

# Sakai

## LAMS Integration with Sakai

### Demo Server

If you want to try the LAMS - Sakai integration, we have set up a [Sakai server](#) where you can experience the integration for yourself without having to install it.

Follow [the animation](#) to self-register into the Sakai server and you are ready to go!

### Getting the LAMS-Sakai Module

You can download the LAMS module for Sakai from our [Downloads](#) or you can download the source straight from our CVS server

### Source Installation

1. Follow the instructions in the [Install Guide](#) for Sakai 2.4. If you wish to use Sakai 2.5, please follow the instructions in the [Development Environment Setup Walkthrough](#)

2. Checkout the *lams* project from the Sakai subversion repository at <https://source.sakaiproject.org/contrib/lams>

For help using subversion, please see [here](#)

You will need to place the project under the sakai-src folder. This is required since the project references the master/project.xml file.

3. From the *lams* directory, run the command

Sakai 2.4 or earlier: **maven bld dpl**

Sakai 2.5 or later: **mvn clean install sakai:deploy**

4. Add the following lines in the sakai.properties file. This is located in the CATALINA\_HOME/sakai directory.

```
lamstwo.serverId = <server id>
lamstwo.serverKey = <server key>
lamstwo.serverAddr = <lams server address>
lamstwo.requestSrc = <request source>
```

Substitute <server id>, <server key>, <lams server address> and <request source> with appropriate values

6. Start Tomcat and check for any start up errors.

### Setting LAMS Up

Once you have installed the LAMS-Sakai Module in Sakai, now you need to set up LAMS:

1. login in LAMS as a sysadmin (the user that you created at installation time)

2. Select the "**Sys Admin**" link.

3. Select "**Maintain Integrated Servers**".

4. Setup the fields as appropriate.

- **Id:** this is the server identification string that we will use to individually identify the LMS server that will be "talking" to LAMS.
- **Key:** this is the secret key that both systems will be used to encrypt the hash when doing authentication. **Make sure you keep your server key private**
- **Name:** the server name
- **Description:** a meaningful server description
- **Prefix:** the prefix that the usernames will have in LAMS. (usually just one or two letters will do)
- **Organisation:** Either use an existing Group within LAMS (from the Group Administration screens) or create a new Group.
- **User Information URL:** This is the callback userinfo URL that is used by LAMS to retrieve personal information about the user from the LMS.
- **Timeout URL:** A webpage that should be displayed if the LAMS/Sakai timeout trying to talk to each other.
- **User Information URL:** If you run sakai using "http://<sakai server>/portal/" then the URL is `http://<sakai server>/sakai-lamstwo-tool/servlet/UserDataServlet?username=%username%&timestamp=%timestamp%&hash=%hash%`

**Maintain LAMS : Maintain integrated servers : Edit integrated server**

?

**Id:**  \*

**Key:**  \*

**Name:**  \*

**Description:**

**Prefix:**  \*

**Disabled:**

**Organisation:**  Or  Create new one  \*

**User Information URL:**  \*

**Timeout URL:**  \*

Once you set this up, you are done! 🎉

## Having problems?

Need troubleshooting

Post a message in the [Tech Forums](#) in the LAMS Community.