Kong

KONNECT

The Service Connectivity Platform

Every organization is under pressure to innovate by providing compelling digital experiences. Organizations overcome this challenge through applications that are built with modern architectures using microservices and containers, managed through Kubernetes. These modern methods deliver the agility needs of the businesses.

Organizations break down legacy monolithic applications into smaller modern services, or they build new cloud native apps using microservices. The number of APIs is exploding, and connectivity between services becomes the critical backbone of your applications.

Kong Konnect helps address these challenges by providing reliable, secure and observable connectivity for all services across any infrastructure. The platform provides full lifecycle API management to:

- Design, test and document APIs and microservices
- Connect services across any infrastructure
- Automate the API lifecycle

WHY KONG KONNECT

End-to-end service connectivity
The platform integrates an API gateway, service mesh and ingress to provide end-to-end service connectivity across the full API lifecycle. It is the only platform that provides end-to-end connectivity between services within applications and across applications as well as exposes services at the edge.

Architectural freedom
You can abstract network and security concerns from services so that developers can focus on building apps instead of pipes. Kong connects services across any cloud, any platform and any modern protocol such as REST, GraphQL, gRPC and Kafka.

Hybrid and multi-cloud
You want to deploy services in cloud computing resources closer to the physical business locations for performance, cost, privacy and regulatory compliance reasons. With Kong Konnect you can deploy APIs in a 100% consistent manner across any infrastructure and any deployment pattern such as hybrid or multi-cloud configurations.

Kubernetes native
You can deploy Konnect in Kubernetes via the Kong Kubernetes Ingress Controller to manage microservices and APIs natively through Kubernetes CRDs. You can automate deployment tasks and ensure consistency of configurations with GitOps.

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Extensible
Konnect's core is fully extensible, and you can build your own custom plugins to complement the many out-of-box policies that are available with the open source or enterprise edition.

Fast, scalable and secure
Konnect runtimes are lightweight, fast by design and remove bloat from each service. You can seamlessly scale up and down services and secure them with policies that enforce zero-trust security.

Automation
Konnect enables declarative configuration by generating a configuration file for Kong, via Kubernetes Ingress or the Kong Gateway, and pushing it into a CI/CD pipeline via GitSync to provide a single version of the truth and to optimize DevOps and GitOps practices.

Kong Konnect includes a management plane and runtimes. The SaaS-based management plane accelerates deployments and provides access to functionality modules:

Kong ServiceHub	Build a comprehensive catalog of heterogeneous services to enable service consumability.
Kong Vitals	Get a central view of all services and runtimes with real-time analytics.
Kong Runtime Manager	Spin up and manage Kong Gateway across hybrid and multi-cloud, Kubernetes and self-hosted infrastructures with simplified and automated day-2 automation.
Kong Developer Portal	Provide APIs as a product to external teams to consume through a customized portal.

The following functionality modules are available for self-management:

Insomnia	Use spec-driven development to design, test and document APIs.
Kong Immunity	Detect traffic anomalies to predict service disruptions and security vulnerabilities.

Kong Konnect includes self-managed runtimes that provide flexibility to support any hybrid or multi-cloud deployment patterns:

Kong Gateway	The world's most popular API gateway, optimized for microservices and distributed architectures.
Kong Mesh	Universal service mesh for enterprise organizations focused on simplicity and scalability with Kuma and Envoy.

Kong Konnect is available in three plan tiers: **Free, Plus and Enterprise.**

Over 300 global brands trust Kong for their end-to-end service connectivity.

Cargill   PAPA JOHN'S PIZZA   gsk   YAHOO! JAPAN   Verifone   FAB First Abu Dhabi Bank