



User guide

Zabbix Report

Overall Presentation

The Zabbix report is report plugin performing measurements and data emission to a Zabbix Server and has **no direct interface** in Moodle. Only global configuration is necessary to ensure operation. The measurement results are exploited in the Zabbix interface, through graphs, recollection screens, or customized dashboards.

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Report configuration

Zabbix Sender

Zabbix server protocol <small>report_zabbix zabbixprotocol</small>	<input type="text" value="HTTPS"/> Default: HTTPS
Protocol of zabbix server. Zabbix server should be addressed directly without protocol redirection	
Zabbix server version <small>report_zabbix zabbixversion</small>	<input type="text" value="6.4"/> Default: 6.4
Version of zabbix. This may affect how moodle connects to zabbix (fe. for registering).	
Zabbix server IP or servername <small>report_zabbix zabbixserver</small>	<input type="text"/> Default: Empty
Direct IP of zabbix server or proxy. Can use dns names as known by the current environment	
Web path to Zabbix API <small>report_zabbix zabbixapipath</small>	<input type="text"/> Default: Empty
An absolute path (starting with slash) to append to server name to find the Zabbix web front end (often defaults to /zabbix).	
Moodle registered hostname in zabbix <small>report_zabbix zabbixhostname</small>	<input type="text" value="moodle45-progressive.activeprolearn.c"/> Default: moodle45-progressive.activeprolearn.com
Host name associated to the MOODLE application template. Will default to local WWWROOT.	
zabbix_sender shell command <small>report_zabbix zabbixsendercmd</small>	<input type="text" value="/usr/bin/zabbix_sender"/>
Default: /usr/bin/zabbix_sender	
The zabbix_sender command location	

Zabbix server protocol zabbixprotocol: The server's protocol used for administration operations using the zabbix API. the Zabbix server should be directly accessible without redirects. Default : HTTPS

Zabbix server IP zabbixserver: direct IP of the server or zabbix proxy. A known DNS name is acceptable - Default: Empty

Moodle host name in zabbix zabbixhostname: The host name used to defined the host entry in the Zabbix server configuration. Herein name must match exactly what was used in host definition.

zabbix_sender shell commandzabbixsendercmd: The location of the “sender” command to send

data to Zabbix. Defaults to: `/usr/bin/zabbix_sender`

User roles `userrolepolicy`: Method for determination of user roles. Some methods require special configurations.

Default: Resolution based on standard role assignments of moodle. **Other choice:** Resolution based on profile fields (case of Moodle in ENTs)

Username `zabbixadminusername`: The administrator's username who can operate the Zabbix API. This user must have been created in the Zabbix administration. This user does NOT need to access the Zabbix frontend. However, he do needs to read and write in the MOODLE models of the zabbix host associated with Moodle. Default: admin

Zabbix password `zabbixadminpassword`: The administrator's password allowed to operate the Zabbix API.

Zabbix groups `zabbixgroups`:

Groups (comma separated list) to attach this host to. Zabbix hosts representing a moodle can be grouped into zabbix groups to perform measurement consolidations using a MOODLE GROUP template. This template provides predefined aggregations on most common indicators.

Definition of the local interface `interfacedef`: A method to inform Zabbix server on which network interface it will communicate with this server. Default : By DNS

In operation `tellithasstarted`: By activating this box, you inform Zabbix that this platform is a production environment. This is usefull when grouping moodles in a Moodle Group in Zabbix, so that effective production plaforms can be identified (vs. candidate instances, or preproduction instances).

You can alternatively define a finer heuristic using a SQL query to determine this state. Explicit activation (this parameter) prevails. Default: Waiting for operation

SQL heuristic for exploitation `tellithasstartedsql`: An SQL query delivering a result named "started" determines the production state of the operation. Default: Empty

Registration in zabbix: By using this form, and pursuant your Zabbix administrator remote user is created and has sufficient permissions, you can ask the Zabbix server to register the local host definition that matches this Moodle.

PRO version

By entering activation keys obtained from your TMA provider, you will activate the plugin's additional features:

- Moodle Plugins local indicators
- Zabbix discovery of Moodle dynamic environment
- Moodle administrator defined custom measurements (without coding)

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