

1. download istio 1.27.1 from istio release

The screenshot shows the GitHub release page for Istio 1.27.1. The browser address bar displays the URL `https://github.com/istio/istio/releases/tag/1.27.1`. The page header includes the Istio logo, 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 "4ac3599" is 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

[Compare](#)

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

<div> <div> <div>🔄</div> <div>🖥️</div> <div>></div> <div>⋮</div> <div>Istio</div> <div>></div> <div>istio-1.27.1</div> <div>></div> </div> <div>在 istio-1.27.1 中</div> <div>🔍</div> </div>			
<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 in another terminal

```
PS D:\Istio\istio-1.27.1> minikube start
* Microsoft Windows 11 Home China 10.0.26100.6584 Build 26100.6584 上的 minikube v1.37.0
* Kubernetes 1.34.0 现在可用。如果您想要升级，请指定：--kubernetes-version=v1.34.0
* 根据现有的配置文件使用 docker 驱动程序
* 在集群中 "minikube" 启动节点 "minikube" primary control-plane
* 正在拉取基础镜像 v0.0.48 ...
* 正在为 "minikube" 重启现有的 docker container ...
! 从 Minikube 的 container 内部连接到 https://registry.cn-hangzhou.aliyuncs.com/google_containers/ 失败
* 要获取新的外部镜像，可能需要配置代理：https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
* 正在 Docker 28.4.0 中准备 Kubernetes v1.30.0...
* 正在验证 Kubernetes 组件...
  - 正在使用镜像 registry.cn-hangzhou.aliyuncs.com/google_containers/storage-provisioner:v5
* 启用插件：storage-provisioner, default-storageclass

! C:\Program Files\Docker\Docker\resources\bin\kubectl.exe 的版本为 1.34.1，可能与 Kubernetes 1.30.0 不兼容。
  - 想要使用 kubectl v1.30.0 吗？尝试使用 'minikube kubectl -- get pods -A' 命令
* 完成！kubectl 现在已配置，默认使用 "minikube" 集群和 "default" 命名空间
PS D:\Istio\istio-1.27.1>
```

3. install istio with minikube

```
Windows PowerShell
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安装最新的 PowerShell，了解新功能和改进！ https://aka.ms/PSWindows

PS D:\Istio\istio-1.27.1> $env:PATH += ";$pwd\bin"
PS D:\Istio\istio-1.27.1> # 使用完整路径
PS D:\Istio\istio-1.27.1> .\bin\istioctl install -f samples\bookinfo\demo-profile-no-gateways.yaml -y

Istio core installed 🎉
Processing resources for Istiod. Waiting for Deployment/istio-system/istiod
```

```
Istio core installed 🎉
Istiod installed 🎉
- Pruning removed resources
Removed apps/v1, Kind=Deployment/istio-egressgateway.istio-system.
Removed apps/v1, Kind=Deployment/istio-ingressgateway.istio-system.
Removed /v1, Kind=Service/istio-ingressgateway.istio-system.
Removed /v1, Kind=Service/istio-egressgateway.istio-system.
Removed /v1, Kind=ServiceAccount/istio-ingressgateway-service-account.istio-system.
Removed /v1, Kind=ServiceAccount/istio-egressgateway-service-account.istio-system.
Removed rbac.authorization.k8s.io/v1, Kind=RoleBinding/istio-ingressgateway-sds.istio-system.
Removed rbac.authorization.k8s.io/v1, Kind=RoleBinding/istio-egressgateway-sds.istio-system.
Removed rbac.authorization.k8s.io/v1, Kind=Role/istio-ingressgateway-sds.istio-system.
Removed rbac.authorization.k8s.io/v1, Kind=Role/istio-egressgateway-sds.istio-system.
Removed policy/v1, Kind=PodDisruptionBudget/istio-ingressgateway.istio-system.
Removed policy/v1, Kind=PodDisruptionBudget/istio-egressgateway.istio-system.
✓ Installation complete
```

4. install the Kubernetes Gateway API CRDs

```
PS D:\Istio\istio-1.27.1> kubectl apply -f samples\gateway-api-crd.yaml
customresourcedefinition.apiextensions.k8s.io/gatewayclasses.gateway.networking.k8s.io created
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
PS D:\Istio\istio-1.27.1> kubectl get crd | findstr "gateway.networking.k8s.io"
gatewayclasses.gateway.networking.k8s.io      2025-10-15T02:38:48Z
gateways.gateway.networking.k8s.io            2025-10-15T02:38:48Z
grpcroutes.gateway.networking.k8s.io          2025-10-15T02:38:48Z
httproutes.gateway.networking.k8s.io          2025-10-15T02:38:49Z
referencegrants.gateway.networking.k8s.io      2025-10-15T02:38:49Z
```

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
```

```
PS D:\Istio\istio-1.27.1> kubectl get services
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
details	ClusterIP	10.96.162.106	<none>	9080/TCP	6m14s
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	83m
productpage	ClusterIP	10.100.231.13	<none>	9080/TCP	6m13s
ratings	ClusterIP	10.107.228.112	<none>	9080/TCP	6m13s
reviews	ClusterIP	10.97.237.143	<none>	9080/TCP	6m13s

```
PS D:\Istio\istio-1.27.1> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
details-v1-7b88fb8889-n95p9	2/2	Running	0	7m1s
productpage-v1-79d79d6-tg95w	2/2	Running	0	7m
ratings-v1-5b89cf4bbf-mldvw	2/2	Running	0	7m1s
reviews-v1-ffd57b847-h4ptj	2/2	Running	0	7m1s
reviews-v2-8cc6fd8dc-vgz6d	2/2	Running	0	7m1s
reviews-v3-cf48455-jq25p	2/2	Running	0	7m1s

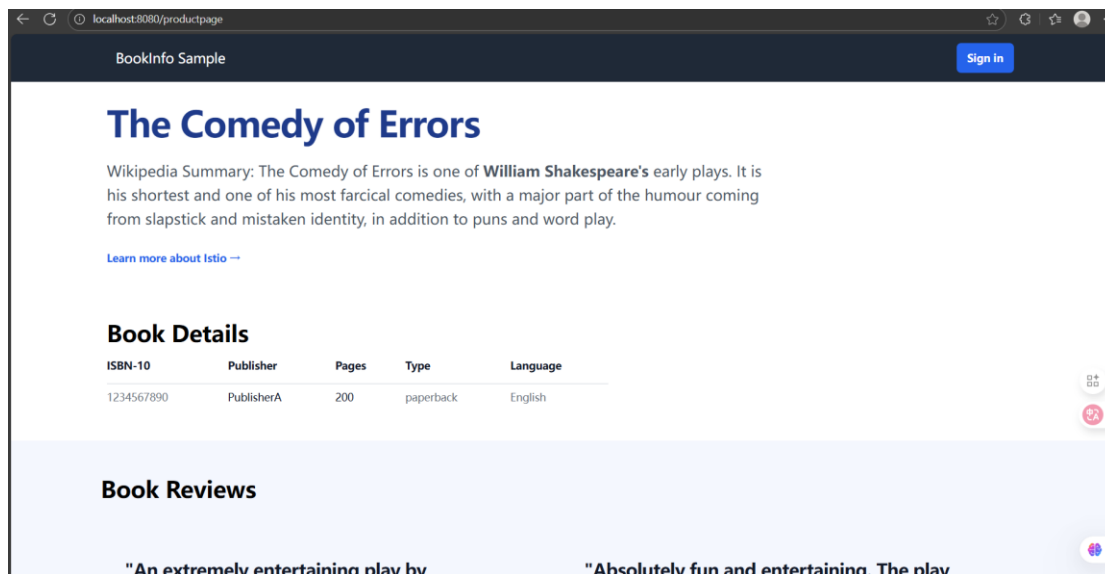
6. open the application to outside traffic

```
PS D:\Istio\istio-1.27.1> 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
PS D:\Istio\istio-1.27.1> kubectl annotate gateway bookinfo-gateway networking.istio.io/service-type=ClusterIP --namespace=default
gateway.gateway.networking.k8s.io/bookinfo-gateway annotated
PS D:\Istio\istio-1.27.1> kubectl get gateway
```

NAME	CLASS	ADDRESS	PROGRAMMED	AGE
bookinfo-gateway	istio	bookinfo-gateway-istio.default.svc.cluster.local	True	30s

7. access the application

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

