

How to Install Istio using istioctl



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As discussed in my earlier article we would be working on a few real-time scenarios where we would be able to comprehend the important features of Istio service mesh. We would start this by installing Istio in our Kubernetes cluster by a command-line tool called istioctl. To know more about Istio refer to [Introduction to Istio Service Mesh](#)

1. Let us download the istioctl on our local machine

```
curl -sL https://istio.io/downloadIstioctl | sh - && export  
PATH=$PATH:$HOME/.istioctl/bin
```

2. Now Install Istio in our Kubernetes cluster with a configuration profile. The profiles provide customization of the Istio control plane and of the sidecars for the Istio data plane. I would be using the demo profile to explore all the built-in capabilities of Istio. (Make sure that your kubeconfig file is present in ~/.kube folder in your machine.)

The components marked as X are installed within each profile:

	default	demo	minimal	remote
Core components				
<code>istio-egressgateway</code>		X		
<code>istio-ingressgateway</code>	X	X		
<code>istiod</code>	X	X	X	
Addons				
<code>grafana</code>		X		

istio-tracing		X		
kiali		X		
prometheus	X	X		X

Istio Profiles

\$ istioctl install — set profile=demo

```
[root@master istio-medium]# istioctl install --set profile=demo
Detected that your cluster does not support third party JWT authentication. Falling back to less secure first party JWT. See https://istio.io/docs/ops/best-practices/security/#configure-third-party-service-account-tokens for details.
+ Istio core installed
+ Istiod installed
+ Egress gateways installed
+ Ingress gateways installed
+ Addons installed
+ Installation complete
[root@master istio-medium]#
```

istioctl install — set profile=demo

3. Now after the successful installation you can find a lot of components created. Verify them by executing the command. The output would be

kubectl get po -n istio-system



All the istio components and addons

Hurrah!! We have successfully installed Istio service mesh components in our Kubernetes cluster using istioctl. In the next article, we would be exploring the various feature and work on using Istio with real-time scenarios. We would be working on **Weighted routing in Kubernetes using Istio.**

Prerequisites

<p>Introduction to Istio Service Mesh</p> <p>What is Istio Service Mesh?</p> <p>medium.com</p>	
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Recommended

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