

10. Regular expressions

Overview

POSIX extended regular expressions are supported in Zabbix.

There are two ways of using regular expressions in Zabbix:

- manually entering a regular expression
- using a global regular expression created in Zabbix

Regular expressions

You may manually enter a regular expression in supported places. Note that the expression may not start with @ because that symbol is used in Zabbix for referencing global regular expressions.

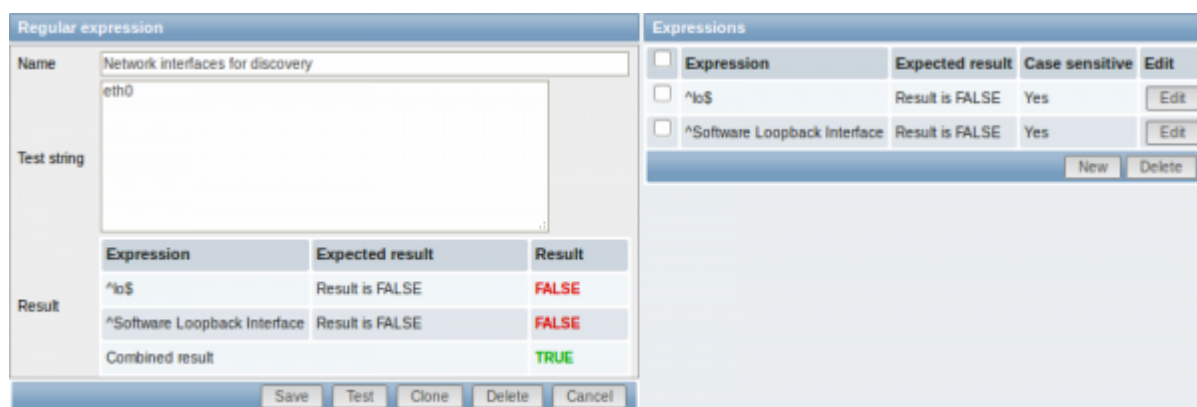
Global regular expressions

There is an advanced editor for creating and testing complex regular expressions in Zabbix frontend.

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

To create a global 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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