### mpsearch

Matches thousands or more keyword patterns simultaneously. When the pattern specified in the subquery is detected in the field subject to be matched, it assigns a list of all detected patterns to the **\_mp\_result** field.

#### Syntax

mpsearch FIELD [ SUBQUERY ]

Required Parameter

**FIELD**

Name of field to match multi-patterns.

**[ SUBQUERY ]**

Subquery to load the list of keyword patterns to be searched, enclosed in a pair of square brackets ([ ]).

#### Description

The output of the subquery must contain the **expr**, **expr2**, and **rule** string fields.

* **expr** (required): Write it by combining strings into a boolean expression. The command quickly detects the corresponding string from the values of the strings of the field to be scanned and then checks whether it matches the expression.
* **expr2** (optional): If the boolean expression in the **expr** field is true, this selectively provides an opportunity to match further using the values in other fields.
* **rule** (required): Provide the pattern identifier or name.

Examples of patterns are as follows:

**Examples of pattern**

|  |  |  |
| --- | --- | --- |
| expr (required) | expr2 (optional) | rule (required) |
| "addextendedproc" and "xp\_cmdshell" |  | xp\_cmdshell |
| "REMOTE\_ADDR" and ("fputs" or "fwrite") | path == "lib.php" | zb now\_connect |

If only the xp\_cmdshell pattern is detected, the value of the **\_mp\_result** field is as follows:

[ { "expr": "\"addextendedproc\" and \"xp\_cmdshell\"", "rule": "xp\_cmdshell" } ]

#### Usage

Match multi-patterns to the signature field by loading the pattern list from the external DB.

mpsearch signature [ dbquery RULE\_DB select rule, expr, expr2 from web\_rules]