

**EQUELLA<sup>®</sup>**

# **LTI Consumer Configuration Guide**

*Version 6.4*

## Document History

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# Overview

LTI consumer client registrations can be created in EQUELLA and used with LMSs and other LTI compliant products to send information between the systems, as well as allowing users to sign into EQUELLA via the LMS/LTI tool.

This guide details the configuration of LTI consumers in EQUELLA, and the LTI/LIS role mappings to EQUELLA roles.

## LTI consumer ACLs

To be able to create, edit or delete LTI consumers, relevant administration users will need to be granted the following ACLs:

- CREATE\_LTI\_CONSUMER
- EDIT\_LTI\_CONSUMER
- DELETE\_LTI\_CONSUMER

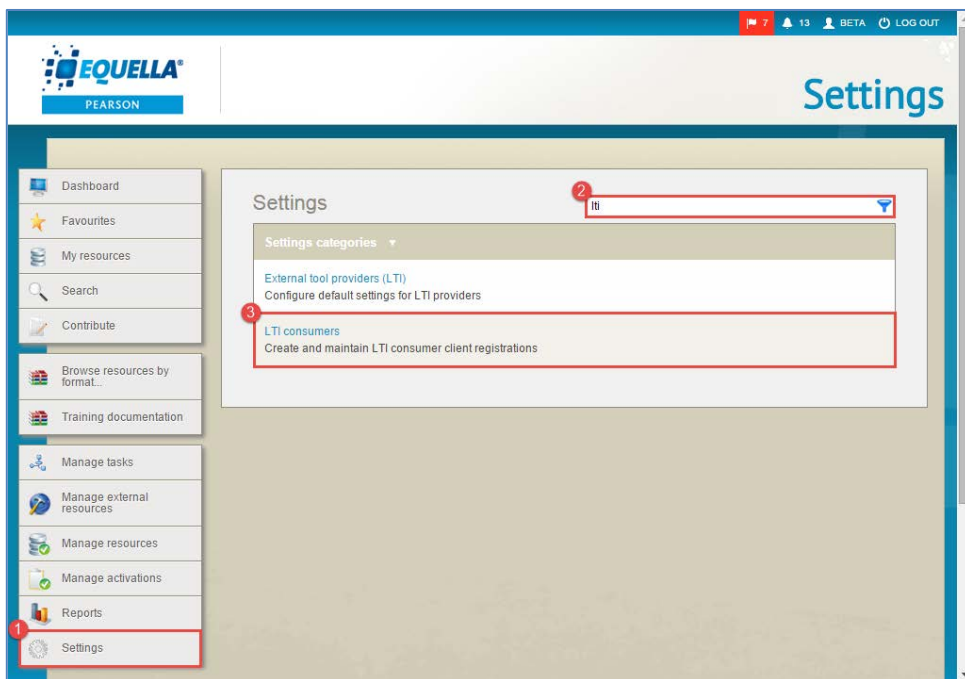
## Create LTI consumer

When an LTI consumer client is created in EQUELLA, a **Consumer key** and **Consumer secret** is allocated. These values are then entered in the LMS or LTI tool to secure the LTI integration. Additional username options are configured for each LTI consumer registration.

### *Create new LTI consumer*

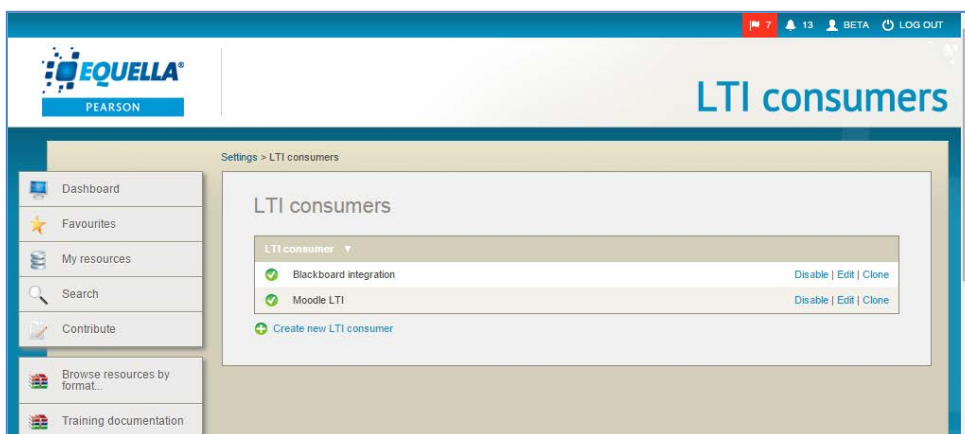
To create a new LTI consumer

1. Select **Settings** from the navigation menu, and either type *LTI* in the filter box, then select **LTI consumers** from the results or scroll down to **LTI consumers** on the Settings list. An example is shown in Figure 1



**Figure 1 Settings page - LTI consumers**

The **LTI consumers** page displays. An example is shown in Figure 2.



**Figure 2 LTI consumers page**

2. Select the **Create new LTI consumer** link to open the **Create new LTI consumer** page. An example is shown in Figure 3.

The screenshot displays the 'Create new LTI consumer' page in the EQUELLA interface. The page is titled 'Create new LTI consumer' and is part of the 'Settings > LTI consumers > Create new LTI consumer' navigation path. The form includes the following fields and options:

- UUID:** 5f493167-0ed2-4bd2-9228-3af6d678dbf8
- Title:** Moodle LTI
- Description:** (empty text area)
- Consumer key:** 5625e4d0-ad63-47f1-8938-2318f70cdfd4
- Consumer secret:** 80523ace-49a2-44c8-a0d9-ed34c3c77785
- Username prefix:** (empty text field)
- Username postfix:** (empty text field)
- Useable by:** Everyone (with a 'Change' button)
- Unknown user handling:** Create local user and add them to the following groups... (with a dropdown menu)
- Groups:** Contributors (with an 'Add groups' button)

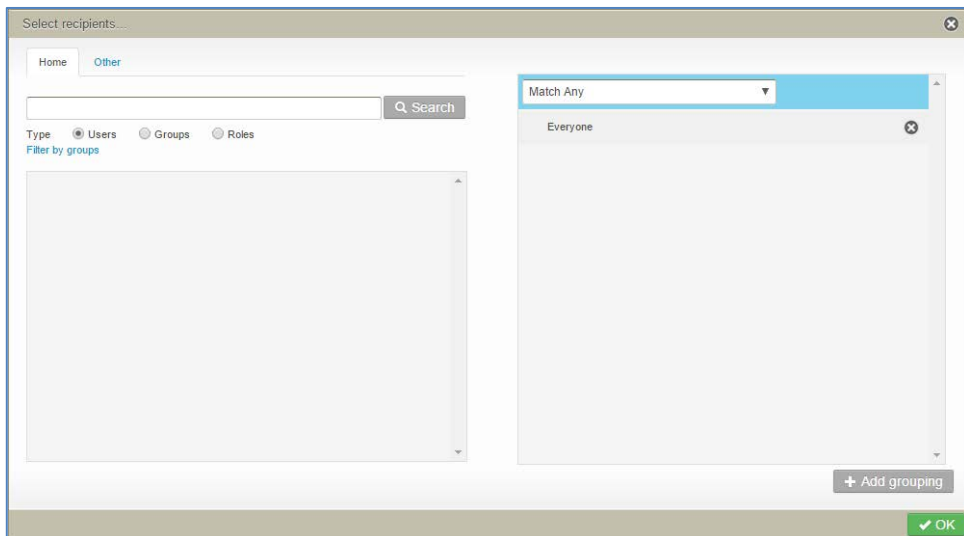
The 'LTI/LIS Role Mappings' section includes:

- Instructor role:** Instructor ⇒ Content Administrator Role (with an 'Add roles' button)
- Other roles:** Student ⇒ Viewer Role (with an 'Add roles' button)
- Unknown roles:** <Unknown> ⇒ Viewer Role (with an 'Add roles' button)

At the bottom right, there are 'Save' and 'Cancel' buttons. A note indicates that an asterisk (\*) denotes mandatory fields.

**Figure 3 Create new LTI consumer page**

3. Enter a **Title** (e.g. *Moodle LTI*) and a **Description** (optional).
4. A default **Consumer key** displays. This can be changed as desired. The **Consumer key** is entered in the LMS/LTI tool during integration configuration.
5. A default **Consumer secret** displays. This can be changed as desired. The **Consumer secret** is entered in the LMS/LTI tool during integration configuration.
6. If required, enter a unique **Username prefix** (e.g. *mdl\_*) or **Username postfix** (e.g. *\_mdl*) for this LTI consumer. This prefix or postfix is added when new users are created to distinguish those users accessing EQUELLA from this LTI consumer.
7. The **Usable by** field allows administrators to restrict who can use this LTI consumer. The default is *Everyone*. Click **Change** to open the **Select recipients...** dialog to select users, groups or roles from the *Home* tab, or other options, such as Guest users, specific IP address etc. from the *Other* tab. An example is shown in Figure 4.

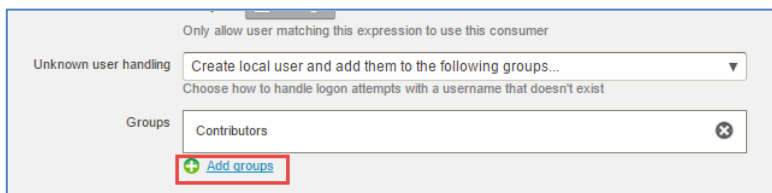


**Figure 4 Select recipients dialog**

For more information on the Recipient selector, see the *EQUELLA Administration Overview Guide*.

8. From the **Unknown user handling** drop-down, select the system behavior when an attempt is made to logon to EQUELLA with a username that doesn't exist. Options are:
  - **Deny access and present error message**
  - **Treat user as a guest**
  - **Create local user and add them to the following groups...**

If the third option is selected, click the **Add groups** link open the **Select group(s)** dialog to search and select the required groups to which the user will be added. An example is shown in Figure 5.



**Figure 5 Add groups link**

## LTI/LIS Role Mappings

Standard LTI/LIS roles that are supplied to EQUELLA from the LMS/LTI tool can be mapped to EQUELLA using the **LTI/LIS Role Mappings** section on the **Create new LTI consumer** and **Edit LTI consumer pages**. Additionally, custom roles can also be mapped to EQUELLA roles.

The **LTI/LIS Role Mappings** section has three areas:

- **Instructor role** – commonly used LTI role within LMSs. Use this area to map to relevant EQUELLA role/s.

- **Other roles** – use this area to map all other roles used in the integration. A list of the standard LTI/LIS roles is supplied. Custom roles can also be added and mapped in this area.
- **Unknown roles** – use this area to select the EQUELLA roles to default to when an unknown role is supplied to EQUELLA.

An example is shown in Figure 6.

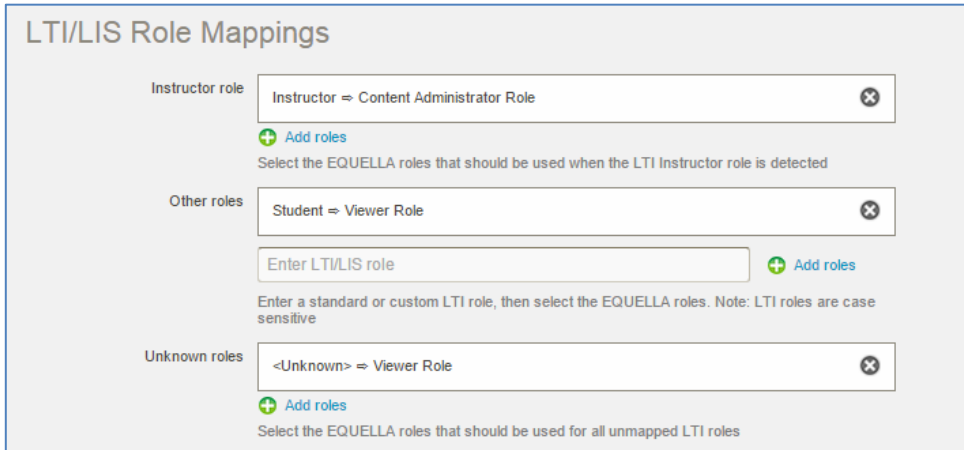


Figure 6 LTI/LIS Role Mappings

## Mapping the Instructor and Unknown roles

In the Instructor and Unknown roles fields, the **Add roles** link is used to select the EQUELLA roles to be used in the mappings. An example using the Instructor role is used below:

### To map to EQUELLA role/s

1. Click the **Add roles** link under the **Instructor role** field. An example is shown in Figure 7.

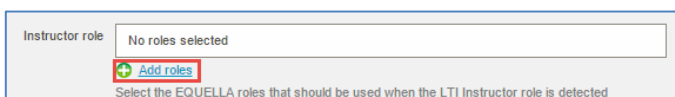
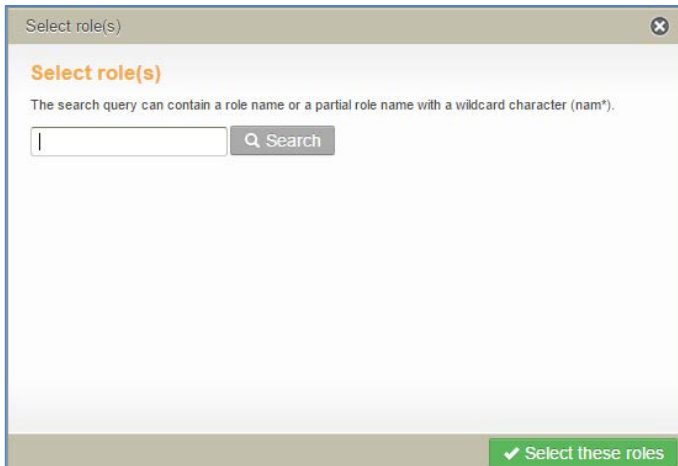


Figure 7 Add roles link

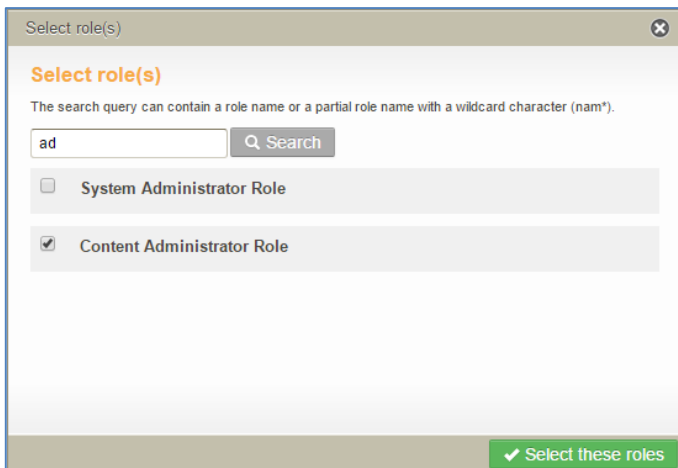
The **Select role(s)** dialog displays. An example is shown in Figure 8.





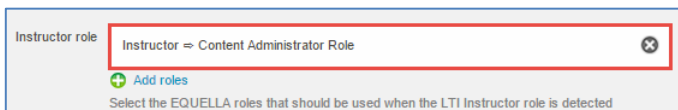
**Figure 8 Select role(s) dialog**

2. Enter a search query then click . Matching results display. An example is shown in Figure 9.



**Figure 9 Select role(s) dialog – results**

3. Select the required role/s, then click . The mapping/s displays in the Instructor role field. An example is shown in Figure 10.



**Figure 10 Instructor role field with one mapping**

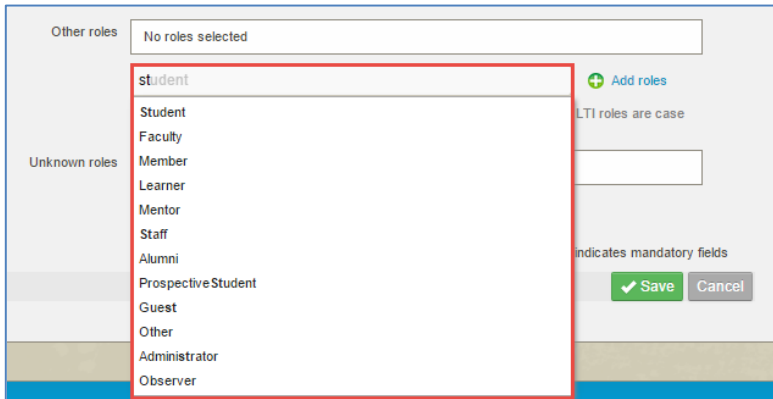
Select the **Add roles** link to add more mappings.

## Mapping Other roles

The **Other roles** section is used to map all LTI/LIS standard roles (other than Instructor) to EQUELLA roles. Custom roles can also be mapped.

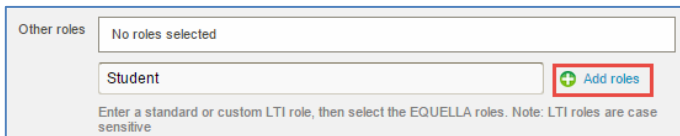
To map an LTI/LIS standard role (other than Instructor)

1. In the **Other roles** area, start typing the required LTI/LIS role in the **Enter LTI/LIS role** field. A list of all the standard LTI/LIS roles displays in a drop-down list. An example is shown in Figure 11.



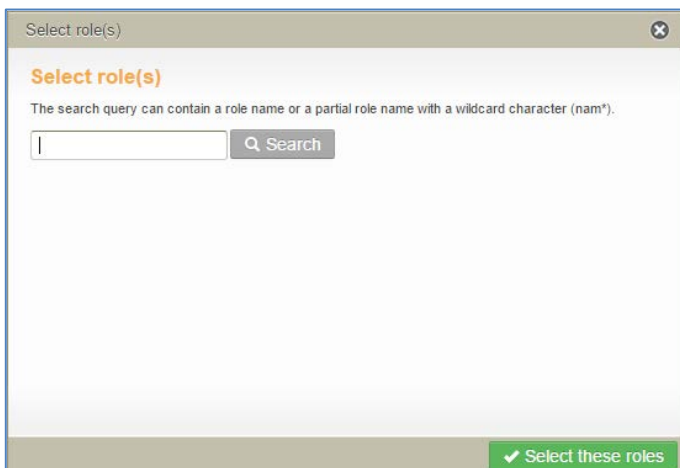
**Figure 11** List of standard LTI/LIS roles

2. Select the required role.
3. Click the **Add roles** link next to the selected LTI/LIS role. An example is shown in Figure 12.



**Figure 12** Add roles link

The **Select role(s)** dialog displays. An example is shown in Figure 13.



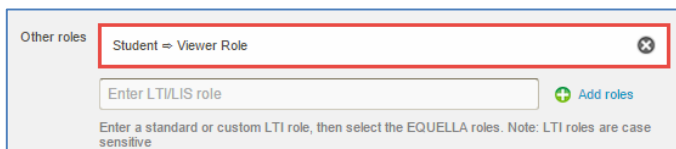
**Figure 13** Select role(s) dialog

4. Enter a search query then click **Search**. Matching results display. An example is shown in Figure 14.



**Figure 14 Select role(s) dialog – results**

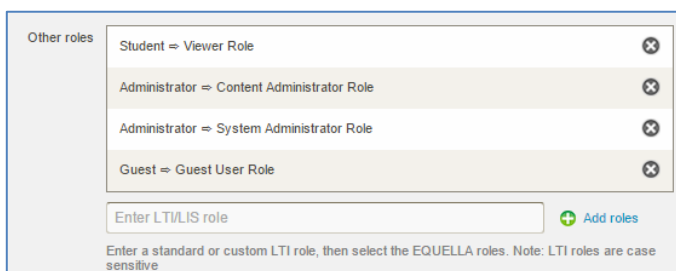
5. Select the required role/s, then click ✔ Select these roles. The mapping/s displays in the **Other roles** field. An example is shown in Figure 15.



**Figure 15 Other roles field with one mapping**

To add further EQUELLA roles to LTI/LIS roles that have existing mappings or to add another LTI/LIS role mapping, repeat steps 1 to 5.

An example with multiple roles mapped is shown in Figure 16.



**Figure 16 Other roles section with multiple mappings**

## Mapping custom roles

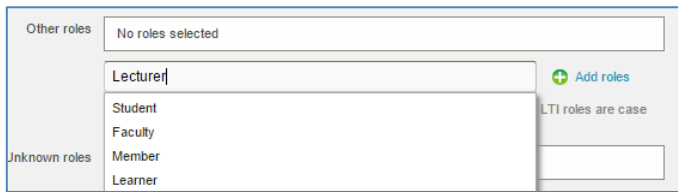
Custom roles can be added in the **Other roles** section and mapped to EQUELLA roles.

### To add a custom role

1. In the **Other roles** area, type the custom role (e.g. *Lecturer*) in the **Enter LTI/LIS role** field. Check that your custom role doesn't appear in the LTI roles drop-down, otherwise ignore the drop-down list.

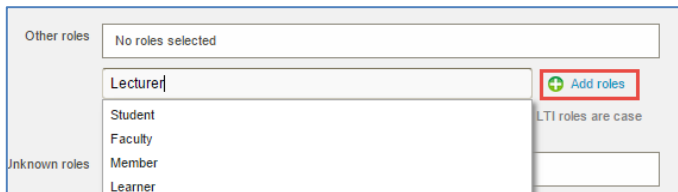
*NOTE: When typing custom roles, be sure that it is entered as an exact match to what is being used in LMS/LTI tool, including case-sensitivity).*

An example is shown in Figure 17.



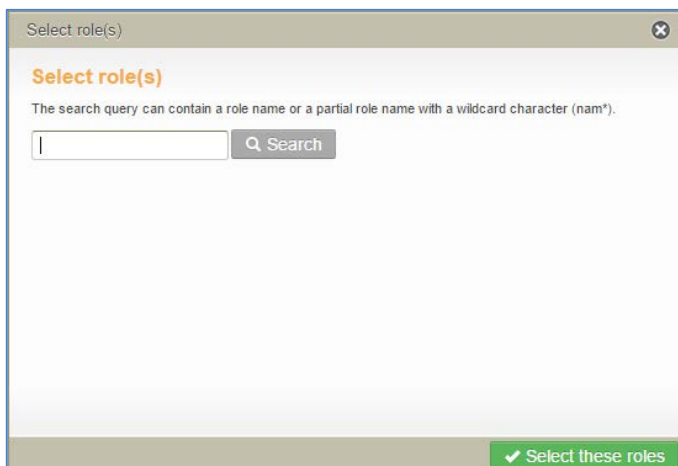
**Figure 17 Type the custom role name (exact match to source)**

2. Click the **Add roles** link next to the custom role name. An example is shown in Figure 18.



**Figure 18 Add roles link**

The **Select role(s)** dialog displays. An example is shown in Figure 19.



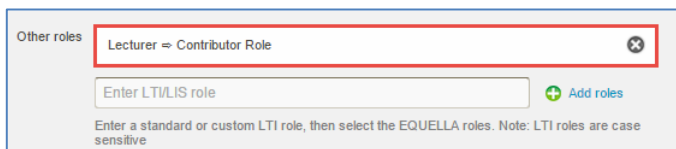
**Figure 19 Select role(s) dialog**

3. Enter a search query then click **Search**. Matching results display. An example is shown in Figure 20.



**Figure 20 Select role(s) dialog – results**

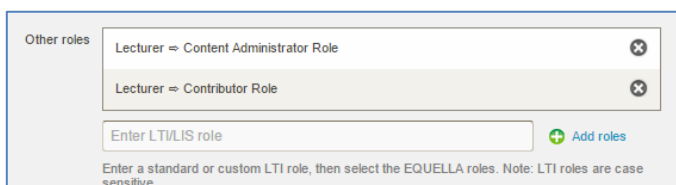
4. Select the required role/s, then click . The mapping/s displays in the **Other roles** field. An example is shown in Figure 21.



**Figure 21 Other roles field with custom mapping**


To add further EQUELLA roles to the custom roles that have existing mappings or to add another custom role mapping, repeat steps 1 to 4.

An example with multiple EQUELLA roles mapped is shown in Figure 22.



**Figure 22 Other roles section with multiple mappings**

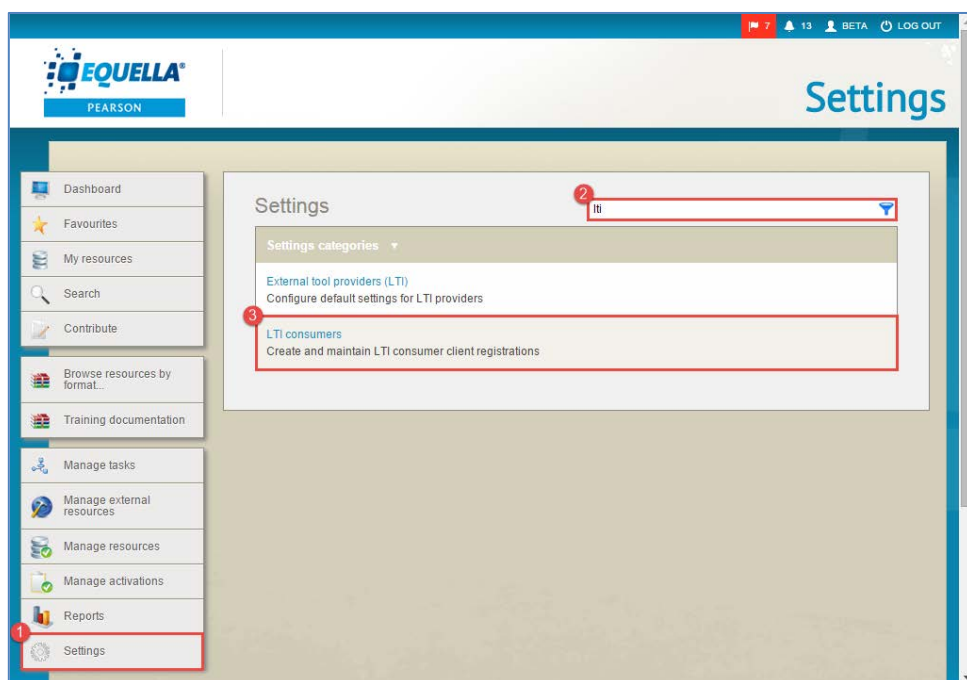
## Save LTI consumer

1. Once all fields are completed, click .

## Edit LTI consumer

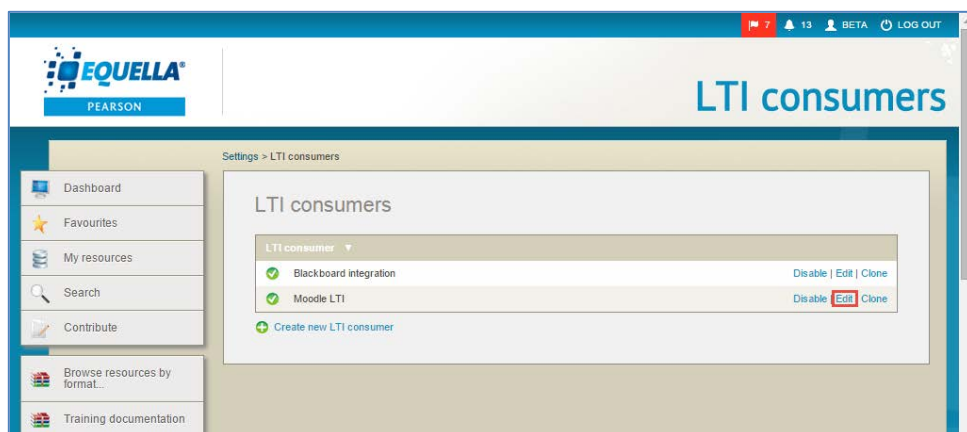
To edit an LTI consumer

1. Select **Settings** from the navigation menu, and either type *LTI* in the filter box, then select **LTI consumers** from the results or scroll down to **LTI consumers** on the Settings list. An example is shown in Figure 23.



**Figure 23 Settings page - LTI consumers**


The **LTI consumers** page displays. An example is shown in Figure 24.



**Figure 24 LTI consumers page**

2. Select the **Edit** link beside the LTI consumer to be edited to open the **Edit LTI consumer** page. An example is shown in Figure 25.

**Figure 25 Edit LTI consumer page**

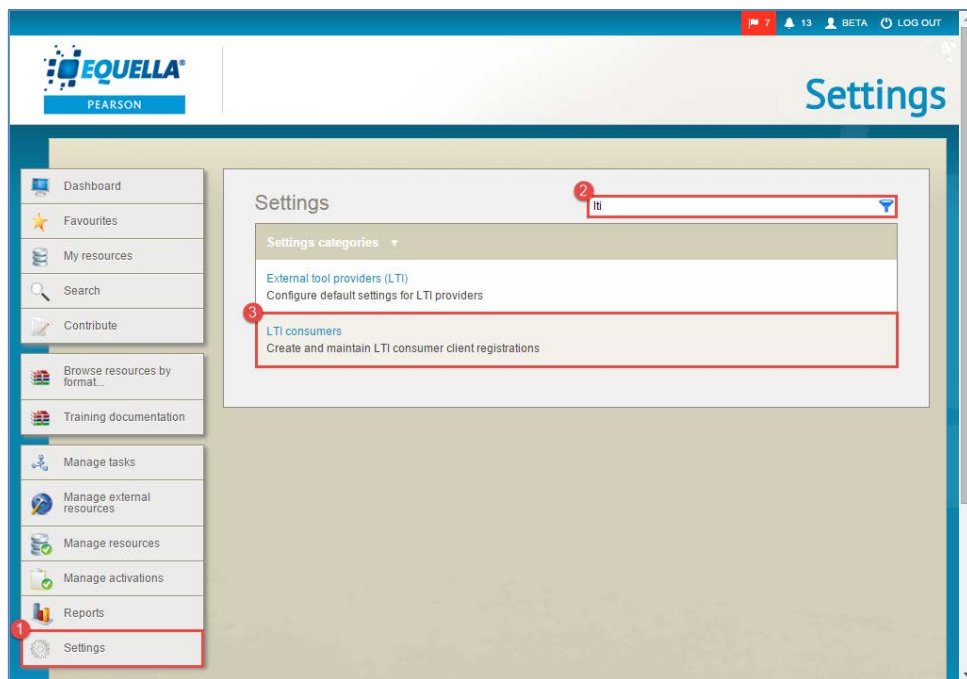
3. Make the required changes. For information on specific fields, see [Create new LTI consumer](#) on page 4 and [LTI/LIS Role Mappings](#) on page 7.
4. Click .

## Disable or enable LTI consumer

LTI consumers can be disabled and enabled. For example, an administrator may wish to disable a particular LTI consumer to prevent it from being used during a maintenance period. Once maintenance is complete, they can then enable it for use.

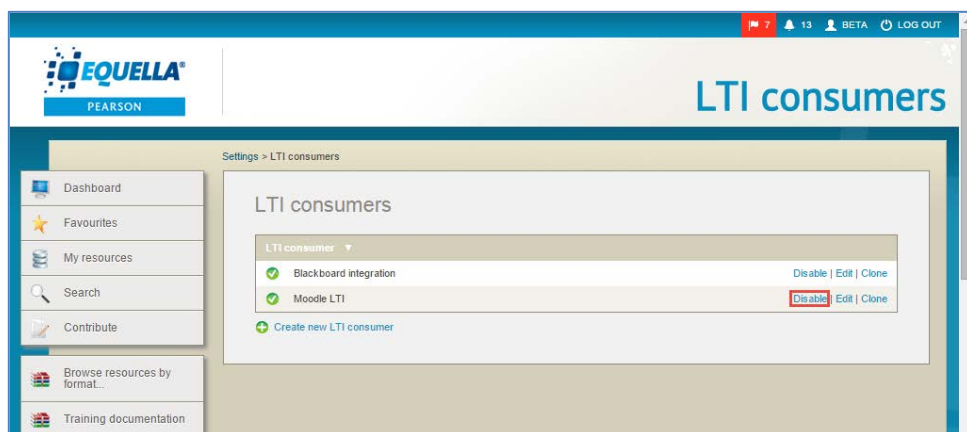
### To enable or disable an LTI consumer

1. Select **Settings** from the navigation menu, and either type *LTI* in the filter box, then select **LTI consumers** from the results or scroll down to **LTI consumers** on the Settings list. An example is shown in Figure 26.



**Figure 26 Settings page - LTI consumers**

The **LTI consumers** page displays. An example is shown in Figure 27.



**Figure 27 LTI consumers page – Disable link**

2. Select the **Disable** link beside the LTI consumer to be disabled. The LTI consumer is disabled and can no longer be used. The **Disable** link has changed to an **Enable** link. An example is shown in Figure 28.



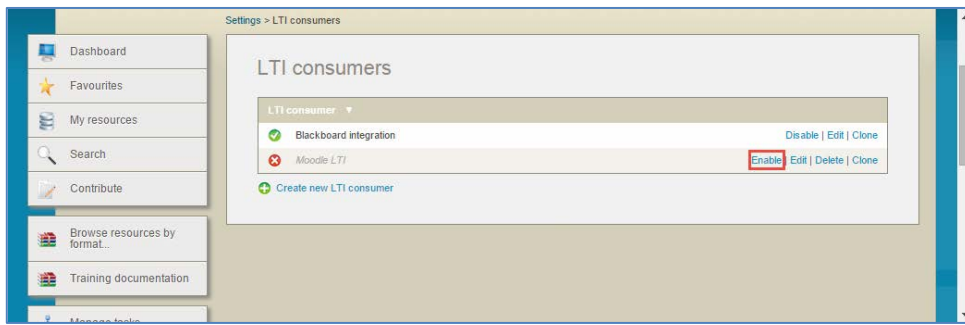


Figure 28 LTI consumers page - Enable link

3. Click the **Enable** link to enable the LTI consumer for use.

## Delete LTI consumer

When deleting an existing LTI consumer, it must be disabled prior to being deleted.

### To delete an LTI consumer

1. Select **Settings** from the navigation menu, and either type *LTI* in the filter box, then select **LTI consumers** from the results or scroll down to **LTI consumers** on the Settings list. An example is shown in Figure 29.

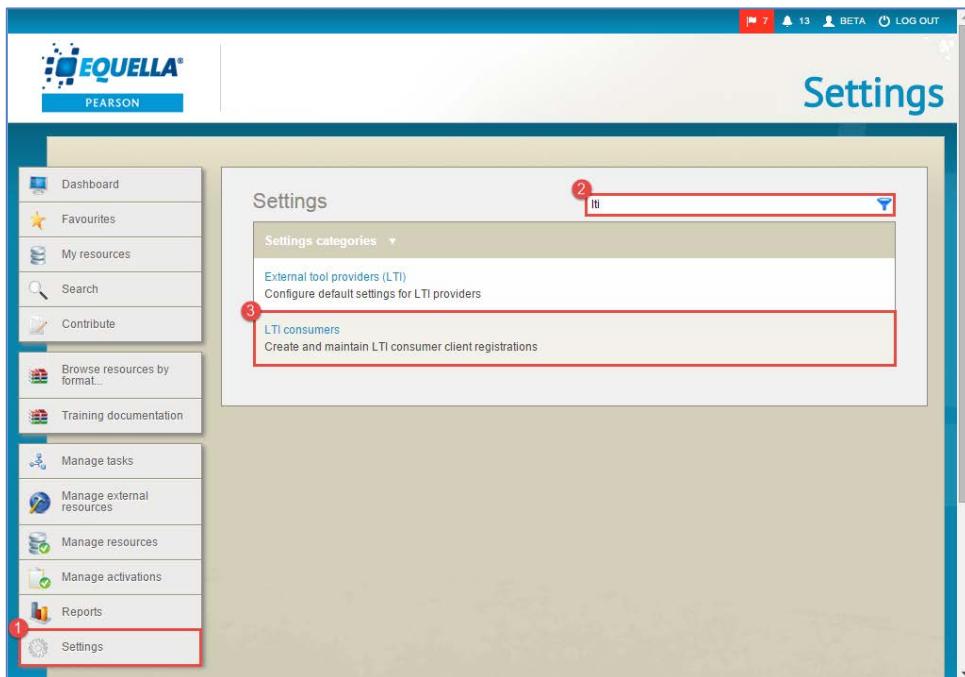
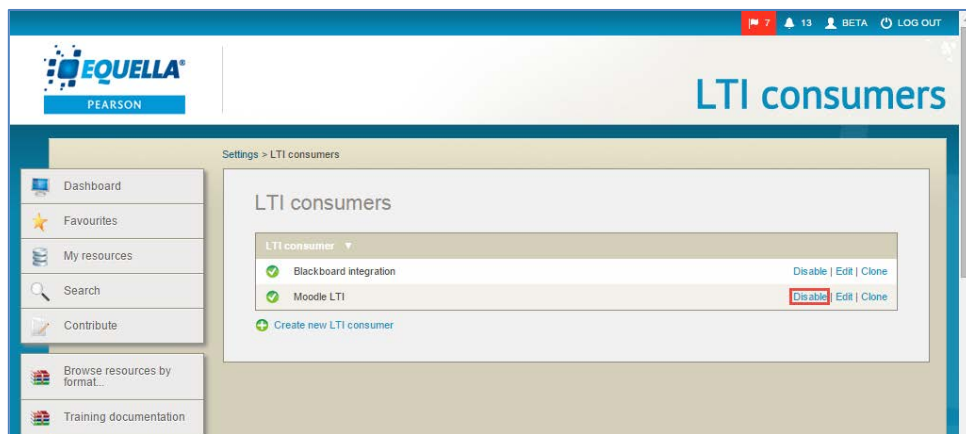


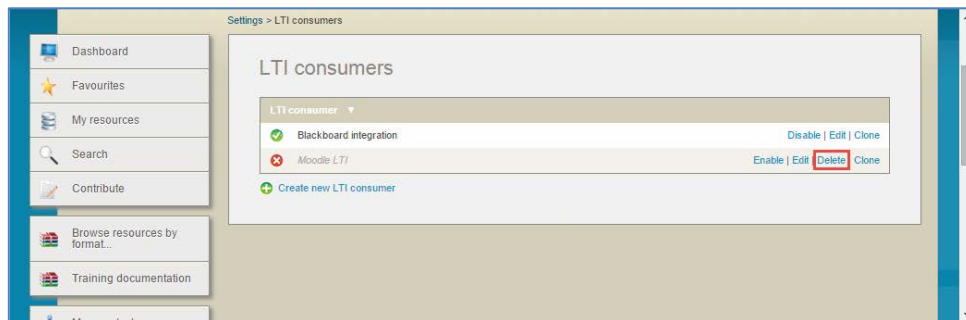
Figure 29 Settings page - LTI consumers

The **LTI consumers** page displays. An example is shown in Figure 30.



**Figure 30 LTI consumers page – Disable link**

2. Select the **Disable** link beside the LTI consumer to be deleted. The LTI consumer is disabled, and the *Disable* link changes to *Enable*, and a **Delete** link displays. An example is shown in Figure 31.



**Figure 31 LTI consumers page - Delete link**

3. Select the **Delete** link beside the LTI consumer to be deleted. A confirmation box displays.
4. Click .

## Contact Client Support

We are always happy to help.

If your organisation has a support agreement with EQUELLA then help is available at <http://equella.custhelp.com>.