

IMESH **ISTIO** SERVICE MESH FOR ENTERPRISE



Simplify and secure the network of distributed microservices across the cloud.

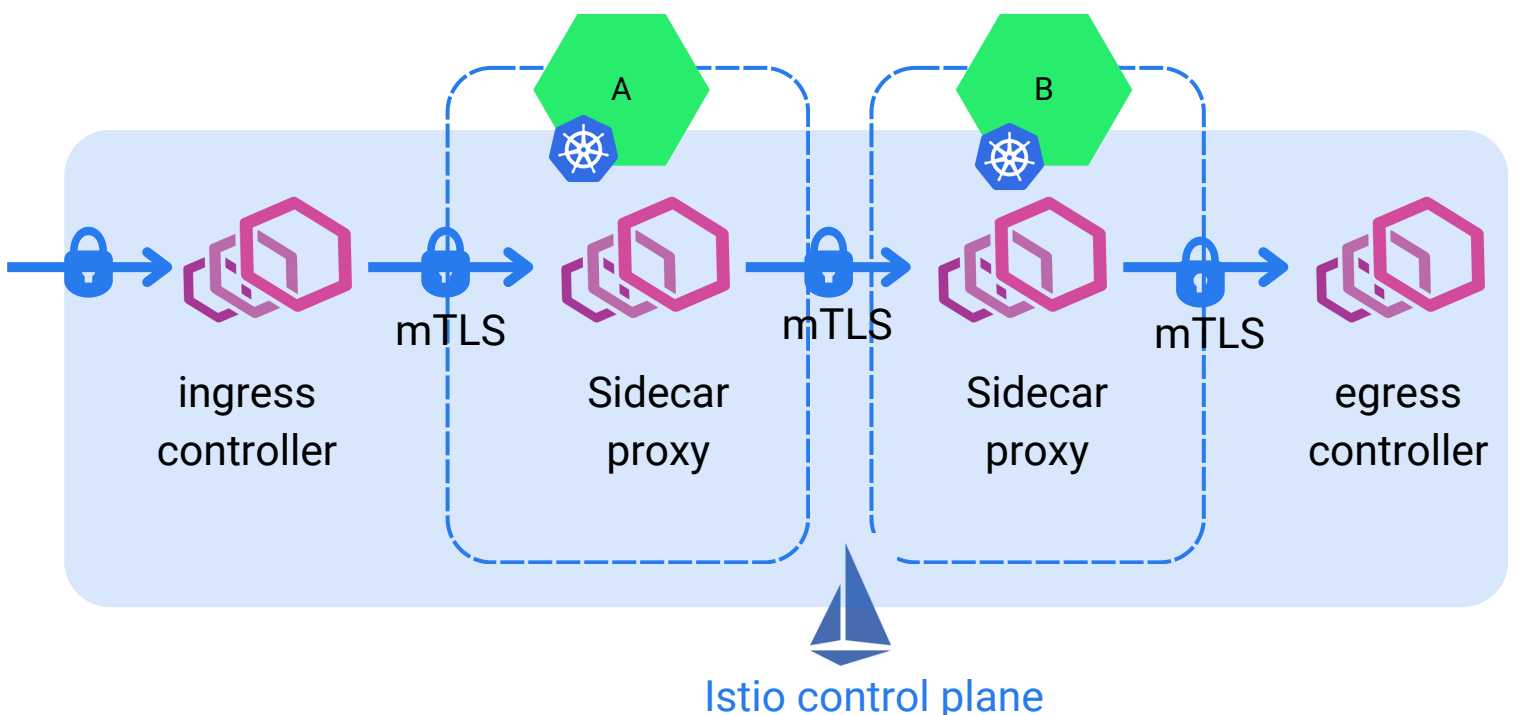


Modern Business Need to be Secure and Resilient

Modern businesses have adopted distributed architecture, cloud and container technologies for better agility and rapid time-to-market. These microservices are also deployed into public cloud (AWS/GCP/Azure) and Kubernetes to attain scale. But managing the network- communication among multicloud services, and ensuring security of data-in-transit is becoming more complicated than ever for app developers, cloud engineers and SREs.

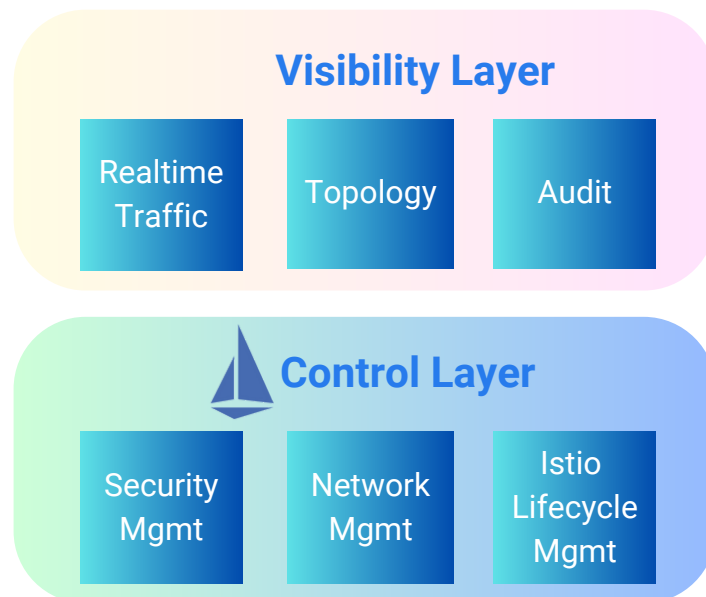
Istio Service Mesh

Open source Istio service mesh is an infrastructure layer that helps abstract the network from the core business logic. Istio injects Envoy proxy- a sidecar proxy with L4 and L7 capabilities to facilitate communication between services. In this way, the network and security logic can be defined from the Istio central plane and can be cascaded to any (or all) microservices easily.



IMESH Istio Service Mesh Platform

IMESH provides enterprise-ready Istio service mesh to solve network and security challenges of Kubernetes and multicloud applications without any hassle. With IMESH Istio, you can ensure high performance and highly secured applications serving your customer without any outages.



True Open Source

With IMESH you're enterprise-ready from day one, always have immediate access to Istio community upgrades and fixes, and are never locked into a vendor's proprietary distribution. Designed to be pluggable on top of open source Istio, IMESH platform is the true open source alternative to simplify and secure your cloud application.

Key Features



Security Management

Secure your resources and data-in-transit with Istio. Istio enables JWT authentication, mTLS, and certificate rotation for stronger identity of services in a network. Use authorization policies to implement RBAC and multitenancy for all your traffic - ingress traffic, service-to-service communication, and egress traffic.



Network Management

Improve the network reliability and resiliency of your multicloud and hybrid cloud applications. Istio provides L3/L4 and L7 features on HTTP calls (HTTP/2, gRPC) to implement advanced traffic management such as service discovery, load balancing, timeout, circuit breaker, retries, fault injection, failover, header manipulation, traffic splitting (for canary deployments), etc.



Istio Lifecycle Management

Implement Istio service mesh public cloud, Kubernetes and VMs without any operation hassle. IMESH manages the lifecycle of Istio with timely version upgrades, security patching, resource management, and performance optimization so that you can focus on innovation. We provide 24*7*365 monitoring and support, guaranteed SLAs and HA, and customer integrations with 50+ CI/CD tools.



Realtime Traffic Visibility

Get real-time visibility into network performance and behavior with metrics, logs and traces of traffic. IMESH Istio monitors the east-west and north-south traffic of your entire applications and helps you identify failures or performance regressions. IMESH provides integrations with major monitoring and logging tools.

Key Features



Network and Application Topology

Empower your SREs and Ops team with the visibility into application dependencies and traffic routes to troubleshoot issues quickly and identify root-cause of failures. IMESH Istio provides the topology of all the connected services across cloud, VMs and Kubernetes, along with network infrastructure such as API, ingress and egress gateway.



Audit

Get a bird's eye view of all information in your network and security configurations. With IMESH Istio provides real-time and scheduled audits for thorough review of who, what and when wrt network and security policies.

Key Benefits

5X

Rise in developer productivity

100%

Secured infrastructure

360°

Multicluster network visibility

3X

Faster MTTR network failures

99.9%

Resilient infrastructure

About IMESH

IMESH offers Kubernetes-native application network and security platform to manage multi-cloud and hybrid cloud environments. The IMESH platform is built on top of Istio service mesh and Envoy API gateway and helps cloud, platform and security teams to make Kubernetes application more secure, manageable, and reliable.

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