# Cloud Lab 6

Installing Knative Functions

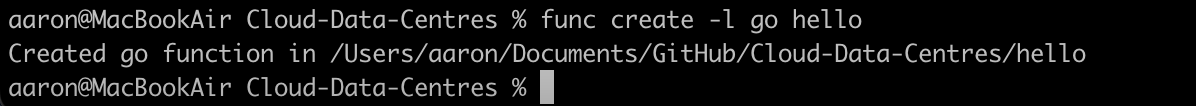
My first step was to install func and the Knative plugins

A screenshot of a computer program

Description automatically generated

Creating A Function

I created a function through the CLI using this command



Here I am running it on my machine using my docker account.

A black screen with white text

Description automatically generated

Here I am invoking the function and you can see the response hello world

A screenshot of a computer program

Description automatically generated

Then I built the function using my docker account

A screen shot of a computer

Description automatically generated

Deploying a Knative Service:

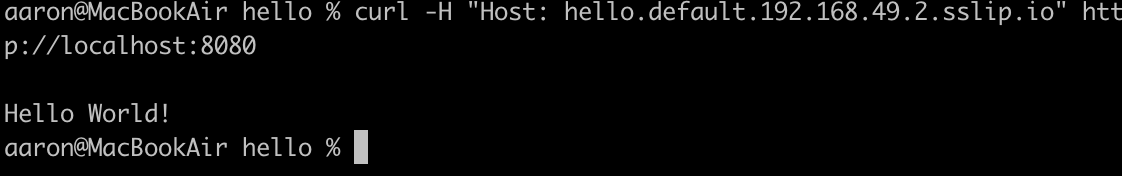
Here I am creating the service and deploying it to port 8080

A computer screen with white text

Description automatically generated

AutoScaling:

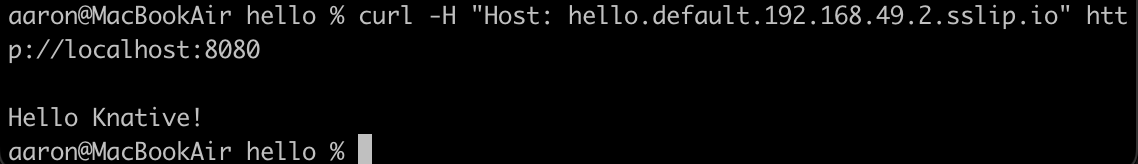
Here is the service responding



Here we can see the pods scaling to 0 when they get no traffic



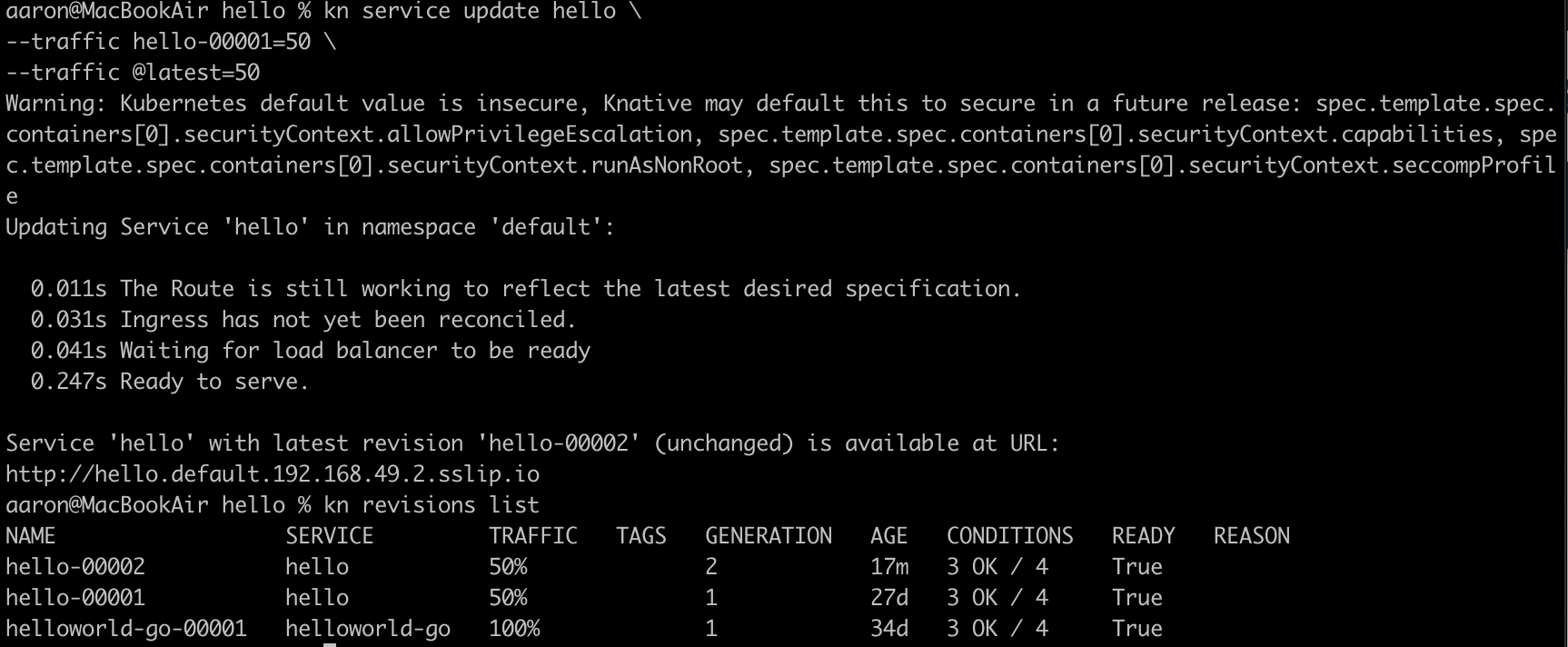
Here we can see the changed service running



Here are the existing revisions:



Here we can see the traffic split between the two revisions



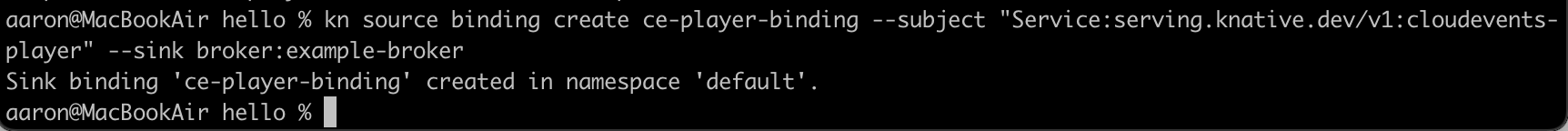
Using Knative service as a source:

Here I am creating the service

A screenshot of a computer program

Description automatically generated

Then I created a sinkBinding



This is the cloud events player

A screenshot of a computer

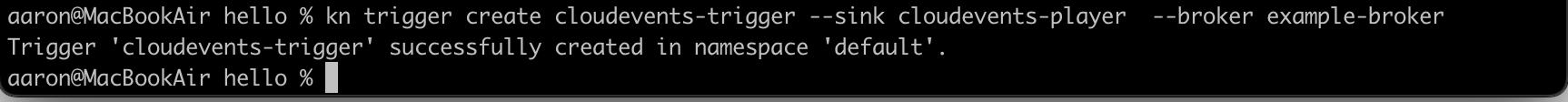
Description automatically generated

This is me sending a test event

A screenshot of a computer

Description automatically generated

Here I am creating a trigger



Here we can see the trigger being created and seen on the cloud events player.

A screenshot of a computer

Description automatically generated