

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](#).

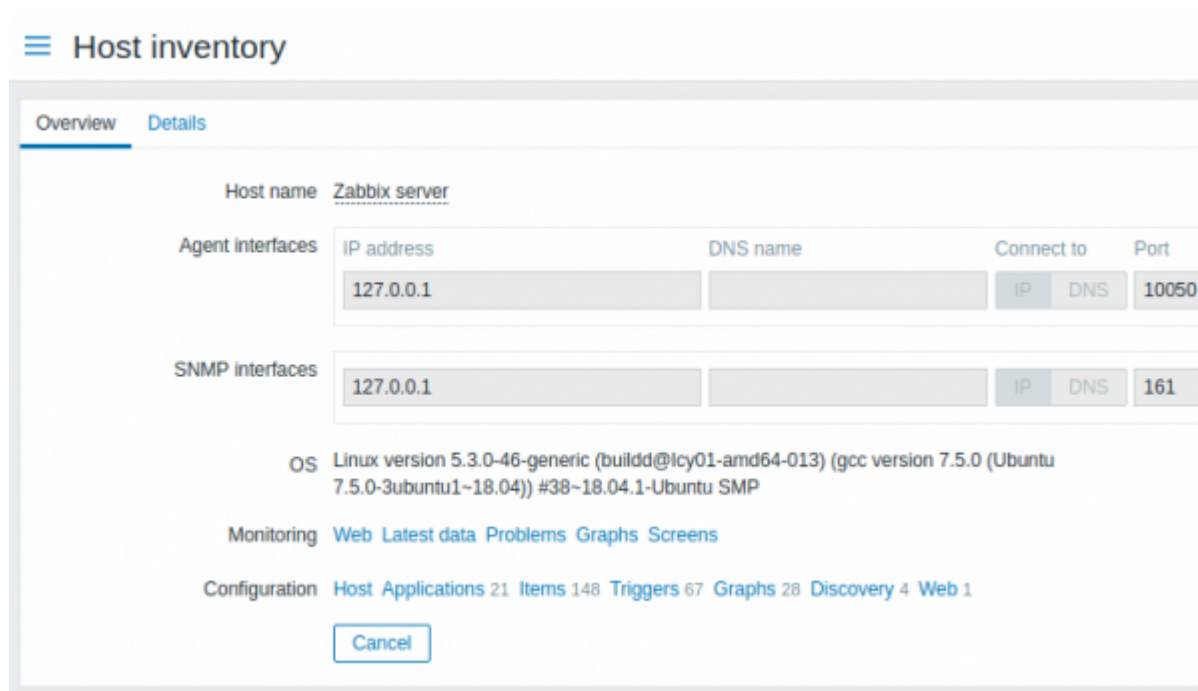
For hosts added by network discovery or autoregistration actions, it is possible to define a *Set host inventory mode* operation selecting manual or automatic mode. This operation overrides the *Default host inventory mode* setting.

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.



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, Latest data, Triggers, Problems, Graphs, Screens</i> .

Parameter	Description
Configuration	Links to configuration sections for this host: <i>Host, Applications, Items, Triggers, Graphs, Discovery, 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 [supported macro](#) page.

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