

HarvestRoad Hive Moodle Repository Plugin

Installation and Administration Guide

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Version Control

Version	Author	Date	Reason for change
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1 Introduction

The HarvestRoad Hive Moodle Repository Plug-in provides seamless integration between HarvestRoad Hive® and Moodle 2. This plug-in has been developed using Moodle's Repository API and runs on a Moodle server version 2.

1.1 Required Software

Following is the required software for a HarvestRoad Hive installation that is integrated with Moodle 2.

- HarvestRoad Hive ® version 4.2.
- HarvestRoad Hive ® Web Services version 4.2.0.3.4.
- HarvestRoad Hive Moodle Repository Plug-in version 4.2.0.4.0.

2 Installing the HarvestRoad Hive Moodle Repository Plug-in

To install the HarvestRoad Hive Moodle Repository Plug-in, decompress the file `hive-repository.zip` into the directory `<moodle_installation_path>/repository`. The zip file is provided on the distribution CD.

2.1 Configuring SSO in the Hive Web Services

Make sure that at least one SSO user is enabled in Hive Web Services. See the *Hive Web Services Installation Guide* for more information.

2.2 Configuring the HarvestRoad Hive Moodle Repository Plug-in

After the HarvestRoad Hive Moodle Repository Plug-in has been installed, it must be configured to communicate with Hive. To configure the HarvestRoad Hive Moodle Repository Plug-in:

1. Login as an administrator. Navigate to the **Site administration > Plugins > Repositories > Manage repositories** page.
2. Set the HarvestRoad Hive Moodle Repository Plug-in to **Enabled and visible**.
3. Click the **Settings** button to access the **HarvestRoad Hive Web Services** configuration page.
4. Do not check either the **Allow users to add a repository instance into the course** or the **Allow users to add a repository instance into the user context** check boxes.
5. Click the **Create a repository instance** button to create a new instance of a Hive repository.

The screenshot shows the Moodle interface with the 'HarvestRoad Hive Web Services configuration' form. The form includes the following fields and options:

- Name***: A text input field.
- Hive Web Services URL***: A text input field. Below it, a note states: 'Hive Web Services URL should be: `http://<yoursite.com>/hws`'.
- SSO username***: A text input field.
- SSO shared secret***: A text input field.
- Hash type***: A dropdown menu with 'MD5' selected.
- Hive guest username**: A text input field.

At the bottom of the form are 'Save' and 'Cancel' buttons. A red message at the bottom right states: 'There are required fields in this form marked *.'

The left sidebar shows the 'Navigation' and 'Settings' menus. The 'Navigation' menu includes 'Home', 'My home', 'Site pages', 'My profile', and 'Courses'. The 'Settings' menu includes 'My profile settings', 'Site administration' (with sub-items: Notifications, Registration, Advanced features, Users, Courses, Grades, Location, Language, Plugins), and 'Site administration'.

6. Enter the values that the plug-in uses to communicate with the HarvestRoad Hive Web Services installation:

Name: The name for the repository that is to be displayed in the Moodle File Picker.

Hive Web Services URL: The fully qualified name domain of the host on which the Hive Web Services are installed, followed by the application context name. For example:

`http://<hws.domain>/hws`

SSO username: The SSO username that is enabled in the Hive Web Services.

SSO shared secret: The SSO shared secret that is defined in the Hive Web Services.

Hash type: The hash type that is defined in the Hive Web Services.

Hive guest username: Optional. A valid Hive username that is to be used for Moodle users who are browsing Moodle as guests or are logged in to Moodle with a username that does not exist in Hive.

7. Click the **Save** button to save the properties.
8. Repeat steps from 1 to 7 if you want to create another Hive instance.

The HarvestRoad Hive Moodle Repository Plug-in is now installed and ready for use. It can be seen in the Moodle File Picker under the display name entered in the **Name** field in the HarvestRoad Hive Web Services configuration page.

3 Adjusting a Hive Repository Plug-in Instance

After the installation has been completed, the settings of instances of HarvestRoad Hive Moodle Repository Plug-in will not normally require adjustment.

However if the settings need to be changed, follow the instructions in "Configuring the HarvestRoad Hive Moodle Repository Plug-in".

Note: All of the information on the HarvestRoad Hive Web Services configuration page takes effect immediately when the **Save** button is clicked. It is not necessary to restart Moodle.

4 Uninstalling the HarvestRoad Hive Moodle Repository Plug-in

To uninstall the HarvestRoad Hive Moodle Repository Plug-in, delete the following directory from the Moodle server:

`<moodle_install_path>/repository/hive`

Note: If the HarvestRoad Hive Moodle Repository Plug-in plug-in is uninstalled, then the Hive content items contained in Moodle as URL resources will no longer be accessible and cannot be viewed. If the plug-in is reinstalled, then Hive URL resources will be accessible again.

5 Troubleshooting

5.1 Connection with Hive

If the plug-in is correctly installed and at least one instance of the plug-in has been created, the logged in user should be able to see the plug-in instances on the left side of the Moodle File Picker.

If an instance of the plug-in is correctly configured, when the user clicks on the instance for the first time, the File Picker displays a list of Hive bureaus of which the user is a member.

If you are having trouble installing the HarvestRoad Hive Moodle Repository Plug-in and getting it to communicate correctly with your Hive installation, the following points might help you to troubleshoot the problems.

- Make sure that the properties of the HarvestRoad Hive Moodle Repository Plug-in instance are correct.
- Make sure the fully qualified hostname (not the IP address), port number and context in the **HarvestRoad Hive Web Services configuration** page are correct. You can test this information by entering it in your favourite web browser.
- Make sure the SSO username in the **HarvestRoad Hive Web Services configuration** page matches the username in the Hive Web Services.
- Make sure the SSO user's real username and password that are configured in the Hive Web Services match the username and password that are configured in Hive. You can test this information by using it to log in to the Hive native login page. If you change the username or password, restart the Hive Web Services to apply the modification.
- Make sure that the username of the logged in Moodle user also exists in Hive. You can test this information by using it to log in to the Hive native login page.
- If the username "admin" does not exist in Hive and a guest user account has not been created, the default Moodle administrator user will not be able to access Hive via the File Picker.
- If a guest username is specified in the **HarvestRoad Hive Web Services configuration** page, make sure it matches a username in Hive. You can test this information by using the guest username to log into the Hive native login page.