

@music_atlas server APIs

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1 Basic Info

1.1 Code Repository:

<https://github.com/MusicAtlas/musicatlas>

1.2 Website:

<https://musicatlas.github.io/>

2 Music Atlas Server

Music Atlas project is not only for our Visualization Course, but we aim to make it worldwide available which will act as a exploration and analysis tool for music lovers. Keeping this in mind we made a server to access a huge database of musicbrainz. A database whose size is in hundred Giga Bytes. We created the apis that are needed to explore through our musicatlas. We have optimized our server and database to give results in mini-seconds. Hope you will appreciate our effort.

3 APIs

Here are few information about APIs that are available publicly.

Database Host: <https://db03.cs.utah.edu:8181>

1. **Country Track count:**
[/api/country_track](#)
2. **Country Track count filter country per year**
[/api/country_track_year/< country_id >](#)
3. **Length of track based on country**
[api/country_length_per_year/< country_id >](#)
4. **Length of track filter on country and year range**
[api/country_length_per_year_range/< country_id >/< start_year >/< end_year >](#)
Click for example
5. **Track record based on country (with pagination)**
[api/country_track_record/< country_id >?limit=1000&offset=0](#)
6. **Track record filter on country and year range (with pagination)**
[api/country_track_record_range/< country_id >/< start_year >/< end_year >?limit=1000&offset=0](#)
Click for example
7. **Artist Track count filter country (with pagination sorted descending order of count)**
[api/artist_tags/< country_id >?limit=100offset=0](#)
Click for example

8. **Artist Track count filter country, year range (with pagination sorted descending order of count)**
 api/artist_tags/< country_id >/< start_year >/< end_year >?limit=100offset=0
 Click for example
9. **Genre Track count filter country (with pagination sorted descending order of count)**
 api/genre_tags/< country_id >?limit=100offset=0 Click for example
10. **Genre Track count filter country, year range (with pagination sorted descending order of count)**
 api/genre_tags/< country_id >/< start_year >/< end_year >?limit=100offset=0
 Click for example
11. **Track Records filter country, year range, track length (with pagination)**
 /api/country_track_year_range_length/< country_id >/< start_year >/< end_year >/< min_length >/< min_length >?limit=1000offset=0
 Click for example
12. **Track Records filter filter country, year range, track length (with pagination and artist)**
 api/country_track_year_range_length_artist/< country_id >/< start_year >/< end_year >/< artist_name >?limit=500
 click for example