

# Summary

Let's add more built-in macros to address new use cases.

## Use case

1. I need to use time stamps for custom time and date formatting or for raw usage (e.g. in HTTP headers)
2. I need to access service id to create links to frontend
3. I need to access host's port in various contexts
4. I need to access event update details in JSON format for further processing in JS

## Zabbix acceptance

1. Add macros for
  - a. timestamps
    - i. {TIMESTAMP}, {EVENT.TIMESTAMP}, {EVENT.RECOVERY.TIMESTAMP}, {EVENT.UPDATE.TIMESTAMP}, {EVENT.CAUSE.TIMESTAMP}, {ITEM.LOG.TIMESTAMP}
    - ii. support in contexts where {\*TIME} supported
  - b. service id
    - i. {SERVICE.ID}
    - ii. support in contexts where {SERVICE.\*} supported
  - c. update actions in JSON
    - i. {EVENT.UPDATE.ACTIONJSON} (see example), include fields
      1. update\_severity (0/1), oldseverity, newseverity
      2. update\_message (0/1), message
      3. acknowledge (0/1), unacknowledged (0/1)
      4. update\_suppress (0/1), update\_unsuppress (0/1), suppress\_till
      5. time, timestamp
2. Extend {HOST.PORT}
  - a. Support the same contexts as {HOST.CONN} except Trapper item "Allowed hosts" field

## Example

{EVENT.UPDATE.ACTIONJSON} for message update:

```
{
  "update_severity": 0,
  "update_message": 1,
  "message": "Work in progress",
  "acknowledge": 0,
  "update_suppress": 0,
  "time": "2024.08.29 11:12:13",
  "timestamp": 1724934627
}
```

## Zabbix UI changes

1. N/A