Mopidy-dLeyna Documentation

Release 2.0.2

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Mopidy-dLeyna is a Mopidy extension that lets you play music from DLNA Digital Media Servers using the dLeyna D-Bus interface.

This extension lets you browse, search, and stream music from your NAS, PC, or any other device running a UPnP/DLNA compliant media server. Compatible devices are discovered automatically on your local network, so there is no configuration needed.

CHAPTER

ONE

INSTALLATION

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

```
apt-get install mopidy-dleyna
```

Otherwise, first make sure the following dependencies are met on your system:

- D-Bus Python bindings, such as the package `python-dbus` in Debian/Ubuntu/Raspbian[1].
- The `dleyna-server` package available in Ubuntu 14.04 and Debian "jessie". For other platforms, please see the dLeyna installation instructions.

Then install the Python package from PyPI:

```
pip install Mopidy-dLeyna
```

[1] On some distributions such as Arch Linux, it may also be necessary to install the `dbus-glib` package.

CHAPTER

TWO

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

dleyna/enabled

Whether this extension should be enabled or not.

dleyna/upnp_browse_limit

The maximum number of objects to retrieve per UPnP *Browse* action, or `0` to retrieve all objects.

dleyna/upnp_lookup_limit

The maximum number of objects to retrieve by ID in a single UPnP *Search* action, or `0` for no limit. Note that for this setting to have any effect, the media server must advertise that it is capable of searching for object IDs.

This is an *experimental* setting and may be changed or removed in future versions.

dleyna/upnp_search_limit

The maximum number of objects to retrieve per UPnP *Search* action, or `0` to retrieve all objects.

dleyna/dbus_start_session

The command to start a D-Bus session bus if none is found, for example when running Mopidy as a service.

2.2 Default Configuration

For reference, this is the default configuration shipped with Mopidy-dLeyna release 2.0.2:

```
[dleyna]
enabled = true

# maximum number of objects to retrieve per UPnP Browse action, or 0
# to retrieve all objects
upnp_browse_limit = 500

# maximum number of objects to retrieve by ID in a single UPnP Search
# action (if supported by device), or 0 for no limit
upnp_lookup_limit = 20
```

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```
# maximum number of objects to retrieve per UPnP Search action, or 0
# to retrieve all objects
upnp_search_limit = 100

# command to start session bus if none found, e.g. when running Mopidy
# as a service
dbus_start_session = dbus-daemon --fork --session --print-address=1 --print-pid=1
```

CHAPTER

THREE

CHANGE LOG

3.1 v2.0.2 (2022-04-03)

- Support Python 3.10.

3.2 v2.0.1 (2020-07-06)

- Add `DisplayName` fallback for Plex media server.

3.3 v2.0.0 (2019-12-25)

- Depend on final release of Mopidy 3.0.0.

3.4 v2.0.0a1 (2019-12-05)

- Require Python >= 3.7. (PR: #66)
- Require Mopidy >= 3.0.0a5. (PR: #66)
- Require Pykka >= 2.0.1. (PR: #66)
- Update project setup. (PR: #66)

3.5 v1.2.2 (2018-05-08)

- Add workaround for browsing errors with certain media servers.

3.6 v1.2.1 (2017-10-24)

- Add support for `audioBook`, `audioBroadcast` and `playlistContainer` classes.
- Improve handling of browse and search limits.

3.7 v1.2.0 (2016-09-23)

- Add `dbus_start_session` configuration value for specifying the command to start a session bus. The default is to invoke `dbus-daemon` directly, so `dbus-launch` is no longer needed (but is still supported for now).
- Check for `$XDG_RUNTIME_DIR/bus` before starting a session bus.
- Update installation dependencies.
- Improve log messages if search is not supported.

3.8 v1.1.1 (2016-06-28)

- Add workaround for partially retrieved browse results with Kodi 16.0 DLNA server.

3.9 v1.1.0 (2016-05-21)

- Add `upnp_lookup_limit` configuration value (experimental).
- Add support for `albumartist` queries.
- Add support for minidlna "All Albums" collections.
- Add track bitrate according to DLNA specification.
- Add basic unit tests for `library` and `playback` providers.
- Update documentation and build environment.
- Various code refactorings and improvements.

3.10 v1.0.5 (2016-01-22)

- Specify sort order when browsing.
- Add `apt.mopidy.com` to installation options.
- Remove `Album.images` property (deprecated in Mopidy v1.2).
- Handle exceptions in `dLeynaPlaybackProvider`.

3.11 v1.0.4 (2015-11-03)

- Handle uppercase characters in server UDNs.

3.12 v1.0.3 (2015-10-24)

- Refactor server handling.
- Handle persistent URIs in `dLeynaClient`.

3.13 v1.0.2 (2015-10-16)

- Improve startup error messages.
- Performance improvements.

3.14 v1.0.1 (2015-09-12)

- Add workaround for permanently lost media servers.

3.15 v1.0.0 (2015-08-21)

- Add `upnp_browse_limit` config value.
- Add `upnp_search_limit` config value.
- Refactor `get_images` implementation.
- Improve debug output.

3.16 v0.5.3 (2015-08-19)

- Fix lost server handling.
- Check device's *SearchCaps* when searching.
- Improve log messages.

3.17 v0.5.2 (2015-08-18)

- Move mapping helpers to translator module.
- Add `mopidy_dleyna.dleyna.__main__`.
- Update *README.rst*.

3.18 v0.5.1 (2015-08-14)

- Start/stop D-Bus daemon from backend.

3.19 v0.5.0 (2015-08-14)

- Add support for album art.

3.20 v0.4.2 (2015-08-14)

- Use asynchronous D-Bus calls to improve performance on Raspberry Pi.

3.21 v0.4.1 (2015-08-11)

- Add workaround for integer conversion issues on 32 bit systems.

3.22 v0.4.0 (2015-08-11)

- Start session bus on headless systems or when running as a daemon.
- Use recursive search for container lookups.
- Add browse/search filters.
- Persistent URI handling.

3.23 v0.3.1 (2015-04-11)

- Perform search asynchronously.

3.24 v0.3.0 (2015-04-10)

- Add basic search capabilities.
- Return proper reference types when browsing.

3.25 v0.2.0 (2015-04-08)

- Add workaround for *minidlna* crashing on empty filter.

3.26 v0.1.0 (2015-04-07)

- Initial release.

CHAPTER

FOUR

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