EPAM Systems, RD Dep. MTN.NIX.Zabbix_Items

REVISION HISTORY					
Ver.	Description of Change	Author	Date	Approved	
				Name	Effective Date
1.0	Initial Version	Siarhei Beliakou	23/May/2017		

Legal Notice

This document contains privileged and/or confidential information and may not be disclosed, distributed or reproduced without the prior written permission of EPAM Systems.

Task. Items

Task:

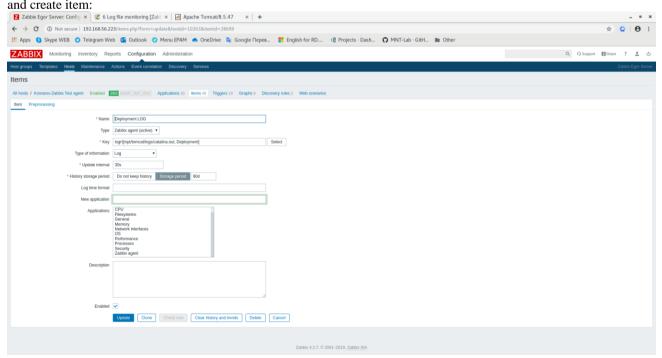
Assuming we have 2 servers (VMs) – ZabbixServer and Tomcat,

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

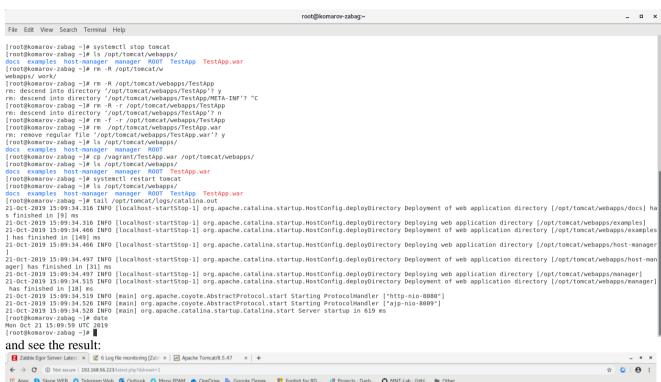
Let's monitor Web App installation.

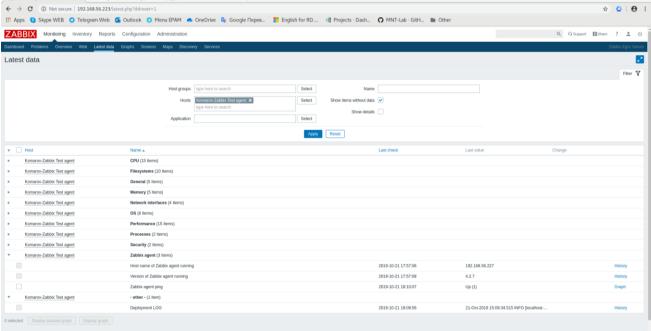
Give read permissions to other (to zabbix-agentd) to /opt/tomcat/logs/*

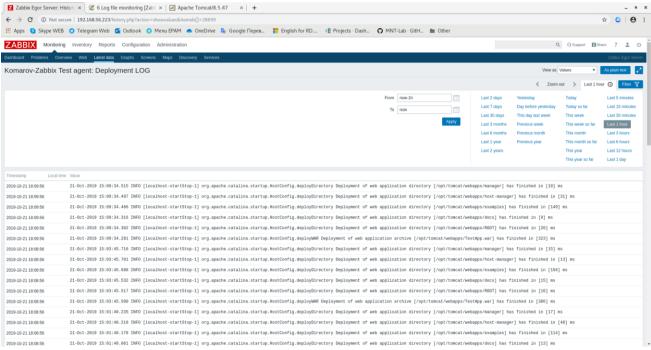
```
root@komarov-zabag:~
                                                                                ×
File Edit View Search Terminal Help
[root@komarov-zabag ~]# chmod 666 /opt/tomcat/logs/*
[root@komarov-zabag ~]# chmod 777 /opt/tomcat/logs/
[root@komarov-zabag ~]# ls -lHa /opt/tomcat/logs/
total 200
drwxrwxrwx 2 tomcat tomcat
                            197 Oct 21 13:53
drwxr-xr-x 9 tomcat tomcat
                          220 Oct 21 13:53 ...
-rw-rw-rw- 1 tomcat tomcat 91881 Oct 21 15:09 catalina.2019-10-21.log
-rw-rw-rw- 1 tomcat tomcat 93393 Oct 21 15:09 catalina.out
-rw-rw-rw- 1 tomcat tomcat
                             0 Oct 21 13:53 host-manager.2019-10-21.log
-rw-rw-rw- 1 tomcat tomcat 8543 Oct 21 15:09 localhost.2019-10-21.log
-rw-rw-rw- 1 tomcat tomcat 1493 Oct 21 13:56 localhost access log.2019-10-21.txt
-rw-rw-rw- 1 tomcat tomcat
                             0 Oct 21 13:53 manager.2019-10-21.log
[root@komarov-zabag ~]#
```



Let's redeploy TestApp:

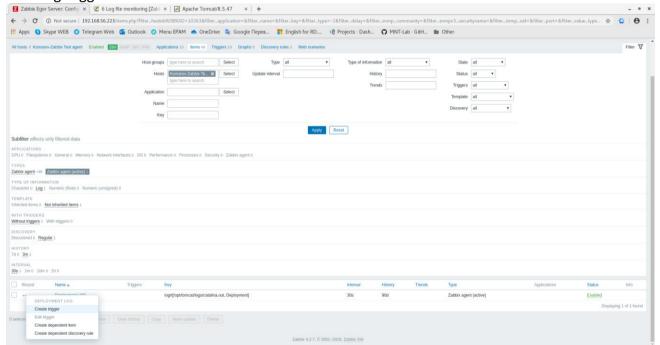


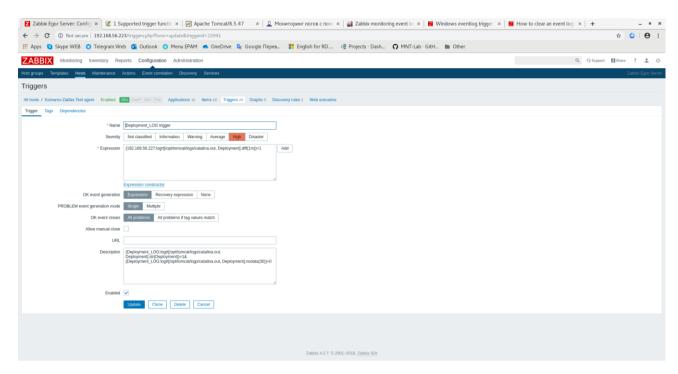




1. Create a trigger for errors in log file monitored by that item

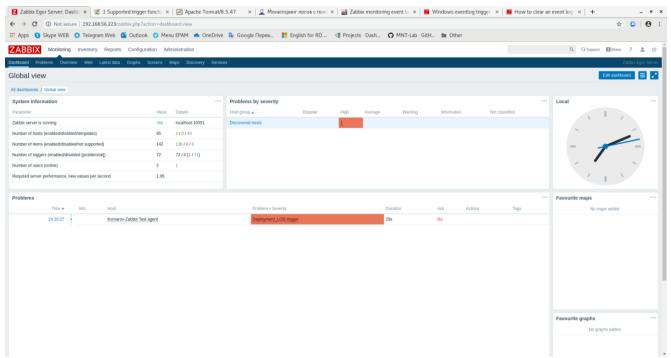
Creating trigger:





Redeploy app:

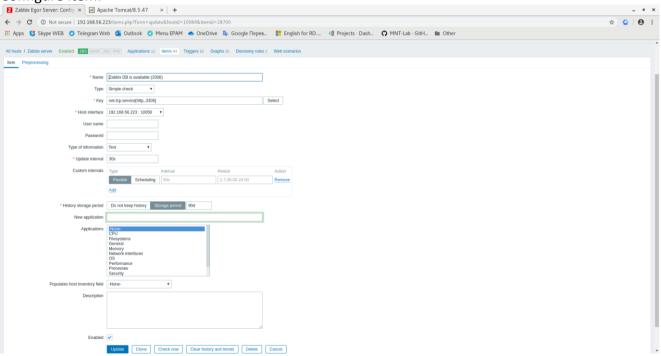
and see the trigger



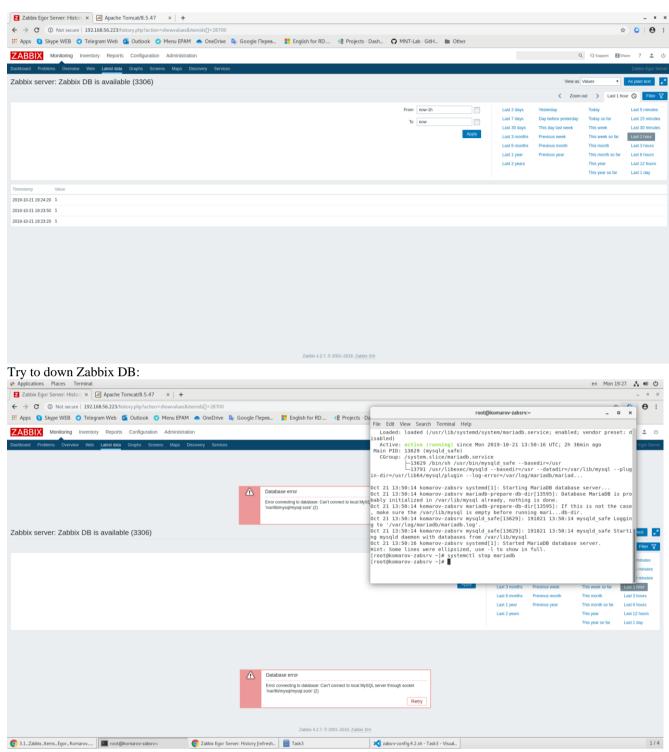
Configure:

- 1. Simple checks:
 - Zabbix DB is available (3306)

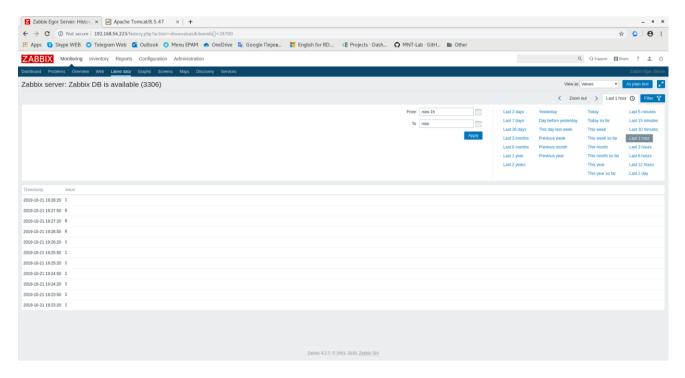
Configure item:



See the results:



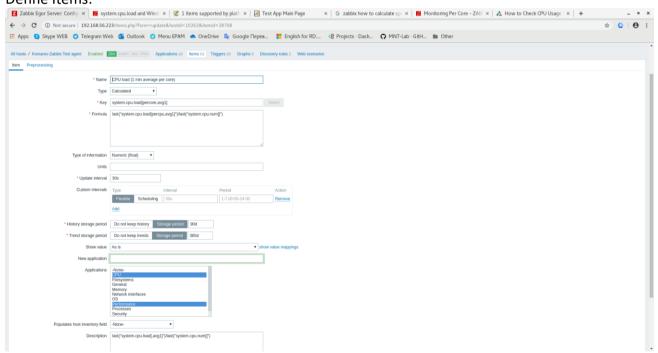
and up it again. See the 0 items in Latest data – item works:

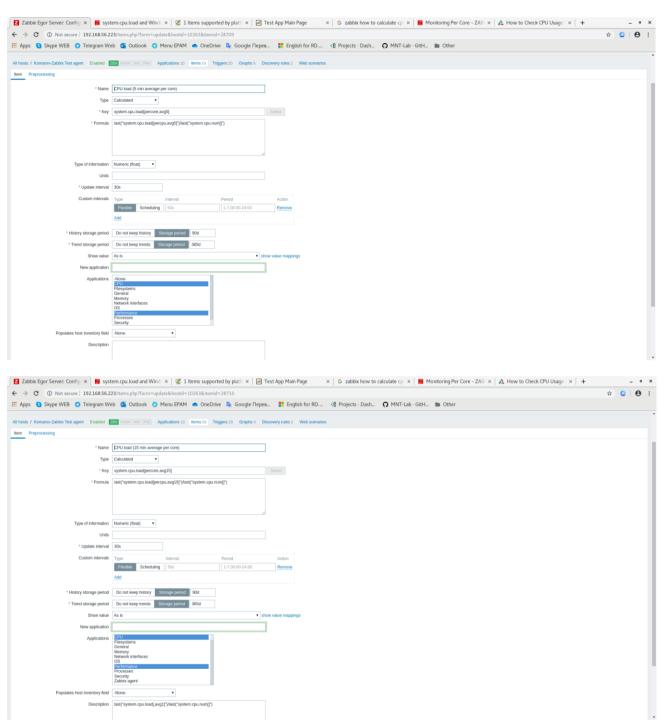


2. Calculated Checks:

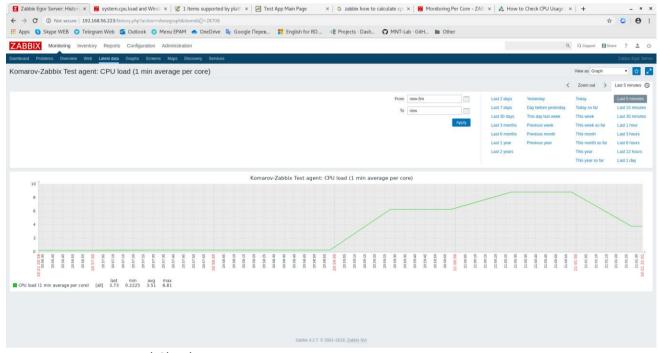
• CPU Load per Core (1, 5, 15min)

Define Items:

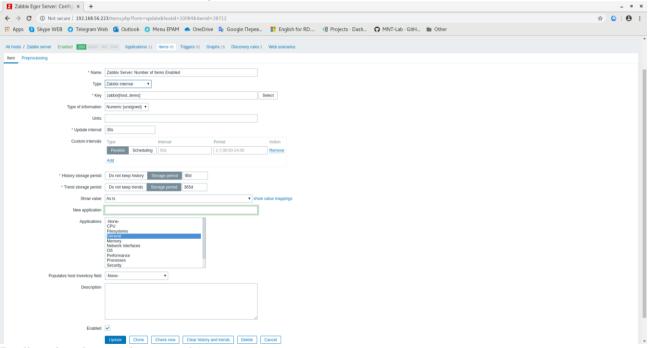




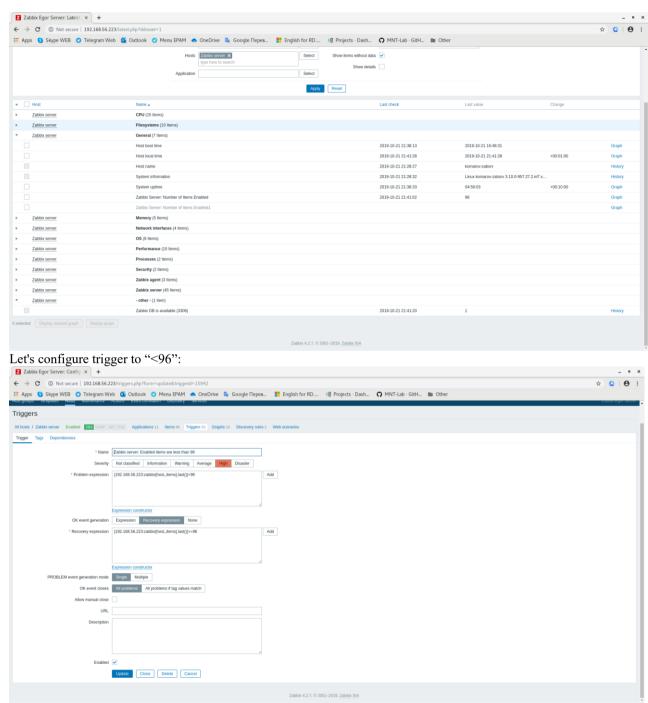
See the results in latest data:



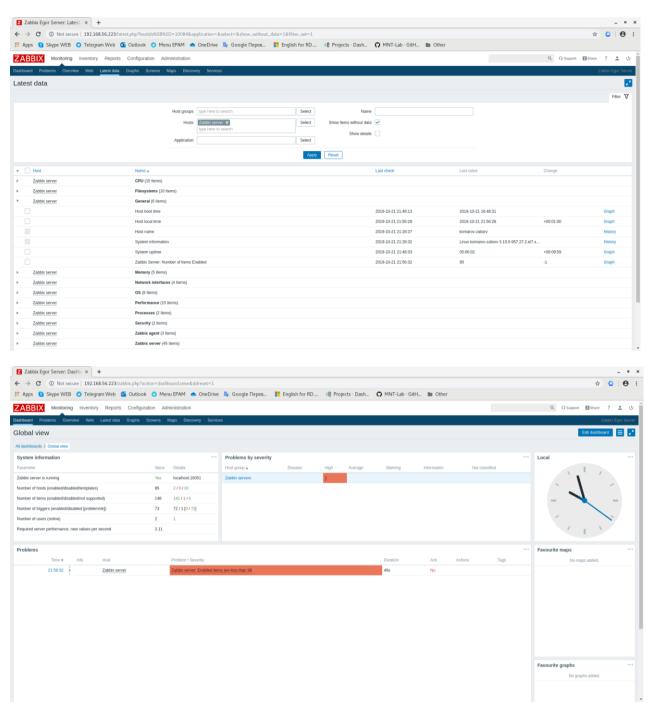
- Internal Checks:
 - · How many items are enabled



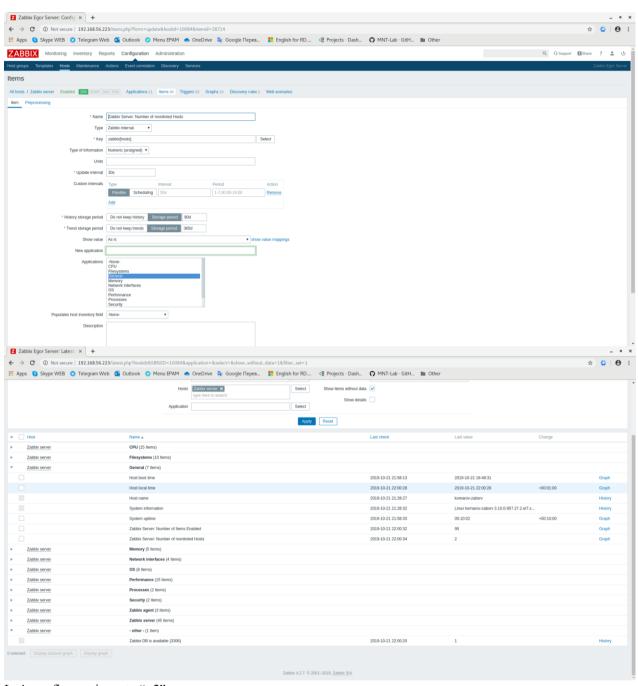
Duplicate it and see total amount - 96:



And delete one duplicated item:



How many Servers are being monitored



Let's configure trigger to "<2":

