Mopidy-Podcast Documentation

Release 2.0.0

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Mopidy-Podcast is a [Mopidy](#) extension for browsing and playing podcasts.

This extension lets you browse podcasts distributed as RSS feeds and play individual episodes in a variety of audio formats. Podcasts are mapped to albums, while podcast episodes are shown as tracks in Mopidy, with metadata converted to Mopidy's native data model where applicable. OPML 2.0 subscription lists and directories are also supported for multi-level browsing.

To use this extension, you first need a way to access podcasts from Mopidy:

- If you are already using a podcasting client, chances are that it supports exporting your subscribed feeds as an OPML file. Simply store this file in the location pointed to by `podcast/browse_root` to access your favorite podcasts from Mopidy.

- Since OPML is a simple XML format, it is also feasible to create your own, using an XML or text editor of your choice. OPML also supports linking to other OPML files, both locally and on the Web, so this even allows creating your own *meta directory* pointing to podcast collections from the [BBC](#), [gpodder.net](#), and other sources.

- If your client supports entering Mopidy URIs for playback and browsing directly, just prefix the feed URL with `podcast+` to make sure it is not treated as an audio stream:

```
mpc add "podcast+http://www.npr.org/rss/podcast.php?id=510298"
```

- Last but not least, you can install [Mopidy-Podcast-iTunes](#), a companion extension to Mopidy-Podcast, to browse and search podcasts on the [Apple iTunes Store](#).

Installation

On Debian Linux and Debian-based distributions like Ubuntu or Raspbian, install the `mopidy-podcast` package from apt.mopidy.com:

```
apt-get install mopidy-podcast
```

Otherwise, install the Python package from PyPI:

```
pip install Mopidy-Podcast
```

Configuration

This extension provides a number of configuration values that can be tweaked. However, the *default configuration* should contain everything to get you up and running, and will usually require only a few modifications, if any, to match personal preferences.

2.1 Configuration Values

podcast/browse_root

A local path or URL pointing to an OPML syndication feed to use as the root for browsing the *Podcasts* directory in Mopidy. Relative paths refer to files in the extension's configuration directory [1].

For example, this will point the *Podcasts* directory to a collection of all the BBC Radio and Music feeds:

```
browse_root = http://www.bbc.co.uk/podcasts.opml
```

The default value is `Podcasts.opml`, so simply exporting your subscribed feeds from your favorite podcast client under this name and dropping the file in Mopidy-Podcast's configuration directory is usually all you need to do.

If set to an empty string, the *Podcasts* directory will be hidden when browsing Mopidy.

podcast/browse_order

Whether to sort podcast episodes by ascending (`asc`) or descending (`desc`) publication date for browsing.

podcast/lookup_order

Whether to sort podcast episodes by ascending (`asc`) or descending (`desc`) publication date for lookup, for example when adding a podcast to Mopidy's tracklist.

podcast/cache_size

The maximum number of podcast feeds that will be cached in memory.

podcast/cache_ttl

The cache's *time to live*, i.e. the number of seconds after which a cached feed expires and needs to be reloaded.

podcast/timeout

The HTTP request timeout when retrieving podcast feeds, in seconds.

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[1] When running Mopidy as a regular user, this will usually be `~/.config/mopidy/podcast`. When running as a system service, this should be `/etc/mopidy/podcast`. Note that it may be necessary to create these directories manually when installing the Python package from PyPi, depending on local file permissions.

2.2 Default Configuration

For reference, this is the default configuration shipped with Mopidy-Podcast release 2.0.0:

```
[podcast]
enabled = true

# optional path or URL to an OPML file used as the root for browsing;
# relative paths will be resolved according to the extension's
# configuration directory
browse_root = Podcasts.opml

# sort podcast episodes by ascending (asc) or descending (desc)
# publication date for browsing
browse_order = desc

# sort podcast episodes by ascending (asc) or descending (desc)
# publication date for lookup, e.g. when adding a podcast to Mopidy's
# tracklist
lookup_order = asc

# maximum number of podcast feeds to cache in memory
cache_size = 64

# cache time-to-live in seconds
cache_ttl = 86400

# HTTP request timeout in seconds
timeout = 10
```

Change Log

3.1 v2.0.0 (2016-03-23)

- Add support for OPML subscription lists and directories.
- Add configuration options for browse and lookup order.
- Change URI scheme for podcast episodes to use GUID as fragment identifier.
- Drop `feeds` directory.
- Drop directory API.
- Drop search support.
- Upgrade dependencies to Mopidy v1.1.1.

3.2 v1.1.2 (2015-08-27)

- Pass `episodes` as `list` to `Podcast.copy()`.

3.3 v1.1.1 (2015-03-25)

- Prepare for Mopidy v1.0 exact search API.

3.4 v1.1.0 (2014-11-22)

- Improve `podcast` URI scheme.
- Report podcasts as albums when browsing.
- Update dependencies.
- Update unit tests.

3.5 v1.0.0 (2014-05-24)

- Move RSS parsing to `FeedsDirectory`.
- Support for additional podcast/episode properties.
- Add `search_results` config value.
- Add `uri_schemes` property to `PodcastDirectory`.
- Add `uri` property to `Podcast` and `Episode`.
- Support for `<itunes:image>`.
- Convert `Podcast.Image` and `Episode.Enclosure` to Mopidy model types.

3.6 v0.4.0 (2014-04-11)

- `PodcastDirectory` and models API changes.
- Performance and stability improvements.
- Configuration cleanup.

3.7 v0.3.0 (2014-03-14)

- Complete rewrite to integrate podcast directory extensions.

3.8 v0.2.0 (2014-02-07)

- Improve handling of iTunes tags.
- Improve performance by removing feedparser.
- Support searching for podcasts and episodes.

3.9 v0.1.0 (2014-02-01)

- Initial release.

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configuration value
    podcast/browse_order, 5
    podcast/browse_root, 5
    podcast/cache_size, 5
    podcast/cache_ttl, 5
    podcast/lookup_order, 5
    podcast/timeout, 5

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podcast/browse_order
    configuration value, 5
podcast/browse_root
    configuration value, 5
podcast/cache_size
    configuration value, 5
podcast/cache_ttl
    configuration value, 5
podcast/lookup_order
    configuration value, 5
podcast/timeout
    configuration value, 5