



User guide : dynamic discovery

Zabbix Report

Dynamic discovery is a great feature of Zabbix that allows getting some metadata on element to discover in the monitored architecture, then apply some measurement prototypes to each of the discovered items. A usual example of this feature is when discovering automatically storage disks on a server to monitor their size.

The Zabbix Report plugin has special URLs to let Zabbix make discovery of:

- Course categories
- Courses
- Authentication methods

At start, but the model is fully extensible to anything else that would need to be dynamically inspected.

Note that Discovery is part of the Pro version of the plugin and needs a valid License Key to be available.

Setting up the dynamic discovery

Dynamic discovery can be tuned in the Zabbix Report global settings, in order to focus to exploitable items and reduce the scanning range.

Specific pro settings

Discovery

<p>Token for zabbix discovery queries <small>report_zabbix discoverytoken</small></p>	<input style="width: 100%;" type="text"/> Default: Empty <p>Setup a token and give the value for the discovery rules for that host</p>
<p>Allow categories discovering <small>report_zabbix discovercategories</small></p>	<input type="checkbox"/> Default: No <p>If checked, categories will be discovered using following settings</p>
<p>Allow discovery using <small>report_zabbix allowdiscoveryusing</small></p>	<input style="width: 100%;" type="text" value="Category id"/> Default: Category id <p>Select the identifier field to use when discriminating top categories for discovery.</p>
<p>Allow discovery in <small>report_zabbix allowdiscoveryin</small></p>	<input style="width: 100%;" type="text"/> Default: Empty <p>A comma separated list of category identifiers where to operate category buckets discovery. All top level categories are captures if empty.</p>
<p>Categories to exclude <small>report_zabbix excludecategories</small></p>	<input style="width: 100%;" type="text"/> Default: Empty <p>A coma separated list of category ids or idnummers (depending on "using" choice) to exclude from discovery.</p>
<p>Discover hidden categories <small>report_zabbix discoverhiddencategories</small></p>	<input type="checkbox"/> Default: No <p>If enabled, hidden categories also will be captured and graphed.</p>

Related: [Discovery Rules](#)

Token for zabbix discovery queries: First of all we need to secure the discovery process. Enter here a randomly generated token you will also report in Zabbix recovery parameters. This will ensure your moodle NOT TO BE scanned by other agents. A MD5 token is usually enough to secure the communication.

Token will have to be reported in discovery rules settings **for each rule**. Discovery rules are pre-installed when assigning the model to the zabbix host definition.

The screenshot shows the Zabbix Discovery rule configuration interface. At the top, there are tabs for 'Discovery rule', 'Preprocessing', 'LLD macros 2', 'Filters', and 'Overrides'. The current rule is named 'MOODLE'. The configuration fields are as follows:

- Name:** Catégories
- Type:** HTTP agent
- Key:** moodle.courses.topcategories
- URL:** https://{HOST.HOST}/report/zabbix/pro/ajax/discovery.php

Under the 'Query fields' section, there is a table with two rows:

Name	Value	
token	AZERTY1234	Remove
action	discovertopcategories	Remove

At the bottom, the 'Request type' is set to GET.

Allow categories discovering: Check this checkbox to enable course category discovery.

Allow discovery using: You can choose to discover by ID or by IDNumber. Sometime, IDNumbers can make things easier when we need to identify a category. This parameter will have impact on both following settings:

Allow discovery in: A list of Ids (or IDNumbers) or parent root categories to discover. If empty, the top level categories will be discovered. Note that discovery IS NOT RECURSIVE, only direct children of the given ids will be retrieved.

Categories to exclude: a list of category ids (or IDNumbers) to exlude from the above result.

Discover hidden categories: Does what it tells...

Discover courses Default: No
report_zabbix | discovercourses
If true, enables course discovering by zabbix for significant courses.

Allow course discovery using Default: Category id
report_zabbix | allowcoursediscoveryusing
Select the identifier field to use when discriminating courses to discover.

Discover courses in categories Default: Empty
report_zabbix | discovercoursesincategories
A comma separated list of category identifiers where to discover courses. Will add to course "pickup" list. Exclusions will apply further.

Courses to discover Default: Empty
report_zabbix | coursesdiscover
A coma separated list of category ids or idnumbers (depending on "using" choice) to exclude from discovery.

Courses to exclude Default: Empty
report_zabbix | discoverexcludecourses
A coma separated list of course ids or idnumbers (depending on course "using" choice) to exclude from discovery.

Allow course discovering: Check this checkbox to enable course discovery.

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