Local Definum: Statistics extraction and Definum services: Technical guide

Access to the service

The statistics are accessible through a REST URL on the Moodle services API. Token authentication is used and must be set up in the Moodle contacted.

The form of the request to use is:

```
https://<moodlewwwroot>/webservice/rest/server.php?wstoken=<token>&wsfunctio
n=definum_get_stats&useridfield=<useridfield>&userid=<userid>
```

where

- **wstoken**: is the access authorisation token set up by the administrator
- **useridfield**: is the name of the reference identity field
- **userid**: is the value of the identity field, depending on the choice above

Possible values for "useridfield"

- **id**: Moodle internal identifier
- **username**: Moodle user name
- **idnumber**: User identification number (if provisioned)
- **email**: For platforms authenticating on email
- **oidcuniqid**: the unique OpenID Connect identifier for users provisioned by an OpenID source.
- **oidcusername**: The OpenID Connect user name for users provisioned by an OpenID source.

Data transmitted

```
                'id' => new external_value(PARAM_INT, 'userid'),
                'lastname' => new external_value(PARAM_TEXT, 'User last
name'),
                'firstname' => new external_value(PARAM_TEXT, 'User first
name'),
                'courses' => new external_value(PARAM_INT, 'Number of enrolled
courses'),
                'finishablecourses' => new external_value(PARAM_INT, 'Courses
enrolled having completion enabled'),
                'finishedcourses' => new external_value(PARAM_INT, 'Finished
courses'),
                'finishedcoursesratio' => new external_value(PARAM_INT,
'Finished courses in percent'),
                'badges' => new external_multiple_structure(
                    new external_single_sructure([
                        'id' => new external_value(PARAM_INT, 'Badge id'),
                        'name' => new external_value(PARAM_INT, 'Badge name'),
```

```
                        'issuername' => new external_value(PARAM_INT, 'Badge
issuer name'),
                        'issuerurl' => new external_value(PARAM_INT, 'Badge
issuer url'),
                        'issuercontact' => new external_value(PARAM_INT,
'Badge issuer contact'),
                        'dateissued' => new external_value(PARAM_INT, 'Badge
issue date'),
                        'dateissuedstr' => new external_value(PARAM_INT,
'Badge issue date (readable format)'),
                    ])
                ),
                'numbadges' => new external_value(PARAM_INT, 'Number of
acquired badges'),
                'lastlogin' => new external_value(PARAM_INT, 'last login
time'),
                'lastloginstr' => new external_value(PARAM_TEXT, 'last login
time (readable text formatted)'),
                'timespentinmonth' => new external_value(PARAM_INT, 'time
spent in seconds from the month start (1st of month)'),
                'timespentinmonthstr' => new external_value(PARAM_TEXT, 'Time
spent (readable text formatted)'),
                'loginsinmonth' => new external_value(PARAM_INT, 'Number of
connections from the start of month')
```

Back to the deffinum plugin index - Back to plugins index

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