ETL Report: User guide

Handling extraction reports is only possible for administrator users, since these extractors have very global access to the data stored in Moodle.

Setting up extraction instances

For each extraction plugin, it is possible to configure several report instances, for example if several third-party applications need to use Moodle data. Be careful however that the extraction loads induced by each instance will then add up.

- Navigate to `Administration > Reports > ETL data extraction`
- Activate the tab of the plugin you want to instantiate
- Click the `Add an ETL instance` link at the bottom of the page
- Fill in the configuration settings and save the instance

Accessing the data of an extraction plugin through web services

To access the extraction data, you can use the standard Moodle web services. The ETL report provides two web services described in the Technical guide.

To do so you will need to:

- Prerequisites:
  - Enable Moodle web services (in general)
  - Enable the protocol matching what your client data application uses.
  - Identify a user carrying the web service requests in Moodle. This user must have the capabilities required to use web services on the chosen protocol.
  - Add the user designated above to the authorized users of the “Moodle ETL” service
  - Create a token for this user on this service

From that point on, the data extraction can be called by your client application in the form:

```
https://<mymoodle>/service/rest/server.php?wstoken=<token>&wsfunction=report_etl_get&plugin=<etlpluginname>&id=<etlplugininstance>&queryparams=<jsonparams>
```

Each plugin can request specific local parameters, presented in the `queryparams` parameter as an object serialized in JSON. It is preferable to URL-encode the expression of this JSON object.

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