

Zabbix: travailler avec une clé JSON (exemple avec monitoring gateway sur opnsense)

Prennons l'exemple d'une clé nommée vincent qui va retourner un json:

The screenshot shows the 'Services: Zabbix Agent: Settings' page. The 'Main Settings' tab is selected. In the 'User Parameter Key' section, the key 'vincent' is highlighted with a red box. In the 'User Parameter Command' section, the command 'pluginctl -r return_gateways_status' is entered and also highlighted with a red box. The 'Enabled' checkbox is checked. At the bottom, there is an 'Apply' button.

(noter qu'il faut mettre sudo d'abord pour que les données soient fetchées)

1. Créer un nouvel item sur un hôte de type texte qui ira collecté la clé créée

The screenshot shows the 'Éléments' (Items) creation dialog. The 'Nom' field is set to 'vincent'. The 'Type' dropdown is set to 'agent Zabbix' (marked with a red circle 1). The 'Clé' field is set to 'vincent' (marked with a red circle 2). The 'Type d'information' dropdown is set to 'Texte' (marked with a red circle 3). Other settings include 'Interface hôte' as '10.0.0.1:10050', 'Intervalle d'actualisation' as '10s', and 'Période de stockage de l'historique' as 'Ne pas conserver l'historique'. The 'Activé' checkbox is checked. At the bottom, there are buttons for 'Actualiser', 'Clone', 'Exécuter maintenant', 'Test', 'Effacer l'historique et les tendances', 'Supprimer', and 'Annuler'.

2. Puis cliquer sur les petits points à la hauteur de l'élément créé et créer un élément dépendant

The screenshot shows the Zabbix interface under the 'Éléments' (Elements) section. The left sidebar is visible with various navigation options like 'Tableaux de bord', 'Surveillance', 'Services', etc. The main area shows a table of elements with columns 'Nom' (Name), 'Déclencheurs' (Triggers), and 'Clé' (Key). A search bar at the top right filters results for 'gateway.makeitsim...'. Below the table, a modal window is open, showing a dropdown menu with several options. Two specific items are highlighted with red circles and numbers: 'Créer un élément dépendant' (Create a dependent element) at position 2, and 'Créer une règle de découverte dépendante' (Create a dependent discovery rule) just below it.

3. Lui donner un nouveau nom et une nouvelle clé, toujours en type texte puis se rendre dans prétraitement

The screenshot shows the Zabbix interface under the 'Éléments' (Elements) section. The left sidebar is visible. A specific element named 'Prétraitement 1' is selected and shown in detail. The configuration form includes fields for 'Nom' (Name) set to 'vincent2' (marked with a red circle 1), 'Clé' (Key) set to 'vincent2' (marked with a red circle 2), and 'Type' (Type) set to 'Élément dépendant'. Other settings include 'Type d'information' (Information type) as 'Texte', 'Élément maître' (Master element) as 'gateway.makeitsimple.lan: vincent.' (marked with a red circle 3), and 'Période de stockage de l'historique' (Historical data storage period) as '90d'. The 'Activé' (Active) checkbox is checked. At the bottom, there are buttons for 'Actualiser' (Update), 'Clone', 'Exécuter maintenant' (Run now), 'Test', 'Effacer l'historique et les tendances' (Delete history and trends), 'Supprimer' (Delete), and 'Annuler' (Cancel).

4. Choisir jsonpath et définir le chemin qui vous intéresse, exemple: \$.dpinger.WAN_PPPOE.status

Mettre un regex pour filtrer l'unité de mesure.

Items

The screenshot shows the Zabbix 'Items' configuration page. A preprocessing step is defined with two steps: 1. JSONPath: \$dpinger.WAN_COAX_GW4.delay and 2. Regular expression: \d{1,4}.\d{1,4} \0. The result is a numeric float type information.

Preprocessing steps	Name	Parameters	Custom on fail	Actions
1: JSONPath	\$dpinger.WAN_COAX_GW4.delay		<input type="checkbox"/>	Test Remove
2: Regular expression	\d{1,4}.\d{1,4}	\0	<input type="checkbox"/>	Test Remove

Type of information: Numeric (float) [Update](#) [Clone](#) [Execute now](#) [Test](#) [Clear history and trends](#) [Delete](#) [Cancel](#)

1. Exemple d'un trigger:

Déclencheurs

The screenshot shows the Zabbix 'Triggers' configuration page. A new trigger is being created for 'Connexion principale down'. The expression is set to 'Et' (And) and includes two conditions: 'A last(/gateway/gateway_status_status_main,#10)<>"none"' and 'B last(/gateway/gateway_status_status_main,#10)<>"delay"'. The severity is set to 'Haut' (High).

Cible Expression	Action	Info
<input checked="" type="checkbox"/> Et	Supprimer	
<input type="checkbox"/> ↳ A last(/gateway/gateway_status_status_main,#10)<>"none"	Supprimer	
<input type="checkbox"/> ↳ B last(/gateway/gateway_status_status_main,#10)<>"delay"	Supprimer	

A and B

Triggers

All hosts / [REDACTED] Enabled ZBX Items 83 Triggers 21 Graphs 23 Discovery rules 2 Web scenarios

Trigger Tags Dependencies

* Name

Event name

Operational data

Severity Not classified Information Warning Average High Disaster

* Expression Add

Expression constructor

OK event generation Expression Recovery expression None

PROBLEM event generation mode Single Multiple

OK event closes All problems All problems if tag values match

Allow manual close

Menu entry name ?

Menu entry URL

Description

Enabled

Update Clone Delete Cancel

From:

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Last update: **2024/02/15 08:21**

