

1 Configuring a host

Overview

To configure a host in Zabbix frontend, do the following:

- Go to: *Configuration* → *Hosts*
- Click on *Create host* to the right (or on the host name to edit an existing host)
- Enter parameters of the host in the form

You can also use the *Clone* and *Full clone* buttons in the form of an existing host to create a new host. Clicking on *Clone* will retain all host parameters and template linkage (keeping all entities from those templates). *Full clone* will additionally retain directly attached entities (applications, items, triggers, graphs, low-level discovery rules and web scenarios).

Note: When a host is cloned, it will retain all template entities as they are originally on the template. Any changes to those entities made on the existing host level (such as changed item interval, modified regular expression or added prototypes to the low-level discovery rule) will not be cloned to the new host; instead they will be as on the template.

Configuration

The **Host** tab contains general host attributes:

The screenshot shows the Zabbix configuration page for a host. At the top, there are navigation tabs: Host, Templates, IPMI, Macros, Host Inventory, and Encryption. The main form contains the following sections:

- Host name:** A text input field containing "Zsrv".
- Visible name:** A text input field containing "Zabbix server".
- Groups:** A section with "In groups" containing "Discovered hosts" and "HQ/Zabbix servers".
- Other groups:** A list of groups including "Clouds", "Database servers", "HQ/SNMP hosts", "Hypervisors", "JB applications", "Linux servers", "Network devices", "Templates", "UPS devices", and "Virtual machines".
- New group:** An empty text input field.
- Agent interfaces:** A table with columns for IP address, DNS name, Connect to, Port, and Default. One interface is listed with IP "192.168.3.231", "IP" connection, "DNS", and port "10050".
- SNMP interfaces:** A table with columns for IP address, DNS name, Connect to, Port, and Default. One interface is listed with IP "127.0.0.1", "IP" connection, "DNS", and port "161". A checkbox for "Use bulk requests" is checked.
- JMX interfaces:** An "Add" button.
- IPMI interfaces:** An "Add" button.
- Description:** A text area containing "Added on 2015-07-28".
- Monitored by proxy:** A dropdown menu set to "(no proxy)".
- Enabled:** A checked checkbox.
- Buttons:** "Add" and "Cancel" buttons at the bottom.

Parameter	Description
<i>Host name</i>	Enter a unique host name. Alphanumerics, spaces, dots, dashes and underscores are allowed. <i>Note:</i> With Zabbix agent running on the host you are configuring, the agent configuration file parameter <i>Hostname</i> must have the same value as the host name entered here. The name in the parameter is needed in the processing of active checks .
<i>Visible name</i>	If you set this name, it will be the one visible in lists, maps, etc. This attribute has UTF-8 support.
<i>Groups</i>	Select host groups the host belongs to. A host must belong to at least one host group.
<i>New host group</i>	A new group can be created and linked to the host. Ignored, if empty.

Parameter	Description
<i>Interfaces</i>	Several host interface types are supported for a host: <i>Agent</i> , <i>SNMP</i> , <i>JMX</i> and <i>IPMI</i> . To add a new interface, click on <i>Add</i> in the <i>Interfaces</i> block and enter <i>IP/DNS</i> , <i>Connect to</i> and <i>Port</i> info. <i>Note:</i> Interfaces that are used in any items cannot be removed and link <i>Remove</i> is greyed out for them. <i>Use bulk requests</i> option for SNMP interfaces allows to enable/disable bulk processing of SNMP requests per interface.
<i>IP address</i>	Host IP address (optional).
<i>DNS name</i>	Host DNS name (optional).
<i>Connect to</i>	Clicking the respective button will tell Zabbix server what to use to retrieve data from agents: IP - Connect to the host IP address (recommended) DNS - Connect to the host DNS name
<i>Port</i>	TCP/UDP port number. Default values are: 10050 for Zabbix agent, 161 for SNMP agent, 12345 for JMX and 623 for IPMI.
<i>Default</i>	Check the radio button to set the default interface.
<i>Description</i>	Enter the host description.
<i>Monitored by proxy</i>	The host can be monitored either by Zabbix server or one of Zabbix proxies: (no proxy) - host is monitored by Zabbix server Proxy name - host is monitored by Zabbix proxy "Proxy name"
<i>Enabled</i>	Mark the checkbox to make the host active, ready to be monitored. If unchecked, the host is not active, thus not monitored.

The **Templates** tab allows you to link [templates](#) to the host. All entities (items, triggers, graphs and applications) will be inherited from the template.

To link a new template, start typing in the *Link new templates* field until a list of matching templates appear. Scroll down to select. When all templates to be linked are selected, click on *Add*.

To unlink a template, use one of the two options in the *Linked templates* block:

- *Unlink* - unlink the template, but preserve its items, triggers and graphs
- *Unlink and clear* - unlink the template and remove all its items, triggers and graphs

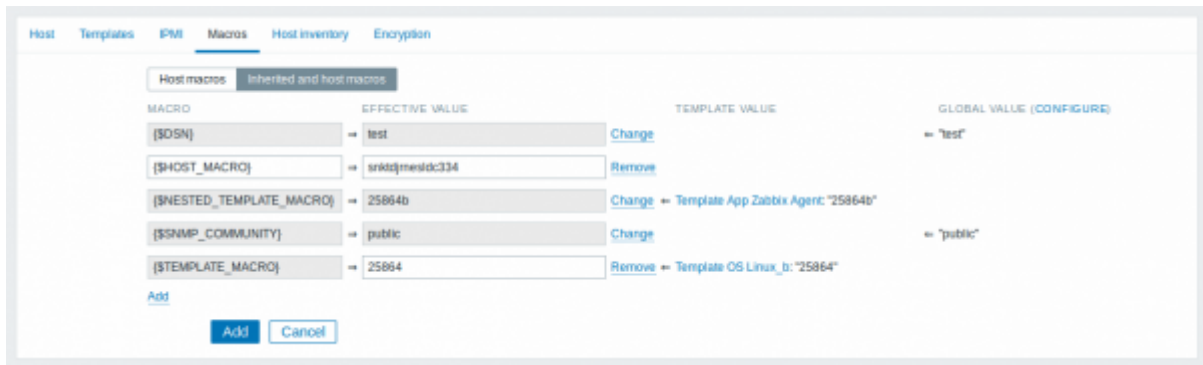
Listed template names are clickable links leading to the template configuration form.

See also [known issues](#) about template linkage.

The **IPMI** tab contains IPMI management attributes.

Parameter	Description
<i>Authentication algorithm</i>	Select the authentication algorithm.
<i>Privilege level</i>	Select the privilege level.
<i>Username</i>	User name for authentication.
<i>Password</i>	Password for authentication.

The **Macros** tab allows you to define host-level [user macros](#). You may also view here template-level and global macros if you select the *Inherited and host macros* option. That is where all defined user macros for the host are displayed with the value they resolve to as well as their origin.



For convenience, links to respective templates and global macro configuration are provided. It is also possible to edit a template/global macro on the host level, effectively creating a copy of the macro on the host.

The **Host inventory** tab allows you to manually enter [inventory](#) information for the host. You can also select to enable *Automatic* inventory population, or disable inventory population for this host.

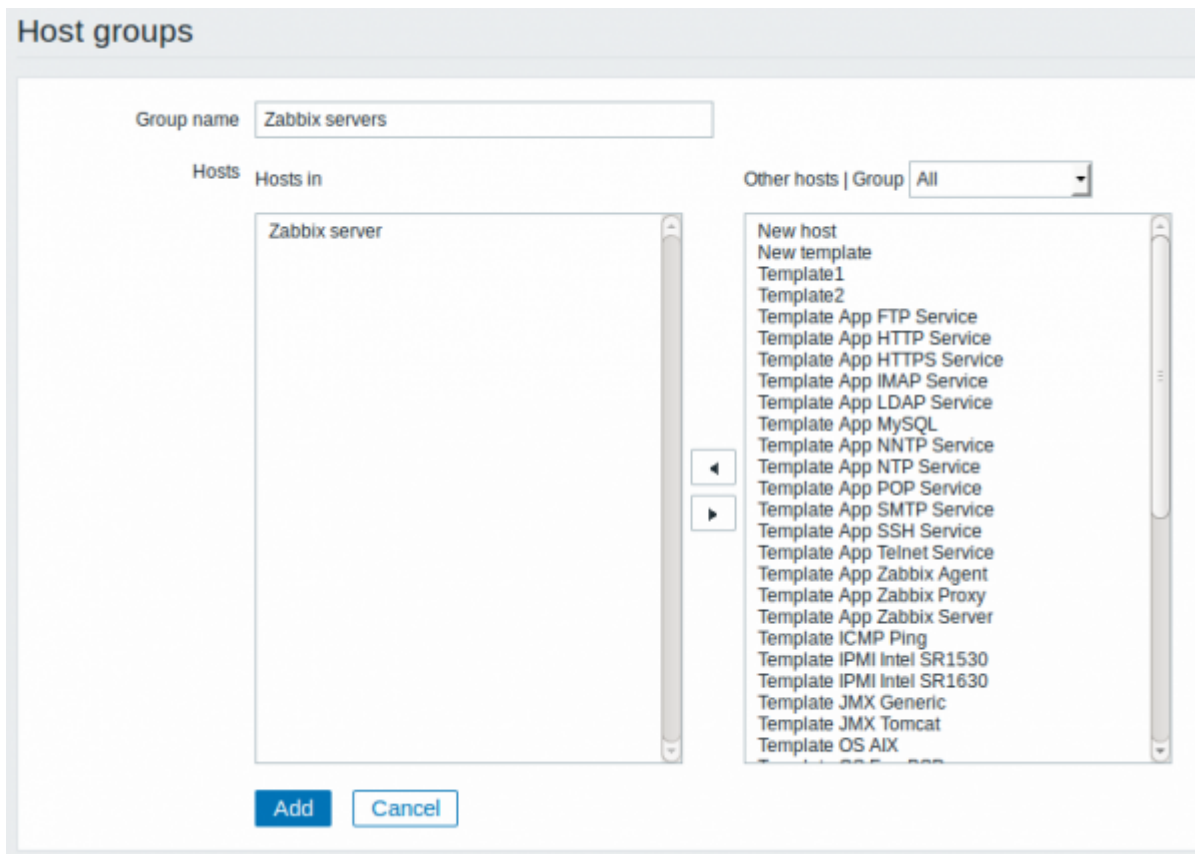
The **Encryption** tab allows you to require [encrypted](#) connections with the host.

Parameter	Description
<i>Connections to host</i>	How Zabbix server or proxy connects to Zabbix agent on a host: no encryption (default), using PSK (pre-shared key) or certificate.
<i>Connections from host</i>	Select what type of connections are allowed from the host (i.e. from Zabbix agent and Zabbix sender). Several connection types can be selected at the same time (useful for testing and switching to other connection type). Default is "No encryption".
<i>Issuer</i>	Allowed issuer of certificate. Certificate is first validated with CA (certificate authority). If it is valid, signed by the CA, then the <i>Issuer</i> field can be used to further restrict allowed CA. This field is intended to be used if your Zabbix installation uses certificates from multiple CAs. If this field is empty then any CA is accepted.
<i>Subject</i>	Allowed subject of certificate. Certificate is first validated with CA. If it is valid, signed by the CA, then the <i>Subject</i> field can be used to allow only one value of <i>Subject</i> string. If this field is empty then any valid certificate signed by the configured CA is accepted.
<i>PSK identity</i>	Pre-shared key identity string.
<i>PSK</i>	Pre-shared key (hex-string). Maximum length: 512 hex-digits (256-byte PSK) if Zabbix uses GnuTLS or OpenSSL library, 64 hex-digits (32-byte PSK) if Zabbix uses mbed TLS (PolarSSL) library. Example: 1f87b595725ac58dd977beef14b97461a7c1045b9a1c963065002c5473194952

Configuring a host group

To configure a host group in Zabbix frontend, do the following:

- Go to: *Configuration* → *Host groups*
- Click on *Create Group* in the upper right corner of the screen
- Enter parameters of the group in the form



Parameter	Description
<i>Group name</i>	Enter a unique host group name. To create a nested host group, use the '/' forward slash separator, for example Europe/Latvia/Riga/Zabbix servers. You can create this group even if none of the three parent host groups (Europe/Latvia/Riga) exist. In this case creating these parent host groups is up to the user; they will not be created automatically. Leading and trailing slashes, several slashes in a row are not allowed. Asterisks are not allowed in Zabbix 3.2.0, 3.2.1. Escaping of '/' is not supported. Nested representation of host groups is supported since Zabbix 3.2.0.
<i>Hosts</i>	Select hosts, members of the group. A host group may have zero, one or more hosts.

Permissions to nested host groups

- When creating a child host group to an existing parent host group, [user group](#) permissions to the child are inherited from the parent (for example, when creating Riga/Zabbix servers if Riga already exists)
- When creating a parent host group to an existing child host group, no permissions to the parent are set (for example, when creating Riga if Riga/Zabbix servers already exists)

From: <https://www.zabbix.com/documentation/3.2/> - **Zabbix Documentation 3.2**

Permanent link: <https://www.zabbix.com/documentation/3.2/manual/config/hosts/host>

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