

Task3.

- Simple checks:
- 1) http service running

The screenshot displays the Zabbix Server Configuration interface in a Mozilla Firefox browser. The page title is "Zabbix Server: Configuration of items - Mozilla Firefox". The address bar shows the URL "192.168.56.100/zabbix/items.php?hostid=10106&filter_set=1&filter_application=HTTP+service&sort=key_&sortorder=DESC". The Zabbix logo is visible in the top left corner, and the navigation bar includes links for Monitoring, Inventory, Reports, Configuration, and Administration. The sidebar on the left shows the "Items" section selected, with sub-links for All hosts, nginx, Enabled, ZBX, SNMP, JMX, IPMI, Applications 2, Items 4, Triggers 4, Graphs, Discovery rules, and Web scenarios. The main content area features a "Filter" section with various dropdown menus and input fields for Host group, Host, Application, Name, Key, Type, Update interval, History, Trends, State, Status, Triggers, and Template. Below the filter section, there is a table of items. The table has columns for Wizard, Name, Triggers, Key, Interval, History, Trends, Type, Applications, Status, and Info. The table contains one item: "Template App HTTP Service: HTTP service is running" with 1 trigger, key "net.tcp.service[http]", interval "1m", history "7d", trends "365d", type "Simple check", application "HTTP service", and status "Enabled". At the bottom of the table, it says "Displaying 1 of 1 found". Below the table, there are buttons for "0 selected", "Enable", "Disable", "Clear history", "Copy", "Mass update", and "Delete". The footer of the page shows the Zabbix version "3.2.11" and copyright "© 2001-2017, Zabbix SIA".

Host group: type here to search Select Type: all Type of information: all State: all

Host: nginx Select Update interval (in sec): History (in days): Status: all

Application: HTTP service Select Trends (in days): Triggers: all

Name: Template

Key: HTTP service is running

Apply Reset

Subfilter affects only filtered data

| Wizard | Name | Triggers | Key | Interval | History | Trends | Type | Applications | Status | Info |
|--------------------------|----------------------------------------------------|------------|-----------------------|----------|---------|--------|--------------|--------------|---------|------|
| <input type="checkbox"/> | Template App HTTP Service: HTTP service is running | Triggers 1 | net.tcp.service[http] | 1m | 7d | 365d | Simple check | HTTP service | Enabled | |

Displaying 1 of 1 found

0 selected Enable Disable Clear history Copy Mass update Delete

Zabbix 3.2.11. © 2001-2017, Zabbix SIA

Applications Places Firefox

Zabbix Server: Configuration of hosts - Mozilla Firefox

Mail - Andrei... x sheihus/Zabbix x Zabbix Server: C x Test App Main P x cyclopsgroup - f x systemd - cgtop x zabbix how to a x 1 Configuring a x _zabbix2-3 - sh x Zabbix Server: C x +

192.168.56.100/zabbix/hosts.php?ddreset=1 130%

ZABBIX Monitoring Inventory Reports Configuration Administration

Host groups Templates **Hosts** Maintenance Actions Event correlation Discovery IT services Zabbix Server

Hosts Group all Create host Import

Filter ▲

Name DNS IP Port

Apply Reset

| <input type="checkbox"/> Name ▲ | Applications | Items | Triggers | Graphs | Discovery | Web | Interface | Templates | Status | Availability | Agent encryption | Info |
|----------------------------------------|-----------------|----------|-------------|-----------|-------------|-----|----------------------|---------------------------------------------------------------------------|---------|-------------------|------------------|------|
| <input type="checkbox"/> linux machine | Applications 10 | Items 32 | Triggers 15 | Graphs 5 | Discovery 2 | Web | 192.168.56.101:10050 | Template OS Linux (Template App Zabbix Agent) | Enabled | ZBX SNMP JMX IPMI | NONE | |
| <input type="checkbox"/> nginx | Applications 2 | Items 4 | Triggers 4 | Graphs | Discovery | Web | 192.168.56.101:10050 | Template App HTTP Service, Template App Zabbix Agent | Enabled | ZBX SNMP JMX IPMI | NONE | |
| <input type="checkbox"/> tomcat | Applications 2 | Items 4 | Triggers 4 | Graphs | Discovery | Web | 192.168.56.101:10050 | Template App HTTP Service, Template App Zabbix Agent | Enabled | ZBX SNMP JMX IPMI | NONE | |
| <input type="checkbox"/> Zabbix server | Applications 11 | Items 64 | Triggers 43 | Graphs 10 | Discovery 2 | Web | 192.168.56.100:10051 | Template App Zabbix Server, Template OS Linux (Template App Zabbix Agent) | Enabled | ZBX SNMP JMX IPMI | NONE | |

Displaying 4 of 4 found

0 selected Enable Disable Export Mass update Delete

Zabbix 3.2.11. © 2001–2017, Zabbix SIA

192.168.56.100/zabbix/applications.php?groupid=0&hostid=10105

Zabbix S... [Zabbix-... [mc [stud... [zabbix2] [09 - Zab... [stud... [zabbix] [zabbix2] [Docker... [mc [stud... [09 - Zab... Zabbix_0... [zabbix-... [Zabbix-... [Zabbix-... 1 / 4

Calculated items:

- 1) free disk space is less than 20% of root volume
- 2) free disk space is less than 20% of boot volume
- 3) free inodes is less than 20% of root volume
- 4) free inodes is less than 20% of boot volume

Applications Places Firefox

Zabbix Server: Configuration of triggers - Mozilla Firefox

Mail - Andrei.L.S. X shelhus/Zabbix X Zabbix Server: C X Test App Main P X cyclopsgroup - X systemd - ctop X zabbix how to a X 1 Configuring a X _zabbix2-3 - sh X Zabbix Server: C X

192.168.56.100/zabbix/triggers.php?filter_priority=-1&filter_state=-1&filter_status=0&filter_set=1 130%

ZABBIX Monitoring Inventory Reports Configuration Administration

Host groups Templates Hosts Maintenance Actions Event correlation Discovery IT services Zabbix Server

Triggers Group all Host linux machine Create trigger

All hosts / linux machine Enabled ZBX SNMP JMX IPMI Applications 10 Items 46 Triggers 21 Graphs 9 Discovery rules 2 Web scenarios

Filter

Severity all Not classified Information Warning Average High Disaster

State all Normal Unknown

Status all Enabled Disabled

Apply Reset

| <input type="checkbox"/> Severity | Name | Expression | Status | Info |
|-----------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------|---------|------|
| <input type="checkbox"/> Warning | Mounted filesystem discovery: Free disk space is less than 20% on volume / | {linux.machine:vfs.fs.size[/,pfree].last(0)}<20 | Enabled | |
| <input type="checkbox"/> Warning | Mounted filesystem discovery: Free disk space is less than 20% on volume /boot | {linux.machine:vfs.fs.size[/boot,pfree].last(0)}<20 | Enabled | |
| <input type="checkbox"/> Warning | Mounted filesystem discovery: Free inodes is less than 20% on volume / | {linux.machine:vfs.fs.inode[/,pfree].last(0)}<20 | Enabled | |
| <input type="checkbox"/> Warning | Mounted filesystem discovery: Free inodes is less than 20% on volume /boot | {linux.machine:vfs.fs.inode[/boot,pfree].last(0)}<20 | Enabled | |
| <input type="checkbox"/> Not classified | linux machine: Maximum number of opened files > 200 | {linux.machine:kernel.maxfiles.last(0)}>200 | Enabled | |
| <input type="checkbox"/> Not classified | Number of processes > 100 | {linux.machine:proc.num[]}.last(0)>100 | Enabled | |

Displaying 6 of 6 found

Internal checks:

- 1) max number of opened files > 200
- 2) number of processes > 100