Fedcat 2.0 is based on a microservice architecture.

This application is composed of

- 1 UI
- 4 apis Fedcat-core, Fedcat-ws, Fedcat-integration, Fedcat-api
- 1 service : Sidecar-api
- 2 databases : Mysql, MongoDB

Each component of the application is described below:

• Fedcat-ui:

o gular front office application, portal for administrators and end-users

Fedcat-core

- Api contains the data model catalog
- Api contains the update and data recovery services for catalog
- System Core API exposes services for other APIs

• Fedcat-integration

- o Integration api project contains import workers that run batch by spring-batch,
- Use the Mysql database to save the batch execution history
- Call fedcat-core project for data update

Fedcat-ws

- o API contains the services used by the front office Fedcat-ui
- o Allows user management and authentication
- Manages the GUI settings
- Use a mysgl database for the user management and GUI setting
- Use the fedcat-core project for updating and retrieving data
- Use the fedcat-integration project to retrieve batch execution history

• Fedcat-api

- API contains the services used by the partners
- Convert GU objects to TMF objects
- o Accessing (read) data using fedcat-core services

SideCar-api

TO COMPLETE

MongoDB:

o Data base no sql used by fedcat-core

Redis:

o In-memory data structure store, used by the others application

MySQL:

o Data base SQI used by fedcat-ws and fedcat-integration