

Import Music Brainz Data

The purpose of this program is to read existing data about an artist from the open source music metadata encyclopaedia (<http://musicbrainz.org/>) and store it in the MBO-format. You can use this data in other programs that can read and/or write MBO-format data. You can store the data in a semantic database like Virtuoso, or write it to a file in Turtle- or XML-format.

To run the program, you just need to doubleclick the file ImportMusicBrainzData.exe. Make sure, that the Microsoft .NET Framework 4 is installed on your machine. If not, you can download it at <http://www.microsoft.com/de-de/download/details.aspx?id=17718>

The [user interface](#) consists of 4 tabs. In the first tab **Configuration**, you can configure the program: **Endpoint URL**: If you want to store the data in a semantic database, you have to enter the URL of the SPARQL-Endpoint of that database here.

User Name: If you want to store the data in a semantic database, you have to enter the name of the user here. Make sure, that this user has write access!

Graph Name: Here you have to enter the name of the data graph, where your data should be saved. The name should look like an URI, i.e. <http://www.yourwebspaces.com/> The last slash is mandatory, if you forgot it, we'll automatically add it!

Local Name: Here you have to enter the extension of the Graph Name that your data should be saved to. You can use something like *musicmetadata/* Again, the last slash is mandatory, if you forgot it, we'll automatically add it!

In the **Artist Search** tab you can search for an Artist in the MusicBrainz datastore. Just enter the name of the artist in the textfield and click on the **Go!**-Button. If we can connect to the MusicBrainz store, we'll show the name(s) of the artist that we found there. To select one of them, doubleclick the row. We then download all the available data for that Artist and show it in the next tab.

In the **View Data** tab, we show you all the data we found about that artist in a structured way. In the **Master Data** tab, you see all the base data of the artist. In the **Release Data** tab, you see the data about the music of that artist. In the topmost table, you see all available release groups. Doubleclick on a row to show all the releases (i.e. physical and digital) from that group with relevant information about each release. When you doubleclick on a release, the next table will show all the tracks that are contained in the release. If there is data missing, it probably is not stored in the MusicBrainz datastore.

Finally, in the **Import Data** tab you can write the data to a datastore, a Turtle- or an XML-File. You find the associated buttons at the bottom of the tab. The data to write is represented in a tree structure. If there is hierarchical data (i.e. Release Groups), there is a triangle left of the item. Click on that triangle to see the data contained by that field. Each item consists of 3 information. The first (from left to right) is the name of the data, i.e. *Country*. The second is the value of the data, i.e. *DE* and the third is a checkbox, where you can unselect items that you don't want to import. If there is incorrect data value, i.e. a misspelled name, you can correct it here as well. Just edit the data accordingly. To write the data to the MBO-format, click one of the buttons at the bottom of the view. You can choose between a semantic datastore or a simple file (which is only recommended for testing and playing a bit around with the program). If there is already data about that artist in your store or file, the program will ask you to merge it.

You can now use the imported data in further applications that use the MBO-format.