Tetrate Enterprise Gateway for Envoy

The enterprise-ready distribution of Envoy Gateway, the cloud native service gateway.

Overview

Enabling and controlling access and traffic to your services, APIs, and apps is crucial to delivering software over the network. Choosing a solution that offers ease of configuration, reliability, and flexibility is essential. With Tetrate Enterprise Gateway for Envoy (TEG), you can confidently secure and observe your traffic, freeing your organization to focus on creating application experiences and features.

Envoy is a highly extensible gateway that offers advanced load-balancing algorithms, real-time dynamic configuration, extensive support for modern protocols (including HTTP/2 and gRPC), built-in support for detailed metrics, and more.

By choosing TEG, you not only gain the advantages of the open source Envoy Gateway, but also benefit from "batteries included" packaging, enterprise support, extended lifecycle support, and CVE protection from Tetrate, the leading sponsor of Envoy Gateway.

Contents:

1 Protect your applications
Leverage WAF-based security at the ingress point of your cluster.

2 Manage traffic
Effectively manage application traffic with rate-limiting and making configuration-based routing. Enable canary releases and failovers for reliable and secure operation of your services.

3 Observe traffic
Collect observability data in OTEL format and monitor traffic coming through the gateway.

4 Authenticate users
Integrate with OpenID Connect providers to enable Single Sign On.

Why Choose Tetrate Enterprise Gateway for Envoy?

Expert support and best practices. With Tetrate Enterprise Gateway for Envoy, you're not just

getting a powerful tool. You're also gaining access to our always-on expert support and best practices. This ensures that your Envoy Gateway deployment is not only functional but also optimized for success, giving you the confidence that you're making the right choice.

CVE protection. Get continuous and extended protection from open-source components such as Common Vulnerabilities and Exposures (CVEs), so you can rest easily, knowing your environment is safeguarded against potential threats.

Commitment to open source. Tetrate is committed to investing in and driving the evolution of Envoy Gateway to benefit its users, engaging with users and contributors while offering its clients an enterprise-ready solution. Get Access Today ›

Key Features

EG/TEG Features and Benefits	EG	TEG
Traffic		
Broad protocol support Including HTTP/1. x, HTTP/2, gRPC, and TCP	✓	✓
Advanced load-balancing algorithms	✓	✓
Rate limit traffic With global or route-based conditions	✓	✓
Traffic routing to services and apps Inside or outside of Kubernetes	✓	✓
Observability		
Integrate with Grafana dashboards View both gateway and proxy performance	✓	✓
Security		
Basic Auth for caller authentication	✓	✓
mTLS for caller authentication	✓	✓
JWT token-based authorization	✓	✓

Put apps behind login with OIDC IdP integrations	✓	✓
WAF-based capabilities with Coraza WAF		✓
Operations		
Configure with zero-downtime using the Kubernetes Gateway API	✓	✓
Deploy shared or dedicated gateways for teams	✓	✓
Service discovery integration		✓
Enterprise Enablement		
Lifecycle management		✓
CVE reporting		✓
Enterprise support		✓

Learn more about Envoy Gateway ›   **Get started with TEG ›**

tetrate