Libretime-TuneURL integration

Update config.yml file to stream mp3 format audio. in Icecast section change ogg format to mp3 in first stream for this and enable second stream

audio:

format: mp3

bitrate: 256

```
# > max items is 5
  icecast:
    # The default Icecast output stream
    - <<: *default_icecast_output
      enabled: true
      public_url:
      mount: main
      audio:
        format: mp3
        bitrate: 256

    # You can define extra outputs by reusing the default output using a yaml anchor
    - <<: *default_icecast_output
      enabled: true
      mount: main-low
      audio:
        format: mp3
        bitrate: 128
```

Enable 8443 port by adding below line in Ports..conf

Listen 8443

Create 8443-to-8000.conf file by using below command to redirect 8433 port connection to 8000

sudo vi /etc/apache2/sites-available/8443-to-8000.conf

then add this content in this file

<VirtualHost *:8443>

ServerName ec2-18-119-105-1.us-east-2.compute.amazonaws.com

SSLEngine on

SSLCertificateFile   /home/ubuntu/tuneurl-demo.com_ssl_certificate.cer

SSLCertificateKeyFile   /home/ubuntu/_.tuneurl-demo.com_private_key.key

<Location />
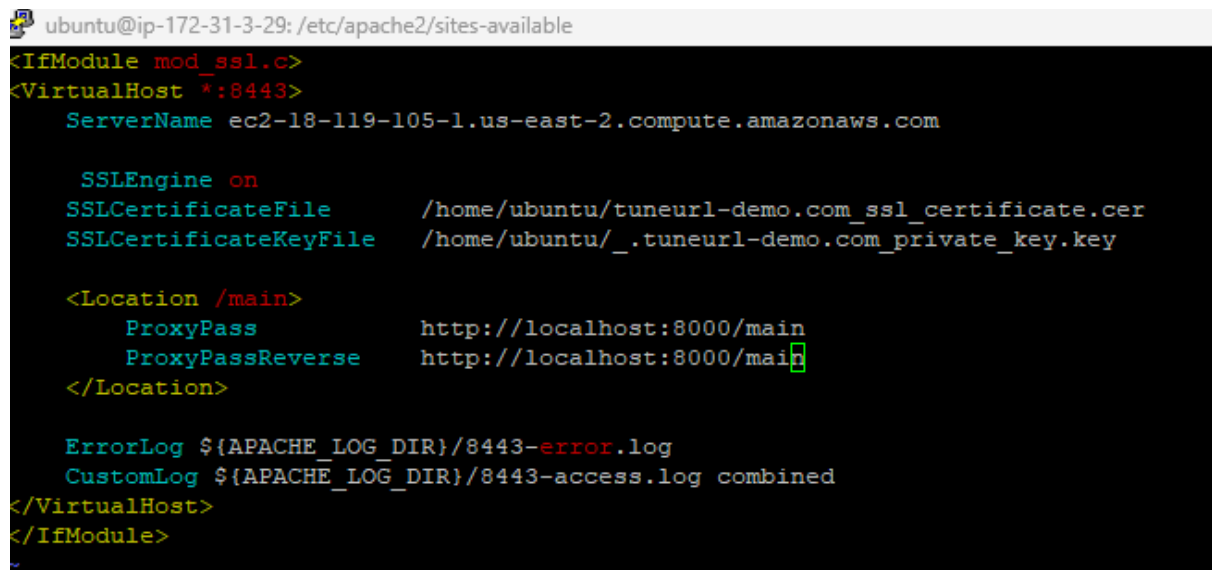
   ProxyPass   http://localhost:8000/

   ProxyPassReverse   http://localhost:8000/

</Location>

ErrorLog ${APACHE_LOG_DIR}/8443-error.log

CustomLog ${APACHE_LOG_DIR}/8443-access.log combined

</VirtualHost>

Enter in mysql container by running below command. where 8a3bb21dec80 is mysql container id

docker exec -it afe4af041c07 bash

```
ubuntu@ip-172-31-3-29:~/libretime$ sudo docker ps
CONTAINER ID   IMAGE                                          COMMAND                  CREATED      STATUS                 PORTS                                                                    NAMES
1c3eb3ed8263   nginx                                          "/docker-entrypoint..."  4 days ago   Up 4 days              80/tcp, 0.0.0.0:8080->8080/tcp, :::8080->8080/tcp                         libretime-nginx-1
0f805edc6457   ghcr.io/libretime/libretime-legacy:4.2.0       "docker-php-entrypoi..." 4 days ago   Up 4 days              9000/tcp                                                                 libretime-legacy-1
d85e37fb73bc   ghcr.io/libretime/libretime-playout:4.2.0      "/usr/local/bin/libr..." 4 days ago   Up 4 days                                                                                       libretime-liquidsoap-1
5e7cc2502230   ghcr.io/libretime/libretime-analyzer:4.2.0     "/usr/local/bin/libr..." 4 days ago   Up 4 days              0.0.0.0:8001-8002->8001-8002/tcp, :::8001-8002->8001-8002/tcp             libretime-analyzer-1
f4387a3d23c8   ghcr.io/libretime/libretime-worker:4.2.0       "/usr/local/bin/libr..." 4 days ago   Up 4 days                                                                                       libretime-worker-1
b470e8de11ec   ghcr.io/libretime/libretime-playout:4.2.0      "/usr/local/bin/guni..." 4 days ago   Up 4 days                                                                                       libretime-playout-1
a2da754f41a2   ghcr.io/libretime/libretime-api:4.2.0          "/usr/local/bin/guni..." 4 days ago   Up 4 days (healthy)                                                                             libretime-api-1
c1c4e8e7bae9   rabbitmq:3.13-alpine                           "docker-entrypoint.s..." 4 days ago   Up 4 days (healthy)    4369/tcp, 5671-5672/tcp, 15691-15692/tcp, 25672/tcp                      libretime-rabbitmq-1
afe4af041c07   postgres:15                                    "docker-entrypoint.s..." 4 days ago   Up 4 days (healthy)    5432/tcp                                                                 libretime-postgres-1
8e9fecb0f893   ghcr.io/libretime/libretime-icecast:2.4.4      "docker-entrypoint i..." 4 days ago   Up 4 days              0.0.0.0:8000->8000/tcp, :::8000->8000/tcp                                libretime-icecast-1
ubuntu@ip-172-31-3-29:~/libretime$ ^C
ubuntu@ip-172-31-3-29:~/libretime$ sudo docker exec -it afe4af041c07 bash
root@afe4af041c07:/# \dt
bash: dt: command not found
root@afe4af041c07:/# psql -U libretime
psql (15.10 (Debian 15.10-1.pgdg120+1))
Type "help" for help.

libretime=# \dt
                        List of relations
 Schema |               Name                | Type  |   Owner
--------+-----------------------------------+-------+-----------
 public | auth_group                        | table | libretime
 public | auth_group_permissions            | table | libretime
 public | auth_permission                   | table | libretime
 public | cc_block                          | table | libretime
 public | cc_blockcontents                  | table | libretime
 public | cc_blockcriteria                  | table | libretime
 public | cc_files                          | table | libretime
 public | cc_listener_count                 | table | libretime
 public | cc_live_log                       | table | libretime
 public | cc_login_attempts                 | table | libretime
 public | cc_mount_name                     | table | libretime
 public | cc_playlist                       | table | libretime
 public | cc_playlistcontents               | table | libretime
 public | cc_playout_history                | table | libretime
 public | cc_playout_history_metadata       | table | libretime
 public | cc_playout_history_template       | table | libretime
 public | cc_playout_history_template_field | table | libretime
 public | cc_pref                           | table | libretime
 public | cc_schedule                       | table | libretime
 public | cc_service_register               | table | libretime
 public | cc_show                           | table | libretime
 public | cc_show_days                      | table | libretime
 public | cc_show_hosts                     | table | libretime
 public | cc_show_instances                 | table | libretime
 public | cc_show_rebroadcast               | table | libretime
 public | cc_subjs                          | table | libretime
 public | cc_subjs_token                    | table | libretime
 public | cc_timestamp                      | table | libretime
 public | cc_track_types                    | table | libretime
 public | cc_webstream                      | table | libretime
 public | cc_webstream_metadata             | table | libretime
 public | celery_tasks                      | table | libretime
 public | django_content_type               | table | libretime
 public | django_migrations                 | table | libretime
 public | django_session                    | table | libretime
 public | imported_podcast                  | table | libretime
 public | podcast                           | table | libretime
 public | podcast_episodes                  | table | libretime
 public | sessions                          | table | libretime
```

Add tuneurl_id column in playlistcontents Table so that tuneurl id can be saved in the Database when the Tuneurl is created

ALTER TABLE cc_playlistcontents ADD tuneurl_id INTEGER NULL;

Run this docker command to setup the app

docker-compose run --rm api libretime-api migrate

Finally, start the services, and check that they're running using the following commands:

docker-compose up -d

docker-compose ps

docker-compose logs -f


```
ubuntu@ip-172-31-3-29:~/libretime$ sudo docker-compose ps
NAME                    IMAGE                                        COMMAND                  SERVICE      CREATED      STATUS                 PORTS
libretime-analyzer-1    ghcr.io/libretime/libretime-analyzer:4.2.0   "/usr/local/bin/libr..." analyzer     4 days ago   Up 4 days
libretime-api-1         ghcr.io/libretime/libretime-api:4.2.0        "/usr/local/bin/guni..." api          4 days ago   Up 4 days (healthy)
libretime-icecast-1     ghcr.io/libretime/libretime-icecast:2.4.4    "docker-entrypoint i..." icecast      4 days ago   Up 4 days              0.0.0.0:8000->8000/tcp, :::8000->8000/tcp
libretime-legacy-1      ghcr.io/libretime/libretime-legacy:4.2.0     "docker-php-entrypoi..." legacy       4 days ago   Up 4 days              9000/tcp
libretime-liquidsoap-1  ghcr.io/libretime/libretime-playout:4.2.0    "/usr/local/bin/libr..." liquidsoap   4 days ago   Up 4 days              0.0.0.0:8001-8002->8001-8002/tcp, :::8001-8002->8001-8002/tcp
libretime-nginx-1       nginx                                        "/docker-entrypoint..."  nginx        4 days ago   Up 4 days              80/tcp, 0.0.0.0:8080->8080/tcp, :::8080->8080/tcp
libretime-playout-1     ghcr.io/libretime/libretime-playout:4.2.0    "/usr/local/bin/libr..." playout      4 days ago   Up 4 days
libretime-postgres-1    postgres:15                                  "docker-entrypoint.s..." postgres     4 days ago   Up 4 days (healthy)
libretime-rabbitmq-1    rabbitmq:3.13-alpine                         "docker-entrypoint.s..." rabbitmq     4 days ago   Up 4 days (healthy)    4369/tcp, 5671-5672/tcp, 15691-15692/tcp, 25672/tcp
libretime-worker-1      ghcr.io/libretime/libretime-worker:4.2.0     "/usr/local/bin/libr..." worker       4 days ago   Up 4 days
ubuntu@ip-172-31-3-29:~/libretime$
```

Check the docker conatiner id by running below command

docker-compose ps

Then use that container id to copy local file fromj this repo in docker container

For Legacy contanier

sudo docker cp playlist.phtml
eba6897eb5d1:var/www/html/application/views/scripts/playlist/playlist.phtml

sudo docker cp update.phtml
eba6897eb5d1:var/www/html/application/views/scripts/playlist/update.phtml

sudo docker cp dashboard.js
eba6897eb5d1:var/www/html/public/js/airtime/dashboard/dashboard.js

sudo docker cp spl.js eba6897eb5d1:var/www/html/public/js/airtime/library/spl.js

sudo docker cp library.js eba6897eb5d1:var/www/html/public/js/airtime/library/library.js

sudo docker cp playlist_builder.css
eba6897eb5d1:var/www/html/public/css/playlist_builder.css

sudo docker cp loader.gif eba6897eb5d1:var/www/html/public/images/loader.gif

sudo docker cp RabbitMq.php
eba6897eb5d1:var/www/html/application/models/RabbitMq.php

sudo docker cp Playlist.php eba6897eb5d1:var/www/html/application/models/Playlist.php

sudo docker cp PlaylistController.php
eba6897eb5d1:var/www/html/application/controllers/PlaylistController.php

sudo docker cp CcFiles.php
eba6897eb5d1:var/www/html/application/models/airtime/CcFiles.php

sudo docker cp MediaController.php
eba6897eb5d1:var/www/html/application/modules/rest/controllers/MediaController.php

sudo docker cp MediaService.php
eba6897eb5d1:var/www/html/application/services/MediaService.php

sudo docker cp BaseCcBlockcontents.php
eba6897eb5d1:var/www/html/application/models/airtime/om/BaseCcBlockcontents.php

sudo docker cp BaseCcBlockcontentsPeer.php
eba6897eb5d1:var/www/html/application/models/airtime/om/BaseCcBlockcontentsPeer.php

sudo docker cp BaseCcPlaylistcontents.php
eba6897eb5d1:var/www/html/application/models/airtime/om/BaseCcPlaylistcontents.php

sudo docker cp BaseCcPlaylistcontentsPeer.php
eba6897eb5d1:var/www/html/application/models/airtime/om/BaseCcPlaylistcontentsPeer.php

sudo docker cp CcPlaylistcontentsTableMap.php
eba6897eb5d1:var/www/html/application/models/airtime/map/CcPlaylistcontentsTableMap.php

For Analyzer contanier

sudo docker cp message_listener.py
43e67190ab9c:src/libretime_analyzer/message_listener.py

sudo docker cp pipeline.py   43e67190ab9c:src/libretime_analyzer/pipeline/pipeline.py

sudo docker cp analyze_replaygain.py
43e67190ab9c:src/libretime_analyzer/pipeline/analyze_replaygain.py

sudo docker cp _ffmpeg.py   43e67190ab9c:src/libretime_analyzer/pipeline/_ffmpeg.py

Upload Trigger-Audio.mp3 file using Upload button in Libretime app. then run this query to update the trigger audio metadata

update cc_files set mime='audio/mp3', ftype='audioclip', filepath='imported/1/Trigger-Audio.mp3', import_status=0, bit_rate=16000, sample_rate=11025, length='00:00:01.52', cueout='00:00:01.52' where id=1;

update cc_files set length='00:00:01.44', cueout='00:00:01.44', filesize=58618, bit_rate=326395, channels=2 where id=1;