Summary

Zabbix 5.4 introduced a new syntax for trigger expressions and calculations. However, simple macros still have an old-style syntax {host:key.func(params)}. We must drop simple macros in favor of expression macros {? *expression* }.

Use cases

1. I want the syntax for simple macros {host:key.func(params)} to be consistent with other places where functions are used.

Zabbix acceptance

1. Simple macros {host:key.func(params)} must be replaced by expression macros {? *expression* }
    a. The full syntax for expression macros (as implemented in Trigger event names) must be supported by the server in:
        i. trigger-based notifications and commands
        ii. problem update notifications and commands
    b. The simplified syntax for expression macros is {?func(/host/key,params)} with func limited to avg,last,max,min
        i. It must be supported by the front-end in:
            1. Map element/shape labels
            2. Graph names
            3. Link labels in maps
    c. The DB upgrade patch must convert {host:key.func(params)} to {?func(/host/key,params)} in the entities above
        i. The patch must have protection against truncated (and thus invalid) expression macros due to the DB field length limit
            1. Macros that can not be converted without exceeding the length limit must be left intact with a warning printed in the log file
        ii. The patch must replace all {HOST.HOST} macros with implicit reference to the current host
            1. {{HOST.HOST}:key.func(params)} → {?func(//key,params)}

Zabbix UI changes

1. N/A

Nonfunctional requirements

1. N/A

Decisions made

1. No full expression macros and the same limited set of functions in the front-end.

Open questions

1. N/A

Changes log

- N/A