

DBaaS POC Challenge

On this challenge you're asked to develop a mini Database as a Service ([DBaaS](#)) offer based on containers.

General requirements

The Corporation X is planning to start an Open Source project that offers a Database as a Service implementation in containers. This platform is a self-service provisioning and deprovisioning of database services using Go as programming language.

Database offerings

MySQL/MariaDB

Deployment model

Docker containers.

Remote service access.

Required Features

1. Create a database
2. List databases
3. Delete a database

Continuous Delivery

Automation is key on this project, you're required to define part of a Continuous Delivery strategy. In this case you need to set the CI and CD steps. Below the instructions.

For code store and versioning use [github](#) and add @obedmr and @jascott1 as contributors to your project.

Continuous Integration (CI)

Since your code will be hosted in a git-based repository (as [github](#) or [gitlab](#)), all code submissions need to be validated before merging into the master branch. Static Analysis, Unit test and some functional testing could be executed there. You're free to use any CI tools as [Travis](#), [Gitlab Pipelines](#), [Semaphore](#), etc.

Continuous Deployment (CD)

Once code is validated by the CI automation and also there's a person (reviewer) that approves the code to be merged. You need to implement a Continuous Deployment strategy that will automatically update and deploy your application in your containers backend infrastructure. Your backend infrastructure can be either local with docker or an external Cloud Service Provider as [Azure](#), [Google](#) or [AWS](#).

You have the freedom to implement your solution based on these general requirements, there's no limits!

Happy Coding