

Summary

Most standard items in Zabbix have well-defined return types, yet users must always choose return types manually. Item details form should be more helpful and, where possible, infer the return type from the item key.

Use cases

1. Sometimes I forget to set "Type of information" field when adding new item.
2. I don't want to set the "Type of information" field manually every time I define a new item.
3. I want to have an unobtrusive sanity check for "Type of information" when I enter the item key in the Item details form.

Zabbix acceptance

1. Item details form must be changed for items and item prototypes:
 - a. Field "Type of information" must be added to tab "Preprocessing" of Item details form.
 - i. Visible and editable on this tab only if there is at least one preprocessing rule
 - ii. Always visible and editable on the "Item" tab
 - b. On key selection "Type of information" must be pre-filled automatically if both are true:
 - i. The item doesn't have preprocessing rules, and
 - ii. The type can be inferred only by checking the key (not key parameters)
 1. Examples:
 - a. The user selects or enters key system.hw.cpu, "Type of information" doesn't change (because its return type depends on the 2nd parameter)
 - b. The user selects or enters key system.hw.macaddr, "Type of information" is set to String automatically
2. A hint must be displayed near "Type of information"
 - a. It must be visible if both are true:
 - i. "Type of information" doesn't match the inferred type (same check as in 1.b.ii)
 - ii. There are no preprocessing rules for this item
 - b. It must show "This type may not match Key"
3. Item details form must display a yellow icon (warning) instead of green one near History/Trend storage period when history is overridden.