✕ conduktor

Govern your schemas the same way you govern your Kafka.

Conduktor's Schema Registry Proxy adds authentication, access controls, and audit logging to your schema registry without changing how your teams work.

Organizations have invested heavily in securing their Kafka infrastructure

with centralized identity providers, ACLs, and audit trails, but the schema registry is often left wide open. There's no native support for modern identity providers, no way to scope write access to team ownership, and no record of who changed what. The result is accidental breaking changes, security gaps, and compliance exposure that grow with every team you onboard.

01	02	03
Your schema registry has no modern authentication	**No way to scope schema access to ownership**	**No audit trail for schema operations**
Most schema registries are either wide open or limited to basic auth. No native support for your organization's identity provider.	A single accidental schema change can break downstream consumers, turning into a production incident that impacts revenue and SLAs.	Compliance teams can't demonstrate governance over data contracts when auditors or regulators ask.
Kafka has mature SASL/OAuth integration with your IdP, but the schema registry has no way to enforce the same policies.	No mechanism to map schema write permissions to team ownership. It's all-or-nothing access to the entire registry.	No centralized logging or tracing for schema registry operations, so there's no way to correlate a schema change with a downstream production issue.
Security reviews flag the gap, but closing it without custom engineering isn't straightforward.	Developers can't tell whether a schema they're editing is safe to change or depended on by other teams.	When something breaks, the first question is "what changed?" and nobody has the answer.

With Conduktor
The proxy validates JWT/OIDC tokens (Keycloak, Auth0, Okta, Azure AD) in front of your registry, so clients authenticate with the same IdP you use for Kafka.

With Conduktor
Read and Write permissions per schema subject with wildcard and prefix matching. Teams can only register or modify schemas for the subjects they own.
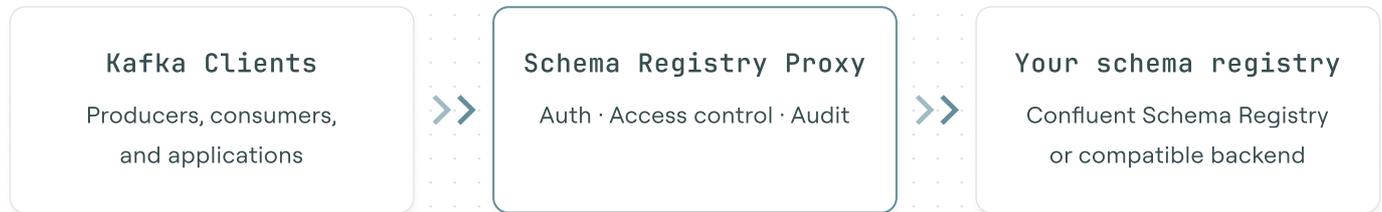
With Conduktor
Structured logging, distributed tracing (OpenTelemetry), and Prometheus metrics on every operation. When something breaks, you can trace it back to the schema change that caused it.

How it Works

A drop-in proxy that sits between your clients and your schema registry, adding authentication, authorization, and observability to every request.

Kafka Clients	Schema Registry Proxy	Your schema registry
Producers, consumers, and applications	Auth · Access control · Audit	Confluent Schema Registry or compatible backend

01
Point clients at the proxy instead of the registry

02
Every request is authenticated and authorized

03
Permitted requests pass through to the registry

Pluggable Authentication

Connects to your existing identity provider via JWT/ OIDC (Keycloak, Auth0, Okta, Azure AD, and others). Use the same IdP you already run for Kafka, so there's no new identity infrastructure to deploy or maintain.

Flexible Permission Model

Read and Write permissions per schema subject, with support for exact match, wildcard (*), and prefix matching (e.g., "payments-*"). Permissions are managed dynamically via Kafka, so changes take effect without restarts.

Confluent SR API-Compatible

The proxy supports the core schema registry endpoints used by Kafka producers and consumers for serialization and deserialization. Change your client's registry URL and everything works: no code changes, no migration.

Built-In Observability

Every schema registry operation is traced (OpenTelemetry), metered (Prometheus), and logged (structured JSON). Correlate schema changes with downstream impact across your Kafka environment.

FOR CONFLUENT PLATFORM CUSTOMERS

Upgrading from Confluent Platform pre-8.0?

Confluent Platform 8.0 requires KRaft mode, which is incompatible with the Topic ACL Authorizer many teams relied on for schema-level access control. Upgrading means choosing between staying on an aging platform or purchasing Confluent Enterprise licensing for the Schema Registry Security Plugin. Conduktor's Schema Registry Proxy gives you a third option: upgrade to CP 8.0+ and keep granular schema access control, without Confluent Enterprise licensing.

Ready to consolidate and optimize your Kafka estate?

Watch a 5 minute demo to see how Conduktor reduces infrastructure costs and accelerates migration.

Book a Demo