Tripal JBrowse Documentation

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Tripal JBrowse is a Drupal module that allows you to manage your JBrowse instances completely through web forms.

CHAPTER 1

Installation and Configuration

1.1 Dependencies

Please ensure that the following are installed on your server:

- JBrowse.
- Tripal

1.2 Installation

- Download the module to your Drupal modules folder
- Run `drush en -y hardwoods_jbrowse` or enable through the modules page
- Visit the configuration page at `/admin/hardwoods_jbrowse/configure`

1.3 Configuring Tripal JBrowse

In order for the module to function properly, you need to first configure it. Please visit `http://YOUR_SITE/admin/hardwoods_jbrowse/configure` (replace YOUR_SITE with your domain) and fill out the form. You will need to know information about your JBrowse information.

This form allows administrators to control where JBrowse lives on the server.

Data Directory *

/var/www/htmll/tools/jbrowse/data

Absolute path to where data directories should live. This directory must be accessible by the apache user.

Path to JBrowse's Index File *

tools/jbrowse

Path to index.html that JBrowse provides. We suggest using tools/jbrowse.

Path to JBrowse's bin Directory *

/var/www/html/Tripal/tools/jbrowse/bin

The absolute path to the bin directory that JBrowse provides. We suggest using PATH_TO_DRUPAL/tools/jbrowse/bin.

Default menuTemplate

```
[
   {
      "label": "View details"
   },
   {
```

Default menuTemplate in the trackList.json file. See the JBrowse documentation for more info.

Save Settings

CHAPTER 2

Managing Instances

2.1 Listing and Creating Instances

To list all instances, visit `/admin/hardwoods_jbrowse`.

2.2 Creating Instances

As highlighted on the screenshot above, you can create new instances by clicking the "Add New Instance" link.

2.3 Deleting Instances

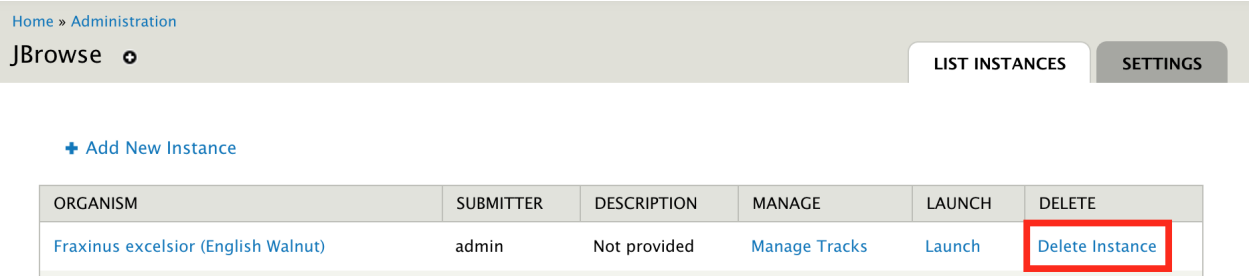
To delete an instance, you must first visit the instances list page and clicking the delete instance link. Note that the actual files for the instance are not deleted. You will need to delete all files manually.

CHAPTER 3

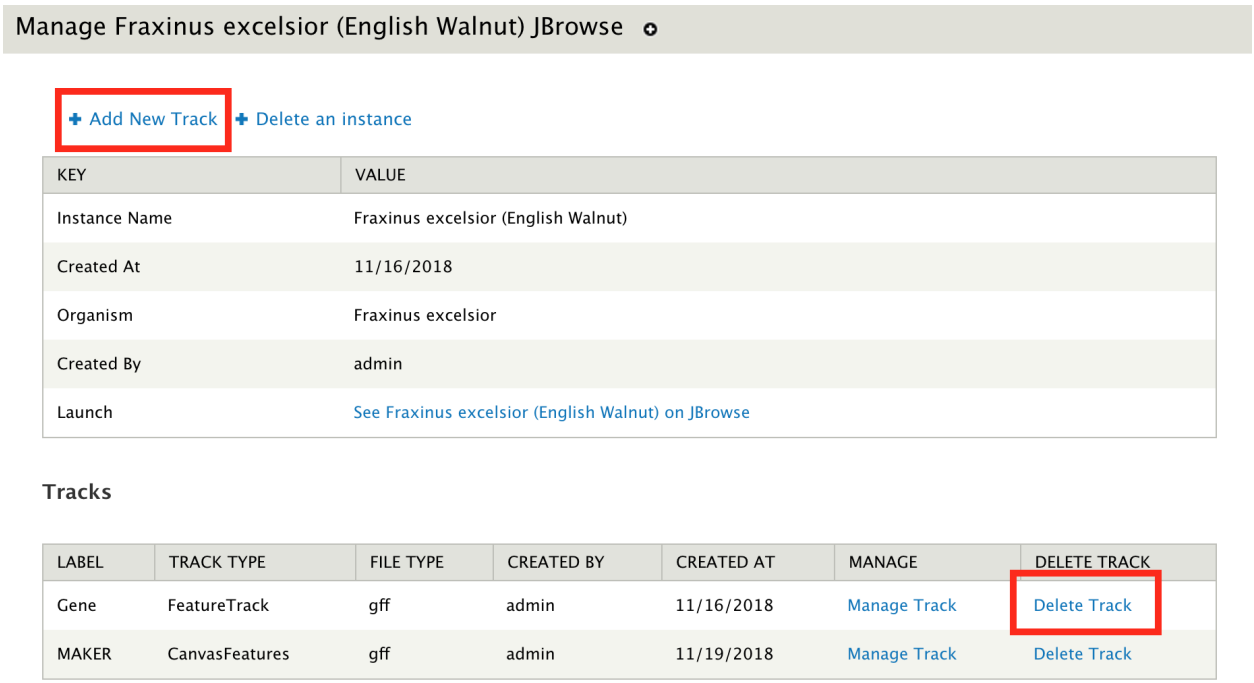
Managing Tracks

3.1 Creating and Deleting Tracks

To create a new track, you need visit the instances list page and click Manage Tracks.



The manage tracks link, will lead to a page where you can create and delete tracks (see screenshot below).



Warning: Please note that files don't get automatically removed. You have to manually remove the track files yourself.

3.2 Editing Tracks

This modules allows you to configure a track after it has been created. This provides a way to add the track to a category, change the colors and type of the track amongst other configuration options.

To edit a track, simply click the manage track button on the "manage tracks" page as shown on the screenshot above.