

Gloo Mesh 1.1 Feature Comparison



Gloo Mesh
Enterprise
(Core + Gateway)1.1



Gloo Mesh
Core 1.1



Istio 1.10

Other
products being
considered

Secure			
TLS/mTLS encryption	✓	✓	✓
Multi-tenancy and isolation	✓	✓	✗
Federated trust domains	✓	✓	✗
Federated role-based access & 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	✓	✓	✓

	Gloo Mesh Enterprise (Core + Gateway)1.1	Gloo Mesh Core 1.1	Istio 1.10	Other products being considered
Reliable				
Multi-cluster dynamic routing	✓	✓	Limited	
Retries, circuit breaker, timeouts	✓	✓	✓	
Priority failover routing	✓	✓	✗	
No-interruption updates	✓	✓	✓	
Published SLAs	✓	✓	✗	
Dynamic scaling to thousands of nodes	✓	✓	✗	
Simplified Global-Service Naming	✓	✓	✓	
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)	✓	✗	✗	
Easy				
Simplified API	✓	✓	✗	
Long-term version support	✓	✓	✗	
N-4 Istio version patching/back-porting	✓	✓	✗	
Expert help via Slack	✓	✓	✗	
Enterprise support	✓	✓	✗	
Federated multi-cluster operations & policies	✓	✓	✗	

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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, pluggable	✓	✓	✓	
Hybrid and multi-cloud support	✓	✓	✓	
Multi-cluster WebAssembly (Wasm)	✓	✓	✗	



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About Solo.io

Solo.io, the modern service connectivity company, delivers API infrastructure from the edge to service mesh, helping enterprises adopt, secure, and operate innovative cloud native technologies. APIs drive microservices and cloud native technologies, forming the foundation for developers, partners and customers to interact with application services quickly, effectively, and securely. Solo.io brings developer and operations tooling to manage and federate security and traffic control and tie together the integration points to enable and observe the application network.