

MusicBrainz and CompMusic

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Introduction

- CompMusic from October
- Currently at McGill University (Ichiro Fujinaga)
- MusicBrainz developer for 3–4 years

History of MusicBrainz

- <http://musicbrainz.org>
- Free database of music metadata
- Started in response to CDDDB becoming non-free by Robert Kaye
- Now has 600,000 artists, 1,000,000 releases, 10,000,000 recordings
- Thousands of volunteers to add, update, and vote on changes to the database
- Commercial support (Google, BBC, Amazon)

Data availability

- All album data is in the public domain (free to do anything)
- Some data is available under a creative commons licence
- Up-to-date data can be downloaded every hour

MusicBrainz entities

- Artist, Album, Track
- Work (idea of a song)
- Recording (recording of a song)
- Composition artist, Recording artist
- More than one performer (e.g. Queen and David Bowie)
- Medium
- Tracklist
- ReleaseGroup

Advanced Relationships

- Provide links between entities in the MusicBrainz database
- *Person played instrument on recording*
- *Person composed work*
- Wikipedia page at *url*
- Cover art at *url*
- New instrument? New link type? Propose it to the MusicBrainz community
- <http://wiki.musicbrainz.org/Proposals>

Developer resources

- API
- http://wiki.musicbrainz.org/XML_Web_Service
 - Python
 - C, C++, ObjC
- Access to all of the search / entity information
- (No edit capability)

Demo

`http://istanbul.mbsandbox.org`

- Search
- Results
- Editing
- Adding
- Voting

Tools for large scale insertion

- Release editor seeding
- http://musicbrainz.org/doc/Release_Editor_Seeding
- Bots
 - Code of conduct in development

Links

- `http://musicbrainz.org/doc/MusicBrainz_Database/Schema`
- `http://tickets.musicbrainz.org/browse/MBS-3296`