


Install Istio using the demo profile, without any gateways:

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> $env:PATH += ";D:\istio\istio-1.27.2-win\istio-1.27.2\bin"
PS D:\istio\istio-1.27.2-win\istio-1.27.2> istioctl install -f samples/bookinfo/demo-profile-no-gateways.yaml -y
```



```
✓ Istio core installed 🚧
✓ Istiod installed 🟡
✓ Installation complete
PS D:\istio\istio-1.27.2-win\istio-1.27.2>
```

Add a namespace label to instruct Istio to automatically inject Envoy sidecar proxies when you deploy your application later:

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> kubectl label namespace default istio-injection=enabled
namespace/default labeled
```

Deploy the Bookinfo sample application:

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> 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
```

See each pod becomes ready, the Istio sidecar will be deployed along with it

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> kubectl get services
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
details	ClusterIP	10.110.101.60	<none>	9080/TCP	4m5s
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	15d
productpage	ClusterIP	10.99.90.118	<none>	9080/TCP	4m4s
ratings	ClusterIP	10.103.138.130	<none>	9080/TCP	4m5s
reviews	ClusterIP	10.106.150.193	<none>	9080/TCP	4m5s

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
details-v1-77d6bd5675-627jl	2/2	Running	0	6m36s
productpage-v1-bb87ff47b-fqh22	2/2	Running	0	6m34s
ratings-v1-8589f64b4c-t74hx	2/2	Running	0	6m36s
reviews-v1-8cf7b9cc5-88dwk	2/2	Running	0	6m35s
reviews-v2-67d565655f-lt4r7	2/2	Running	0	6m35s
reviews-v3-d587fc9d7-ksbp4	2/2	Running	0	6m35s

Create a Kubernetes Gateway for the Bookinfo application:

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> 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
```

Change the service type to ClusterIP by annotating the gateway:

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> kubectl annotate gateway bookinfo-gateway networking.istio.io/service-type=ClusterIP --namespace=default
gateway.gateway.networking.k8s.io/bookinfo-gateway annotated
```

Check the status of the gateway

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> kubectl get gateway
NAME          CLASS  ADDRESS                                     PROGRAMMED  AGE
bookinfo-gateway  istio  bookinfo-gateway-istio.default.svc.cluster.local  True        25m
```

connect to the Bookinfo productpage service through the gateway just provisioned

```
PS D:\istio\istio-1.27.2-win\istio-1.27.2> kubectl port-forward svc/bookinfo-gateway-istio 8080:80
Forwarding from 127.0.0.1:8080 -> 80
Forwarding from [::1]:8080 -> 80
```

BookInfo Sample

**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](#)

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-v1-8cf7b9cc5-88duk

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

Reviewer2  
Reviews served by: reviews-v1-8cf7b9cc5-88duk

View the dashboard

Install Kiali and the other addons and wait for them to be deployed.

```

PS D:\istio> kubectl apply -f samples/addons
serviceaccount/grafana unchanged
configmap/grafana unchanged
service/grafana unchanged
deployment.apps/grafana configured
configmap/istio-grafana-dashboards configured
configmap/istio-services-grafana-dashboards configured
deployment.apps/jaeger unchanged
service/tracing unchanged
service/zipkin unchanged
service/jaeger-collector unchanged
serviceaccount/kiali unchanged
configmap/kiali unchanged
clusterrole.rbac.authorization.k8s.io/kiali unchanged
clusterrolebinding.rbac.authorization.k8s.io/kiali unchanged
service/kiali unchanged
deployment.apps/kiali unchanged
serviceaccount/loki unchanged
configmap/loki unchanged
configmap/loki-runtime unchanged
clusterrole.rbac.authorization.k8s.io/loki-clusterrole unchanged
clusterrolebinding.rbac.authorization.k8s.io/loki-clusterrolebinding unchanged
service/loki-memberlist unchanged
service/loki-headless unchanged
service/loki unchanged
statefulset.apps/loki configured
serviceaccount/prometheus unchanged
configmap/prometheus unchanged
clusterrole.rbac.authorization.k8s.io/prometheus unchanged
clusterrolebinding.rbac.authorization.k8s.io/prometheus unchanged
service/prometheus unchanged
deployment.apps/prometheus configured
PS D:\istio> kubectl rollout status deployment/kiali -n istio-system
deployment "kiali" successfully rolled out

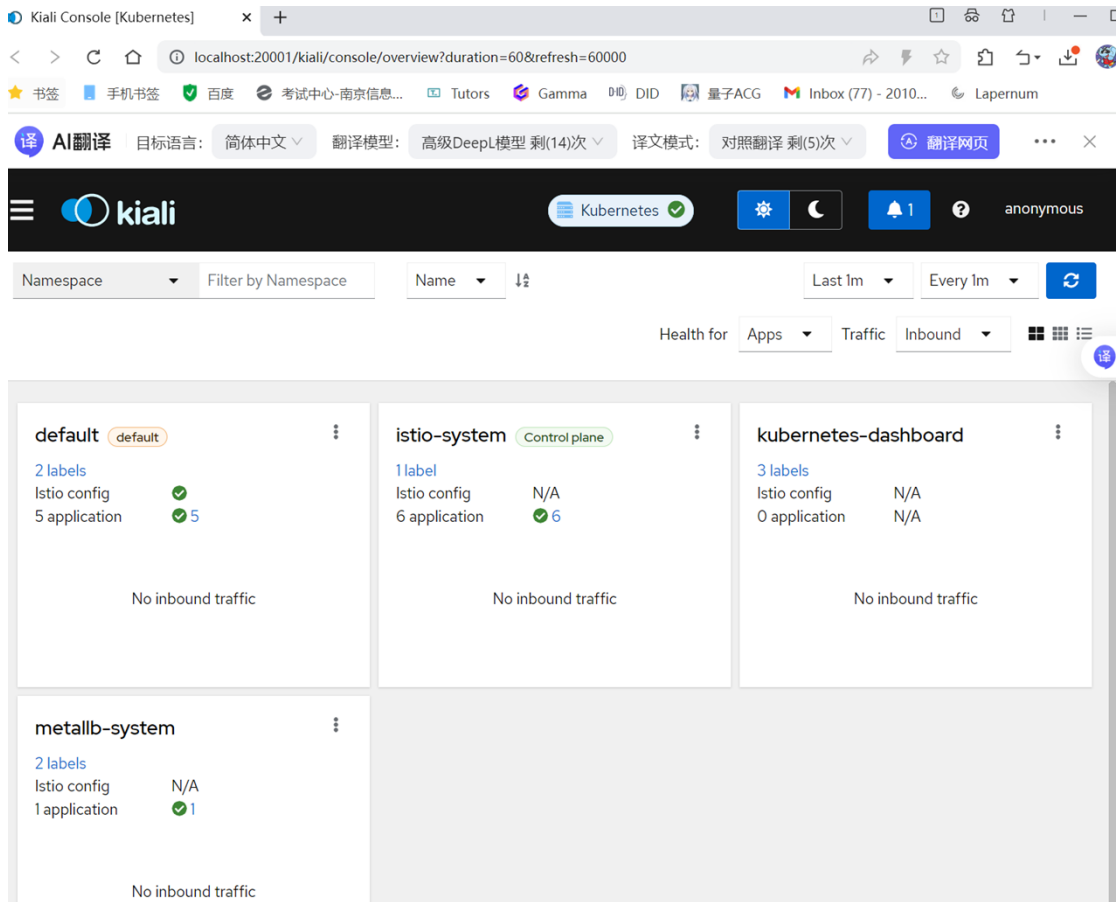
```

Access the Kiali dashboard

```

PS D:\istio\istio-1.27.2-win\istio-1.27.2> istioctl dashboard kiali
http://localhost:20001/kiali

```



In the left navigation menu, select *Graph* and in the *Namespace* drop down, select *default*.

