

## 13 Trapper items

### Overview

Trapper items accept incoming data instead of querying for it.

It is useful for any data you might want to “push” into Zabbix.

To use a trapper item you must:

- have a trapper item set up in Zabbix
- send in the data into Zabbix

### Configuration

#### Item configuration

To configure a trapper item:

- Go to: *Configuration* → *Hosts*
- Click on *Items* in the row of the host
- Click on *Create item*
- Enter parameters of the item in the form

\* Name

Type

\* Key

Type of information

\* History storage period

Allowed hosts

All mandatory input fields are marked with a red asterisk.

The fields that require specific information for trapper items are:

|                     |  |
|---------------------|--|
| Type                | Select <b>Zabbix trapper</b> here.   |
| Key                 | Enter a key that will be used to recognize the item when sending in data.                    |
| Type of information | Select the type of information that will correspond the format of data that will be sent in. |

|                      |   |
|----------------------|---|
| <i>Allowed hosts</i> | <p>List of comma delimited IP addresses, optionally in CIDR notation, or hostnames. If specified, incoming connections will be accepted only from the hosts listed here.</p> <p>If IPv6 support is enabled then '127.0.0.1', '::127.0.0.1', '::ffff:127.0.0.1' are treated equally and '::/0' will allow any IPv4 or IPv6 address. '0.0.0.0/0' can be used to allow any IPv4 address.</p> <p>Note, that "IPv4-compatible IPv6 addresses" (0000::/96 prefix) are supported but deprecated by <a href="#">RFC4291</a>.</p> <p>Example: Server=127.0.0.1, 192.168.1.0/24, 192.168.3.1-255, 192.168.1-10.1-255, ::1,2001:db8::/32, zabbix.domain</p> <p>Spaces and <a href="#">user macros</a> are allowed in this field since Zabbix 2.2.0.</p> <p>Host macros: {HOST.HOST}, {HOST.NAME}, {HOST.IP}, {HOST.DNS}, {HOST.CONN} are allowed in this field since Zabbix 4.0.2.</p> |
|----------------------|---|

You may have to wait up to 60 seconds after saving the item until the server picks up the changes from a configuration cache update, before you can send in values.

### Sending in data

In the simplest of cases, we may use [zabbix\\_sender](#) utility to send in some 'test value':

```
zabbix_sender -z <server IP address> -p 10051 -s "New host" -k trap -o "test value"
```

To send in the value we use these keys:

- z - to specify Zabbix server IP address
- p - to specify Zabbix server port number (10051 by default)
- s - to specify the host (make sure to use the 'technical' [host name](#) here, instead of the 'visible' name)
- k - to specify the key of the item we just defined
- o - to specify the actual value to send

Zabbix trapper process does not expand macros used in the item key in attempt to check corresponding item key existence for targeted host.

### Display

This is the result in *Monitoring* → *Latest data*:



| HOST     | NAME                | LAST CHECK          | LAST VALUE | CHANGE                  |
|----------|---------------------|---------------------|------------|-------------------------|
| New host | - other - (2 items) |                     |            |                         |
|          | Trapper item        | 2015-08-11 18:50:53 | test value | <a href="#">History</a> |

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