

Istio: Install

Setup and Configure

Download Istio by running the following command:

```
curl -L https://istio.io/downloadIstio | sh -
```

Move to the Istio package directory. For example, if the package is istio-1.11.2:

```
cd istio-1.14.1
```

Add the istioctl client tool to the PATH for your workstation.

```
export PATH=$PWD/bin:$PATH
```

Validate if the cluster meets Istio install requirements by running the precheck:

```
istioctl x precheck
```

Output should look similar to:

```
✓ No issues found when checking the cluster.  
Istio is safe to install or upgrade!
```

Install and Adding Integration

- Istio

```
istioctl install
```

- Prometheus and Grafana

```
kubectl apply -f samples/addons/prometheus.yaml
```

```
kubectl apply -f samples/addons/grafana.yaml
```

- Jaeger

```
kubectl apply -f samples/addons/jaeger.yaml
```

- Kiali

```
kubectl apply -f samples/addons/kiali.yaml
```

Dashboards

```
istioctl dashboard <service>
```

Where `<service>` is one of:

- prometheus
- grafana
- jaeger
- kiali

Additional Setup

Gateway

Install the Gateway

```
kubectl create namespace istio-ingress
```

```
helm install istio-ingress istio/gateway -n istio-ingress
```

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