

Zabbix Documentation 3.0

1.8 2.0 2.2 2.4

3.0

3.2 3.4

5 Receiving problem notification

Overview

In this section you will learn how to set up alerting in the form of notifications in Zabbix.

With items collecting data and triggers designed to "fire" upon problem situations, it would also be useful to have some alerting mechanism in place that would notify us about important events even when we are not directly looking at Zabbix frontend.

This is what notifications do. E-mail being the most popular delivery method for problem notifications, we will learn how to set up an e-mail notification.

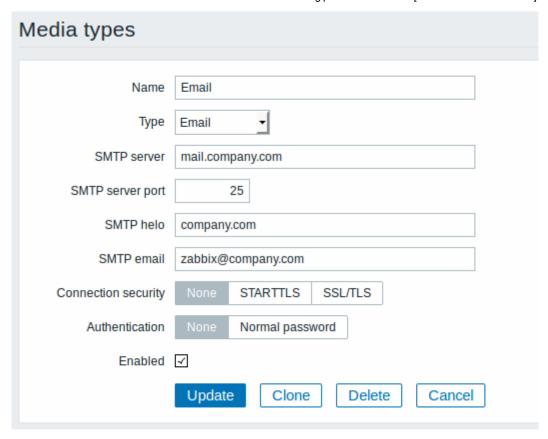
E-mail settings

Initially there are several predefined notification delivery methods in Zabbix. E-mail is one of those.

To configure e-mail settings, go to Administration \rightarrow Media types and click on Email in the list of pre-defined media types.



This will present us with the e-mail settings definition form.



Set the values of SMTP server, SMTP helo and SMTP e-mail to the appropriate for your environment.

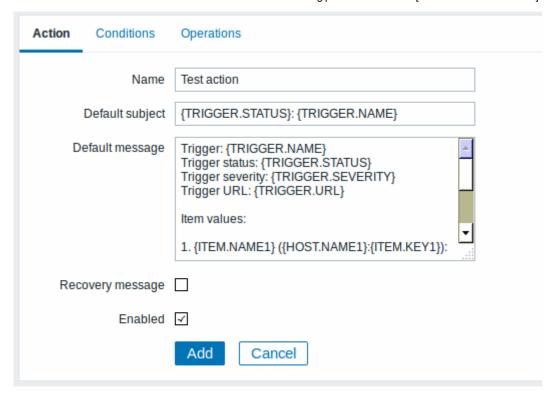
'SMTP email' will be used as the 'From' address for the notifications sent from Zabbix.

Press Update when ready.

Now you have configured 'Email' as a working media type. A media type must be linked to users by defining specific delivery addresses (like we did when configuring a new user), otherwise it will not be used.

New action

Delivering notifications is one of the things $\underline{\underline{actions}}$ do in Zabbix. Therefore, to set up a notification, go to $\underline{Configuration} \to \underline{Actions}$ and click on $\underline{Create\ action}$.

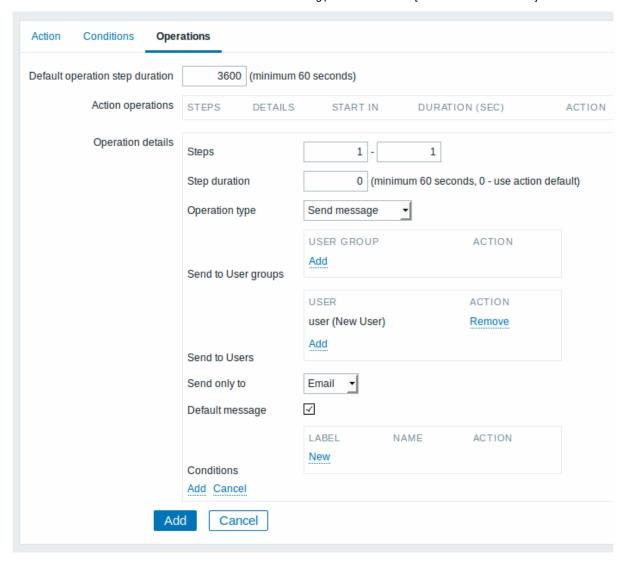


In this form, enter a name for the action.

{TRIGGER.STATUS} and {TRIGGER.NAME} macros (or variables), visible in the *Default subject* and *Default message* fields, will be replaced with the actual trigger status and trigger name values.

In the most simple case, if we do not add any more specific <u>conditions</u>, the action will be taken upon any trigger change from 'Ok' to 'Problem'.

We still should define what the action should do - and that is done in the *Operations* tab. Click on *New* in there, which opens a new operation form.



Here, click on Add in the Send to Users block and select the user ('user') we have defined. Select 'Email' as the value of Send only to. When done with this, click on Add in the operation detail block.

That is all for a simple action configuration, so click Add in the action form.

Receiving notification

Now, with delivering notifications configured it would be fun to actually receive one. To help with that, we might on purpose increase the load on our host - so that our trigger "fires" and we receive a problem notification.

Open the console on your host and run:

cat /dev/urandom | md5sum

You may run one or several of these processes [http://en.wikipedia.org/wiki/Md5sum].

Now go to *Monitoring* → *Latest data* and see how the values of 'CPU Load' have increased. Remember, for our trigger to *fire*, the 'CPU Load' value has to go over '2' for 3 minutes running. Once it does:

- in Monitoring → Triggers you should see the trigger with a flashing 'Problem' status
- you should receive a problem notification in your e-mail

If notifications do not work:

• verify once again that both the e-mail settings and the action have been configured properly

- make sure the user you created has at least read permissions on the host which generated the event, as noted in the <u>Adding user</u> step. The user, being part of the 'Zabbix administrators' user group must have at least read access to 'Linux servers' host group that our host belongs to.
- Additionally, you can check out the action log by going to Reports → Action log.