Oracle MOOC: Node JS Microservices for Oracle Cloud

Session 3

Week 3 Homework

You will learn:

- Create application bundles.
- Deploy applications to Oracle Application Container Cloud Service.

You will need:

- Download and setup your Oracle pre-built Developer VM
- Complete previous homework.
- An Oracle Cloud account with:
  - Developer Cloud Service
  - Database Cloud Service
  - Application Container Cloud service.

Note:

- The homework is NOT mandatory
- You may download a solution to the previous homework from the course materials although I encourage you to try it on your own.

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Assignment 3-1: Bundle and deploy

The application is fully functional, your responsibility is to bundle and deploy the application to Oracle Application Container Cloud Service connected to Oracle Database Cloud Service and then automate the build and deployment process using Developer Cloud Service.

Separate into layers and implement all routes

1. Start by making sure your application has all the requirements for Application Container Cloud Service, this includes creating the manifest.json file.

2. Bundle the application in a single zip with all the dependencies except oracledb Also add grunt to the application to automate the process.

3. Do a manual deployment to Application Container Cloud Service to verify everything works.

4. Create the database in Oracle Database Cloud Service.

5. Connect Application Container with Database Cloud Service.

6. Upload your code to Developer Cloud Service

7. Automate deployment inside Developer Cloud Service

Congratulations, you have successfully completed homework for Week 3 of NodeJS Microservices!