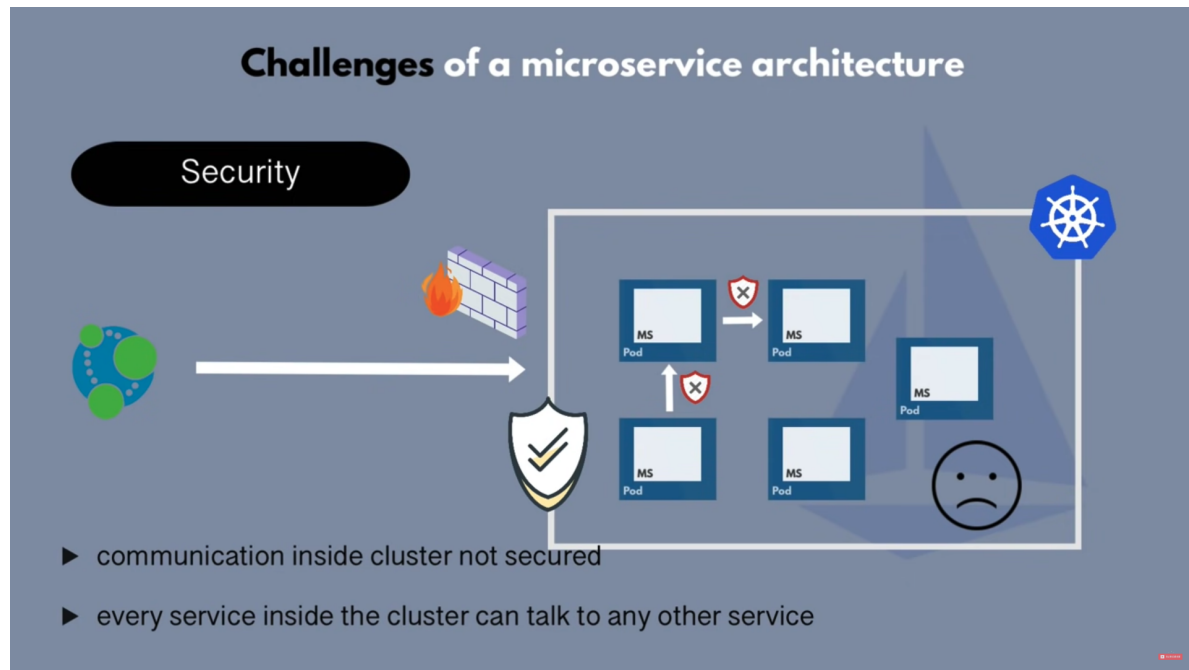
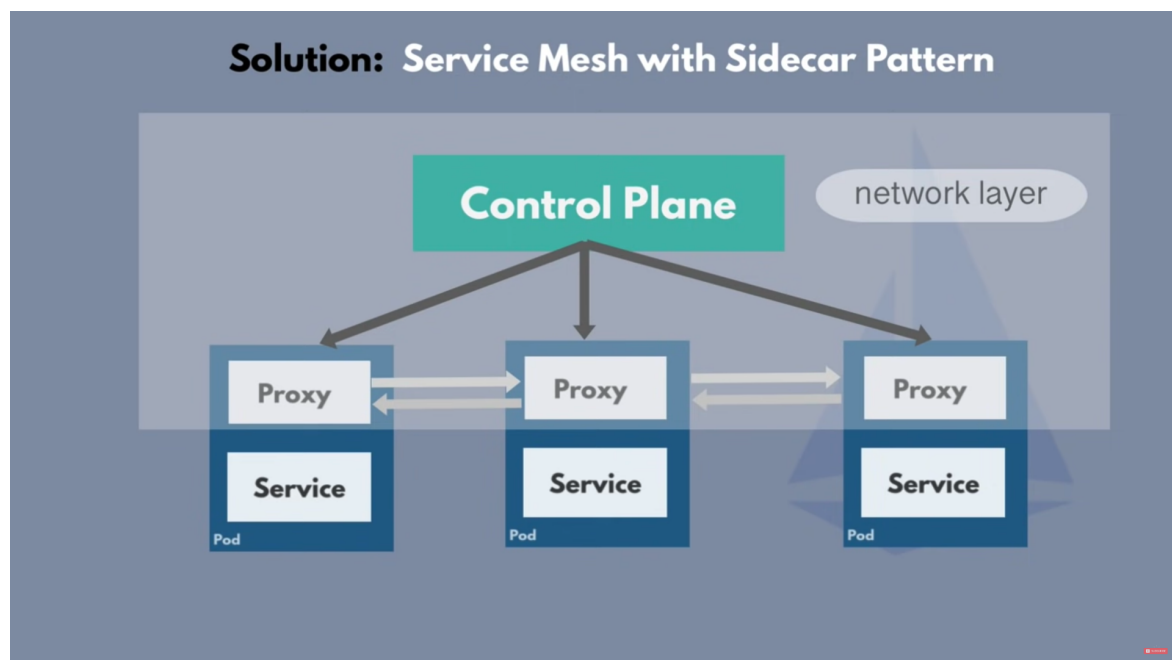


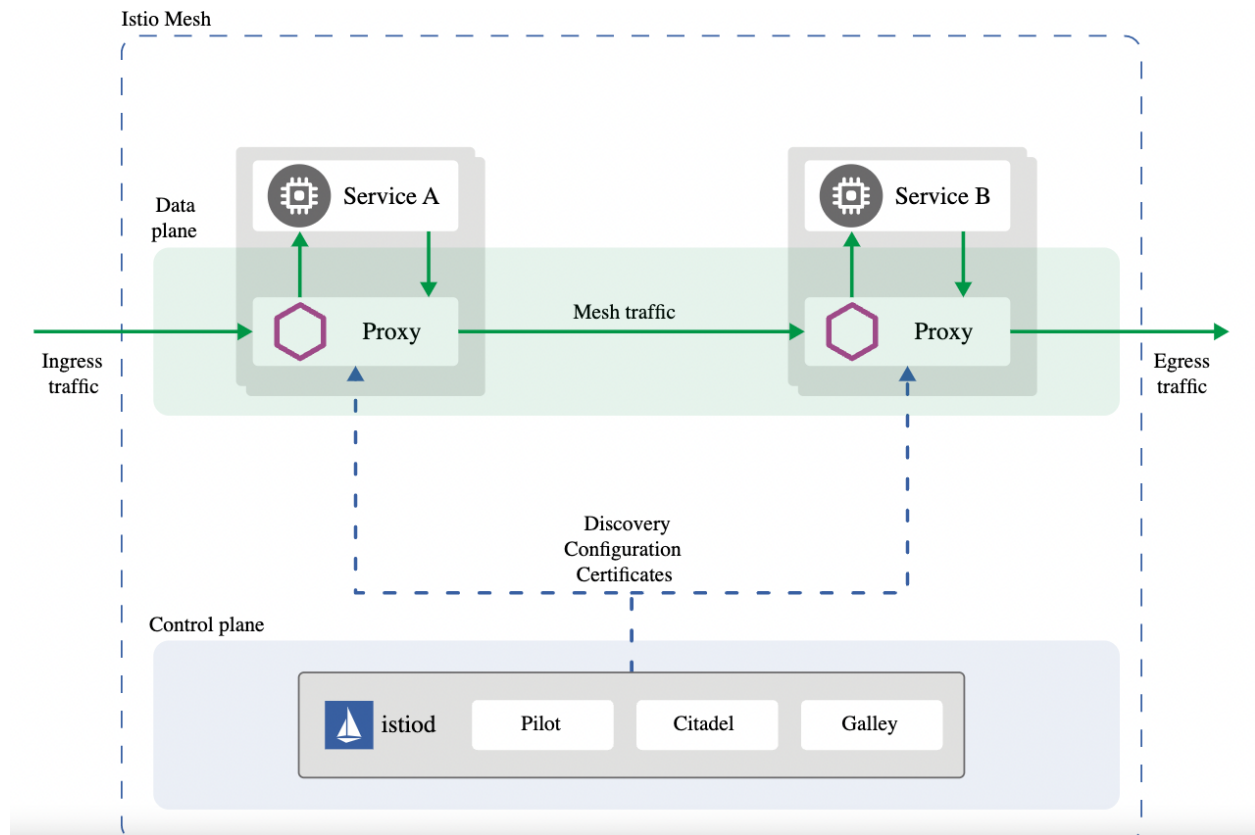
What is Istio? What is Service Mesh?

- Istio is a Service Mesh
- Service Mesh manages communication between microservices
- Service Mesh is a popular solution for managing communication between individual microservice in the microservices application.



★ Istio Component





➤ Control Plane

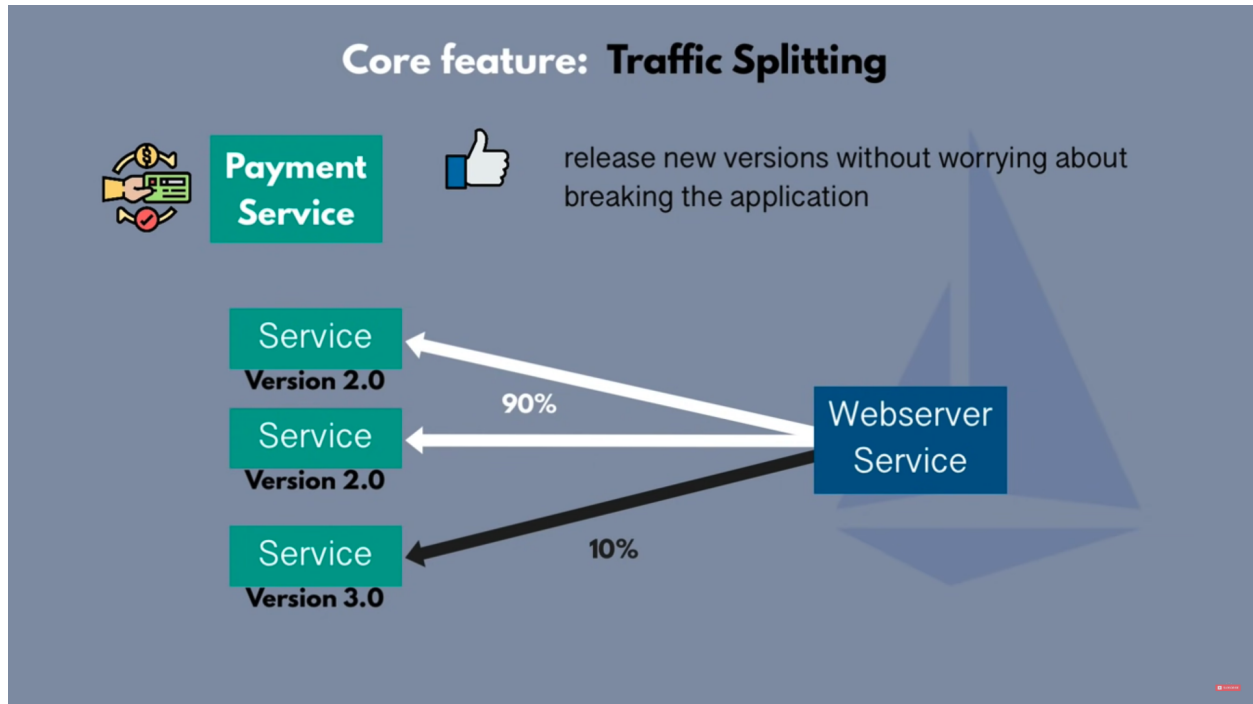
- Istiod provides service discovery, configuration and certificate management.
- Control Plane injects the Sidecar Proxy

➤ Sidecar Proxy

- handles these networking logic
- acts as a Proxy
- third-party application
- cluster operators can configure it easily

➤ Destination Rule

→ We can split traffic between old and new version of application



```
spec:
  hosts:
  - reviews
  http:
  - route:
    - destination:
        host: reviews
        subset: v1
        weight: 75
    - destination:
        host: reviews
        subset: v2
        weight: 25
```

Istio - installation and setup -

<https://docs.google.com/document/d/1laKirWq95G3deVUQk1kY1TSctq2vsMD0XJmNKDVxJVQ/edit?usp=sharing>