

## Summary

Currently Zabbix does not provide well visible template versions. It makes management and upgrade of templates quite difficult. Zabbix users have no idea what kind of templates are installed on their systems, some of the templates can be very old. If we introduce a new template attribute version it will be a great improvement.

The primary goal of these requirements is to address the issue of finding outdated standard templates after upgrade. In the future this functionality will be extended to mark such outdated templates and download newer ones straight from Zabbix UI.

## Use cases

1. I want to see what versions of standard templates I have
2. I want to know which standard templates are outdated

## Zabbix acceptance

1. Zabbix must support new template attributes *vendor\_name*, *vendor\_version* (the new fields)
  - a. UI must display the new fields in the list of templates and template details
    - i. filtering by new fields must be supported
  - b. Setting/modification of the new fields must be only allowed from API (template.\*) and by the template import
    - i. the new fields must be either non-empty or both empty
    - ii. modification in the UI is not allowed
  - c. Cloned templates must not retain the values of the new fields
  - d. In the export file, the new fields must be enclosed in the section *vendor* and have names *name*, *version*
2. Template export must
  - a. export the new fields (if not empty)
  - b. not export time information anymore
3. Template import must overwrite the new fields
  - a. Files without the new fields (e.g. old templates) must be treated as having empty new fields
4. Standard templates must include
  - a. *vendor\_version*, set to
    - i. combination of:
      1. major version of Zabbix (for which this template was created, e.g. 6.4)
      2. delimiter ("-")
      3. revision number (0, 1, etc)
        - a. increases whenever the new version of the template released
        - b. does not increase if a template has not changed in the new minor version of Zabbix
        - c. resets to 0 with each next major version of Zabbix
    - ii. Example: **6.4-0**, **6.4-5**, **7.0-3**
  - b. *vendor\_name*, set to Zabbix

# Zabbix UI changes

## 1. New filter options and new columns in the list of templates

The screenshot shows the Zabbix template list interface. At the top, there are search fields for 'Template groups' and 'Linked templates', both with 'type here to search' placeholder text and 'Select' buttons. To the right, there are 'Tags' filters with 'And/Or' and 'Or' options, a 'tag' input, a 'Contains' dropdown, a 'value' input, and a 'Remove' button. Below these are input fields for 'Name' (containing 'Linux by'), 'Vendor', and 'Version'. At the bottom of the filter section are 'Apply' and 'Reset' buttons.

<input type="checkbox"/>	Name ▲	Hosts	Items	Triggers	Graphs	Dashboards	Discovery	Web	Vendor	Version	Tags
<input type="checkbox"/>	Linux by Prom	Hosts	Items 34	Triggers 12	Graphs 7	Dashboards 2	Discovery 3	Web	Zabbix	6.4-0	class: os target: linux
<input type="checkbox"/>	Linux by Zabbix agent	Hosts 1	Items 42	Triggers 14	Graphs 8	Dashboards 2	Discovery 3	Web	Zabbix	6.4-0	class: os target: linux
<input type="checkbox"/>	Linux by Zabbix agent active	Hosts	Items 41	Triggers 14	Graphs 8	Dashboards 2	Discovery 3	Web	Zabbix	6.4-0	class: os target: linux

At the bottom of the table, there are buttons for 'Export', 'Mass update', 'Delete', and 'Delete and clear'. The status '0 selected' is shown on the left, and 'Displaying 3 of 3 found' is shown on the right.

## 2. New fields in the template editing form

The screenshot shows the Zabbix template editing form for 'Linux by Zabbix agent'. The breadcrumb navigation is 'All templates / Linux by Zabbix agent'. Below the breadcrumb, there are tabs for 'Templates', 'Tags 2', 'Macros 26', and 'Value mapping 4'. The form fields are:

- \* Template name: Linux by Zabbix agent
- Visible name: Linux by Zabbix agent
- Templates: type here to search (with 'Select' button)
- \* Template groups: Templates/Operating systems (with 'Select' button)
- Description: Official Linux template. Requires agent of Zabbix 3.0.14, 3.4.5 and 4.0.0 or newer. Known Issues: Description: Network discovery. Zabbix agent as of 4.2 doesn't support items
- Vendor and version: Zabbix, 6.4-0

At the bottom of the form are buttons for 'Update', 'Clone', 'Full clone', 'Delete', 'Delete and clear', and 'Cancel'.

## Decisions made

1. Free form string for vendor\_version, no separate field for revision.
2. The signature support for standard templates is out of scope now.

## Open questions

1. N/A

## Changes log

- 1.1
  - Simplified versioning principle
- 1.2
  - name and version must be nested in vendor in the export file, changed labels

