

10. Maintenance

Overview

You can define maintenance periods for hosts and host groups in Zabbix. There are two maintenance types - with data collection and with no data collection.

During a maintenance “with data collection” triggers are processed as usual and events are created when required. However, problem escalations are paused for hosts in maintenance, if the *Pause operations while in maintenance* option is checked in action configuration. In this case, escalation steps that may include sending notifications or remote commands will be ignored for as long as the maintenance period lasts.

For example, if escalation steps are scheduled at 0, 30 and 60 minutes after a problem start, and there is a half-hour long maintenance lasting from 10 minutes to 40 minutes after a real problem arises, steps two and three will be executed a half-hour later, or at 60 minutes and 90 minutes (providing the problem still exists). Similarly, if a problem arises during the maintenance, the escalation will start after the maintenance.

To receive problem notifications during the maintenance normally (without delay), you have to uncheck the *Pause operations while in maintenance* option in action configuration.

If at least one host (used in the trigger expression) is not in maintenance mode, Zabbix will send a problem notification.

Zabbix server must be running during maintenance. Timer processes are responsible for switching host status to/from maintenance at 0 seconds of every minute. A proxy will always collect data regardless of the maintenance type (including “no data” maintenance). The data is later ignored by the server if 'no data collection' is set.

When “no data” maintenance ends, triggers using `nodata()` function will not fire before the next check during the period they are checking.

If a log item is added while a host is in maintenance and the maintenance ends, only new logfile entries since the end of the maintenance will be gathered.

If a timestamped value is sent for a host that is in a “no data” maintenance type (e.g. using [Zabbix sender](#)) then this value will be dropped however it is possible to send a timestamped value in for an expired maintenance period and it will be accepted.

To ensure predictable behaviour of recurring maintenance periods (daily, weekly, monthly), it is required to use a common timezone for all parts of Zabbix.

Configuration

To configure a maintenance period:

- Go to: *Configuration* → *Maintenance*
- Click on *Create maintenance period* (or on the name of an existing maintenance period)

The **Maintenance** tab contains general maintenance period attributes:

The screenshot shows the 'Maintenance' tab in the Zabbix web interface. It features a form with the following fields and options:

- Name:** A text input field containing 'Maintenance period'.
- Maintenance type:** A radio button group with two options: 'With data collection' (selected) and 'No data collection'.
- Active since:** A date and time picker showing '2015 - 01 - 01 00 : 00'.
- Active till:** A date and time picker showing '2017 - 01 - 01 00 : 00'.
- Description:** A text area containing the text 'We break and fix things at this time.'

At the bottom of the form are two buttons: 'Add' and 'Cancel'.

Parameter	Description
<i>Name</i>	Name of the maintenance period.
<i>Maintenance type</i>	Two types of maintenance can be set: With data collection - data will be collected by the server during maintenance, triggers will be processed No data collection - data will not be collected by the server during maintenance
<i>Active since</i>	The date and time when executing maintenance periods becomes active. <i>Note:</i> Setting this time alone does not activate a maintenance period; for that go to the <i>Periods</i> tab.
<i>Active till</i>	The date and time when executing maintenance periods stops being active.
<i>Description</i>	Description of maintenance period.

The **Periods** tab allows you to define the exact days and hours when the maintenance takes place. Clicking on *New* opens a flexible *Maintenance period* form where you can define the times - for daily, weekly, monthly or one-time maintenance.

Maintenance **Periods** Hosts & Groups

Periods	PERIOD TYPE	SCHEDULE	PERIOD
	Weekly	At 15:00 on every Friday of every week	1h

Maintenance period

Period type:

Every week(s):

Day of week:

- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday
- Sunday

At (hour:minute): :

Maintenance period length: Days Hours Minute

[Add](#) [Cancel](#)

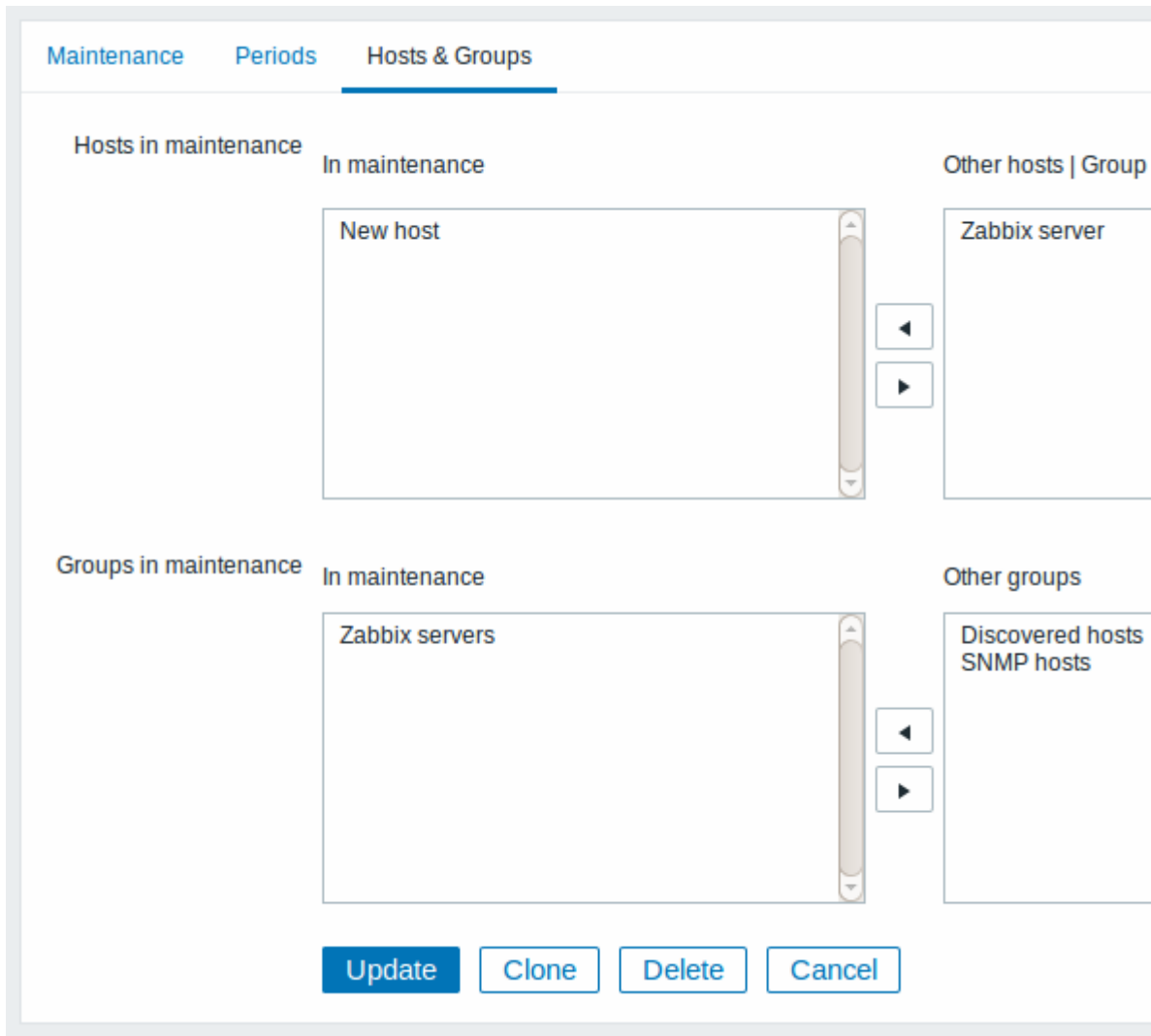
Daily and weekly periods have an *Every day/Every week* parameter, which defaults to 1. Setting it to 2 would make the maintenance take place every two days or every two weeks and so on. The starting day or week is the day or week that *Active since* time falls on.

For example, having *Active since* set to 2013-09-06 12:00 and an hour long daily recurrent period every two days at 23:00 will result in the first maintenance period starting on 2013-09-06 at 23:00, while the second maintenance period will start on 2013-09-08 at 23:00. Or, with the same *Active since* time and an hour long daily recurrent period every two days at 01:00, the first maintenance period will start on 2013-09-08 at 01:00, and the second maintenance period on 2013-09-10 at 01:00.

It is possible to set maintenance time and occurrence in **Periods** which partly or fully doesn't match with active period set in **Maintenance**.

Maintenance periods outside active period will not be [represented](#) in the frontend and will not affect [problem notification](#) behavior.

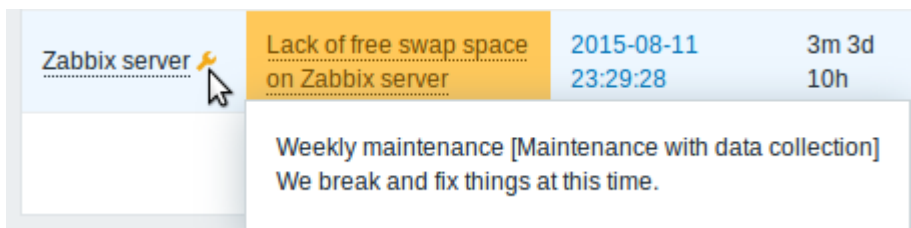
The **Hosts & Groups** tab allows you to select the hosts and host groups for maintenance.



Starting with Zabbix 3.2.2, specifying a parent host group implicitly selects all nested host groups. Thus the maintenance will also be executed on hosts from nested groups.

Display

Icon with an orange wrench near a host name indicates that this host is in maintenance in the *Monitoring* → *Dashboard*, *Monitoring* → *Triggers* and *Inventory* → *Hosts* → *Host inventory details* sections.



Maintenance details are displayed when the mouse pointer is positioned over the icon.

The display of hosts in maintenance in the Dashboard can be unset altogether with the dashboard filtering function.

Additionally, hosts in maintenance get an orange background in *Monitoring* → *Maps* and in

Configuration → *Hosts* their status is displayed as 'In maintenance'.

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