

Lab 4

Install :

```
Ruslan@DESKTOP-V6IH24R MINGW64 /c/devtools/istio-1.25.1
$ istioctl install -f samples/bookinfo/demo-profile-no-gateways.yaml -y

This installation will make default injection and validation pointing to the default revision, and originally it was pointing to the revised one
✓ Istio core installed
✓ Istiod installed
✓ Installation complete

Ruslan@DESKTOP-V6IH24R MINGW64 /c/devtools/istio-1.25.1
$ kubectl label namespace default istio-injection=enabled
namespace/default labeled

Ruslan@DESKTOP-V6IH24R MINGW64 /c/devtools/istio-1.25.1
$ kubectl get crd gateways.gateway.networking.k8s.io && /dev/null || { kubectl kustomize "github.com/kubernetes-sigs/gateway-api/config/crd?ref=v1.2.1" | kubectl apply -f -; }
customresourcedefinition.apiextensions.k8s.io/gateways.gateway.networking.k8s.io created
customresourcedefinition.apiextensions.k8s.io/grpcroutes.gateway.networking.k8s.io created
customresourcedefinition.apiextensions.k8s.io/httproutes.gateway.networking.k8s.io created
customresourcedefinition.apiextensions.k8s.io/referencegrants.gateway.networking.k8s.io created

Ruslan@DESKTOP-V6IH24R MINGW64 /c/devtools/istio-1.25.1
$ kubectl apply -f samples/bookinfo/platform/kube/bookinfo.yaml
service/details created
serviceaccount/bookinfo-details created
deployment.apps/details-v1 created
service/ratings created
serviceaccount/bookinfo-ratings created
deployment.apps/ratings-v1 created
service/reviews created
serviceaccount/bookinfo-reviews created
deployment.apps/reviews-v1 created
deployment.apps/reviews-v2 created
deployment.apps/reviews-v3 created
service/productpage created
serviceaccount/bookinfo-productpage created
deployment.apps/productpage-v1 created
```

Verify :

```
C:\Users\rusla>kubectl get services
NAME          TYPE        CLUSTER-IP      EXTERNAL-IP  PORT(S)          AGE
details       ClusterIP   10.109.95.71    <none>       9080/TCP         77s
kubernetes    ClusterIP   10.96.0.1       <none>       443/TCP          3m22s
productpage    ClusterIP   10.109.160.157  <none>       9080/TCP         76s
ratings       ClusterIP   10.104.221.201  <none>       9080/TCP         77s
reviews       ClusterIP   10.109.64.150   <none>       9080/TCP         77s

C:\Users\rusla>kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
details-v1-54ffdd5947-5kljn         0/2     PodInitializing    0          102s
productpage-v1-d49bb79b4-j76pb      0/2     PodInitializing    0          101s
ratings-v1-856f65bcff-cmk8x        0/2     PodInitializing    0          102s
reviews-v1-848b8749df-4tpxc         0/2     PodInitializing    0          101s
reviews-v2-5fdf9886c7-9ggds        2/2     Running            0          101s
reviews-v3-bb6b8ddc7-v9bhs         0/2     PodInitializing    0          101s

C:\Users\rusla>
```

Opening gateway

```
Ruslan@DESKTOP-V6IH24R MINGW64 /c/devtools/istio-1.25.1
$ kubectl apply -f samples/bookinfo/gateway-api/bookinfo-gateway.yaml
gateway.gateway.networking.k8s.io/bookinfo-gateway created
httproute.gateway.networking.k8s.io/bookinfo created

Ruslan@DESKTOP-V6IH24R MINGW64 /c/devtools/istio-1.25.1
$ kubectl annotate gateway bookinfo-gateway networking.istio.io/service-type=ClusterIP --namespace=default
gateway.gateway.networking.k8s.io/bookinfo-gateway annotated

Ruslan@DESKTOP-V6IH24R MINGW64 /c/devtools/istio-1.25.1
$ kubectl get gateway
NAME                CLASS    ADDRESS                                     PROGRAMMED    AGE
bookinfo-gateway    istio    bookinfo-gateway-istio.default.svc.cluster.local    True          21s
```

Page deployed 👍

localhost:8080/productpage

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The Comedy of Errors

Wikipedia Summary: The Comedy of Errors is one of **William Shakespeare's** early plays. It is his shortest and one of his most farcical comedies, with a major part of the humour coming from slapstick and mistaken identity, in addition to puns and word play.

[Learn more about Istio →](#)


Book Details

ISBN-10	Publisher	Pages	Type	Language
1234567890	PublisherA	200	paperback	English

Book Reviews


★★★★★

"An extremely entertaining play by Shakespeare. The slapstick humour is refreshing!"

Reviewer1
Reviews served by: reviews-v3-bb6b8ddc7-v9bhs

★★★★☆

"Absolutely fun and entertaining. The play lacks thematic depth when compared to other plays by Shakespeare."

Reviewer2
Reviews served by: reviews-v3-bb6b8ddc7-v9bhs

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