

Student: Toluwalase Ibiwoye Supervisor: Lei Shi Submission Date: 20/05/2024

Lab 5

Download and install istio

Ran the following command to install Istio using the demo profile

Labeled the default namespace to enable automatic Envoy sidecar injection

Deploy the sample application

```
| 1,926 productpage-nodeport.yaml | 1,926 productpage | 1,926 produc
```

Deployed the Bookinfo sample application

Checked the services and pods to ensure they are running

Associated the application with the Istio Ingress Gateway

Checking and resolving configuration issues

```
C.\istio-1.22.@\samples\bookinfo\preturbing\subsect1 apply -f C:\istio-1.22.@\samples\bookinfo\platform\kube\bookinfo.ymml
services/details unchanged
services/details unchanged
services/details unchanged
services/details unchanged
services/details unchanged
services/details-vi unchanged
services/details-vi unchanged
deployment.apps/retings vi unchanged
deployment.apps/retings-vi unchanged
deployment.apps/retings-vi unchanged
deployment.apps/revines-vi unchanged
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```

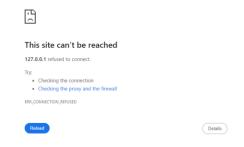
Reapplied the Bookinfo Application Applied Gateway Configuration and Destination Rule

Verified pods

Open the sample application

```
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```

View the dashboard



I tried all the steps but the configuration on my laptop is not letting me access the page but I followed all the steps leading up to this.

Summary

Minikube Cluster Setup

Successfully deleted the existing Minikube cluster.

Recreated the Minikube cluster using the Docker driver.

Istio Installation:

Reinstalled Istio using the demo profile.

Verified that Istio components are running in the istio-system namespace.

Bookinfo Application Deployment:

Deployed the Bookinfo sample application in the default namespace.

Applied the Bookinfo gateway configuration.

Applied the necessary destination rules for the Bookinfo application.

Ingress Gateway Configuration:

Verified the Istio Ingress Gateway service is available in the istio-system namespace.

Set up Minikube tunnel to expose the Istio Ingress Gateway service.

Access to Bookinfo Application:

Retrieved the Ingress Host and Port for accessing the Istio Ingress Gateway.

Generated Traffic for Metrics:

Sent multiple requests to the Bookinfo application to generate traffic for metrics collection.