
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.

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 *

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

Path to JBrowse's Index File *

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

Path to JBrowse's bin Directory *

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

Default menuTemplate

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

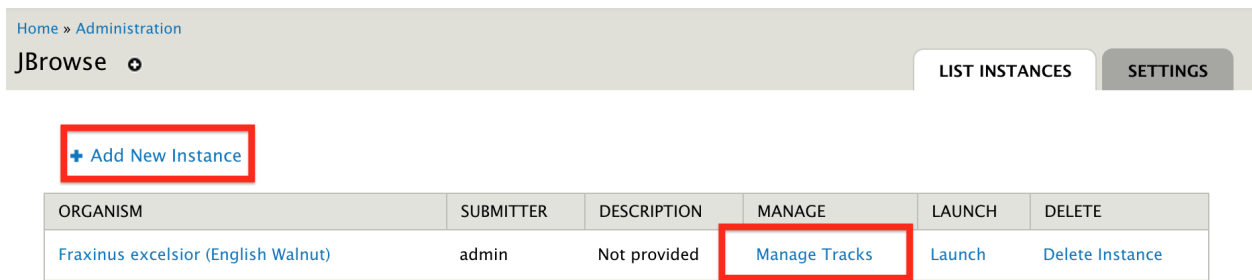
Default menuTemplate in the trackList.json file. See the JBrowse documentation for more info.

Save Settings

Managing Instances

2.1 Listing and Creating Instances

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



The screenshot shows the JBrowse administration interface. At the top, there is a breadcrumb trail: "Home » Administration". Below this, the text "JBrowse" is followed by a circular icon. To the right, there are two buttons: "LIST INSTANCES" and "SETTINGS". Below the navigation bar, there is a link "+ Add New Instance" which is highlighted with a red box. Below this link is a table with the following data:

ORGANISM	SUBMITTER	DESCRIPTION	MANAGE	LAUNCH	DELETE
Fraxinus excelsior (English Walnut)	admin	Not provided	Manage Tracks	Launch	Delete Instance

2.2 Creating Instances

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

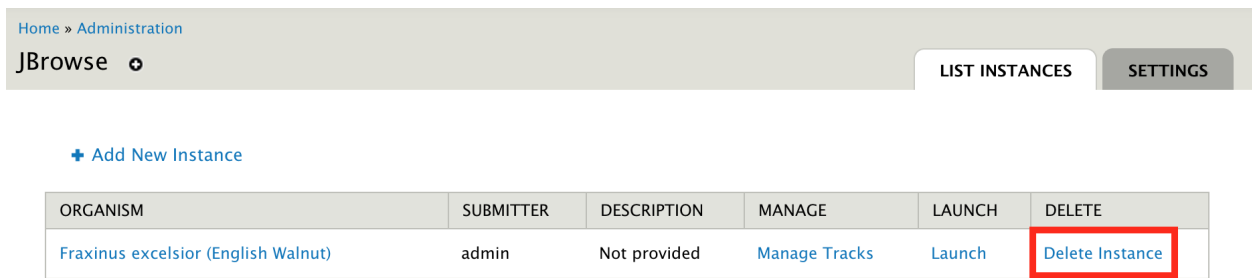
2.3 Deleting Instances

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.


Managing Tracks

3.1 Creating and Deleting Tracks

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



Home » Administration

JBrowse 

LIST INSTANCES SETTINGS

[+ Add New Instance](#)

ORGANISM	SUBMITTER	DESCRIPTION	MANAGE	LAUNCH	DELETE
Fraxinus excelsior (English Walnut)	admin	Not provided	Manage Tracks	Launch	Delete Instance

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

Manage Fraxinus excelsior (English Walnut) JBrowse

[+ Add New Track](#) [+ Delete an instance](#)

KEY	VALUE
Instance Name	Fraxinus excelsior (English Walnut)
Created At	11/16/2018
Organism	Fraxinus excelsior
Created By	admin
Launch	See Fraxinus excelsior (English Walnut) on JBrowse

Tracks

LABEL	TRACK TYPE	FILE TYPE	CREATED BY	CREATED AT	MANAGE	DELETE TRACK
Gene	FeatureTrack	gff	admin	11/16/2018	Manage Track	Delete Track
MAKER	CanvasFeatures	gff	admin	11/19/2018	Manage Track	Delete Track

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

3.2 Editing Tracks

This module 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.