CONFLUENT PLATFORM

Multi-language development

Confluent Platform makes it easier for developers to leverage event streaming by providing multi-language development tools to build producers and consumers for Apache Kafka®.

Make Kafka widely accessible to developers

Connect any application to Kafka

Simplify admin operations for Kafka

Why multi-language development?

To send and retrieve data to and from Kafka, you need a Kafka client library to build producers and consumers and to run administrative tasks for your cluster. The challenge with open source Apache Kafka is that, currently, the project maintains only one client for the Java programming language. While Java is a popular language, relying on a single client limits how much your organization can truly leverage event streaming, particularly if many developers prefer other programming languages. Several open source clients built by the Kafka community exist for other programming languages, but they are not maintained by the Apache Kafka project.

Confluent Platform offers multiple options to build applications in a variety of programming languages and to connect existing applications using a RESTful interface.

Features

Non-Java Clients

Battle-tested clients for C/C++, Go, Python, and .NET to write Kafka producers and consumers and run administrative functions. These clients are fully open-sourced and are consistently maintained to ensure their continued high performance.

REST Proxy

Confluent provides a RESTful interface to your Kafka cluster, making it easy for your HTTP-connected applications to produce and consume messages without needing to use Kafka clients.

Admin REST APIs

Admin REST APIs enable you to perform the same administrative operations as the Confluent clients, Confluent CLI, or Control Center through REST, providing greater flexibility in how you manage your cluster.

> "The integration of Kafka with our C++ world was straightforward to implement via the API and library. From the start of this large project, it was easy to see that Kafka was the right choice for us."
>
> Phillipe Pujalte | Infrastructure and Operations Director, Euronext

Solution

Make Kafka widely accessible to developers

Support for popular programming languages

Enable more developers to build more event streaming applications by providing a number of programming options beyond Java. Write producers and consumers for your Kafka cluster in C/C++, Go, Python, and .NET.

Standardized development on Kafka

Standardize all your application development on Kafka and enable a microservices architecture throughout your organization by leveraging the compatibility of Confluent Platform with a broad set of programming languages.

Connect any application to Kafka

RESTful interface to Kafka

Enable any HTTP-connected application to produce to and consume from your Kafka cluster with REST Proxy. This is particularly useful for your legacy applications written in languages without a supported Kafka client.

Access for third-party applications

Allow third-party applications from your key partner organizations to produce and consume messages to and from Kafka without any risk to the security of your cluster. REST Proxy can be used in combination with applications designed to work with HTTP such as API gateways.

Standardized communication on REST

More and more enterprises are choosing to standardize all communication between applications on REST. REST Proxy helps you meet this organizational requirement without impacting your developers' productivity with Kafka.

Simplify admin operations for Kafka

Manage Kafka through REST

Perform a comprehensive set of administrative operations through REST APIs, including:

• Describe, list, and configure brokers

• Create, delete, describe, list, and configure topics

• Delete, describe, and list consumer groups

• Create, delete, describe, and list ACLs

• List partition reassignments

Confluent Platform. Enterprise event streaming platform built by the original creators of Apache Kafka. For more information, please visit **confluent.io**. To contact us, visit **confluent.io/contact**. For detailed product specifications, please refer to our **documentation**.