GLOO | GATEWAY

API connectivity done right

Gloo Gateway provides omni-directional, cloud-native API connectivity to unify API management across external, internal, and third-party APIs.

Built on the market-leading Envoy Proxy, Gloo Gateway brings API management into the cloud-native era. It offers self-service to API development teams backed by automated guardrails that platform teams require to secure, scale, and monitor APIs in production.

Why Gloo Gateway

Traditional API management is a cloud anti-pattern. Full lifecycle API management suites centralize control through monolithic, heavyweight gateways. The future of API management requires an omni-directional approach to route, secure, and observe both external and internal API traffic, providing a unified solution for modern API connectivity in cloud-native environments.

Gloo Gateway makes API connectivity work for the era of Kubernetes, platform engineering, and GenAI with a GitOps centric approach to configure everything as code.

Leading organizations trust Gloo Gateway

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Cloud-native foundation

Cloud-native API connectivity delivers cloud scale, performance, reliability, and flexibility by being built on the right foundation of Envoy Proxy and Kubernetes Gateway API. Envoy is the world's leading cloud-native network proxy, built for the cloud by companies born in the cloud.

Every direction, any environment

API Connectivity is required for inbound, service-to-service, and outbound API traffic. An Omni gateway supports comprehensive API management in every direction with a federated control plane and a distributed data plane that runs across cloud providers, VMs, and serverless architectures.

Zero trust for APIs

Legacy API management solutions focus on securing public APIs while ignoring internal API traffic and third-party API consumption. An Omni gateway approach establishes a zero trust security posture for all API traffic.

Unbundled API management

Monolithic API management suites lock you into vendor stacks that limit choice and stagnate innovation. An Omni approach builds on open source and open standards to place you at the center of a vibrant ecosystem of best-of-breed solutions for each stage of the API lifecycle.

Gloo Gateway Capabilities

Multi-cluster
- A federated control plane allows centralized deployment, management, and monitoring across on-premise and cloud environments.
- Delegated routing, failover, and discovery provide best-in-class flexibility and scale for distributed deployment architectures.

Zero trust
- An Omni gateway approach establishes a zero trust security posture, providing automatic authentication, authorization, encryption, and audit on all API traffic regardless of direction.
- Gloo Gateway provides advanced security capabilities including support for CORS, DLP, ExtAuth, JWT validation, WAF, and more

Multi-protocol
- Modern API connectivity requires support for a wide range of Layer 4 and Layer 7 protocols.
- Gloo Gateway's robust support for HTTP, TCP, and event-driven protocols provides a unified solution across all API interfaces.

Observability & operations
- Centralized control plane and Gloo UI that provides a service graph with detailed traffic maps and resources lists to ensure the health and performance of your gateways

Developer portal
- Modernize your public API presence with a React-based developer portal that is ready to deploy out of the box.
- Secure, API driven developer portal utilizing both Gloo and Kubernetes custom resources

Analytics & monetization
- Advanced API metrics and analytics allow you to monitor API health and performance, measure business impact of API products, and monetize API consumption.

LLM integration
- The AI add-on for Gloo Gateway supports advanced features for integrating with LLM API providers, including credential management, prompt guardrails, RAG, semantic caching, and much more.

Learn more at **solo.io/products/gloo-gateway**.

What customers are saying

"Observability has improved substantially—before, APIs were scattered everywhere. Now, with Gloo, we have a centralized view of all API traffic, making it easier to manage and secure."

Aaron Davis,
Head of Platform Engineering

GRAINGER

"Previously, teams were deploying manually, dealing with configuration tickets, and waiting on platform teams. With Gloo, we eliminated those bottlenecks and empowered teams to deploy faster and more frequently with self-service deployment. Developers now own their API routes without waiting on platform teams, drastically reducing time to production."

Anthony Mallica,
Tech Lead, Platform Engineering

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"We compared a few different gateway vendors, and immediately Solo.io's support during that phase was worlds apart from everybody else and that's been maintained throughout the last few years of our relationship."

Jonathan Lane,
Senior Team Manager, API Plaform

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