

Gloo Mesh Feature Comparison



Gloo Mesh
Enterprise



Gloo Mesh
Open Source



Basic Open
Source Istio

Other
products being
considered

Secure			
TLS/mTLS encryption	✓	✓	✓
Multi-tenancy and isolation	✓	✗	✗
Federated trust domains	✓	✓	✗
Federated role-based access control and delegation	✓	✗	✗
Safe handling of signing cert and Root rotation	✓	✗	✗
Multi-cluster observability metrics/graph	✓	✗	✗
FIPS (140-2) compliant	✓	✗	✗
Secure configuration model for cluster relay	✓	✗	✗
Secrets integration (with Kubernetes & Hashicorp Vault)	✓	✗	✓
OIDC/Oauth 2.0 flows	✓	✗	✗
Built-in web application firewall (WAF)	✓	✗	✗
Data loss prevention (DLP)	✓	✗	✗
External Authentication	✓	✗	✗
Open Policy Agent (OPA) for authorization	✓	✗	✗
Vulnerability scanning and publications	✓	✓	✓

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Reliable				
Multi-cluster dynamic routing	✓	✗	Limited	
Retries, circuit breaker, timeouts	✓	✓	✓	
Priority failover routing	✓	✗	✗	
No-interruption updates	✓	✗	✓	
Published SLAs	✓	✗	✗	
Dynamic scaling to thousands of nodes	✓	✗	✗	
Simple Global Service Naming	✓	✗	Limited	
Health checks	✓	✓	✓	
Advanced rate limiting	✓	✗	✗	
Configuration validation	✓	✗	✓	
Unified				
Distributed tracing (integration with Jaeger)	✓	✗	✓	
Multi-cluster security policies	✓	✓	✓	
Multi-version compatibility	✓	✗	✓	
Multi-mesh support	✓	✓	✗	
Multi-cluster observability (including Prometheus and Grafana)	✓	✗	✗	
Cross-origin resource sharing (CORS)	✓	✗	✗	
Global service discovery	✓	✓	✗	
Admin dashboard GUI with multi-cluster views	✓	✗	✗	
Gloo Developer Portal (API mgmt)	✓	✗	✗	
Workspace for multi-tenancy	✓	✗	✗	

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Easy				
Simplified API	✓	✓	✗	
Long-term version support	✓	✗	✗	
N-4 version patching & back-porting	✓	✗	✗	
Expert help on Slack	✓	✗	✗	
Enterprise support	✓	✗	✗	
Federated multi-cluster operations & policies	✓	✓	✗	
Istio lifecycle management	✓	✗	✗	
Comprehensive				
Global service routing	✓	✗	✗	
Locality-aware load balancing	✓	✗	✗	
Support for ARM processors	✓	✗	✗	
Virtual machines (VMs) support	✓	✗	✓	
Your choice of cloud & on-premises environments	✓	✓	✓	
Serverless functions integration	✓	✗	✗	
Shape, shift, & transform traffic	✓	✗	✓	
Simple object access protocol (SOAP) transforms	✓	✗	✗	
GitOps	✓	✓	✓	
Modern and Open				
Upstream Istio	✓	✓	✓	
Upstream Envoy Proxy (managed by Istio)	✓	✓	✓	
Kubernetes-native	✓	✓	✓	
Hybrid and multi-cloud support	✓	✓	✓	
Multi-cluster WebAssembly (Wasm)	✓	✗	✗	
Upstream GraphQL	✓	✗	✗	



About Solo.io

Solo.io, the modern service connectivity company, delivers application programming interface (API) infrastructure software that makes it easy for your architects and engineers to manage application traffic. As you move to cloud, microservices, Kubernetes containers, and serverless functions, you need a secure and reliable approach to application networking, with unified observability and control. Solo builds on open source Envoy Proxy and Istio to give you comprehensive API gateways and service meshes that work everywhere, at any scale.