

Coding Task

You should ideally spend maximum 1.5h-2h on this task. If it takes more time (most likely it will if you have never used Consul/Feign before) please stop where you are and either:

- put it in a **private** repository in github or bitbucket (we will share the user to give access to your repos) - exposing code in public repository will result in immediate rejection of the candidate
- compress the project excluding any compiled files *bin/*, *build/*, *target/*, etc and send it to us

1. Create two spring boot/cloud micro-services based on gradle.

- {your-first-name}.{your-last-name}.external
- {your-first-name}.{your-last-name}.internal

2. Package names should be created using this format:

- com.oodlefinance.{your-first-name}.{your-last-name}.external
- com.oodlefinance.{your-first-name}.{your-last-name}.internal

3. Both micro-services register themselves in Consul (Hashicorp)

4. External micro-service is exposing ReST endpoints:

- GET /message
 - returns all messages
- POST /message
 - adds a message body: {"message":"some text"}
 - returns id created for this new message {"id":1}
- GET /message/{id}
 - returns specific message by id: {"message":"some text", "id": 1}
- DELETE /message/{id}
 - confirms deletion

5. External micro-service is calling the internal one using Feign with service discovery provided by Consul.

6. Internal micro-service persists messages in a simplest way that makes sense.

7. The internal one is implementing same endpoints as external.