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Performance DNA Moodle Integration Setup Guide

Performance DNA 9.0

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Performance DNA Moodle Integration Setup Guide

This guide describes how to complete an integration between Optimizer and Moodle. Topics contained in this guide include the following:

- [Prerequisites](#)
- [Moodle Configuration](#)
- [Optimizer Configuration](#)

Prerequisites

The integration between Optimizer and Moodle requires the following:

- Moodle version 2.8.3. or later
- Network connectivity for Optimizer and Moodle

Moodle Configuration

To support the Optimizer, Moodle configuration, a new external service plugin must be added to Moodle. Follow the steps below to create this service.

1. Login to your Moodle instance as an administrator.
2. Browse to the External services page from the Home > Site Administration > Plugins > Web Services menu.
3. Click the Add link to add a new External Service.
4. Enter a name, short name in the new External service form and set the service to be enabled and (optionally) set to allow Authorized users only. Then click the Add service button.
5. From the External services menu, locate the new service and click the Functions link.
6. Click the Add functions link.
7. Search and add the following functions to the new service:
 - core_course_get_courses
 - core_course_get_categories
 - core_user_get_users
 - enrol_manual_enrol_users
 - core_enrol_get_users_courses
 - block_rate_course_suggest_course
8. Return to the External services page.
9. Click the Authorized users link for the new service.
10. Create a new user and move user to the left part of the page (so that they are listed in the Authorized users pane). Alternatively, an existing user can be used. Note: the authorized user must have site admin privileges.
11. Browse to the Manage Protocols page from the Site Administration > Advanced Features > Plugins > Web Services menu.
12. If the REST protocol is not enabled, enable it and click the Save changes button.
13. Browse to the Manage Token page from the Site Administration > Advanced Features > Plugins > Web Services menu.
14. Click the Add link.
15. Search for the user who was previously authorised to use the new service in the Search bar and select the user from the results.
16. Select the new service from the Service dropdown, leave the IP restriction field empty and the valid until control disabled, then click Save changes.
17. Once the token is created, make a note of the token code as this is required in the Optimizer configuration

Optimizer Configuration

Follow the steps below to configure the Moodle integration in Optimizer.

1. Login to Optimizer as an administrator
2. Click the System Settings link from the System menu.
3. Click the General Settings tab.
4. Ensure that the LMS Integration Enabled option is ticked.
5. Enter the Moodle URL in the LMS URL field (e.g. www.yourmoodle.com/moodle).
6. Set the LMS Type to the appropriate LMS for your environment.
7. Enter the Moodle token created previously into the LMS Webservice token field.
8. Set the LMS UserID Field to the user field that matches the users' Moodle usernames.
9. Click the Save Changes button.

Once the above changes have been applied, it will be possible to create Moodle course learning items within Optimizer and assign them to users. The users will then be assigned to the associate courses when they access Moodle.