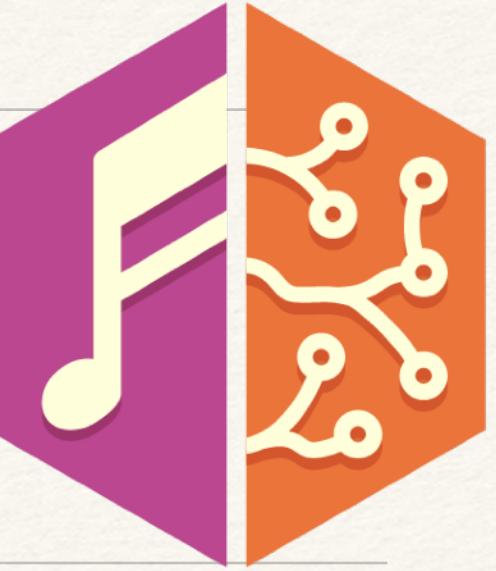


MusicBrainz Database Schema

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LinkedMusic Workshop
19 November 2022



<https://musicbrainz.org>

- ❖ Open database of (recorded) music metadata
- ❖ Run by the MetaBrainz Foundation (California non-profit)
- ❖ 12 Paid developers
- ❖ Community of 20,000+ active volunteers who add data
- ❖ Foundation funded by licensing fees for access to the MusicBrainz database

Screenshot of the MusicBrainz website showing the release page for "A Night at the Opera" by Queen.

The page includes:

- Annotation:** No Synthesisers! Recorded at Sarm, Roundhouse, Olympic, Rockfield, Scorpio and Lansdowne Mixed at Sarm Studios Manufactured by EMI Bovema-Holland (p)1975
- Tracklist:**
 - Vinyl 1**

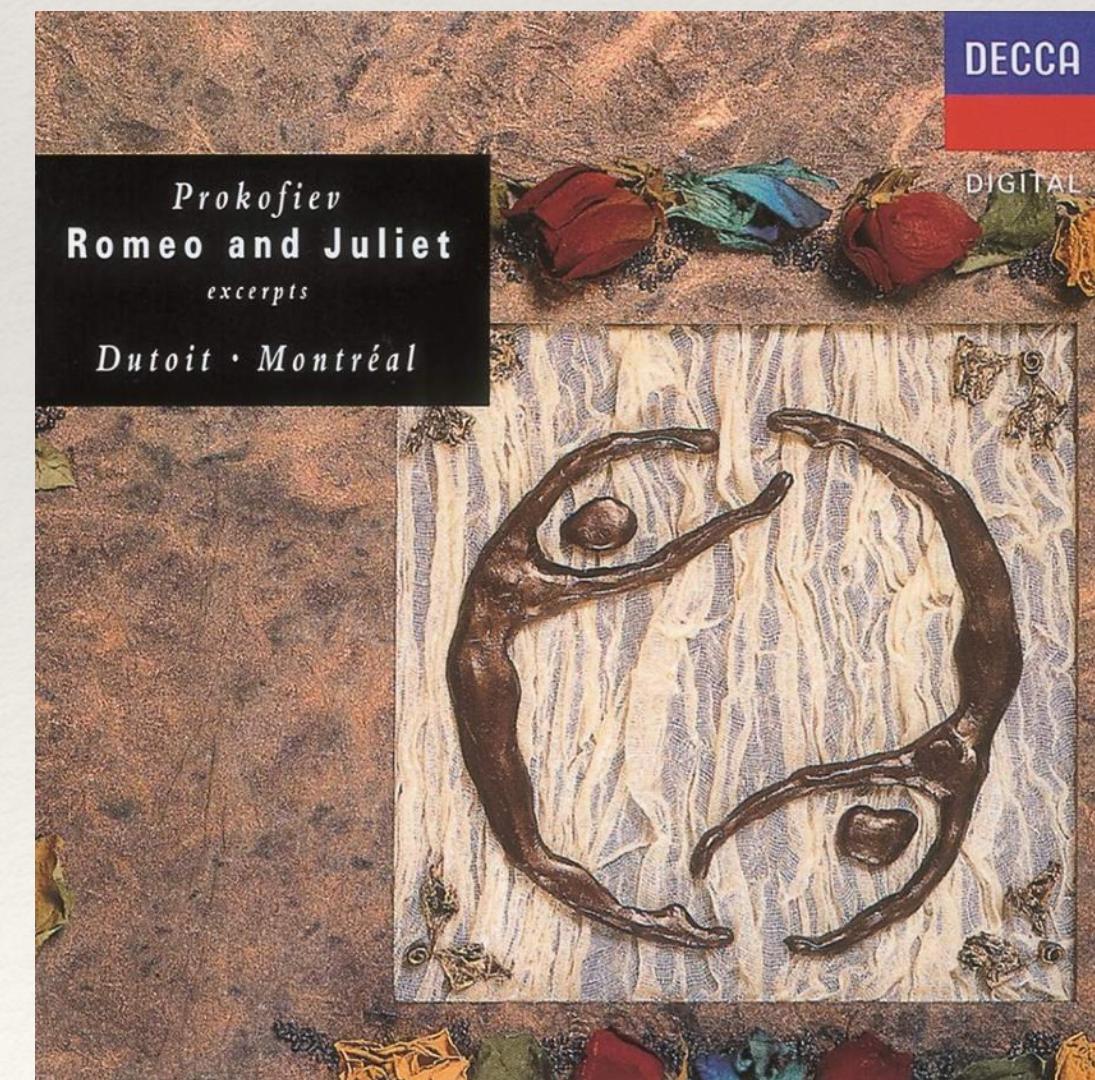
#	Title	Rating	Length
A1	Death on Two Legs (Dedicated To...)	★★★☆☆	3:35
A2	Lazing on a Sunday Afternoon	★★★☆☆	1:05

Additional credits for "Death on Two Legs":
additional sound engineer: [Gary Lyons](#) (UK engineer & producer)
additional engineer: [Kris Fredriksson](#)
executive engineer: [Mike Stone](#) (producer, engineer, UK, 60's-80's)
executive producer: [Brian May](#) (Queen guitarist) and [Roger Taylor](#) (Queen drummer)
producer: [Roy Thomas Baker](#) (producer) and [Queen](#) (UK rock group)
bass guitar: [John Deacon](#)
drums (drum set): [Roger Taylor](#) (Queen drummer)
guitar: [Brian May](#) (Queen guitarist)
piano and lead vocals: [Freddie Mercury](#)
background vocals: [Brian May](#) (Queen guitarist), [Freddie Mercury](#) and [Roger Taylor](#) (Queen drummer)
phonographic copyright (c) by: [Queen Productions Ltd.](#) (company and copyright holder, do not use as an imprint or release label) (in 1975, in 2011)
mixed at: [Sarm East Studios](#) in [Whitechapel, Tower Hamlets, London](#) (Greater London, which includes the City of London), [England](#), [United Kingdom](#) and [SARM Studios](#) in [London](#) (Greater London, which includes the City of London), [England](#), [United Kingdom](#)
recording of: [Death on Two Legs \(Dedicated to...\)](#)
lyricist and composer: [Freddie Mercury](#)
publisher: [EMI Music](#) (do not use as release label! this is a music publisher), [EMI Music Publishing Ltd.](#) and [Queen Music Ltd.](#)

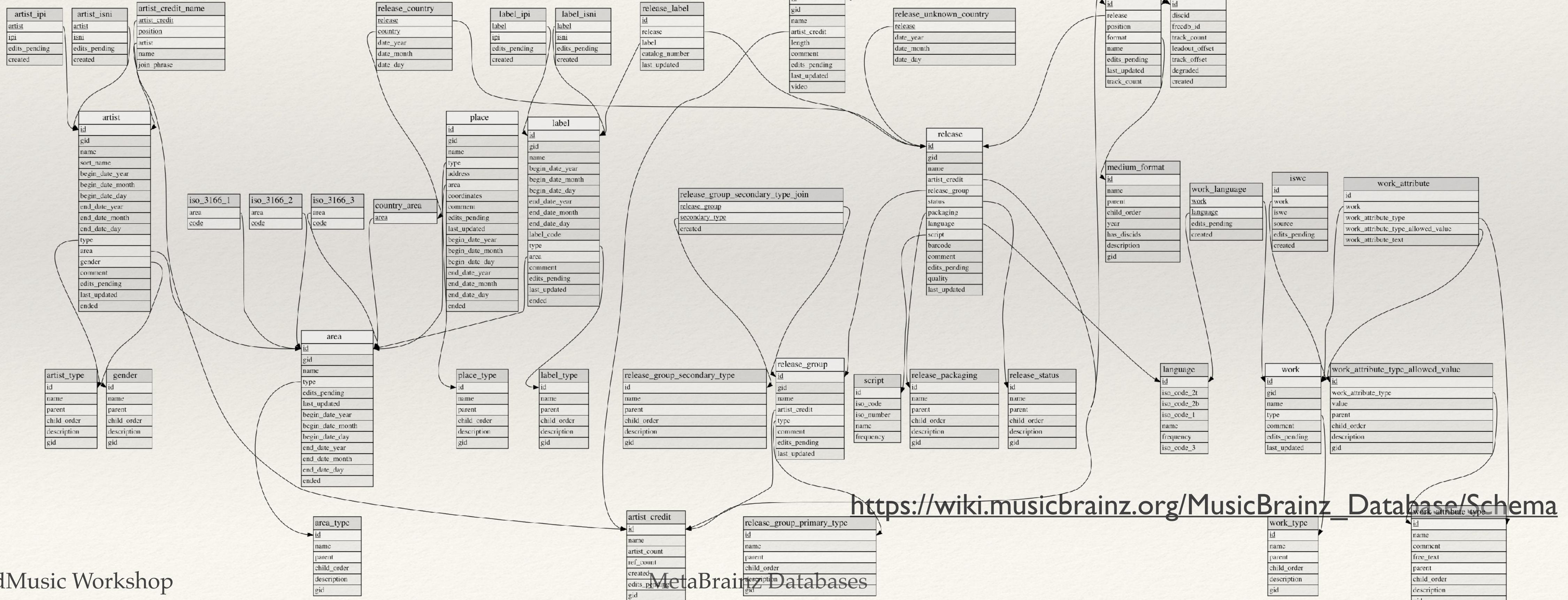
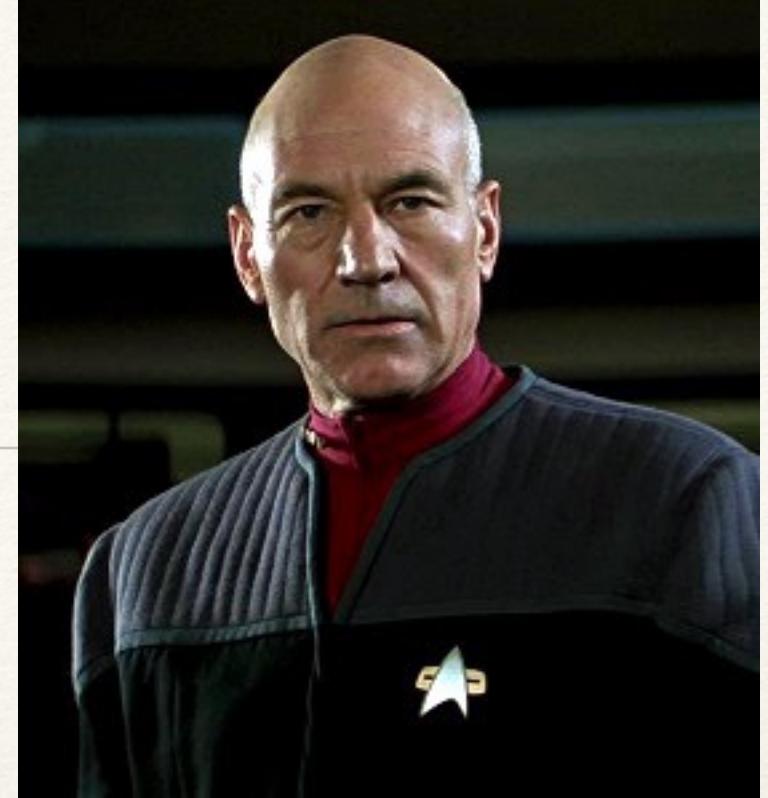
Additional credits for "Lazing on a Sunday Afternoon":
additional sound engineer: [Gary Lyons](#) (UK engineer & producer)
additional engineer: [Kris Fredriksson](#)
executive engineer: [Mike Stone](#) (producer, engineer, UK, 60's-80's)
executive producer: [Brian May](#) (Queen guitarist) and [Roger Taylor](#) (Queen drummer)
producer: [Roy Thomas Baker](#) (producer) and [Queen](#) (UK rock group)
bass guitar: [John Deacon](#)
drums (drum set): [Roger Taylor](#) (Queen drummer)
guitar: [Brian May](#) (Queen guitarist)
piano, background vocals and lead vocals: [Freddie Mercury](#)
phonographic copyright (c) by: [Queen Productions Ltd.](#) (company and copyright holder, do not use as an imprint or release label) (in 2011)
mixed at: [Sarm East Studios](#) in [Whitechapel, Tower Hamlets, London](#) (Greater London, which includes the City of London), [England](#), [United Kingdom](#)
- Release information:** Format: Vinyl Length: 39:59
- Additional details:** Type: Album Status: Official Language: English Script: Latin Data Quality: Normal
- Labels:** EMI SC 062-97176
- Release events:** Netherlands 1975-11-21
- Release group rating:** ★★★★☆ (see all ratings)
- Release group reviews:** There's 1 review on CritiqueBrainz. You can also write your own.
- Genres:** (none)
- Other tags:** (none)
- See all tags**
- External links:** Discogs
- Release group external links:** AllMusic

Original schema

- ❖ Originally a copy of the CDDB structure:Artist,Album,Track
- ❖ The same recording on different albums is in the database twice
- ❖ Multi-CD albums get entered as different albums
- ❖ The "Classical Music Problem"



The Next Generation Schema

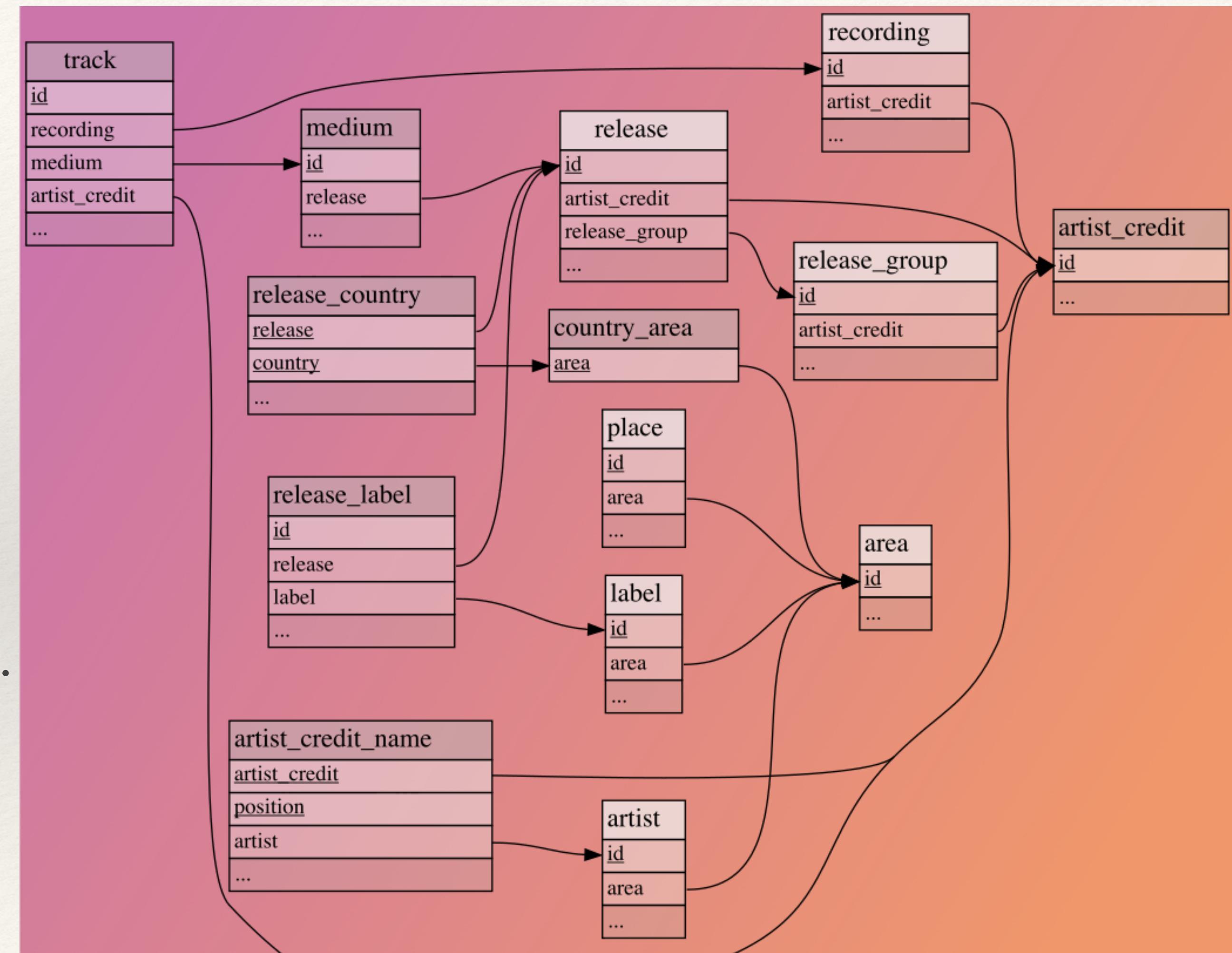


Schema

- ❖ https://wiki.musicbrainz.org/MusicBrainz_Database/Schema
- ❖ The schema was not built as an implementation of an existing schema (2011)
 - ❖ Solve a specific problem that we had
 - ❖ We saw that we implemented many features of existing metadata schemas
 - ❖ Periodic updates to add new features (up to 2 releases per year, usually fewer)
- ❖ All items in the database have a MusicBrainz ID (Random UUID) for public identification
 - ❖ In our experience, every time we thought that this wasn't necessary, we eventually realised that it would be useful

Core entities

- ❖ **Release Group**: contains multiple variants of the same **release** (vinyl, cassette, CD, reissue, country variants)
- ❖ A release can have 1 or more mediums (CD1, CD2, CD3...)
- ❖ **Recordings** can be shared between multiple releases. Link between medium-track-recording. Tracks are unique, but recordings may not be
- ❖ **Artist** credits explain who performed



Artist credits

- ❖ https://wiki.musicbrainz.org/Artist_Credits
- ❖ Who is the release attributed to?
- ❖ Recordings can optionally have another artist credit (otherwise it is shared with the release)
- ❖ Credits can include additional text (join phrase)
- ❖ The name of the artist in the credit can be different to the artist's original name

The screenshot shows a web browser displaying the MusicBrainz website for the release "Pearl" by Gaucho featuring Tamar Korn. The page includes a navigation bar with links like Overview, Disc IDs (1), Cover Art (4), Aliases, Tags, Details, Edit, and Edit Relationships. Below this is a "Tracklist" section for CD 1, listing eight tracks: Sing On, Little Sweetie, Doublebarrel, Waiting, Pazzo, Mariposa Waltz, Pearl, and Sergei Stomp. Each track entry includes recording, lyricist, and composer information. To the right of the tracklist is a sidebar with "Release information" (Barcode: 852515002143, Format: CD, Length: 50:51), "Additional details" (Type: Album, Packaging: Digipak, Status: Official, Language: English, Script: Latin, Data Quality: Normal), "Labels" (Porto Franco Records PFR026), "Release events" (United States, 2010-10-19), and "Release group rating" (★★★★★). A small image of the album cover for "Pearl" is also visible.

#	Title	Artist	Rating	Length
1	Sing On (Odessa Sing On)	Gaucho feat. Tamar Korn	★★★★★	5:07
2	Little Sweetie	Gaucho feat. Tamar Korn	★★★★★	3:19
3	Doublebarrel	Gaucho	★★★★★	4:31
4	Waiting	Gaucho	★★★★★	3:25
5	Pazzo	Gaucho	★★★★★	3:10
6	Mariposa Waltz	Gaucho	★★★★★	3:33
7	Pearl	Gaucho feat. Tamar Korn	★★★★★	6:30
8	Sergei Stomp	Gaucho	★★★★★	2:50

Other entities

- ❖ Not an exhaustive list, but these items have a MusicBrainz ID
- ❖ https://musicbrainz.org/doc/MusicBrainz_Entity
- ❖ Area (geographical)
- ❖ Place (Studio, Stadium)
- ❖ Event (Concert, Festival)
- ❖ Artists (Person or Group)
- ❖ Release ("Album")
- ❖ Release Group (Collection of releases)
- ❖ Recording
- ❖ Series
- ❖ Work ("Composition", but also movement, symphony)
- ❖ Genre
- ❖ Instrument

Instruments

<https://musicbrainz.org/instruments>

Instrument List - MusicBrainz

musicbrainz.org/instruments

alastairp My Data

Search Artist

About Us Products Search Editing Documentation English

Instrument List

Wind instrument

- accordina (harmonica/accordion hybrid) — Harmonica/Accordion hybrid where the bellows for the accordion bit with buttons/keys receive air though the user blowing into the instrument like an harmonica
- accordion (Commonly used bellowed free reed with keys/buttons) — Invented and developed by several people in the early 1800's, it has an arm operated bellows with keys or buttons at one end and bass buttons at the other.
- algozey — The algozey is a wooden, beaked double-flute traditionally played by goat herders in the Punjab region of India and Pakistan.
- alphorn — The alphorn, or alpine horn, is a conical wood horn used for communication in mountains.
- alto clarinet — The alto clarinet is a clarinet in E♭ or sometimes F, normally with a curved neck.
- alto flute — The alto flute is a concert flute in G, lower in tone than the flûte d'amour.
- alto saxophone (Middle member of the saxophone family) — The most common member of the saxophone family, it is the alto member.
- Anglo concertina (Historical hybrid between English and German style concertinas) — Bisonoric and button layout like the German, reeds and hexagonal ends like the english, this concertina was created to rival the popular German variant imported into England.
- antara (Andean single row panpipe) — Used in traditional Andes music, it consists of a single row of pipes.
- arghul — The arghul is a traditional Egyptian double-pipe, single-reed woodwind instrument.
- bagpipe — The bagpipe is an instrument consisting of a series of enclosed reeds fed by a bag of air.
- bandoneón — Invented and used in 1800's Europe, it became popular in Argentina. Unlike concertinas it is square, but alike its button action is parallel, typically it has several reeds per button.
- bansuri — The bansuri is a transverse alto flute, which is the North Indian counterpart to the venu.
- baritone horn — The baritone horn is a piston valve brass instrument with a wide-rimmed cup mouthpiece which is pitched in B♭, one octave below the B♭ trumpet.
- baritone saxophone (Middle-Low member of the saxophone family) — The most common of the lower members of the saxophone family, it is the middle-low baritone.
- baroque rackett (Conical bored compact double reed) — Improved by Johann Christoph Denner sometime around 1730, its "coiled snake" bore now is conical, in addition it is played through a removable metal curled mouth piece.
- baroque trumpet (20th century reinvented natural trumpet) — Based on the natural trumpet used in the 1500s to 1700s, this mid 20th century reinvention lacks valves but may have vents.
- barrel organ — A barrel organ is a mechanical musical instrument typically operated by a person turning a crank which turns a barrel which has music encoded onto it.
- bass clarinet — The bass clarinet is a clarinet, typically pitched an octave below the soprano B♭ clarinet.
- bass flute — The bass flute is a flute, pitched one octave below the C concert flute, with a tube about 1.5 meters long.
- bass harmonica — The bass harmonica is a type of octave harmonica where the lowest note (E) is the same as that on a bass guitar.
- bass oboe — The bass oboe is a double reed woodwind instrument which is about twice the size of a regular oboe.
- bass recorder
- bass saxophone (Second lowest member of the saxophone family) — Second largest and lowest member of the saxophone family. It is similar to the baritone, but larger and with a longer loop near the mouthpiece.
- bass trombone
- bass trumpet — The bass trumpet is a type of low trumpet similar to the valve trombone.
- basset clarinet
- basset horn
- bassoon
- hawu — The hawu is a Chinese wind instrument. Although shaped like a flute, it is actually a free reed instrument with a single metal reed.

Wind instrument "melodica" - MusicBrainz

musicbrainz.org/instrument/8ab40df2-106b-4b9b-a50c-0798ee95da8f

alastairp My Data

Search Artist

About Us Products Search Editing Documentation English

melodica (Free-reed keyboard mouth-organ)

Wind instrument

Overview Artists Releases Recordings Aliases Tags Details

Description

Popular as a musical education tool, it is usually made of plastic with a keyboard, its free-reed mouthpiece can also have an optional air tube. It has many brandnames.

Wiki

The **melodica** is a handheld free-reed instrument similar to a pump organ or harmonica. It features a musical keyboard on top, and is played by blowing air through a mouthpiece that fits into a hole in the side of the instrument. The keyboard usually covers two or three octaves. Melodicas are small, lightweight, and portable, and many are designed for children to play. They are popular in music education programs, especially in Asia. The modern form of the instrument was invented by Hohner in the late 1950s, though similar instruments have been known in Italy since the 19th century.

Continue reading at [Wikipedia...](#) Wikipedia content provided under the terms of the [Creative Commons BY-SA license](#)

Relationships

- type of: [mouth organ](#)
- derivations: [vibrandoneon](#) (accordina with piano keys)
- related instruments: [claviola](#) (free reed aerophone with pitching pipes.)
- has hybrids: [accordina](#) (harmonica/accordion hybrid)
- picture: <https://staticbrainz.org/irombook/melodica/melodica.png> [info]
- Wikidata: [Q512191](#) [info]
- other databases: https://saisabatake.ame-zaiku.com/gakki/gakki_jiten_pianica.html [info]

Tags

- free reed
- keyboard
- wind
- woodwind

External links

- IROMBOOK 私家版楽器事典
- Wikidata: Q512191

Editing

- Open edits
- Editing history

Collections

My collections

- Add to a collection of instruments
- Add to a new collection

Other collections

- Found in 1 user collection

Last updated on 2018-08-29 18:26 GMT+2

Aliases

- ❖ Alternate names for entities
- ❖ Most entity types can have an alias
- ❖ Per-language variations
 - ❖ <https://musicbrainz.org/artist/9ddd7abc-9e1b-471d-8031-583bc6bc8be9>
 - ❖ Name: Пётр Ильич Чайковский
 - ❖ "English Primary Alias": Pyotr Ilyich Tchaikovsky
 - ❖ "Search hints" (common misspellings)

The screenshot shows the MusicBrainz website for the instrument "melodica". The URL is musicbrainz.org/instrument/8ab40df2-106b-4b9b-a50c-0798ee95da8f/aliases. The page title is "Wind instrument "melodica"".

Aliases

An alias is an alternate name for an entity. They typically contain common misspellings or variations of the name and are also used to improve search results. View the [alias documentation](#) for more details.

Alias	Sort name	Begin Date	End Date	Type	Locale
میلودیکا	miludika			Instrument name	Arabic (primary)
المیلودیکا	almayludika			Instrument name	Arabic
melòdica				Instrument name	Catalan (primary)
Melodica				Instrument name	German (primary)
μελόντικα	melóntika			Instrument name	Greek (primary)
melodica				Instrument name	English (primary)
blovklavaro				Instrument name	Esperanto (primary)
melódica				Instrument name	Spanish (primary)
meloodika				Instrument name	Estonian (primary)
melodiko				Instrument name	Basque (primary)
ملوڈیکا	mlwdakea			Instrument name	Persian (primary)
melodika				Instrument name	Finnish (primary)
mélodica				Instrument name	French (primary)
melodica				Instrument name	Irish (primary)
מלודיקה	mlwdyqh			Instrument name	Hebrew (primary)

Instrument Information
Type: Wind instrument

Genres
(none)

Other tags
free reed + - 1
keyboard + - 1
wind + - 1
woodwind + - 1

External links
IROMBOOK 私家版楽器事典
Wikidata: Q512191

Editing
Open edits
Editing history

Collections
My collections
Add to a collection of instruments
Add to a new collection

Other collections
Found in 1 user collection

Last updated on 2018-08-29 18:26 GMT+2

Attributes

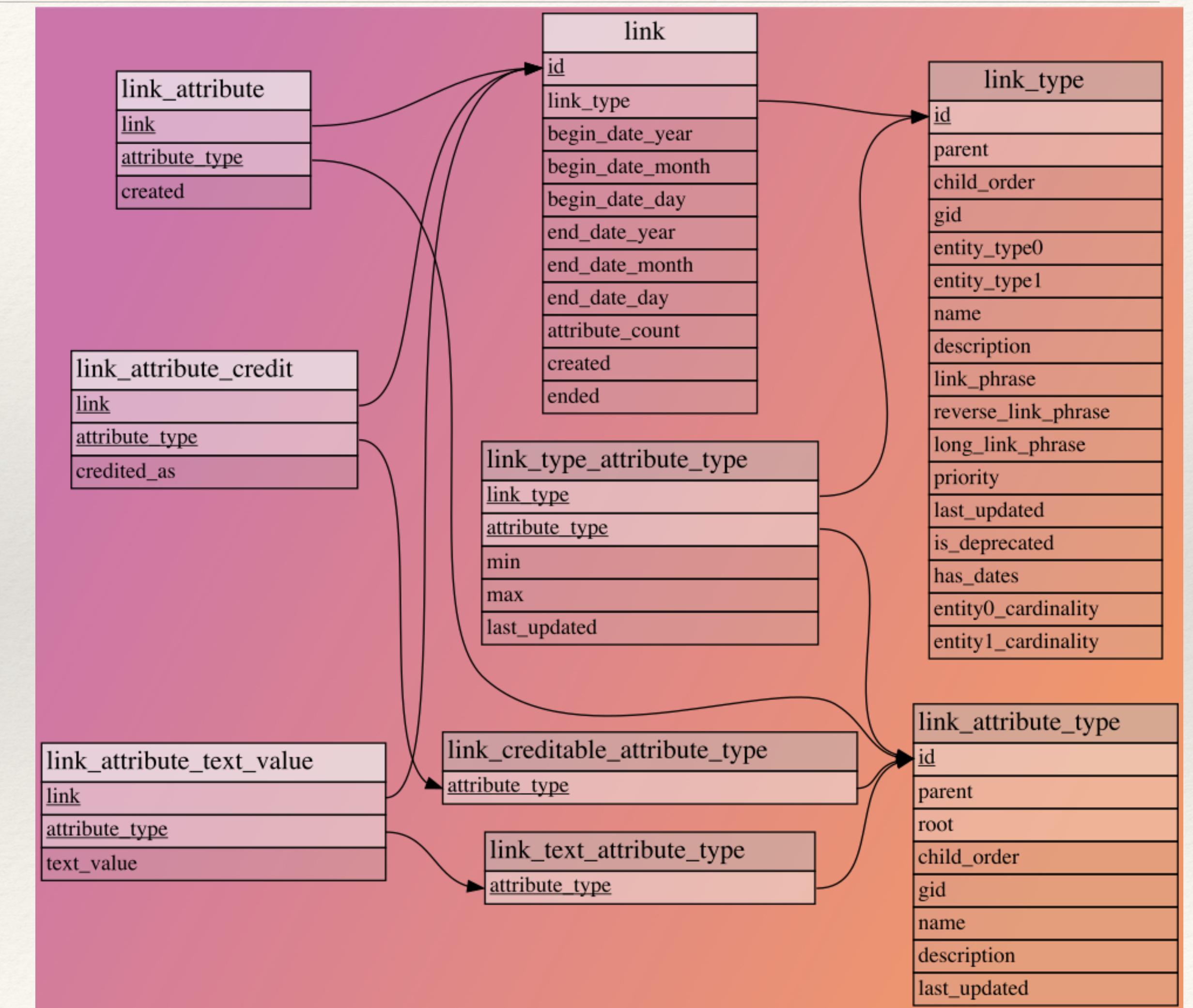
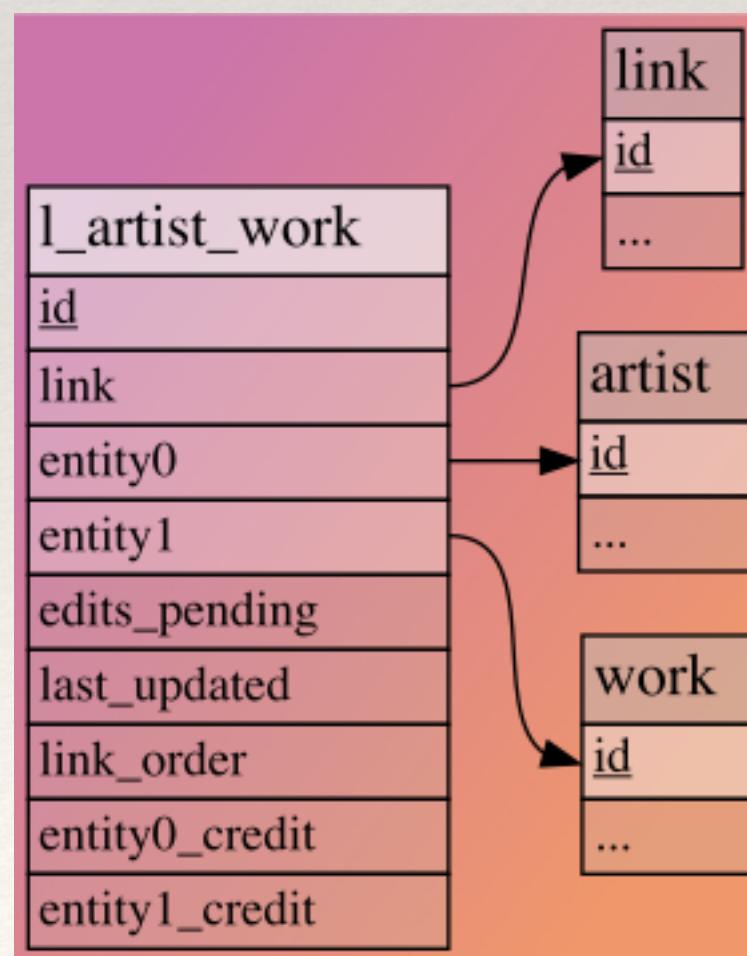
- ❖ <https://musicbrainz.org/relationships>
- ❖ Used to create links between entities in the database
 - ❖ Artist - composed - a work
 - ❖ Person - published - a work
 - ❖ Person - performed [instrument] - on a recording
 - ❖ Recording - was recorded [on date] - at place

The screenshot shows a web browser window for the MusicBrainz website. The URL in the address bar is musicbrainz.org/relationships/artist-work. The page title is "Artist-Work Relationship Types". The main content area is titled "Relationships" and contains a section for "Artist-Work relationship types". It lists several relationship types with their descriptions and UUIDs:

- composition (more)
 - writer (more)
 - composer (less)
 - Forward link phrase: {additional: additionally} composed
 - Reverse link phrase: {additional} composer
 - Long link phrase: {additional: additionally} composed
 - Description: Indicates the composer for this work, i.e. the artist who wrote the music (not necessarily the lyrics).
 - Cardinality of {entity0}: Many relationships (1)
 - Cardinality of {entity1}: Few relationships (0)
 - UUID: d59d99ea-23d4-4a80-b066-edca32ee158f
 - [Documentation]
 - lyricist (more)
 - librettist (more)
 - revised by (more)
 - translator (more)
 - reconstructed by (more)
 - arranger (more)
 - instrument arranger (more)
 - orchestrator (more)
 - vocal arranger (more)
 - previous attribution (more)
 - misc (more)
 - commissioned (more)
 - dedication (more)
 - premiere (more)
 - publishing (more)

Attributes

- ❖ One table per pair of items that can be related
- ❖ link: metadata about the link itself
- ❖ link_type: the nature of the link between the entities
- ❖ attributes: [lead] performer, [assistant] producer



External sites (URLs)

- ❖ Point to external locations
- ❖ Turns out these are just relationships (URL is an entity)
- ❖ Other authority catalogues
- ❖ <https://musicbrainz.org/artist/0383dadf-2a4e-4d10-a46a-e9e041da8eb3>
- ❖ Some relationship types are specific to a site
 - ❖ Other types are generic (other database)

fan pages: <http://queen.musichall.cz/en/> [info]
<http://queen.shanemcdonald.org/> [info]
<http://www.meddows.com/> [info]
<http://www.queenconcerts.com/> [info]
<http://www.queenfanclub.nl/> [info]
<https://shanemcdonald.ie/queen> [info]

purchase music for mail-order: <https://www.cdjapan.co.jp/person/700192881> [info]
purchase music for download: <https://itunes.apple.com/gb/artist/id3296287> [info]
<https://uk.7digital.com/artist/queen> [info]
<https://play.google.com/store/music/artist?id=A52ikp5gjplylwfrj7bjwdfozi> [info] (until 2020-10-12)

IMDb: <https://www.imdb.com/name/nm1277102/> [info]
Discogs: <https://www.discogs.com/artist/81013> [info]

official homepages: <http://www.queenonline.com/> [info]
discography pages: <http://www.queenonstage.com/> [info]
<http://www.queenpedia.com/> [info]
<http://www.queensongs.info/> [info]

online communities: <https://discord.com/invite/queenofficial> [info]
other databases: <http://d-nb.info/gnd/1216393-4> [info]
<http://id.loc.gov/authorities/names/n81144041> [info]
http://musicmoz.org/Bands_and_Artists/Q/Queen/ [info]
<http://mvdbase.com/person.php?id=A1497> [info]
<http://soundtrackcollector.com/composer/255/> [info]
<http://www.45cat.com/artist/queen> [info]
<https://catalogue.bnfi.fr/ark:/12148/cb13905983b> [info]
<https://imvdb.com/n/queen> [info]
<https://nla.gov.au/nla.party-1252469> [info]
<https://openlibrary.org/works/OL2786044A> [info]
<https://rateyourmusic.com/artist/queen> [info]
<https://theatricalia.com/person/2fbw/queen> [info]
<https://www.livefans.jp/artists/21342> [info]
<https://www.musik-sammler.de/artist/queen> [info]
<https://www.muziekweb.nl/Link/M00000071922/POPULAR/> [info]
<https://www.spirit-of-rock.com/en/band/Queen> [info]
<https://www.whosampled.com/Queen/> [info]
<https://www.worldcat.org/identities/lccn-n81144041> [info]

Myspace: <https://myspace.com/queen> [info]
BBC Music: <https://www.bbc.co.uk/music/artists/0383dadf-2a4e-4d10-a46a-e9e041da8eb3> [info] (until 2020-11-19)

social networking: <https://www.facebook.com/Queen> [info]
<https://www.tiktok.com/@queenofficial> [info]
<https://plus.google.com/111434746288415573196> [info] (until 2019-04-02)
<https://twitter.com/QueenWillRock> [info] (from 2009-12-22 to present)
<https://www.instagram.com/officialqueenmusic/> [info] (from 2014-06-12 to present)

YouTube channels: <https://www.youtube.com/user/queenofficial> [info]
stream for free: <https://open.spotify.com/artist/1dfeR4HaWDbWqFHLxsg1d> [info]
<https://www.deezer.com/artist/412> [info]

lyrics page: <http://muzikum.eu/en/122-3908/queen/lyrics.html> [info]
<https://genius.com/artists/Queen> [info]
<https://www.musixmatch.com/artist/Queen> [info]

Allmusic: <https://www.allmusic.com/artist/mn0000858827> [info]
SoundCloud: <https://soundcloud.com/queen-69312> [info]
SecondHandSongs: <https://secondhandsongs.com/artist/374> [info]
VIAF ID: [261960117](#) [info]
Wikidata: [Q15862](#) [info]
Songkick: <https://www.songkick.com/artists/469904> [info]
setlist.fm: <https://www.setlist.fm/setlists/queen-43d6e37f.html> [info]
Last.fm: <https://www.last.fm/music/Queen> [info]
streaming page: [Amazon Music US](#) [info]
<https://music.apple.com/gb/artist/3296287> [info]
<https://tidal.com/artist/8992> [info]
<https://us.napster.com/artist/queen> [info]
<https://www.8tracks.com/artist/queen> [info]

Work attributes

- ❖ CompMusic project (2011-2017)
- ❖ We decided to add all content to MusicBrainz instead of creating a separate database
- ❖ Some information didn't fit in the existing MusicBrainz schema
- ❖ We used tags to temporarily store it
- ❖ MusicBrainz added additional functionality for our requirements (also subsequently used for other purposes)
- ❖ <https://musicbrainz.org/work/adcdc472-8b19-4e6f-aa4e-be8c6aea5f8a>
- ❖ <https://musicbrainz.org/work/bb332094-7f0c-469a-9f3b-4cce7b28c7f4>

The screenshot shows a MusicBrainz page for the song "Viriboni". The page includes a navigation bar with links like "About Us", "Products", "Search", "Editing", and "Documentation". The main content area displays the song's title, "Viriboni (Bhairavi Ata Thala Varnam)", and its type, "Song". It lists the composer as "Pachimiriyam Adiyappaiah". Below this, there are sections for "Relationships" (showing connections to other works) and "Recordings" (listing various performances). The "Recordings" table has columns for Date, Title, Attributes, Artist, and Length. The table lists multiple entries from 1974 to 2015, featuring artists like M. D. Ramanathan, K.V. Narayanaswami, and Malladi Brothers. On the right side of the page, there are sections for "Work information" (Type: Song, Languages: Telugu), "Work attributes" (Rāga (Carnatic): Bhairavi, Tāla (Carnatic): Atta), "Rating" (4 stars), "Genres" (none), "Other tags" (raaga : bhairavi, taala : khanda ata), "Editing" (Add annotation, Merge, Open edits, Editing history), and "Collections" (My collections, Other collections). A sidebar on the right lists various identifiers for the work, such as AACIMH ID, ACAM ID, ACDAM ID, AEI ID, AGADU ID, AKKA/LAA ID, AKM ID, AMRA ID, APA ID, APDAYC ID, APRA ID, ARTISJUS ID, ASCAP ID, BMI ID, BUMA/STEMRA ID, CASH ID, CCLI ID, COMPASS ID, COSCAP ID, COTT ID, ECAD ID, GEMA ID, GMR ID, HFA ID, ICE ID, IMRO ID, IPRS ID, JACAP ID, JASRAC ID, KODA ID, KOMCA ID, LatinNet ID, MACP ID, MCSC ID, MCT ID, MÜST ID, and NexTone ID. The page footer includes links for "Donate", "Wiki", "Forums", "Chat (IRC)", "Bug Tracker", "Blog", "Twitter", "Use beta site", and a note about being brought to you by MetaBrainz Foundation and its sponsors.

Edits

- ❖ All changes to the database are proposed as *edits* to the database
- ❖ Edits are voted on by the community to determine if they are valid
- ❖ An edit history is stored for all entities
- ❖ A list of edits is also used to perform updates to database mirrors
- ❖ [https://musicbrainz.org/search/edits?
auto_edit_filter=&order=desc&negation=0&com
binator=and&conditions.0.field=artist&conditions
.0.operator=%3D&conditions.0.name=R.E.M.&c
onditions.0.args.0=10302&conditions.1.field=type&
conditions.1.operator=%3D&conditions.1.args=2](https://musicbrainz.org/search/edits?auto_edit_filter=&order=desc&negation=0&combinator=and&conditions.0.field=artist&conditions.0.operator=%3D&conditions.0.name=R.E.M.&conditions.0.args.0=10302&conditions.1.field=type&conditions.1.operator=%3D&conditions.1.args=2)

The screenshot shows a list of 7 edits made to the artist R.E.M. on the MusicBrainz website. Each edit entry includes the edit ID, title, editor, status, and details about the edit.

- Edit #46962365 - Edit artist**
Edit by drsaunde
Artist: R.E.M. (Athens, US rock band)
Disambiguation: Athens, US rock band
My vote: None automatically applied
Closed: 2017-08-03 20:04 GMT+2
- Edit #24192395 - Edit artist**
Edit by drsaunde
Artist: R.E.M. (Athens, US rock band)
Founded in: Georgia, United States | Athens, Georgia, United States
My vote: None automatically applied
Closed: 2013-10-21 00:09 GMT+2
- Edit #23571672 - Edit artist**
Edit by drsaunde
Artist: R.E.M. (Athens, US rock band)
Founded in: Georgia, United States
ISNI codes: 0000000121515044
My vote: None automatically applied
Closed: 2013-09-02 04:34 GMT+2
- Edit #15240021 - Edit artist**
Edit by PhantomOTO
Artist: R.E.M. (Athens, US rock band)
Dissolved: 2011-09-21
My vote: None automatically applied
Closed: 2011-09-21 19:39 GMT+2

Data formats

- ❖ API available via XML (with schema), JSON
- ❖ Main pages also available via JSON-LD (used by search engines)

```
{
  "name": "Queen",
  "isnis": [
    "0000000115265309"
  ],
  "gender": null,
  "sort-name": "Queen",
  "type-id": "e431f5f6-b5d2-343d-8b36-72607ffb74b",
  "disambiguation": "UK rock group",
  "ipis": [],
  "area": {
    "id": "8a754a16-0027-3a29-b6d7-2b40ea0481ed",
    "iso-3166-1-codes": [
      "GB"
    ],
    "name": "United Kingdom",
    "disambiguation": "",
    "type": null,
    "sort-name": "United Kingdom",
    "type-id": null
  },
}
```

```
{
  "@id": "http://musicbrainz.org/artist/0383dadf-2a4e-4d10-a46a-e9e041da8eb3",
  "@type": "MusicGroup",
  "album": [
    {
      "creditedTo": "Queen",
      "albumProductionType": "http://schema.org/StudioAlbum",
      "byArtist": {
        "name": "Queen",
        "@type": "MusicGroup",
        "@id": "http://musicbrainz.org/artist/0383dadf-2a4e-4d10-a46a-e9e041da8eb3",
        "genre": [
          "http://musicbrainz.org/genre/0e3fc579-2d24-4f20-9dae-736e1ec78798",
          "http://musicbrainz.org/genre/51cb9f91-e6a2-41bf-891f-e78e3f1e52ab",
          "http://musicbrainz.org/genre/54d89e62-5fb-42bc-a321-9230e6fdcd75",
          "http://musicbrainz.org/genre/b7ef058e-6d83-4ca4-8123-9724bff4648b",
          "http://musicbrainz.org/genre/797e2e85-5ffd-495c-a757-8b4079052f0e"
        ]
      },
      "@type": "MusicAlbum",
      "@id": "http://musicbrainz.org/release-group/810068af-2b3c-3e9c-b2ab-68a3f3e3787d",
      "name": "Queen"
    }
  ]
}
```



CritiqueBrainz

- ❖ <https://critiquebrainz.org>
- ❖ Open database of reviews of music (and books)

Screenshot of the CritiqueBrainz website:

The page shows the CritiqueBrainz logo, navigation links for Sign in, Reviews, and Statistics, and search fields for Search and Artist.

Welcome to CritiqueBrainz!

CritiqueBrainz is a repository for Creative Commons licensed music and book reviews. Here you can read what other people have written about an album or event and write your own review!

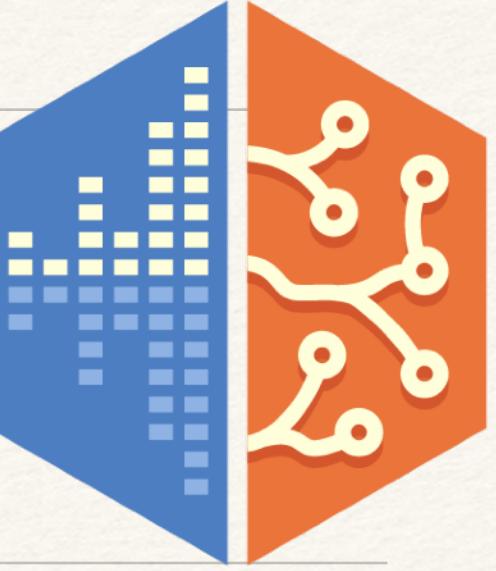
CritiqueBrainz is based on data from MusicBrainz - open music encyclopedia and BookBrainz - open book encyclopedia. Everyone - including you - can participate and contribute.

Statistics

Description	Number
Number of Reviews	10,399
Number of Users	2,722

Popular reviews

 RAYFORCE by ZUNTATA Review by UCHUBomb One of the most unique shmup OST's for one of the most unique arcade shmpus ever made, and arguably Tamayo Kawamoto's...	 Spaceball: The American Radio Sessions by ... Review by Jon Lusk Subtitled The American Radio Sessions, this double-disc set collects largely acoustic versions of classic T. Rex songs performed in...
 Kamaal the Abstract by Q-Tip Review by Stevie Chick That Q-Tip spent his own money to purchase the rights to this previously-shelved album suggests how close it is to his heart. That it...	 Odd and Awkward by Nils Wogram Review by Peter Marsh Trombonist Nils Wogram is pretty much unknown over here but has made a name for himself on the Eurojazz circuit, and this...
 Summer Days (and Summer Nights!!) by The Beach Boys Review by Chris Roberts Released just four months after Today! in July 1965, The Beach Boys' ninth album was at first deemed by some to be a regression. Its...	 Bongo Bong Review by rob This track has long been the stand-out track that exemplifies Manu Chao for me -- I've been loving this song ever since it came out ...



AcousticBrainz

<https://acousticbrainz.org>

- ❖ Public archive of features automatically extracted from music
- ❖ Uses Essentia (<https://essentia.upf.edu/>)
- ❖ Audio descriptors (MFCCs), Tonal features (key, chords), Rhythmic Features (bpm)
- ❖ Support Vector Machines to compute features using common MIR tasks
- ❖ Ran from 2015-2022

The screenshot shows a web browser displaying the AcousticBrainz website for a specific recording. The URL in the address bar is <https://acousticbrainz.org/4ad2ca2d-5a12-4142-8371-e402b3401be8>. The page title is "Recording 'You Look Like I Need a Drink' by Against Me!".
See Similar

Metadata	value
MBID	4ad2ca2d-5a12-4142-8371-e402b3401be8
title	You Look Like I Need a Drink
artist	Against Me!
release	As the Eternal Cowboy
track number	9 / 11
track length	2:14

Submission #1 out of 18 →

Low-level information

Tonal & Rhythm	value
key	A# minor (46.0%)
chords key	D minor
danceability	1.04
bpm	143
beat count	302

High-level information

Voice, timbre, gender, etc.	value	probability
Voice	Instrumental	100%

This video is unavailable



ListenBrainz

<https://listenbrainz.org>

- ❖ Open database of user listening history
- ❖ import from lastfm, spotify
- ❖ Statistics
- ❖ Community functionality
- ❖ Recommendations

The screenshot shows the ListenBrainz user profile for 'alastairp'. The top navigation bar includes links for Home, Feed, Recent, Data, Explore, About, and a search bar. Below the navigation is a user profile section with the name 'alastairp' and a link to 'See profile on MusicBrainz'. A navigation bar below the profile includes tabs for Listen, Reports, Charts, Love/Hate, Pins, Playlists, Recommendations, and Collaborations. The main content area displays 'Recent listens' with a list of songs including 'Learning To Fly' by Tom Petty and the Heartbreakers, 'Roll Um Easy' by Little Feat, 'Get It On' by T. Rex, 'I Want To See The Bright Lights Tonight' by Richard & Linda Thompson, 'Blue Red And Grey' by The Who, 'Hazy Jane II' by Nick Drake, and 'Heaven on the Beach with You' by Robert Lester Folsom. Each song entry includes the album cover, title, artist, duration, timestamp, and like/dislike icons. To the right, there's a summary box stating 'You have listened to 25,297 songs so far' and a 'Followers (6)' section listing 'mr_monkey', 'iliekcomputers', and 'trai-bot' as follows.



BookBrainz

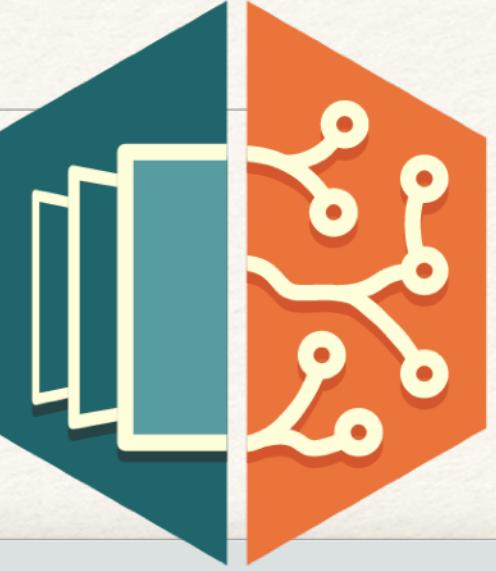
<https://bookbrainz.org>

❖ Open database of books

The screenshot shows a web browser displaying the BookBrainz website at <https://bookbrainz.org/edition/b2d02a9f-167b-438b-92f0-e2a6096123a1>. The page title is "Die Höhe bekommt uns nicht: Erzählungen" by Doris Lessing. The page includes a sidebar icon, author information, and a table of book details:

Sort Name	Status	Dimensions (WxHxD)	Publishers
Höhe bekommt uns nicht, Die: Erzählungen	Official	?x?x? mm	Deutscher Taschenbuch Verlag
Release Date	Languages	Weight	
1989-03	German	? g	
Format		Page Count	
Paperback		294	

Below the table, there is a link to "See all similar editions". The page also features sections for "Annotation" (with a note about the 1st edition from March 1989) and "Works", listing "Das Ärgernis" and "Winter im Juli" by Doris Lessing.



CAA

- ❖ <https://coverartarchive.org/>
- ❖ Open database of image cover art
- ❖ Collaboration between metabrainz and the internet archive (which stores the images)

The screenshot shows a web browser window for ListenBrainz. At the top, there's a navigation bar with links for Home, Feed, Recent, Data, Explore, and About. A search bar and a user profile for 'alastairp' are also visible. Below the navigation, the word 'Huesound' is displayed above a grid of album covers. The grid contains 25 different album art thumbnails, each with a title below it. To the left of the grid, there's a large circular color wheel. At the bottom of the page, there's a player interface showing 'Curmudgeon - Flacid' and a play button.

Huesound^{beta}

Curmudgeon - Flacid 0:04 / 2:05

Thanks

<https://metabrainz.org>

<https://musicbrainz.org>

<https://twitter.com/musicbrainz>

