

10. Regular expressions

Overview

Complex regular expressions can be created and tested in the Zabbix frontend.

After a regular expression has been created, it can be used in several places in the frontend by referring to its name, prefixed with @, for example, @mycustomregexp.

All regular expressions in Zabbix, whether created with the advanced editor, or entered manually, support [POSIX extended regular expressions](#).

Configuration

To create a regular expression:

- Go to: *Administration* → *General*
- Select *Regular expressions* from the dropdown
- Click on *New regular expression*



Set the regular expression name. Any Unicode characters are allowed in the name.

A custom regular expression name in Zabbix may contain commas, spaces, etc. In those cases where that may lead to misinterpretation when referencing (for example, a comma in the parameter of an item key) the whole reference may be put in quotes like this: "@My custom regexp for purpose1, purpose2".

Regular expression names must not be quoted in other locations (for example, in LLD rule properties).

To add a new subexpression, click on *New* in the Expressions block.

A custom regular expression may consist of multiple subexpressions, and it can be tested by providing a test string. Results show status of each subexpression and total custom expression status.

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