

1. download istio 1.27.1 from istio release

The screenshot shows the GitHub release page for Istio 1.27.1. The browser's address bar displays the URL `https://github.com/istio/istio/releases/tag/1.27.1`. The page header includes the Istio logo and navigation links for code, issues (445), pull requests (52), discussions, and actions. The main content area features the release title "Istio 1.27.1" with a "Latest" badge. Below the title, it states that the release was made by "istio-release-robot" on September 4, following 353 commits to master. The commit hash "1.27.1" and "4ac3599" are shown with a green checkmark. Links for "Artifacts" and "Release Notes" are provided. The "Assets" section is expanded, showing a list of download links for Linux AMD64 and ARM64 architectures, each with its size and the date "Sep 3".

发布 / 1.27.1

Istio 1.27.1 Latest

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istio-release-robot released this Sep 4 · 353 commits to master since this release

1.27.1 4ac3599

[Artifacts](#)
[Release Notes](#)

▼ **Assets** 36

istio-1.27.1-linux-amd64.tar.gz	27.2 MB	Sep 3
istio-1.27.1-linux-amd64.tar.gz.sha256	97 Bytes	Sep 3
istio-1.27.1-linux-arm64.tar.gz	24.7 MB	Sep 3
istio-1.27.1-linux-arm64.tar.gz.sha256	97 Bytes	Sep 3


在 istio-1.27.1 中搜索			
<div> <div> <div>📁</div> <div>📄</div> <div>🔍</div> <div>🔗</div> <div>🗑️</div> </div> <div> <div>↑↓ 排序</div> <div>☰ 查看</div> <div>⋮</div> </div> <div>🖼️ 预览</div> </div>			
名称	修改日期	类型	大小
bin	2025/9/30 14:26	文件夹	
manifests	2025/9/30 14:26	文件夹	
samples	2025/9/30 14:26	文件夹	
tools	2025/9/30 14:26	文件夹	
LICENSE	2025/9/3 21:41	.	12
manifest.yaml	2025/9/3 21:41	Yaml 源文件	1
README.md	2025/9/3 21:41	Markdown 源文件	7

2. start minikube first

```
diluo@Wzm: /mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ minikube start
minikube v1.37.0 on Ubuntu 24.04 (kvm/amd64)
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.48 ...
Restarting existing docker container for "minikube" ...
Preparing Kubernetes v1.34.0 on Docker 28.4.0 ...
Verifying Kubernetes components...
  ▪ Using image gcr.io/k8s-minikube/storage-provisioner:v5
Enabled addons: storage-provisioner, default-storageclass
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
```

3. install istio with minikube

```
diluo@Wzm: /mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ export PATH=$PWD/bin:$PATH
diluo@Wzm: /mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ istioctl install -f samples/bookinfo/demo-profile-no-gateways.yaml -y
```



```

✔ Istio core installed 🚢
✔ Istiod installed 🌸

```

4. install the Kubernetes Gateway API CRDs

```
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ 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
```

5. deploy the BookInfo sample application

```
PS D:\Istio\istio-1.27.1> 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
```

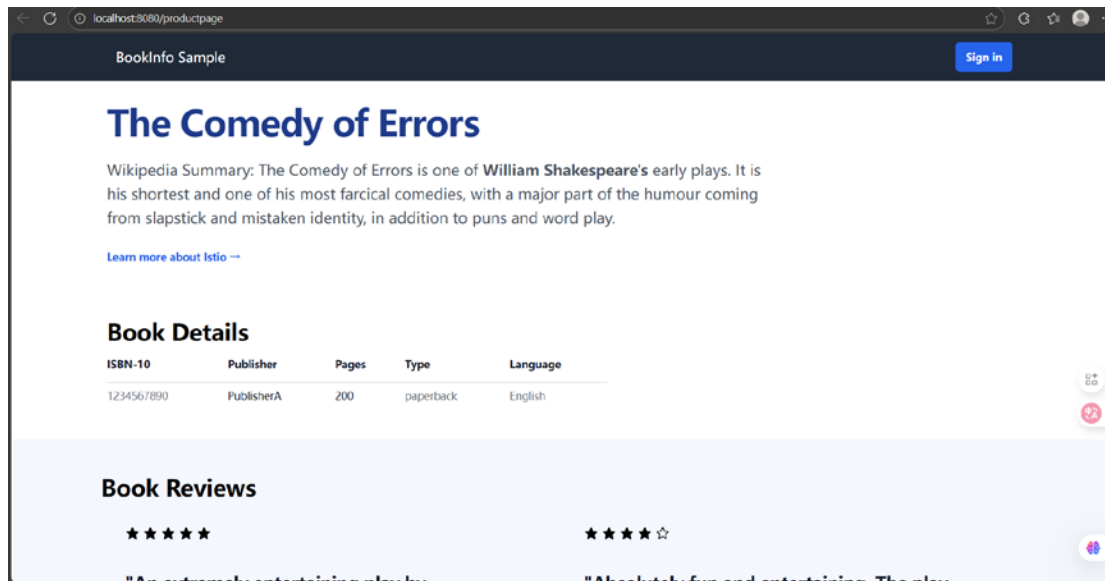
```
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ kubectl get services
NAME      TYPE        CLUSTER-IP    EXTERNAL-IP    PORT(S)    AGE
details   ClusterIP   10.98.47.188   <none>          9080/TCP    13s
kubernetes ClusterIP   10.96.0.1      <none>          443/TCP     7d7h
productpage ClusterIP   10.105.23.124 <none>          9080/TCP    13s
ratings   ClusterIP   10.101.193.137 <none>          9080/TCP    13s
reviews   ClusterIP   10.102.229.19  <none>          9080/TCP    13s
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
details-v1-77d6bd5675-9nzx7         2/2     Running   0           31s
productpage-v1-bb87ff47b-g92n2      2/2     Running   0           31s
ratings-v1-8589f64b4c-9hszr         2/2     Running   0           31s
reviews-v1-8cf7b9cc5-69kmh          2/2     Running   0           31s
reviews-v2-67d565655f-8pl7n        2/2     Running   0           31s
reviews-v3-d587fc9d7-gct9h          2/2     Running   0           31s
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ kubectl exec "$(kubectl get pod -l app=ratings -o jsonpath='{.items[0].metadata.name}')" -c ratings -- curl -sS productpage:9080/productpage | grep -o "<title>.*</title>"
<title>Simple Bookstore App</title>
```

6. open the application to outside traffic

```
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ 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
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ kubectl annotate gateway bookinfo-gateway networking.istio.io/service-type=ClusterIP --namespace=default
gateway.gateway.networking.k8s.io/bookinfo-gateway annotated
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ kubectl get gateway
NAME      CLASS      ADDRESS                                     PROGRAMMED   AGE
bookinfo-gateway istio    bookinfo-gateway-istio.default.svc.cluster.local   True         16s
```

7. access the application

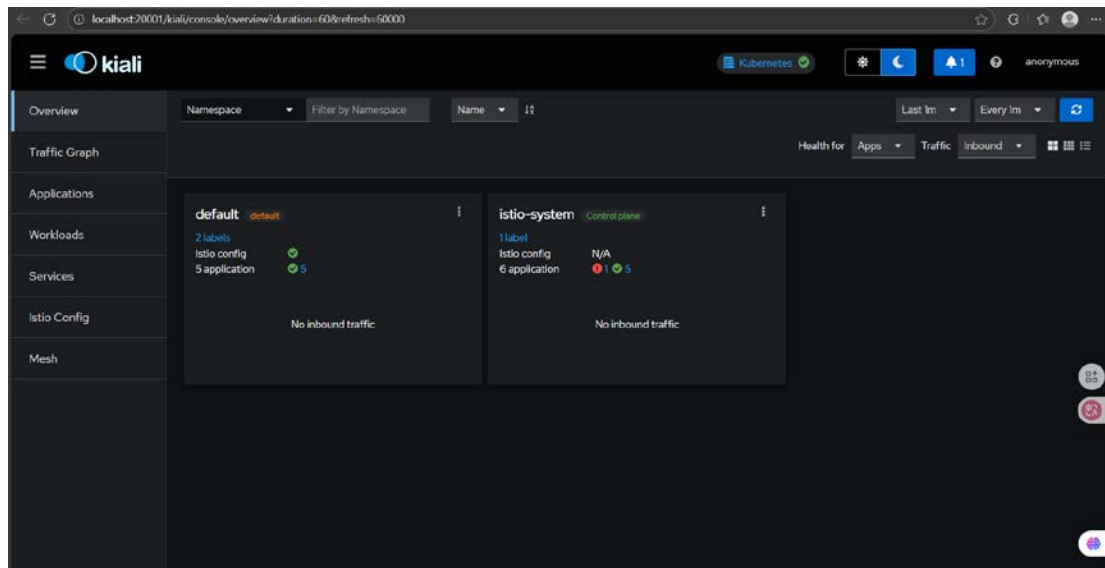
```
diluo@Wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ kubectl port-forward svc/bookinfo-gateway-istio 8080:80
Forwarding from 127.0.0.1:8080 -> 80
Forwarding from [::1]:8080 -> 80
Handling connection for 8080
Handling connection for 8080
```



8. access the dashboard

```
PS D:\Istio\istio-1.27.1> kubectl apply -f samples/addons
serviceaccount/grafana created
configmap/grafana created
service/grafana created
deployment.apps/grafana created
configmap/istio-grafana-dashboards created
configmap/istio-services-grafana-dashboards created
deployment.apps/jaeger created
service/tracing created
service/zipkin created
service/jaeger-collector created
serviceaccount/kiali created
configmap/kiali created
clusterrole.rbac.authorization.k8s.io/kiali created
clusterrolebinding.rbac.authorization.k8s.io/kiali created
service/kiali created
deployment.apps/kiali created
serviceaccount/loki created
configmap/loki created
```

```
PS D:\Istio\istio-1.27.1> kubectl rollout status deployment/kiali -n istio-system
Waiting for deployment "kiali" rollout to finish: 0 of 1 updated replicas are available...
deployment "kiali" successfully rolled out
```



9. clean up

```
diluo@Wzm: /mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ kubectl delete -f samples/addons
serviceaccount "grafana" deleted from istio-system namespace
configmap "grafana" deleted from istio-system namespace
service "grafana" deleted from istio-system namespace
deployment.apps "grafana" deleted from istio-system namespace
configmap "istio-grafana-dashboards" deleted from istio-system namespace
configmap "istio-services-grafana-dashboards" deleted from istio-system namespace
deployment.apps "jaeger" deleted from istio-system namespace
service "tracing" deleted from istio-system namespace
service "zipkin" deleted from istio-system namespace
service "jaeger-collector" deleted from istio-system namespace
serviceaccount "kiali" deleted from istio-system namespace
configmap "kiali" deleted from istio-system namespace
clusterrole.rbac.authorization.k8s.io "kiali" deleted
clusterrolebinding.rbac.authorization.k8s.io "kiali" deleted
service "kiali" deleted from istio-system namespace
deployment.apps "kiali" deleted from istio-system namespace
serviceaccount "loki" deleted from istio-system namespace
configmap "loki" deleted from istio-system namespace
configmap "loki-runtime" deleted from istio-system namespace
clusterrole.rbac.authorization.k8s.io "loki-clusterrole" deleted
clusterrolebinding.rbac.authorization.k8s.io "loki-clusterrolebinding" deleted
service "loki-memberlist" deleted from istio-system namespace
service "loki-headless" deleted from istio-system namespace
service "loki" deleted from istio-system namespace
statefulset.apps "loki" deleted from istio-system namespace
```

```
diluo@Wzm: /mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ istioctl uninstall -y --purge
All Istio resources will be pruned from the cluster

Removed apps/v1, Kind=Deployment/istiod.istio-system.
Removed /v1, Kind=Service/istiod.istio-system.
Removed /v1, Kind=ConfigMap/istio.istio-system.
Removed /v1, Kind=ConfigMap/istio-sidecar-injector.istio-system.
Removed /v1, Kind=ConfigMap/values.istio-system.
Removed /v1, Kind=Pod/istiod-7c7fdc99bc-hwt8x.istio-system.
Removed /v1, Kind=ServiceAccount/istio-reader-service-account.istio-system.
Removed /v1, Kind=ServiceAccount/istiod.istio-system.
Removed rbac.authorization.k8s.io/v1, Kind=RoleBinding/istiod.istio-system.
Removed rbac.authorization.k8s.io/v1, Kind=Role/istiod.istio-system.
Removed policy/v1, Kind=PodDisruptionBudget/istiod.istio-system.
Removed admissionregistration.k8s.io/v1, Kind=MutatingWebhookConfiguration/istio-revision-tag-default..
Removed admissionregistration.k8s.io/v1, Kind=MutatingWebhookConfiguration/istio-sidecar-injector..
Removed admissionregistration.k8s.io/v1, Kind=ValidatingWebhookConfiguration/istio-validator-istio-system..
Removed admissionregistration.k8s.io/v1, Kind=ValidatingWebhookConfiguration/istiod-default-validator..
Removed rbac.authorization.k8s.io/v1, Kind=ClusterRole/istio-reader-clusterrole-istio-system..
Removed rbac.authorization.k8s.io/v1, Kind=ClusterRole/istiod-gateway-controller-istio-system..
Removed rbac.authorization.k8s.io/v1, Kind=ClusterRoleBinding/istio-reader-clusterrole-istio-system..
Removed rbac.authorization.k8s.io/v1, Kind=ClusterRoleBinding/istiod-clusterrole-istio-system..
Removed rbac.authorization.k8s.io/v1, Kind=ClusterRoleBinding/istiod-gateway-controller-istio-system..
Removed apiextensions.k8s.io/v1, Kind=CustomResourceDefinition/authorizationpolicies.security.istio.io..
```

```
diluo@wzm:/mnt/d/Istio/istio-1.27.1/linuxVersion/istio-1.27.3$ samples/bookinfo/platform/kube/cleanup.sh
namespace ? [default]
using NAMESPACE=default
Error from server (NotFound): Unable to list "networking.istio.io/v1, Resource=destinationrules": the server could not find the requested resource (get destinationrules.networking.istio.io)
Error from server (NotFound): Unable to list "networking.istio.io/v1, Resource=virtualservices": the server could not find the requested resource (get virtualservices.networking.istio.io)
gateway.gateway.networking.k8s.io "bookinfo-gateway" deleted from default namespace
error: the server doesn't have a resource type "authorizationpolicies"
httproute.gateway.networking.k8s.io "bookinfo" deleted from default namespace
Application cleanup may take up to one minute
service "details" deleted from default namespace
serviceaccount "bookinfo-details" deleted from default namespace
deployment.apps "details-v1" deleted from default namespace
service "ratings" deleted from default namespace
serviceaccount "bookinfo-ratings" deleted from default namespace
deployment.apps "ratings-v1" deleted from default namespace
service "reviews" deleted from default namespace
serviceaccount "bookinfo-reviews" deleted from default namespace
deployment.apps "reviews-v1" deleted from default namespace
deployment.apps "reviews-v2" deleted from default namespace
deployment.apps "reviews-v3" deleted from default namespace
service "productpage" deleted from default namespace
serviceaccount "bookinfo-productpage" deleted from default namespace
deployment.apps "productpage-v1" deleted from default namespace
Application cleanup successful
```