install ISTIO

## Step 1:

Download ISTIO using this command “curl -L https://istio.io/downloadIstio | sh -“

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## Step 2:

Navigate to ISTIO, and export the ISTIO client path:

“export PATH=$PWD/bin:$PATH”

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## Step 3:

Instal the demo profule which will run ISTIO

“istioctl install --set profile=demo -y”

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## Step 4:

Enject the envoy proxies into pods using this command:

“kubectl label namespace default istio-injection=enabled”

## Step 5:

Deploy the sample application provided by ISTIO:

“kubectl apply -f samples/bookinfo/platform/kube/bookinfo.yaml”

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## Step 6:

Deploy your gateway:

“kubectl apply -f samples/bookinfo/networking/bookinfo-gateway.yaml”

## Step 6:

Run the three following commands, which will set the ingress IP and port.

“export INGRESS\_HOST=$(kubectl -n istio-system get service istio-ingressgateway -o jsonpath='{.status.loadBalancer.ingress[0].ip}')”

“export INGRESS\_PORT=$(kubectl -n istio-system get service istio-ingressgateway -o jsonpath='{.spec.ports[?(@.name=="http2")].port}')”

“export SECURE\_INGRESS\_PORT=$(kubectl -n istio-system get service istio-ingressgateway -o jsonpath='{.spec.ports[?(@.name=="https")].port}')”

Then export the path if the gateway and test it:

“export GATEWAY\_URL=$INGRESS\_HOST:$INGRESS\_PORT”

Then:

“echo "$GATEWAY\_URL"

The output should be like this:



## Step 7:

Test connectivity by appending the first application path “http://Your IP/productpage”

The page will get displayed if everything is working correctly!

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## Step 8:

Install Kiali using this command “kubectl apply -f samples/addons”

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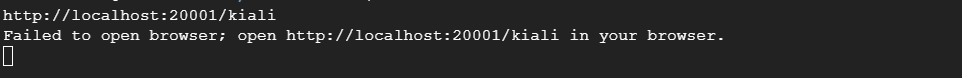
## Step 9:

Run the following command for Kiali “kubectl rollout status deployment/kiali -n istio-system”

## Step 10:

Access Kiali “istioctl dashboard kiali”

Click on the link displayed:



And done!

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