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:

Parameter	Description
Host name	Enter a unique host name. Alphanumerics, spaces, dots, dashes and underscores are allowed. *Note:* With Zabbix agent running on the host you are configuring, the agent configuration file parameter *Hostname* must have the same value as the host name entered here. The name in the parameter is needed in the processing of active checks.
Visible name	If you set this name, it will be the one visible in lists, maps, etc. This attribute has UTF-8 support.
Groups	Select host groups the host belongs to. A host must belong to at least one host group.
New host group	A new group can be created and linked to the host. Ignored, if empty.
Interfaces	Several host interface types are supported for a host: *Agent*, *SNMP*, *JMX* and *IPMI*. To add a new interface, click on *Add* in the *Interfaces* block and enter *IP/DNS*, *Connect to* and *Port* info. *Note:* Interfaces that are used in any items cannot be removed and link *Remove* is greyed out for them. *Use bulk requests* option for SNMP interfaces allows to enable/disable bulk processing of SNMP requests per interface.
IP address	Host IP address (optional).

Parameter	Description
DNS name	Host DNS name (optional).
Connect to	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
Port	TCP/UDP port number. Default values are: 10050 for Zabbix agent, 161 for SNMP agent, 12345 for JMX and 623 for IPMI.
Default	Check the radio button to set the default interface.
Description	Enter the host description.
Monitored by proxy	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"
Enabled	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
Authentication algorithm	Select the authentication algorithm.
Privilege level	Select the privilege level.
Username	User name for authentication.
Password	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.
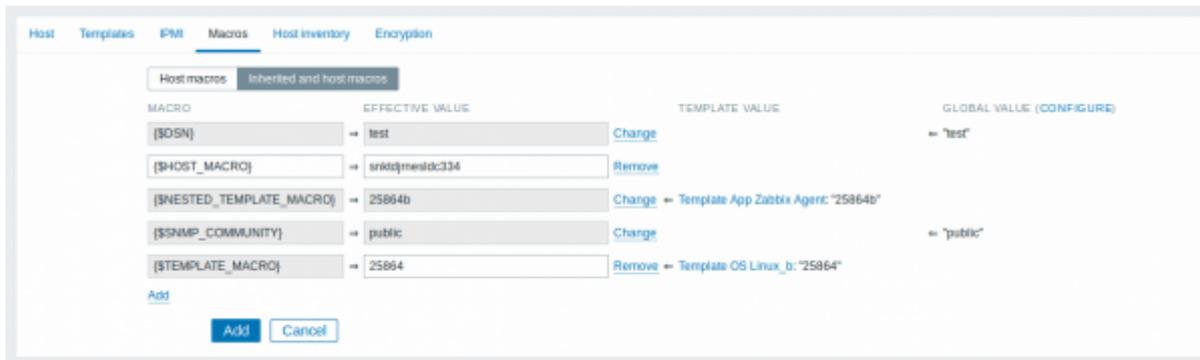
For convenience, links to respective templates and global macro configuration are provided. It is also possible to edit a template/global macro on the host level, effectively creating a copy of the macro on the host.

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
Connections to host	How Zabbix server or proxy connects to Zabbix agent on a host: no encryption (default), using PSK (pre-shared key) or certificate.
Connections from host	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".
Issuer	Allowed issuer of certificate. Certificate is first validated with CA (certificate authority). If it is valid, signed by the CA, then the *Issuer* 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.
Subject	Allowed subject of certificate. Certificate is first validated with CA. If it is valid, signed by the CA, then the *Subject* field can be used to allow only one value of *Subject* string. If this field is empty then any valid certificate signed by the configured CA is accepted.
PSK identity	Pre-shared key identity string. Do not put sensitive information in the PSK identity, it is transmitted unencrypted over the network to inform a receiver which PSK to use.
PSK	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

Host groups

Group name	Zabbix servers
Hosts	Hosts in

Hosts in:
- Zabbix server

Other hosts | Group: All

- New host
- New template
- Template1
- Template2
- Template App FTP Service
- Template App HTTP Service
- Template App HTTPS Service
- Template App IMAP Service
- Template App LDAP Service
- Template App MySQL
- Template App NNTP Service
- Template App NTP Service
- Template App POP Service
- Template App SMTP Service
- Template App SSH Service
- Template App Telnet Service
- Template App Zabbix Agent
- Template App Zabbix Proxy
- Template App Zabbix Server
- Template ICMP Ping
- Template IPMI Intel SR1530
- Template IPMI Intel SR1630
- Template JMX Generic
- Template JMX Tomcat
- Template OS AIX

[Add] [Cancel]

Parameter	Description
Group name	Enter a unique host group name.
Hosts	Select hosts, members of the group. A host group may have zero, one or more hosts.