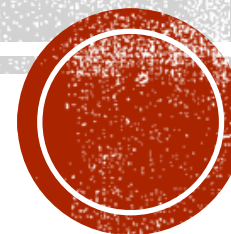
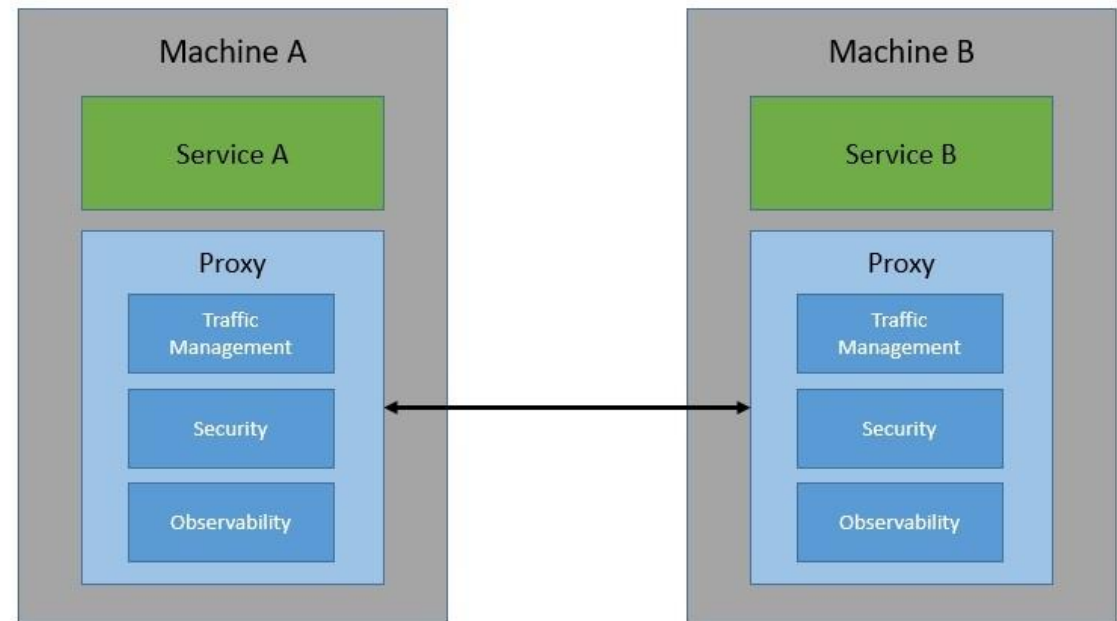


SERVICE MESH



SERVICE MESH

- Complementa una solución basada en microservicios
- Side Car
- Comunicación entre servicios flexible, confiable y segura
- Network mesh
- Traffic management
- Security
- Observability



TRAFFIC MANAGEMENT

- Discovery
- Load balancing
- Routing
- Retries
- Timeouts
- Rate limiting
- Circuit breaker
- Traffic splitting



SECURITY

- Traffic encryption
- Certificate validation
- Authorization
- Authentication



OBSERVABILITY

- Metrics:
 - Latency
 - Traffic
 - Errors
 - Saturation



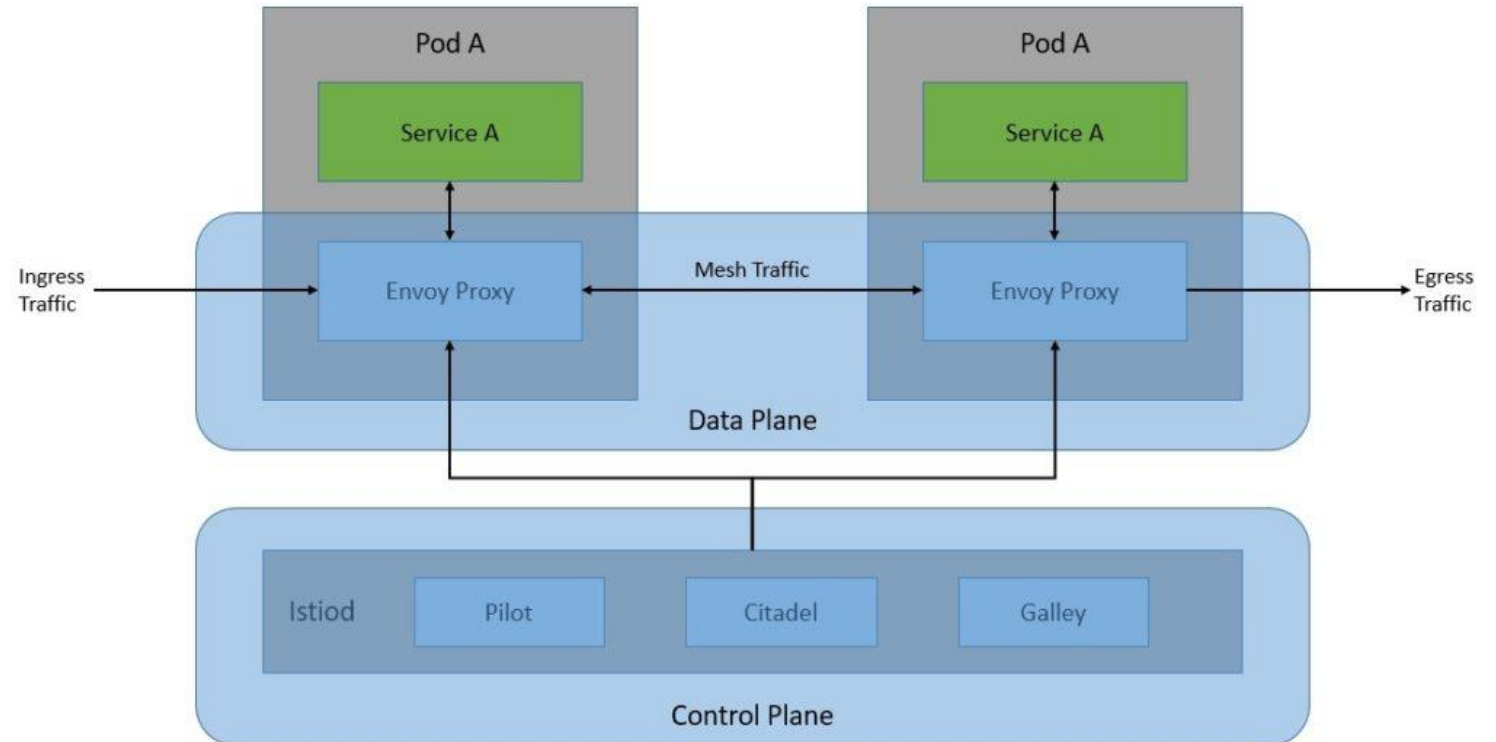
ISTIO

- Service Mesh implementation
- Open source
- Developed originally by IBM Google & Lyft
- Flexible
- Platform neutral
 - Cloud
 - On premise
 - On Kubernetes *



ISTIO

- Data Plane
 - Envoy proxies Sidecar
 - Traffic Control
 - Network resiliency
 - Security
- Control plane
 - Discovery
 - Cert Management
 - Proxies configuration



ISTIO

- Traffic management

