

Conduktor Data Security

A multi-cluster, vendor & language agnostic security layer around your Kafka. Protect your mission-critical data, meet regulatory and compliance standards.

Language agnostic security layer

Introduce an essential security layer on your existing Kafka infrastructure without disrupting your business or existing project delivery. Java, Rust, or Python our solution is not constrained by interoperability problems.

Field-level E2E Encryption

Respect PII & other regulations by enforcing data encryption at rest, as merely in-transit does not meet your PII requirements. Get granular field level control over your sensitive data with global visibility on policies for auditors

Multi-cluster, vendor agnostic

Have a unified security model enveloping all your existing Kafka clusters, regardless of their provider. Updates are global, no risk of inconsistency. Reversibility, all your security efforts are yours to keep, no need to rework if you change your vendor later on.

USED BY:



DevOps



Infrastructure Architects



Systems Architects

Secure your data without interruption

Enforce security measures centrally without disrupting, or waiting on, your product teams.

- * Federated Security
- * Language Agnostic
- * Multi-cluster Security Layer

Audit your Applications

Have visibility on all your Kafka activities in your enterprise in case of problems and for regulations purposes.

- * Audit Trail
- * Analysis Tools

Data encryption & Data obfuscation

Granular, field-level control over your sensitive data in transport and at rest. Global visibility of your data policies readily available for auditors.

- * Data Masking
- * Field-level E2E Encryption
- * Crypto Shredding
- * Federated Policies

Manage Authorizations at scale

ACLs are insufficient, Conduktor's RBAC model envelopes all your existing Kafka clusters regardless of their provider.

- * Single-Sign-On (SSO)
- * Role-Based Access Control (RBAC)
- * Multi-Cluster Auth
- * OAuth

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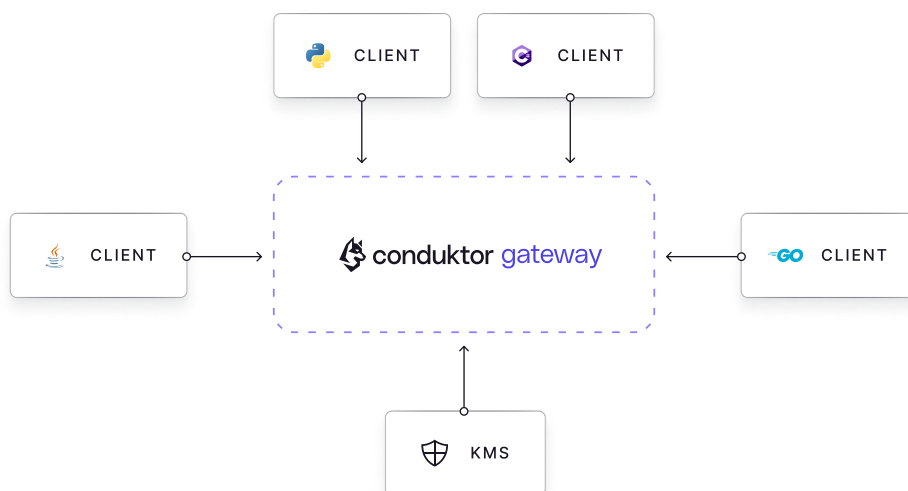
Conduktor Gateway is deployed between your Kafka and your clients. As it speaks the **Kafka protocol** there is minimal adjustments to your applications beyond a bootstrap server change.

Deployments

Scalable: A Docker image that can be deployed like any other within your containerisation setup, such as on Kubernetes or managed services.

Resilient: Like Kafka if a broker dies it can be restarted whilst Gateway keeps running. As Kafka protocol magic is at play your applications remain available.

Latency: By default GW is unnoticeable, it will add latency in the order of milliseconds. If you start to add heavier functionality, like encryption, there is naturally a small price to pay.



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