

# Audio Solution Pack

## Overview

The Audio Solution Pack adds the ability to create audio collections, by uploading WAV and MP3 files as objects. These files can then be downloaded by users, or the relevant player ([JWPlayer](#) or [Video.js](#)) can be installed to allow for playing of the file in the View tab. On ingest, the module can also use an installation of the LAME audio encoder to create derivative audio files.

## Dependencies

- [Islandora](#)
- [Tuque](#)
- The [LAME Encoder](#) is required for derivative creation
- [Islandora JWPlayer](#) and its corresponding Islandora module can be used to play audio files in the View tab (Optional)
- [Video.js](#) and its corresponding Islandora module can be used to play audio files in the View tab (Optional)

## Downloads

[Release Notes and Downloads](#)

## Configuration

The Audio Solution Pack configuration options can be accessed at [http://path.to.your.site/admin/islandora/solution\\_pack\\_config/audio](http://path.to.your.site/admin/islandora/solution_pack_config/audio) and includes the following options:

- **Path to LAME:** Upon installing the LAME Audio Codec, an executable is created on your server. The Audio Solution Pack module requires the path to this executable to run. On Linux-based servers, this path can often be found by running:

```
whereis lame
```

## Viewers

By default, the Audio Solution Pack is unable to play any audio files directly in the browser; users must install [Islandora JWPlayer](#) or [video.js](#) to play files.

The screenshot shows the configuration interface for an Audio Collection. At the top, there is a section for 'Path to LAME' with a text input field containing '/usr/bin/lame'. Below this, a message states 'LAME is required to create derivatives files.' and a green checkmark indicates 'Executable found at /usr/bin/lame'. The main section is titled 'VIEWERS' and contains a table with columns for 'DEFAULT', 'LABEL', 'DESCRIPTION', and 'CONFIGURATION'. Three rows are visible: 'None' (no viewer), 'JW Player' (selected), and 'video.js player'. A 'Save configuration' button is located at the bottom left of the viewer selection area.

| DEFAULT                          | LABEL           | DESCRIPTION                                | CONFIGURATION |
|----------------------------------|-----------------|--|---------------|
| <input type="radio"/>            | None            | Don't use a viewer for this solution pack. |               |
| <input checked="" type="radio"/> | JW Player       | JW Player for audio and video.             |               |
| <input type="radio"/>            | video.js player | video.js for video.                        |               |

## Content Models, Prescribed Datastreams and Forms

The Audio Solution Pack comes with the following objects in [http://path.to.your.site/admin/islandora/solution\\_packs](http://path.to.your.site/admin/islandora/solution_packs):

- Islandora Audio Content Model (islandora:sp-audioCModel)
- Audio Collection (islandora:audio\_collection)

An audio file ingested using the Audio Solution Pack's content model and LAME will have the following datastreams:

|          |   |
|----------|---|
| RELS-EXT | Default Fedora relationship metadata                      |
| MODS     | Descriptive MODS metadata record filled out during ingest |
| DC       | Descriptive Dublin Core metadata record                   |
| OBJ      | Original audio file uploaded                              |
| TN       | Default thumbnail icon for audio objects                  |

|           |   |
|-----------|---|
| TECHMD    | Technical FITS metadata record filled out during ingest |
| PROXY_MP3 | MP3 derivative created by the LAME encoder              |

The Audio Solution Pack comes with the Audio MODS form.