

1 E-mail

Overview

To configure e-mail as the delivery channel for messages, you need to configure e-mail as the media type and assign specific addresses to users.

Configuration

To configure e-mail as the media type:

- Go to *Administration* → *Media types*
- Click on *Create media type* (or click on *E-mail* in the list of pre-defined media types).

The **Media type** tab contains general media type attributes:

The screenshot shows the 'Media type' configuration form for 'Email'. The form is divided into two tabs: 'Media type' (selected) and 'Options'. The 'Media type' tab contains the following fields and options:

- Name:** Email
- Type:** Email (dropdown menu)
- SMTP server:** mail.company.com
- SMTP server port:** 25
- SMTP helo:** company.com
- SMTP email:** Zabbix info <zabbix@company.com>
- Connection security:** None, STARTTLS, SSL/TLS (selected)
- SSL verify peer:**
- SSL verify host:**
- Authentication:** None, Username and password (selected)
- Username:** [text input field]
- Password:** [text input field]
- Enabled:**

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

Parameter	Description
<i>Name</i>	Name of the media type.
<i>Type</i>	Select <i>Email</i> as the type.

Parameter	Description
<i>SMTP server</i>	Set an SMTP server to handle outgoing messages.
<i>SMTP server port</i>	Set the SMTP server port to handle outgoing messages. This option is supported <i>starting with Zabbix 3.0</i> .
<i>SMTP helo</i>	Set a correct SMTP helo value, normally a domain name.
<i>SMTP email</i>	<p>The address entered here will be used as the From address for the messages sent.</p> <p>Adding a sender display name (like "Zabbix-HQ" in <i>Zabbix-HQ</i> <zabbix@company.com> in the screenshot above) with the actual e-mail address is supported since Zabbix 2.2 version.</p> <p>There are some restrictions on display names in Zabbix emails in comparison to what is allowed by RFC 5322, as illustrated by examples:</p> <p>Valid examples: <i>zabbix@company.com</i> (only email address, no need to use angle brackets) <i>Zabbix HQ <zabbix@company.com></i> (display name and email address in angle brackets) <i>ΣΩ-monitoring <zabbix@company.com></i> (UTF-8 characters in display name)</p> <p>Invalid examples: <i>Zabbix HQ zabbix@company.com</i> (display name present but no angle brackets around email address) <i>"Zabbix\@ \<H(comment)Q\>" <zabbix@company.com></i> (although valid by RFC 5322, quoted pairs and comments are not supported in Zabbix emails)</p>
<i>Connection security</i>	<p>Select the level of connection security:</p> <p>None - do not use the CURLOPT_USE_SSL option</p> <p>STARTTLS - use the CURLOPT_USE_SSL option with CURLUSESSL_ALL value</p> <p>SSL/TLS - use of CURLOPT_USE_SSL is optional</p> <p>This option is supported <i>starting with Zabbix 3.0</i>.</p>
<i>SSL verify peer</i>	<p>Mark the checkbox to verify the SSL certificate of the SMTP server.</p> <p>The value of "SSLCALocation" server configuration directive should be put into CURLOPT_CAPATH for certificate validation.</p> <p>This sets cURL option CURLOPT_SSL_VERIFYPEER.</p> <p>This option is supported <i>starting with Zabbix 3.0</i>.</p>
<i>SSL verify host</i>	<p>Mark the checkbox to verify that the <i>Common Name</i> field or the <i>Subject Alternate Name</i> field of the SMTP server certificate matches.</p> <p>This sets cURL option CURLOPT_SSL_VERIFYHOST.</p> <p>This option is supported <i>starting with Zabbix 3.0</i>.</p>
<i>Authentication</i>	<p>Select the level of authentication:</p> <p>None - no cURL options are set</p> <p>(since 3.4.2) Username and password - implies "AUTH=*" leaving the choice of authentication mechanism to cURL</p> <p>(until 3.4.2) Normal password - CURLOPT_LOGIN_OPTIONS is set to "AUTH=PLAIN"</p> <p>This option is supported <i>starting with Zabbix 3.0</i>.</p>
<i>Username</i>	<p>User name to use in authentication.</p> <p>This sets the value of CURLOPT_USERNAME.</p> <p>This option is supported <i>starting with Zabbix 3.0</i>.</p>
<i>Password</i>	<p>Password to use in authentication.</p> <p>This sets the value of CURLOPT_PASSWORD.</p> <p>This option is supported <i>starting with Zabbix 3.0</i>.</p>
<i>Enabled</i>	Mark the checkbox to enable the media type.

To make SMTP authentication options available, Zabbix server should be compiled with the `--with-libcurl` [compilation](#) option with cURL 7.20.0 or higher.

Options

The **Options** tab in the e-mail media type [configuration](#) contains alert processing settings. The same set of options are configurable for other media types, too.

All media types are processed in parallel. The maximum number of concurrent sessions is configurable per media type, but the total number of alerter processes on server can only be limited by the StartAlerters [parameter](#). Alerts generated by one trigger are processed sequentially.

Parameter	Description
<i>Concurrent sessions</i>	Select the number of parallel alerter sessions for the media type: One - one session Unlimited - unlimited number of sessions Custom - select a custom number of sessions Unlimited/high values mean more parallel sessions and increased capacity for sending notifications. Unlimited/high values should be used in large environments where lots of notifications may need to be sent simultaneously.
<i>Attempts</i>	Number of attempts for trying to send a notification. Up to 10 attempts can be specified; default value is '3'. If '1' is specified Zabbix will send the notification only once and will not retry if the sending fails.
<i>Retry interval</i>	Frequency of trying to resend a notification in case the sending failed, in seconds (0-60). If '0' is specified, Zabbix will retry immediately. Time suffixes are supported, e.g. 5s, 1m.

User media

To assign a specific address to the user:

- Go to *Administration* → *Users*
- Open the user properties form
- In *Media* tab, click on *Add*

Media

Type

Send to

When active

Use if severity Not classified
 Information
 Warning
 Average
 High
 Disaster

Enabled

User media attributes:

Parameter	Description
Type	Select <i>Email</i> as the type.
Send to	Specify the e-mail address to send the messages to. Adding a recipient display name (like "Some User" in <i>Some User <user@domain.tld></i> in the screenshot above) with the actual e-mail address is supported since Zabbix 2.2 version. See examples and restrictions on display name and email address in media type attribute SMTP email description.
When active	You can limit the time when messages are sent, for example, the working days only (1-5,09:00-18:00). See the Time period specification page for description of the format. User macros are supported.
Use if severity	Mark the checkboxes of trigger severities that you want to receive notifications for. <i>Note</i> that for non-trigger events the default severity ('Not classified') is used, so leave it checked if you want to receive notifications for non-trigger events.
Status	Status of the user media. Enabled - is in use. Disabled - is not being used.

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