

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)
- compress the project not including any compiled files /bin, /target, etc and send it to us

1. Create two spring boot/cloud micro-services based on gradle.
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"}
and 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 possible way (HashMap is fine).
7. The internal one is implementing same endpoints as external.