

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 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'. The table lists three options: 'None' (Don't use a viewer for this solution pack.), 'JW Player' (JW Player for audio and video.), and 'video.js player' (video.js for video.). The 'JW Player' option is selected. Below the table, a note says 'Preferred viewer for your solution pack. These may be provided by third-party modules.' and a 'Save configuration' button is visible at the bottom.

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:

- 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.