Project description Nexer R&D CI Visualization part 2

Summary

The whole project is made to visualize data from a message bus using the Eiffel 2 protocol. Your part in it is to create 2 help services:

- One service that listens to a RabbitMQ event bus, validates the data in accordance to the Eiffel 2 protocol and sends it to the database service for storage into a database
- One service that will hot-reload config files from one or more git repositories and store it into a database

Requirements:

All code needs to be modular to be reused in other services.

All code needs to be fully tested with Unit tests and System tests.

All services will need to be containerized and scalable.

All services will need some kind of authentication.

All services should be configured through config that can be hot-reloaded from the database

Other details:

Nikolai will provide a design and description for the services.

You get to choose the programming languages you think fits the best.

You also get to choose the database you want to use, however, it should be pretty easy to switch database solution if necessary. (remember modular code)

Nexer assistance:

Supervisor/Product Owner: Nikolai Dahlberg (Nikolai.dahlberg@nexergroup.com)

Our idea is that you will work in an agile methodology (like scrum and kanban) with Nikolai as your Product Owner.

The plan is to let you sit in the Nexer office to do you work, some days there might be a lack of space though, so we must be a bit flexible.

Nexer will also provide a database for you to use when you have chosen one.