



Zabbix Documentation 3.0

1.8 2.0 2.2 2.4

3.0

3.2 3.4

2 Inventory

Overview

You can keep the inventory of networked devices in Zabbix.

There is a special *Inventory* menu in the Zabbix frontend. However, you will not see any data there initially and it is not where you enter data. Building inventory data is done manually when configuring a host or automatically by using some automatic population options.

Building inventory

Manual mode

When configuring a host, in the *Host inventory* tab you can enter such details as the type of device, serial number, location, responsible person, etc - data that will populate inventory information.

If a URL is included in host inventory information and it starts with 'http' or 'https', it will result in a clickable link in the *Inventory* section.

Automatic mode

Host inventory can also be populated automatically. For that to work, when configuring a host the inventory mode in the *Host inventory* tab must be set to *Automatic*.

Then you can configure host items to populate any host inventory field with their value, indicating the destination field with the respective attribute (called *Item will populate host inventory field*) in item configuration.

Items that are especially useful for automated inventory data collection:

- system.hw.chassis[full | type | vendor | model | serial] - default is [full], root permissions needed
- system.hw.cpu[all | cpunum,full | maxfreq | vendor | model | curfreq] - default is [all,full]
- system.hw.devices[pci | usb] - default is [pci]
- system.hw.macaddr[interface,short | full] - default is [all,full], interface is regexp
- system.sw.arch
- system.sw.os[name | short | full] - default is [name]
- system.sw.packages[package,manager,short | full] - default is [all,all,full], package is regexp

Inventory mode selection

Inventory mode can be selected in the host configuration form.

Inventory mode by default for new hosts is selected based on the *Default host inventory mode* setting in *Administration* → *General* → *Other*.

For hosts added by network discovery or auto registration actions, it is possible to define a *Set host inventory mode* operation selecting manual or automatic mode. This operation overrides the *Default host inventory mode* setting.

Inventory overview

The details of all existing inventory data are available in the *Inventory* menu.

In *Inventory* → *Overview* you can get a host count by various fields of the inventory.

In *Inventory* → *Hosts* you can see all hosts that have inventory information. Clicking on the host name will reveal the inventory details in a form.

Host inventory

Overview

Details

Host name

Zabbix server

Visible name

Zabbix server 1

Agent interfaces

| IP ADDRESS | DNS NAME | CONNECT TO | PORT |
|---------------|----------|------------|-------|
| 192.168.3.194 | | IP | 10050 |

SNMP interfaces

| | | |
|-----------|----|-----|
| 127.0.0.1 | IP | 161 |
|-----------|----|-----|

OS

Linux linux-qvvt 3.11.10-21-default #1 SMP Mon Jul 21 15:28:46 U

Description

Added on 2015-07-28.

Monitoring

[Web](#)
[Latest data](#)
[Triggers](#)
[Events](#)
[Graphs](#)
[Screens](#)

Configuration

[Host](#)
[Applications 12](#)
[Items 71](#)
[Triggers 45](#)
[Graphs 12](#)
[Discovery 2](#)
[Web 1](#)

Cancel

The **Overview** tab shows:

| Parameter | Description |
|---|--|
| <i>Host name</i> | Name of the host. Clicking on the name opens a menu with the scripts defined for the host. Host name is displayed with an orange icon, if the host is in maintenance. |
| <i>Visible name</i> | Visible name of the host (if defined). |
| <i>Host (Agent, SNMP, JMX, IPMI) interfaces</i> | This block provides details of the interfaces configured for the host. |
| <i>OS</i> | Operating system inventory field of the host (if defined). |
| <i>Hardware</i> | Host hardware inventory field (if defined). |
| <i>Software</i> | Host software inventory field (if defined). |
| <i>Description</i> | Host description. |
| <i>Monitoring</i> | Links to monitoring sections with data for this host: <i>Web</i> , <i>Latest data</i> , <i>Triggers</i> , <i>Events</i> , <i>Graphs</i> , <i>Screens</i> . |
| <i>Configuration</i> | Links to configuration sections for this host: <i>Host</i> , <i>Applications</i> , <i>Items</i> , <i>Triggers</i> , <i>Graphs</i> , <i>Discovery</i> , <i>Web</i> . The amount of configured entities is listed in parenthesis after each link. |

The **Details** tab shows all inventory fields that are populated (are not empty).

Inventory macros

There are host inventory macros {INVENTORY.*} available for use in notifications, for example:

“Server in {INVENTORY.LOCATION1} has a problem, responsible person is {INVENTORY.CONTACT1}, phone number {INVENTORY.POC.PRIMARY.PHONE.A1}.”

For more details, see the [Macros supported by location](#) page.
