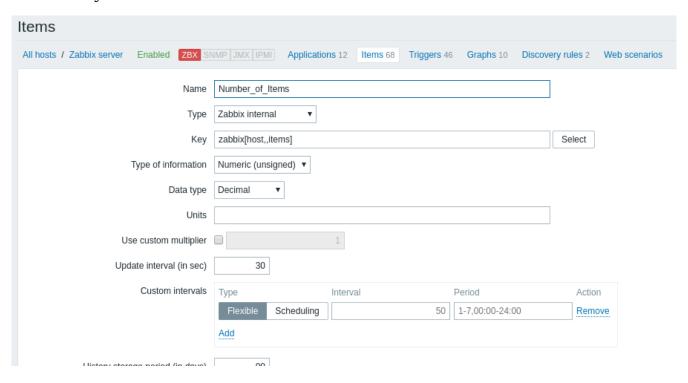


### Check values

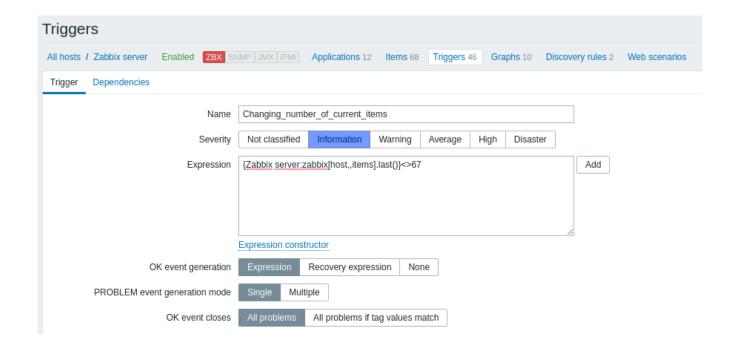
CPULoad_average_1 system.cpu.load[,avg1]	30	90	365	Zabbix	2019-07-01 18:4	1
CPULoad_average_5 system.cpu.load[,avg5]	30	90	365	Zabbix	2019-07-01 18:4	1.01
CPULoad_average_15 system.cpu.load[,avg15]	30	90	365	Zabbix	2019-07-01 18:4	0.95
CPULoad_percore_1 system.cpu.load.percore1	30	90	365	Calculat	2019-07-01 18:4	0.5
CPULoad_percore_5 system.cpu.load.percore5	30	90	365	Calculat	2019-07-01 18:4	0.51
CPULoad_percore_15 system.cpu.load.percore15	30	90	365	Calculat	2019-07-01 18:0	0.47

### 3. Internal Checks:

• How many items are enabled



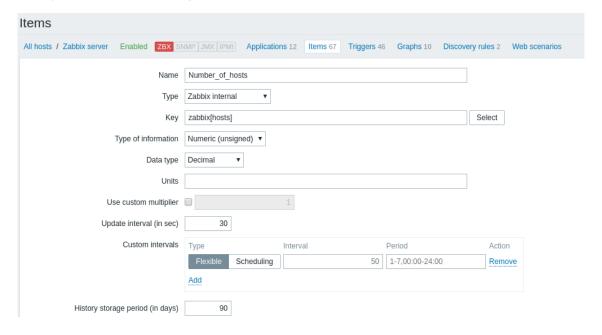


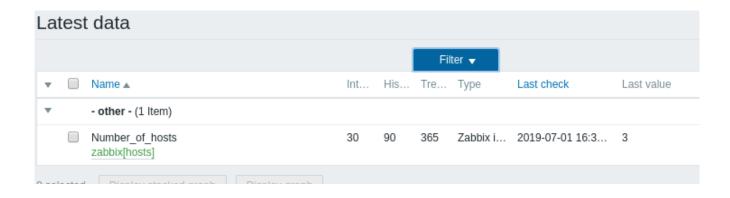


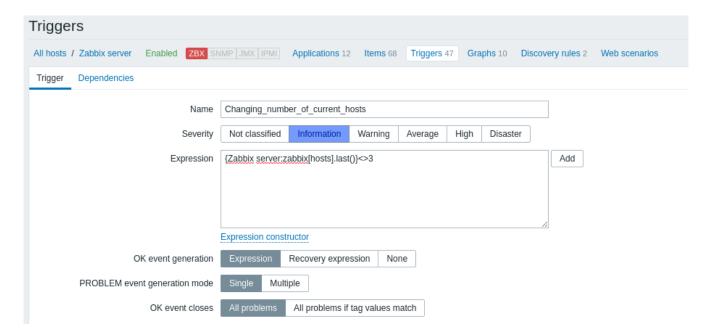
#### Add 1 item and see alert



## • How many Servers are being monitored







Add host and see alert

