Mopidy Installation

To install the latest version of Mopidy and all its dependencies
```
wget -q -O - https://apt.mopidy.com/mopidy.gpg | sudo apt-key add –
sudo wget -q -O /etc/apt/sources.list.d/mopidy.list https://apt.mopidy.com/buster.list
sudo apt update
sudo apt install mopidy
```

To add the Mopidy user to the video group
```
sudo adduser mopidy video
```

To make Mopidy run as a background service upon boot
```
sudo systemctl enable mopidy
```

Configure the Mopidy Settings
```
sudo nano /etc/mopidy/mopidy.conf
```

At the bottom of the file, add the following lines:
```
[http]
hostname = 0.0.0.0
```

```
[audio]
output = alsasink device=hw:1,0
```
← To uses default 3.5 mm audio jack

For PIFI Dac / Hifiberry Dac Plus https://github.com/sdbabhishek/Raspbian_PIFI-HIFI-DAC-

Check Assigned audio Device
```
aplay -l
```

Access the Mopidy Web Interface
```
http://raspberrypi.local:6680
```

install a web client as a Mopidy extension
```
sudo python3 -m pip install Mopidy-Iris
sudo python3 -m pip install Mopidy-Mobile
sudo python3 -m pip install Mopidy-Mowecl
sudo python3 -m pip install Mopidy-Muse
sudo python3 -m pip install Mopidy-MusicBox-Webclient
sudo python3 -m pip install Mopidy-Party
sudo pip3 install Mopidy-Mopify
```

To give the mopidy user sudo permission to run the Iris installer:
```
sudo sh -c 'echo "mopidy ALL=NOPASSWD: /usr/local/lib/python3.7/dist-packages/mopidy_iris/system.sh" >> /etc/sudoers'
```

Restart the Mopidy service
```
sudo systemctl restart mopidy
```

Accessing the web interface
```
http://raspberrypi.local:6680/iris/
```
Add Music to Mopidy
Install the Mopidy-Local extension to read local files
```
sudo python3 -m pip install Mopidy-Local
sudo nano /etc/mopidy/mopidy.conf
[local]
media_dir = /home/pi/Music  #  /media/usbdrive/Music
sudo systemctl restart mopidy
sudo mopidyctl local scan
```

Quick Help and FAQ

List of Services running
```
sudo mopidyctl config
```
Mopidy Config Edit or Add Addoms parameters
```
sudo nano /etc/mopidy/mopidy.conf
```
Edit main Mopidy Config
```
sudo nano ~/.config/mopidy/mopidy.conf
```
Restart Mopidy
```
sudo systemctl restart mopidy
```
List Errors for plugins
```
sudo journalctl -u mopidy
```

Quick Mopidy service Conytol
```
sudo service mopidy start
sudo service mopidy stop
sudo service mopidy restart
sudo service mopidy status
sudo dpkg-reconfigure mopidy
```

Quick Mopidy system Conytol
```
sudo systemctl enable mopidy
sudo systemctl start mopidy
sudo systemctl stop mopidy
sudo systemctl restart mopidy
sudo systemctl status mopidy
sudo journalctl -u mopidy    #To see logs
```

Upmpdcli conf
```
sudo nano /etc/upmpdcli.conf
friendlyname = Mopidyupnp  #locate and give preferred name
sudo systemctl restart upmpdcli
```

youtybe Mopidy
```
python3 -m pip install Mopidy-Youtube
python3 -m pip install https://github.com/natumbri/mopidy-youtube/archive/develop.zip
sudo apt-get install gstreamer1.0-plugins-bad
sudo nano /etc/mopidy/mopidy.conf
```

My Youtube
```
[youtube]
enabled = true
allow_cache = true
youtube_api_key = add your youtube api (do not use any special character like <>,'/)
api_enabled = true
```

For youtube fix
```
git clone git://github.com/psf/requests.git
cd requests
sudo pip3 install .
```

My Jellyfin comfig
```
[jellyfin]
hostname = http://192.168.0.104:8096
username = abhi
libraries = Music
watched_status = True
```

**Sample Jellyfin
```
[jellyfin]
hostname = http://192.168.0.200:8096
username = Matt
password = mypassword
libraries = Music
watched_status = True
```

Spotify Controls
```
sudo service raspotify stop
sudo service raspotify restart
```

Addons Installation

Spotify
```
sudo python3 -m pip install Mopidy-Spotify
sudo nano /etc/mopidy/mopidy.conf
```
```
[spotify]
username = abcdef
password = abcd123
client_id = abcd1
client_secret = abcd123
```
```
sudo systemctl restart mopidy
```

Internet Radio
```
sudo python3 -m pip install Mopidy-TuneI
sudo systemctl restart mopidy
```

Mopidy-Podcast
```
sudo python3 -m pip install Mopidy-Podcast
sudo systemctl restart mopidy
```

youtybe Mopidy
```
python3 -m pip install Mopidy-Youtube
python3 -m pip install https://github.com/natumbri/mopidy-youtube/archive/develop.zip
sudo apt-get install gstreamer1.0-plugins-bad
sudo nano /etc/mopidy/mopidy.conf
```
```
[youtube]
enabled = true
allow_cache = true
youtube_api_key = abcd123
api_enabled = true
```

Jellyfin (Reference - https://jellyfin.org/docs/general/clients/installing-mopidy.html)

Mopidy Musicbox web client (Allows mopidy Music Box web client to locate Jellyfin server)
```
pip3 install --user mopidy-jellyfin
```
Below command will List Mopidy in Musicbox web client
```
pip3 install --user mopidy-mpd mopidy-musicbox-webclient
```

Jellyfin Cast (Allows Jellyfin Server to locate Mopidy)
```
sudo apt install mopidy mopidy-mpd gstreamer1.0-plugins-bad python3-pip
sudo pip3 install mopidy-jellyfin mopidy-musicbox-webclient
sudo nano /etc/mopidy/mopidy.conf
```
```
[jellyfin]
hostname = http://192.168.0.200:8096
username = Matt
password = mysuperawesomepassword
libraries = Music
watched_status = True
```
```
sudo systemctl enable --now mopidy
```

To Upgrade Jellyfin
```
sudo pip3 install --upgrade mopidy-jellyfin
```

UPNP to cast music from any Spotify
```
sudo curl -sL https://dtcooper.github.io/raspotify/install.sh | sh
```
or
```
sudo apt install curl apt-transport-https -y
sudo curl -sSL https://dtcooper.github.io/raspotify/key.asc | sudo apt-key add -v -
sudo echo 'deb https://dtcooper.github.io/raspotify raspotify main' | sudo tee /etc/apt/sources.list.d/raspotify.list
sudo apt update
sudo apt install raspotify -y
```

```
sudo nano /etc/default/raspotify
DEVICE_NAME="Mopidy"
BACKEND_ARGS="--backend pipe --device /tmp/snapfifo"
sudo service raspotify restart
```

UPNP to cast music from any device
Add Package of upmpdcli
Site to refer -
https://www.lesbonscomptes.com/upmpdcli/pages/downloads.html#_debian_i386_amd64_and_raspbian_armhf_raspberry_pi
```
sudo nano /etc/apt/sources.list
deb http://www.lesbonscomptes.com/upmpdcli/downloads/raspbian/ buster main
deb-src http://www.lesbonscomptes.com/upmpdcli/downloads/raspbian/ buster main
Press ctrl+x, To save -y and enter to confirm filename
```
Add Key Veriveication from https://www.lesbonscomptes.com/pages/signatures.html#_debian_jessie
```
gpg --export '7808CE96D38B9201' | sudo apt-key add –
sudo apt-get update
sudo apt-get install upmpdcli
sudo systemctl enable upmpdcli
sudo systemctl restart upmpdcli
```