Lab 5 (Istio Setup)

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[**Download Istio**](#_yyjqyci06hl) 2

[**Open the Application to outside traffic**](#_ng0lcr7vbi2w) 3

[**Determine the ingress IP and ports**](#_dszvh5lr120s) 3

[**Verify external Access**](#_calo56nl2bw7) 4

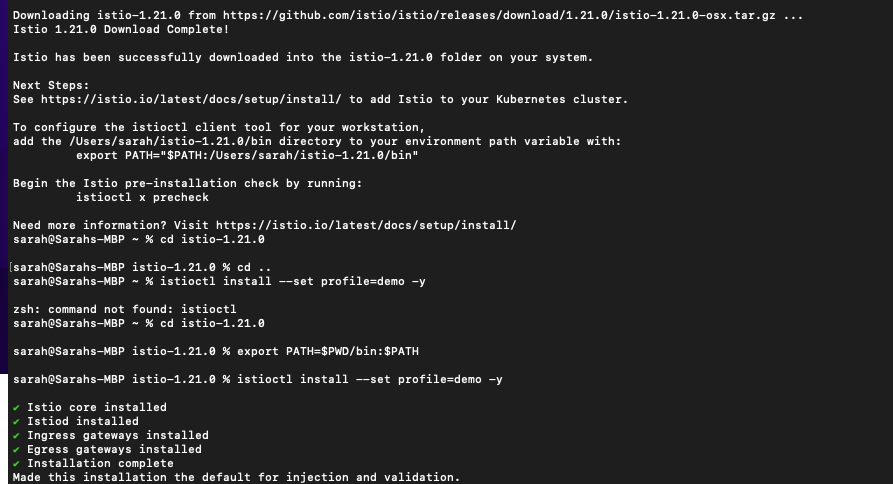
[**View the dashboard**](#_untuqth15j7k) 5

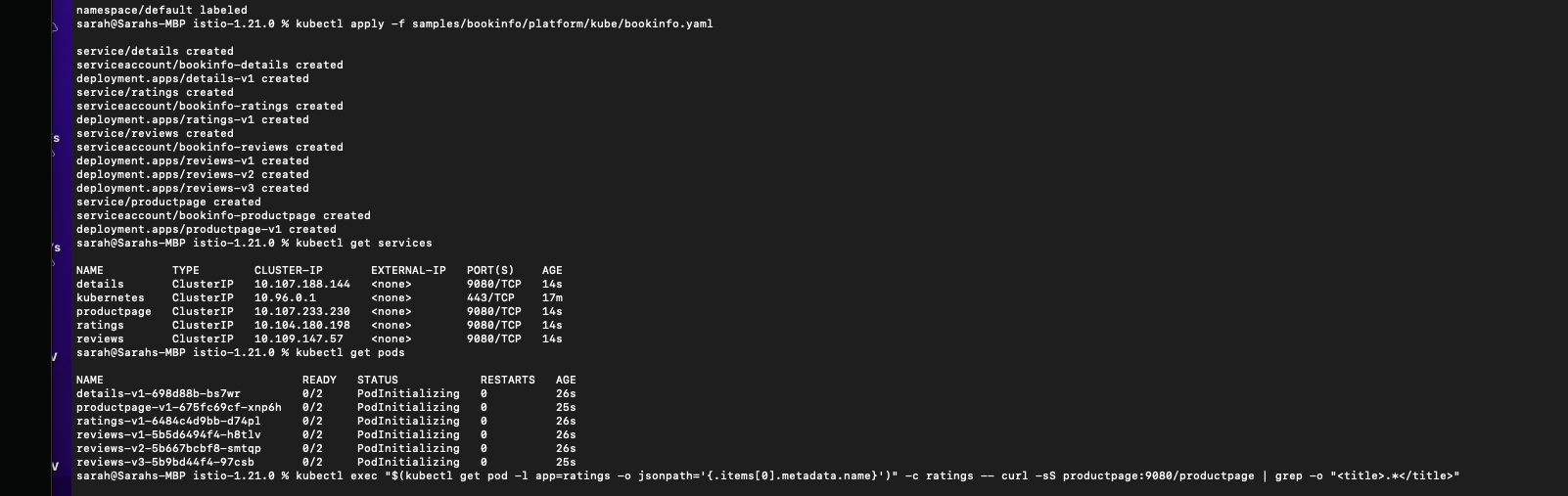
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# Download Istio

I began with installing the Istio release and added the istioctl client to my path (MacOs).

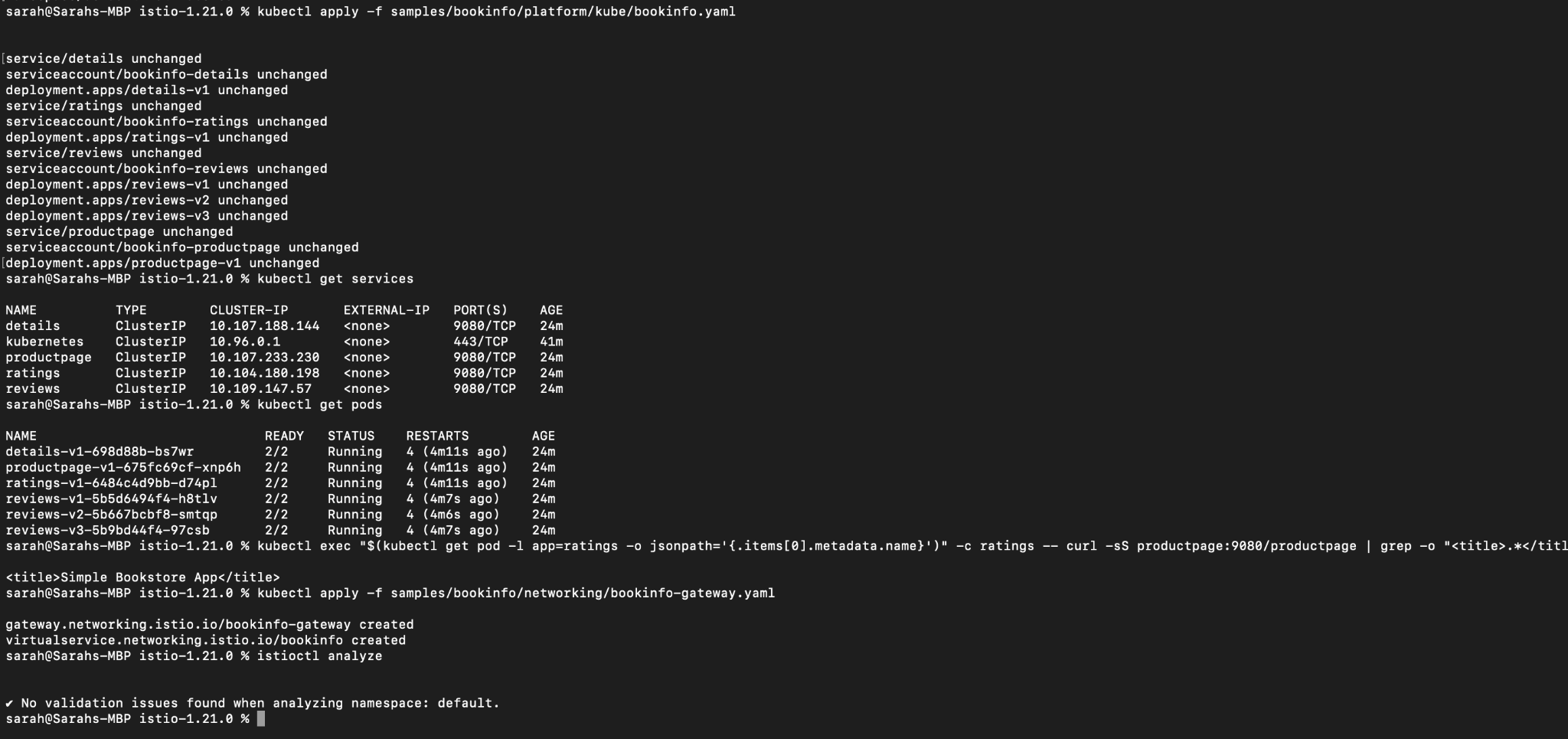
I then installed the demo configuration profile.



I added a namespace label to Istio. 

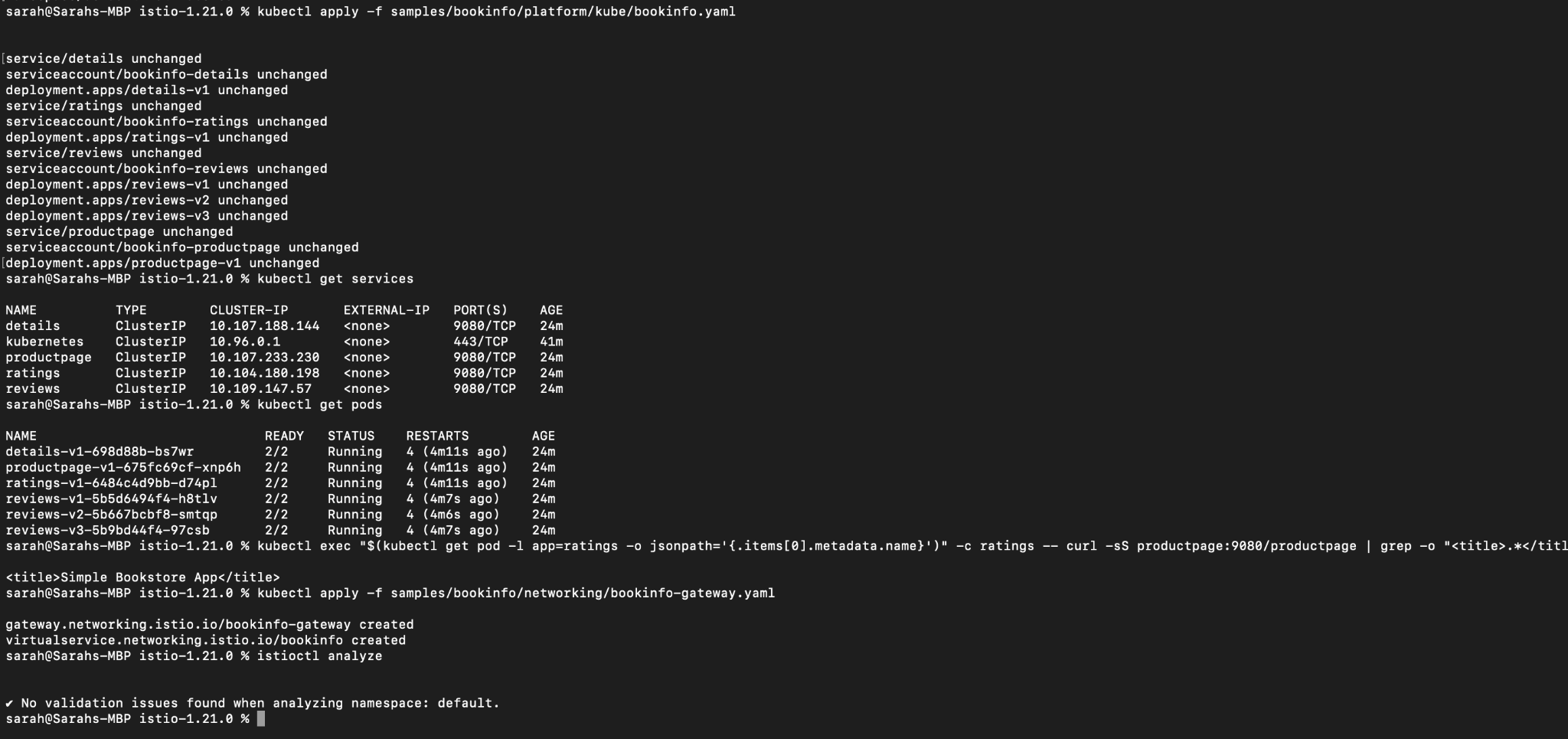
Deploy the sample application

I then deployed the Bookinfo sample application. I did a get services command and a get pods command. I then verified that everything was working correctly by running the Kubectl exec command.



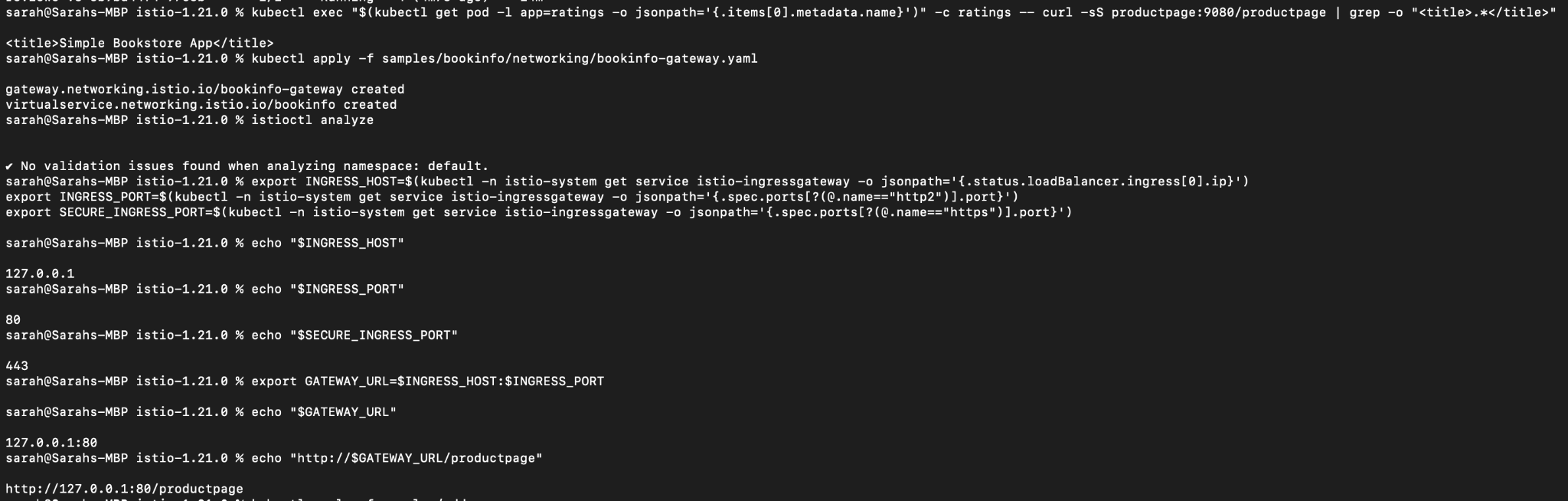
# Open the Application to outside traffic

I associated the application with the Istio gateway. I then did the “istioctl analyze” command to make sure there was no configuration issues.



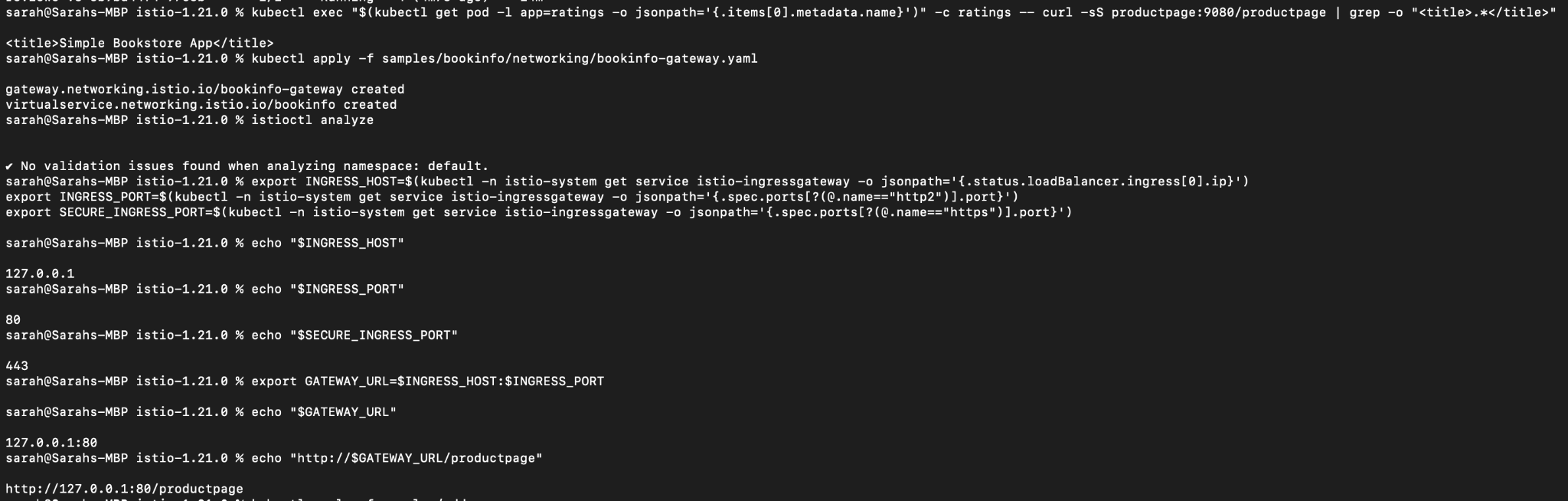
# Determine the ingress IP and ports

I opened up a new terminal and ran the “minikube tunnel” command so it sends traffic to the Istio Ingress Gateway. I then set the ingress host and ports and then ensured that they were successfully assigned to each environment variable. I also set the Gateway\_URL.



# Verify external Access

I ran the following command to get the external address of the Bookinfo application and pasted the url into my web browser.

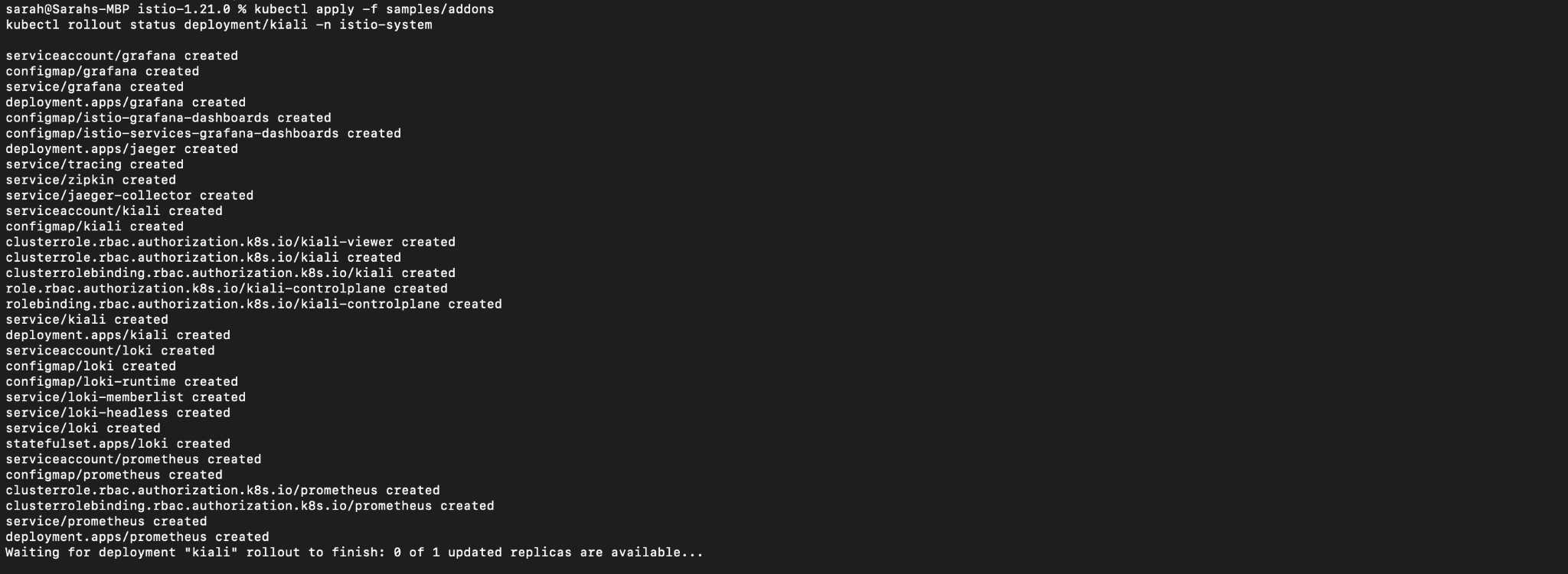


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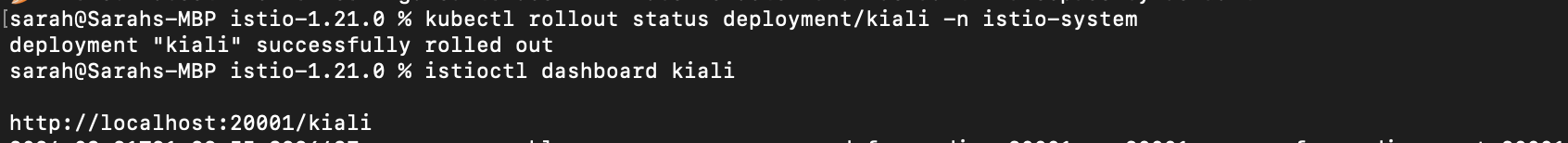
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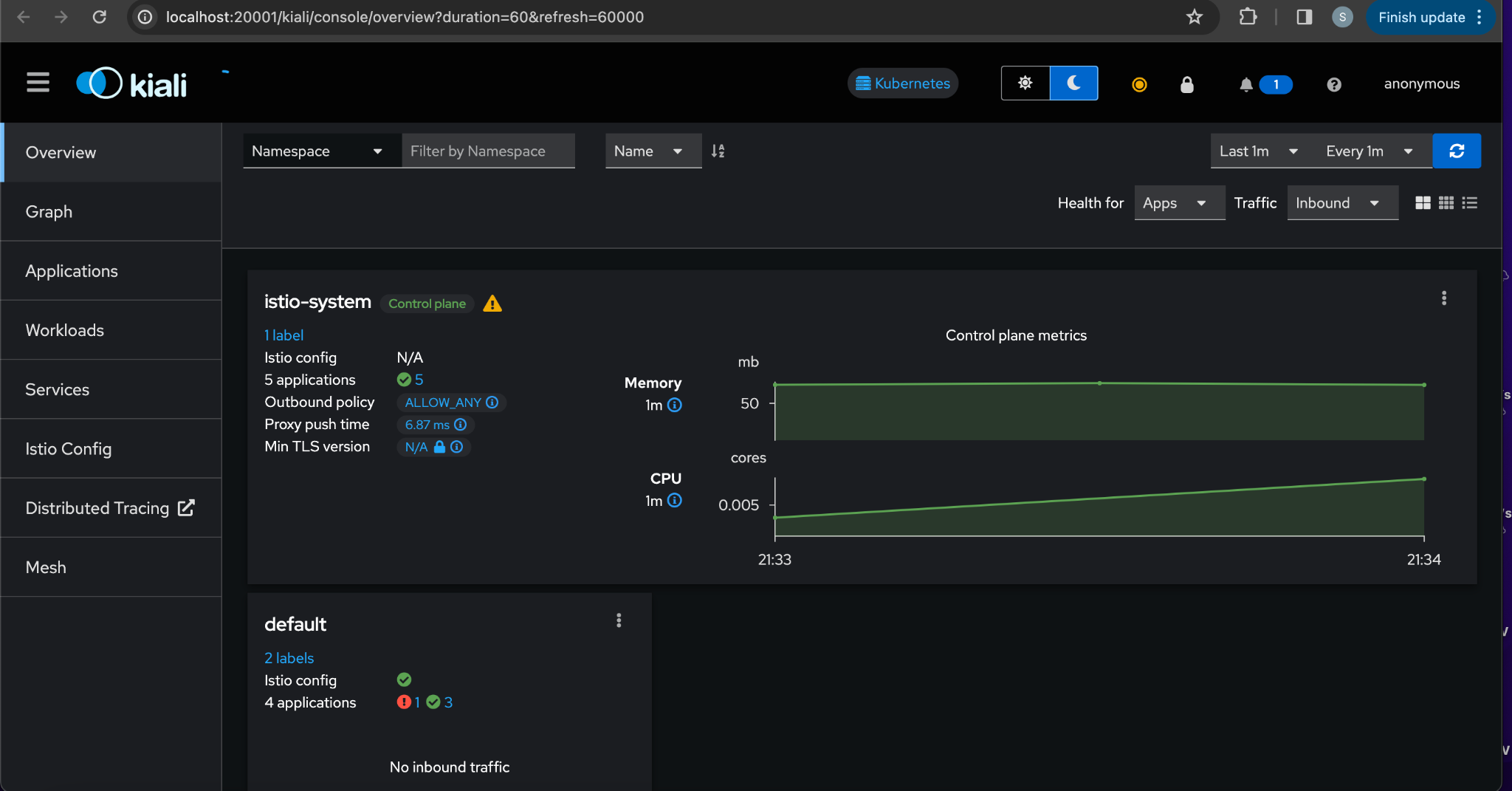
# View the dashboard

I installed the Kiall and other addons and waited for them to be deployed.



I then accessed the dashboard to view it.





I ran this command to view the graph.

