

**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		

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## Task. Items

### Task:

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

The screenshot displays the Zabbix web interface in two parts. The top part shows the 'Configuration of items' page for a new item named 'Log item'. The configuration includes:

- Name: Log item
- Type: Zabbix agent (active)
- Key: log[`opt/tomcat/logs/catalina.2019-10-18.log.INFO`]
- Type of information: Log
- Update interval: 30s
- History storage period: Do not keep history
- Log time format: (empty)
- New application: (empty)
- Applications: (dropdown menu showing options like None, Classes, Compilation, CPU, Filesystems, etc.)
- Description: (empty text area)
- Enabled: ☒

The bottom part shows the 'Latest data' page, which displays a table of the most recent data points for the configured item. The table has columns for Host, Name, Last check, Last value, and Change.

Host	Name	Last check	Last value	Change
zabbix.agent	OS (1 item)			
zabbix.agent	Number of logged in users	2019-10-21 13:33:36	1	Graph
zabbix.agent	Security (1 item)			
zabbix.agent	Number of logged in users	2019-10-21 13:33:36	1	Graph
zabbix.agent	- other - (1 item)			
	Log tomcat	2019-10-21 13:33:44	21-Oct-2019 10:33:44.449 INFO [mai...	History

## 1. Simple checks:

- Zabbix Server WEB availability (80)
- Zabbix DB is available (3306)
- Tomcat availability (80, 8080)
- Tomcat Server is available by ssh (22)

Subfilter affects only filtered data

APPLICATIONS  
Classes: Compilation, CPU, Filesystems, Garbage collector, General, Memory, Memory pool, Network interfaces, Operating system, OS, Performance, Processes, Runtime, Security, Threads, Zabbix agent

TYPES  
Calculated: JMX agent, Simple check, Zabbix agent, Zabbix agent (active), Zabbix internal

TYPE OF INFORMATION  
Character: Log, Numeric (float), Numeric (unsigned)

STATE  
Normal: Not supported

TEMPLATE  
Inherited items: Not inherited items

WITH TRIGGERS  
Without triggers: With triggers

DISCOVERY  
Discovered: Regular

HISTORY  
7d, 3m, 1

INTERVAL  
5s, 10s, 1m, 10m, 1h

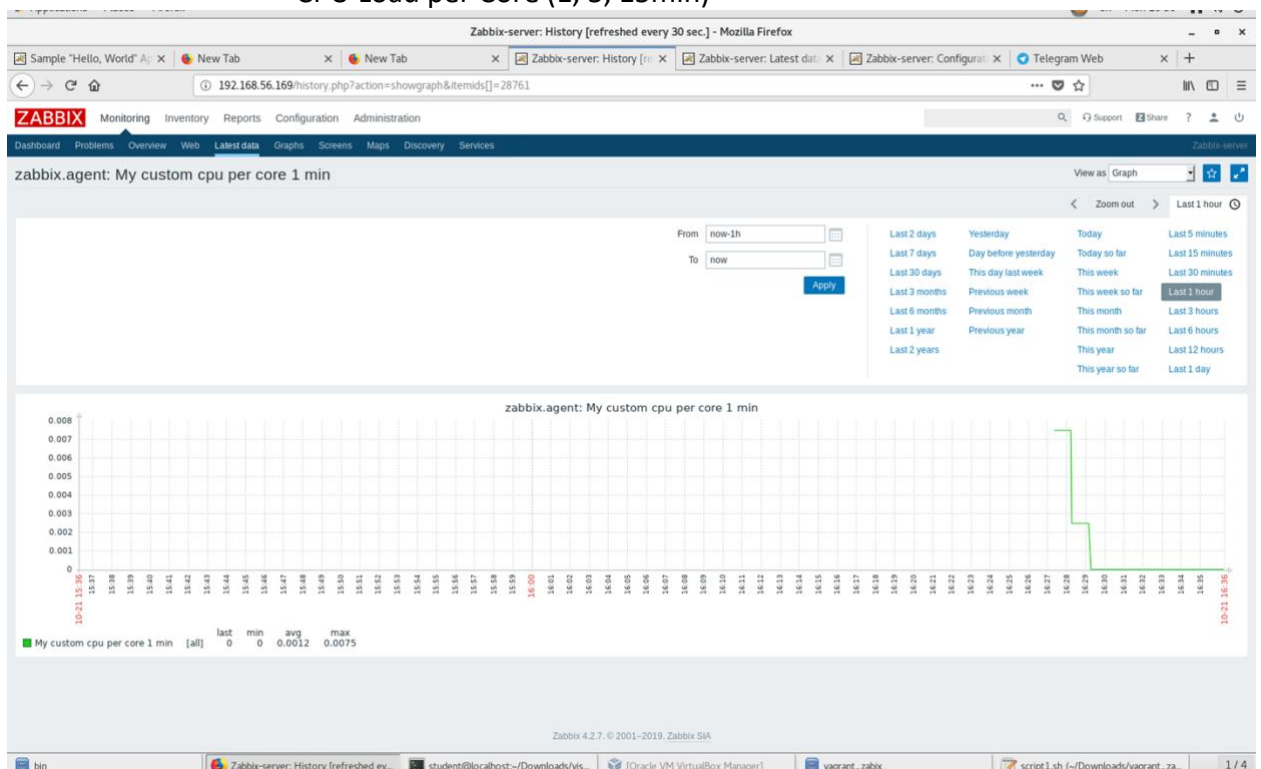
Name	Triggers	Key	Interval	History	Trends	Type	Applications	Status	Info
cpu test		cpu2	10s	90d	365d	Calculated	Zabbix agent	Enabled	

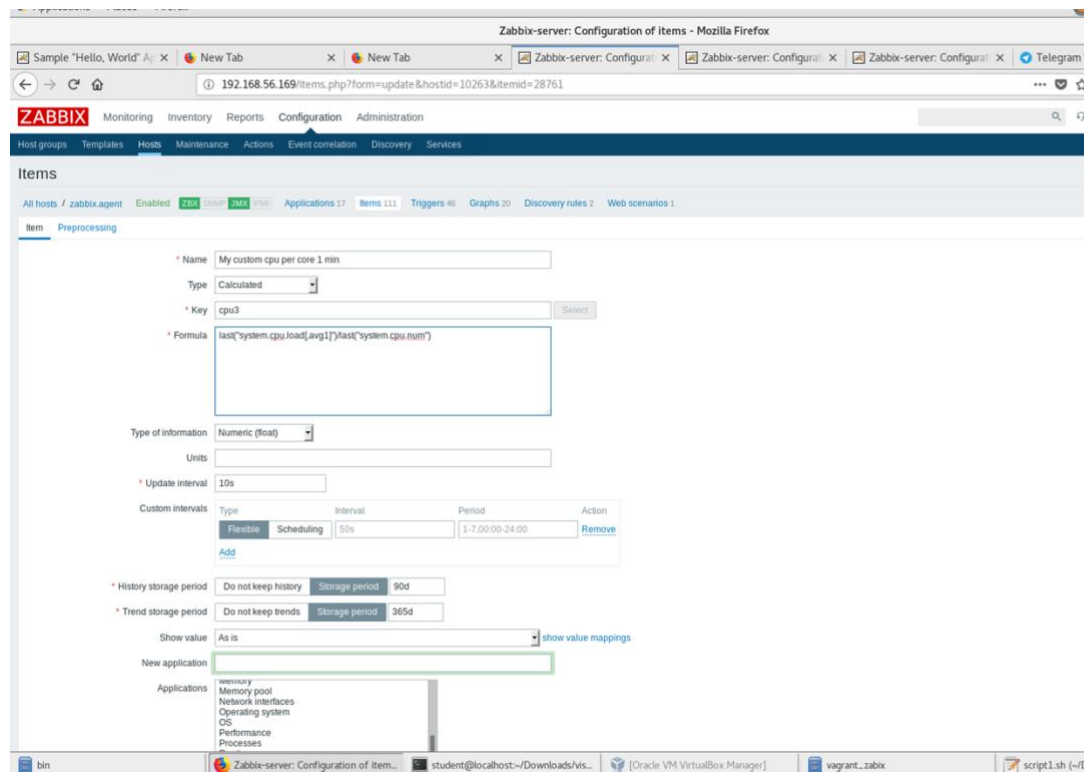
0 selected Enable Disable Check now Clear history Copy Mass update Delete

Zabbix 4.2.7. © 2001–2019, Zabbix SIA

## 2. Calculated Checks:

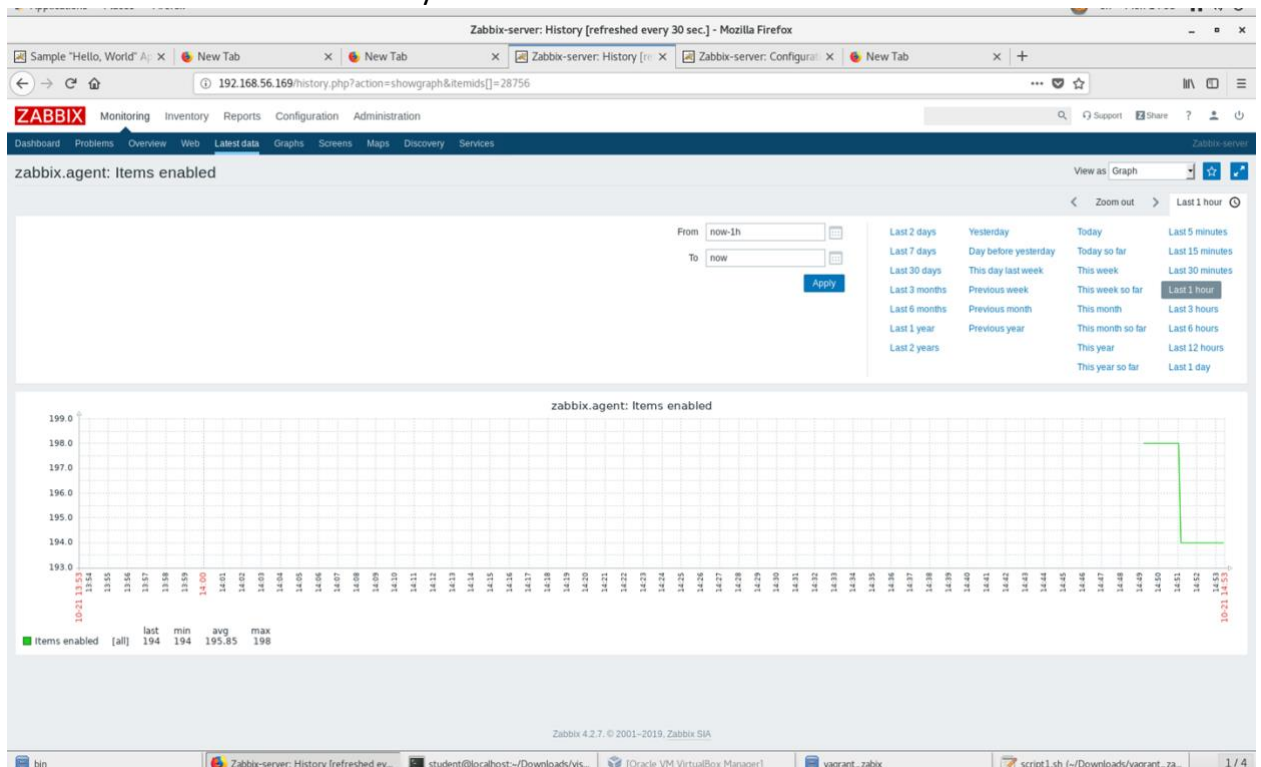
- CPU Load per Core (1, 5, 15min)



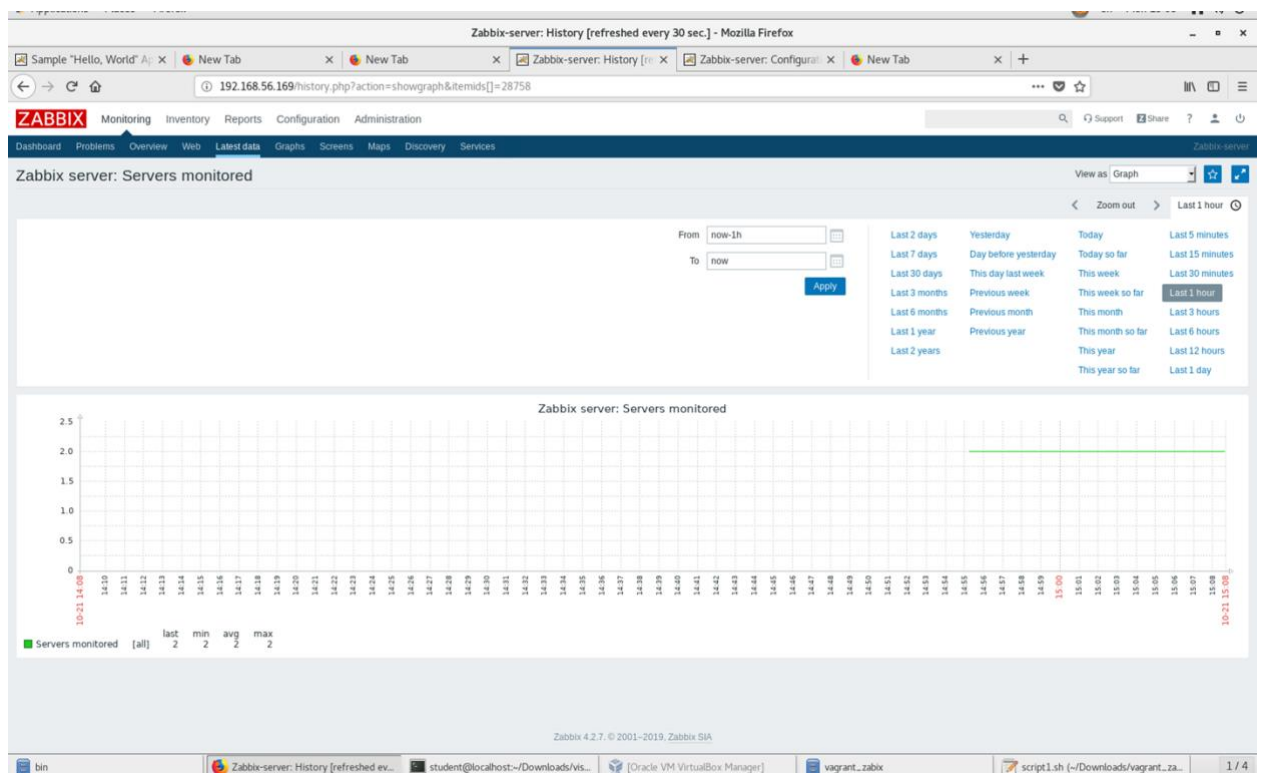


### 3. Internal Checks:

- How many items are enabled



- How many Servers are being monitored



Create triggers for every check