

Assignment: Deploying microservices using Helm charts

In this assignment you will deploy the Catalog, Inventory and Trading microservices using helm charts.

Deploy the microservices via helm charts

In the Catalog, Inventory and Trading repositories:

1. Create a helm directory
2. In the new directory, create a values.yaml file
3. From your existing kubernetes yaml file, extract all the values that are specific to the microservice into your new values.yaml file, including:
 - Microservice name
 - Image repository and tag
 - Environment variables
 - Container port
4. Delete the existing microservice deployment and service from the Kubernetes cluster
5. Install the microservice using the microservice helm chart published in your ACR
 - Make sure you use a release name that matches your microservice name
 - Also, use the correct microservice namespace
6. Verify the new pod reaches the RUNNING state
7. Remove the old kubernetes directory. You will no longer need it.
8. Don't forget to update your README.md file with the commands you used to install the helm chart.
 - You may also want to remove any commands that referenced the old kubernetes directory
9. Commit and push your changes