**Assignment 5**

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Duration: Self-paced, typically 3 hours

Link: https://kubernetes.io/docs/tutorials/stateless-application/hello-minikube/

Instructions:

1. Set up a local Kubernetes cluster using Minikube.

1. In the website's Tutorial tab, go through the 'Hello Minikube'

2. In the Tutorial tab's 'Learn Kubernetes Basics' go through the

A. 'Create a Cluster'

B. 'Deploy an App'

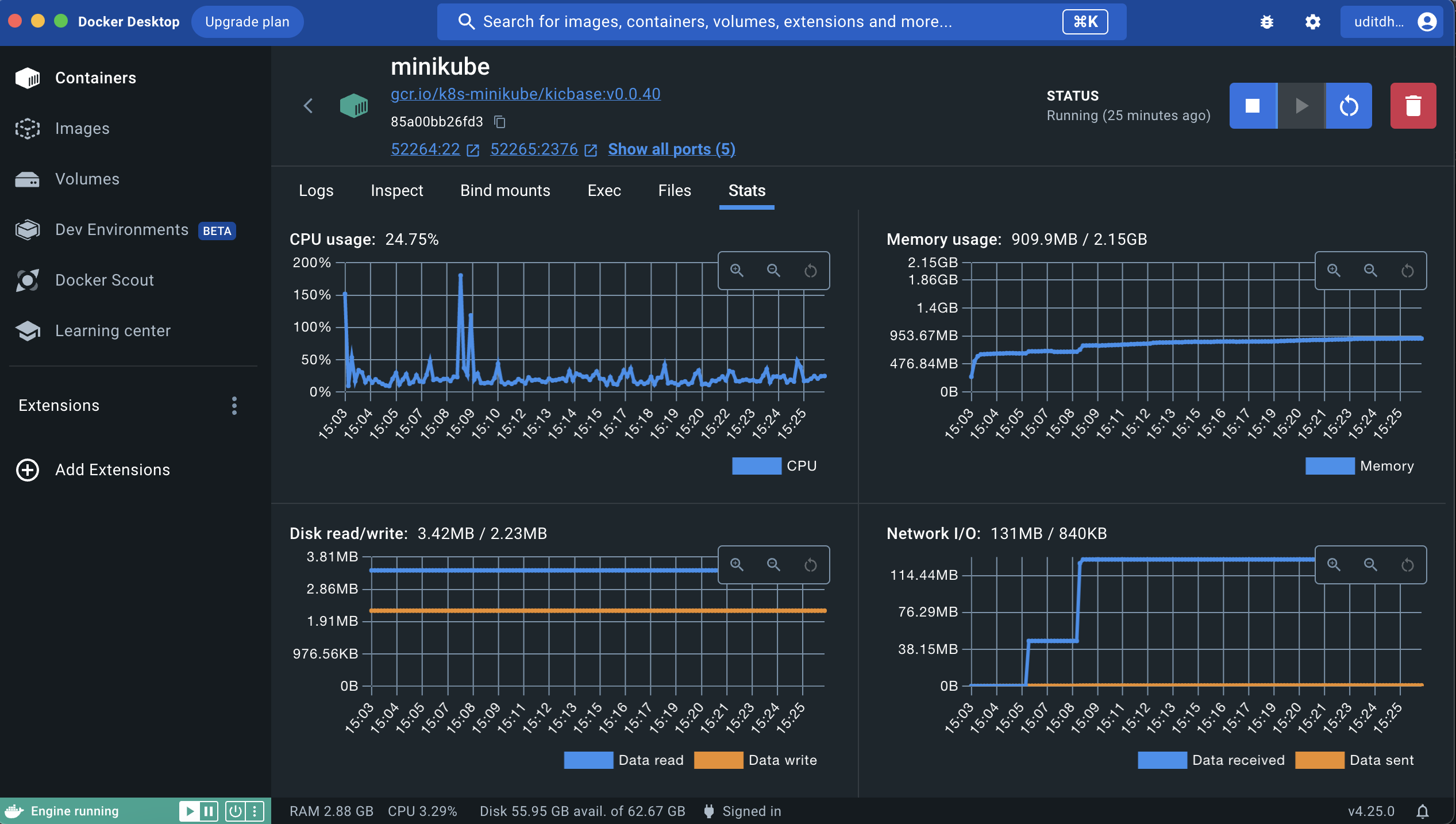
C. 'Explore your app'

D. 'Expose your App'

E. 'Scale your App'

2. Obtain screenshots showing that each step above is done, paste into a file and upload the file.

**Step 1 - local Kubernetes cluster using Minikube**

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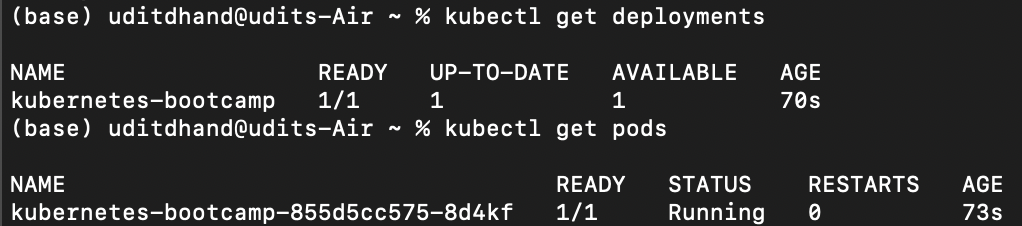
**Tutorial Step 1 – Create a cluster**

A screenshot of a computer program

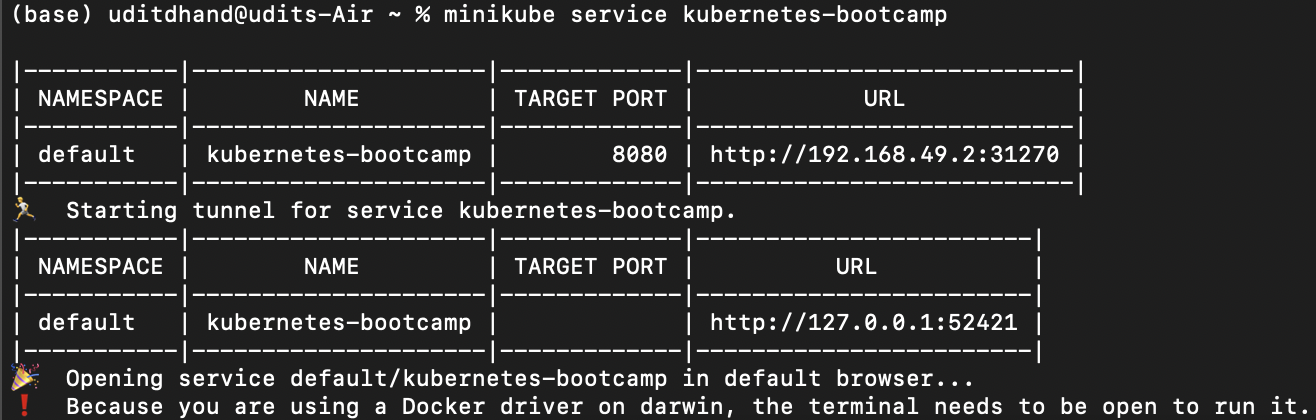
Description automatically generated

**Tutorial Step 2 – Deploy an App**

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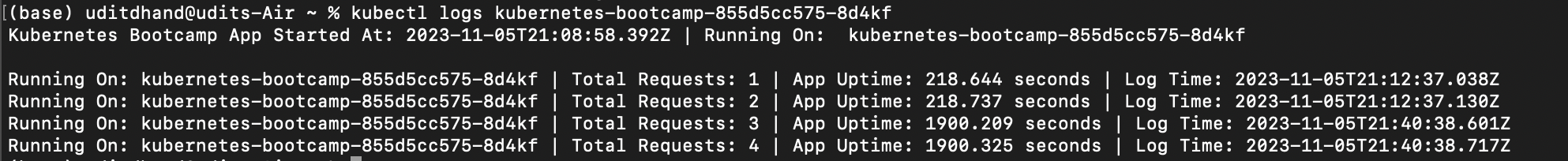


**Tutorial Step 3– Explore the App**

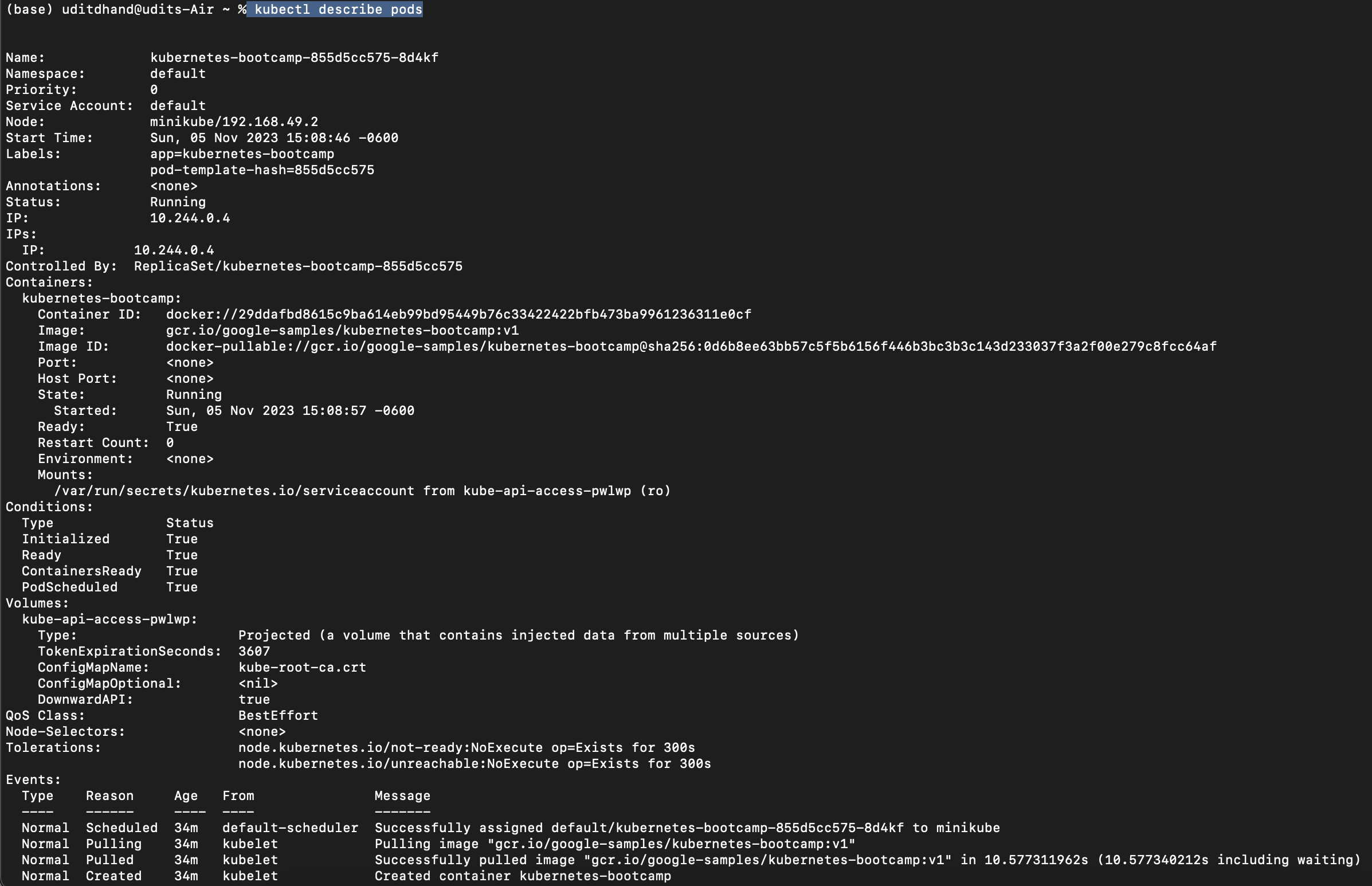
****

**A black screen with white text

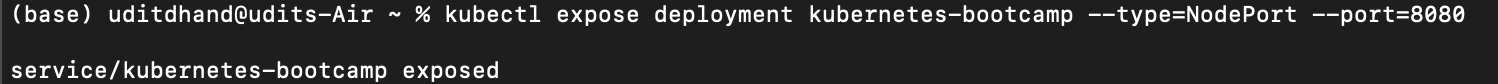
Description automatically generated**

**Logs:**

**Pod description:**

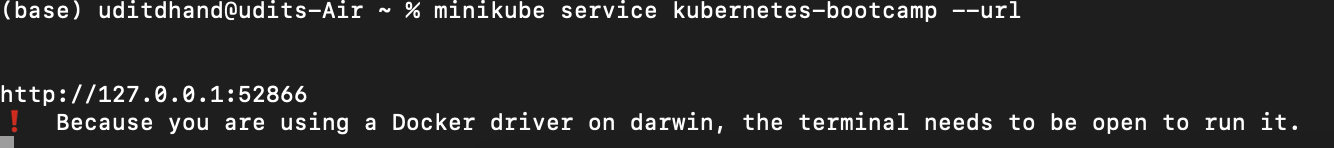
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**Tutorial Step 4– Expose an App**



A black screen with white text

Description automatically generated





**Tutorial Step 5 – Scale an App**

A screen shot of a computer

Description automatically generated

**Each curl request is hitting different pod, meaning load balancer is working.**

A screen shot of a computer

Description automatically generated