Gloo Edge Feature Comparison

	Gloo Edge Enterprise	Gloo Edge Open Source	Basic Open Source Envoy Proxy	Other products being considered
Secure				
Transport layer security (TLS & mTLS) - provides end-to-end encryption to protect data in motion between end points	✓	✓	✓	
Secrets (with Kubernetes & Hashicorp Vault) - manages sensitive credentials like passwords, tokens, and keys	✓	✓	✓	
Access logging & usage stats - provides complete observability and auditability of all activity across the system	✓	✓	✓	
Built-in web application firewall (WAF) - screens traffic for threats and stops attacks	✓	✕	✕	
Data loss prevention (DLP) - monitors for data breaches or exfiltration to prevent data loss and data leaks	✓	✕	✕	
Extensible authentication - integrates with API keys, JSON web tokens (JWT), lightweight directory access protocol (LDAP), OAuth, OpenID Connect (OIDC), and custom services	✓	✕	✕	
Federated role-based access control - grants permissions to users appropriate to their responsibility and applies them consistently everywhere	✓	✕	✕	
Open Policy Agent (OPA) for authorization - defines service API policies as code	✓	✕	✕	
Vulnerability scanning and publications - finds, addresses, and alerts on weaknesses in the system	✓	✕	✕	

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Reliable

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Dynamic routing for HTTP, TCP, gRPC - directs inbound (ingress) and outbound (egress) connections for layer 4 (TCP) and layer 7 (HTTP/S) traffic	✓	✓	✓	
Quotas - set limits on application traffic to meet desired workloads	✓	✓	✓	
Health checks - confirm that the system is operating as expected	✓	✓	✓	
Retries, circuit breaker, timeouts - handle exceptions and issues in connections gracefully	✓	✓	✓	
Advanced rate limiting (metrics, server config, rate limit config) - define custom policies to handle more complex situations	✓	✕	✕	
Configuration validation - makes sure that the system is deployed and defined correctly	✓	✕	✕	
Service level agreements (SLAs) - provide assurance that issues are responded to in a timely manner	✓	✕	✕	
Global failover & routing - redirects application traffic to other resources in the event of an outage	✓	✕	✕	

Unified

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Cross-origin resource sharing (CORS) - set policies for and pre-verifies which origins are allowed to connect to specified resources	✓	✓	✓	
Prometheus integration - collects system metrics for observability to monitor and troubleshoot, and auditing for investigation	✓	✓	✓	
Grafana integration - displays system metrics in user-friendly graphs and enables building custom dashboards	✓	✓	✓	
Automatic service discovery - finds and defines upstream resources (applications/microservices) that can be targets for connections	✓	✓	✓	
Admin dashboard GUI with multi-cluster views - gives centralized observability and control of the whole system	✓	✕	✕	
Gloo Developer Portal (API mgmt) - enables publishing, sharing, and calling of defined APIs	✓	✕	✕	

Modern and Open

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Kubernetes-native - designed to operate naturally with K8s containers making it pluggable and leveraging custom resources (CRDs)	✓	✓	✓	
Envoy Proxy-based - enhances the popular open source project as a solid foundation for future-proof innovation	✓	✓	✓	

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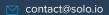|	Gloo Edge Enterprise	Gloo Edge Open Source	Basic Open Source Envoy Proxy	Other products being considered
Easy				
Simplified API - makes it easier to configure and use Envoy Proxy	✓	✓	✗	
Long-term version support - covers releases of Envoy for at least a year so you can upgrade on your schedule	✓	✓	✗	
N-3 version patching & back-porting - fixes bugs and security issues in current and three previous releases of Envoy	✓	✓	✗	
Expert help on Slack - for fast response to all your questions by an active public community and Solo engineers worldwide	✓	✓	✗	
Enterprise support - helps quickly resolve issues in production environments via Slack, email, and phone	✓	✗	✗	
Automated/federated traffic mgmt policy configuration - defines and enforces application connection behavior consistently everywhere	✓	✗	✗	
Automated reconcile of policy changes - verifies and applies new configurations and policies	✓	✗	✗	
Comprehensive				
Your choice of cloud & on-premises environments - lets you run consistently anywhere you choose to operate your applications	✓	✓	✓	
Serverless functions integration - enables connections to AWS Lambda alongside containers and other upstream resources	✓	✓	✓	
Virtual machines (VMs) support - enables connections to VMs alongside containers and serverless upstream resources	✓	✓	✓	
Shape, shift, & transform traffic - to define exactly how you want requests to be processed and presented, and connect to diverse protocols	✓	✓	✓	
Federated multi-cluster operations & policies - manage and observe across clusters and even hybrid and multi-cloud deployments	✓	✓	✓	
Simple object access protocol (SOAP) transforms - tie in XML messaging protocols for legacy applications	✓	✗	✗	
A/B testing with Flagger - test application updates as canaries with a specified slice of inbound connections	✓	✗	✗	
WebAssembly (Wasm) - provides the ability to define extensible custom filters for security and control	✓	✗	✗	

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