





Cluster links

Stream shares

# **Environments**

+ Add cloud environment

# default

0 clusters

### Recommended



### Produce sample data

Set up the Datagen Connector to produce sample events.

Get started



# Understand user behavior with clickstream data

Measure key statistics on visitor activity using ksqlDB.

<u>Launch recipe</u>



### Detect unusual credit card activity

Use ksqIDB to flag possible cases of credit card theft.

<u>Launch recipe</u>

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Clusters Network management

A Kafka cluster consists of one or more servers (Kafka brokers) running Kafka. Within these brokers, are Kafka topics that hold data that is being produced and consumed. In order to get started with using your data and all the services Confluent Cloud has to offer, the first step is to create the cluster your topics (in other words, data) will live inside.

Get started with tutorial

Create cluster on my own

### default

ID: env-zgwod3

Stream Governance

Enable Stream Gover
Registry, Stream Cata

--

Schemas

Schema Registry and St



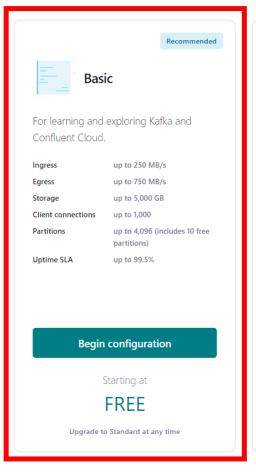


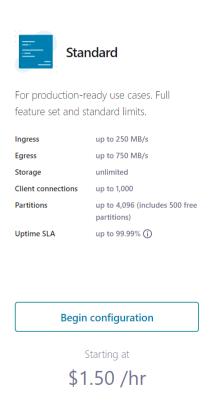
Cluster links

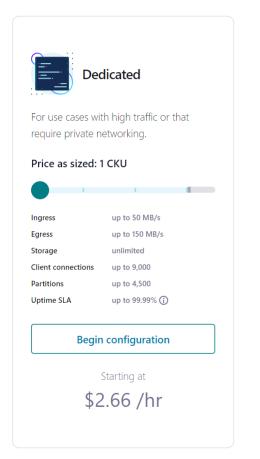
Stream shares

## **Create cluster**

1. Select cluster type • • • • •















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Cluster links

Stream shares

# **Create cluster**

1. Select cluster type —— 2. Region/zones 3. Set payment 4. Review and launch

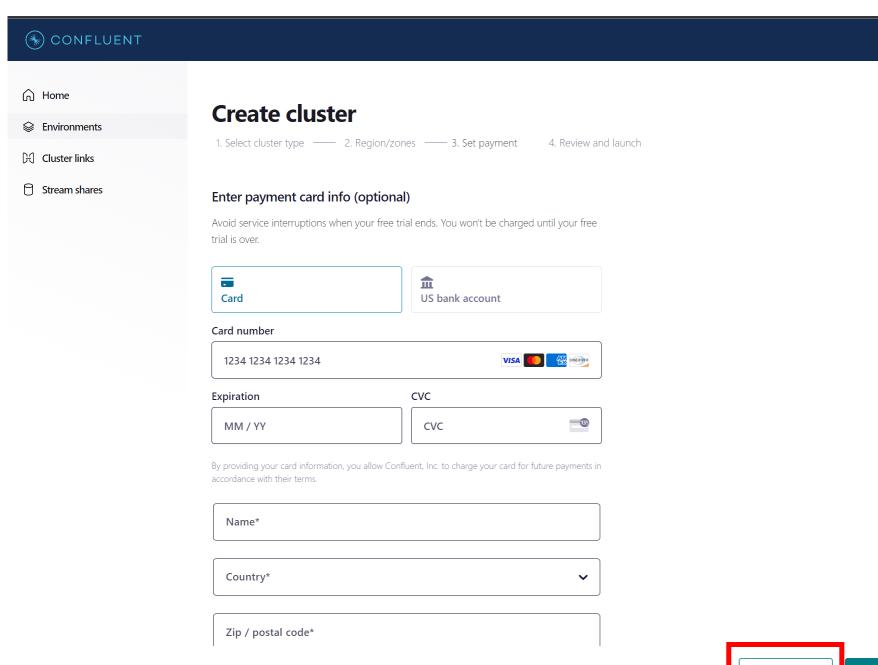


Microsoft
Azure





Continue



LEARN

Review

**Section** Section Sec

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## **Create cluster**

1. Select cluster type — 2. Region/zones — 3. Set payment — 4. Review and launch

Cluster name ① –cluster\_0

Base cost

\$0 /hr

Write Read \$0.132 /GB

Storage

\$0.132 /GB \$0.00016667 /GB-hour

Partitions

\$0.0048 /Partition-hour (includes 10 free partitions)

**Configuration & cost** 

**Usage limits** 

Uptime SLA

### **Cluster configuration**

• Settings marked with an asterisk (\*) cannot be changed once you launch your cluster

Cluster type

Basic

\*Provider

Google Cloud Platform

\*Region

asia-south1

\*Networking

Internet

Go back

Launch cluster

Flameshot



HOME > ENVIRONMENTS > DEFAULT > KAFKA\_PRACTISE\_CLUSTER >



Networking

API Keys

Cluster Settings

Stream Lineage

🗞 ksqlDB

& Connectors

**♦** Clients

⊞ Schema Registry

# **API keys**

An API key consists of a key and a secret. Kafka API keys are required to interact with Kafka clusters in Confluent Cloud. Each Kafka API key is valid for a specific Kafka cluster. To grant API access for this Cloud organization, go here.

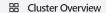
Learn more Create key



CLI and Tools



 ${\sf HOME} \ \rightarrow \ {\sf ENVIRONMENTS} \ \rightarrow \ {\sf DEFAULT} \ \rightarrow \ {\sf KAFKA\_PRACTISE\_CLUSTER} \ \rightarrow \ {\sf API} \ {\sf KEYS} \ \rightarrow$ 



Dashboard

Networking

### API Keys

Cluster Settings

- Stream Lineage
- Stream Designer
- 🔯 ksqlDB
- & Connectors
- **♦** Clients

# **Create key**

1. Access control • • • • •

## Select scope for API key



### Global access

Allow your API key to access everything you can access. Key access will be linked to your account.

\*Recommended for development.



### **Granular access**

Limit the access for your API key. Manage your API key's access through a service account.

\*Recommended for production.

Next

Cancel

CLI and Tools



HOME > ENVIRONMENTS > DEFAULT > KAFKA\_PRACTISE\_CLUSTER > API KEYS >



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□ Topics

🗞 ksqlDB

& Connectors

**♦** Clients

# **Create key**

1. Access control 2. Get your API key

Use this API key to connect with the cluster. Store the API key and secret below somewhere safe. This is the only time you'll see the secret.

These credentials can take up to one minute to propagate.



Description

Download and continue

CLI and Tools



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#### □ Cluster Overview

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Stream Designer

□ Topics

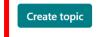
🗞 ksqlDB

& Connectors

**❷** Clients

# **Topics**

A Topic is a category/feed name to which records are stored and published. All Kafka records are organized into topics. Producer applications write data to topics and consumer applications read from topics. Records published to the cluster stay in the cluster until a configurable retention period has passed by.



### Resources



#### Get started with Confluent Cloud

Walk through the basic building blocks of Confluent Cloud and learn how to create resources like topics and api keys.

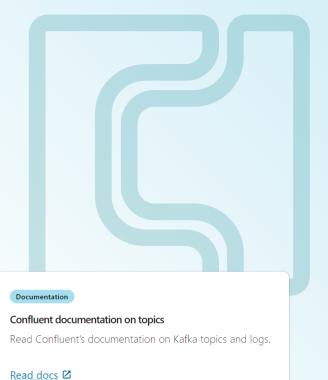
Start tutorial



### Apache Kafka 101: Topics

Watch a video on how you can store and organize your events in a kafka topic.

Watch video 🗹



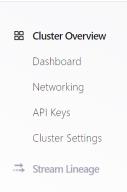
CLI and Tools







 $\mbox{HOME} \rightarrow \mbox{ENVIRONMENTS} \rightarrow \mbox{Default} \rightarrow \mbox{KAFKA\_PRACTISE\_CLUSTER} \rightarrow \mbox{TOPICS} \rightarrow$ 



□ Topics

Stream Designer

🗞 ksqlDB

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Support

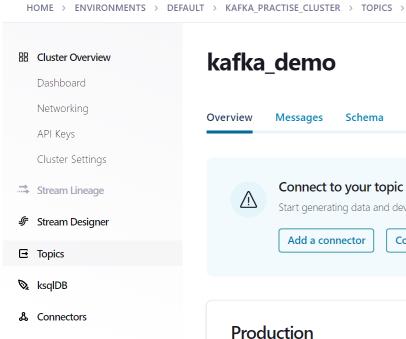
# **New topic**

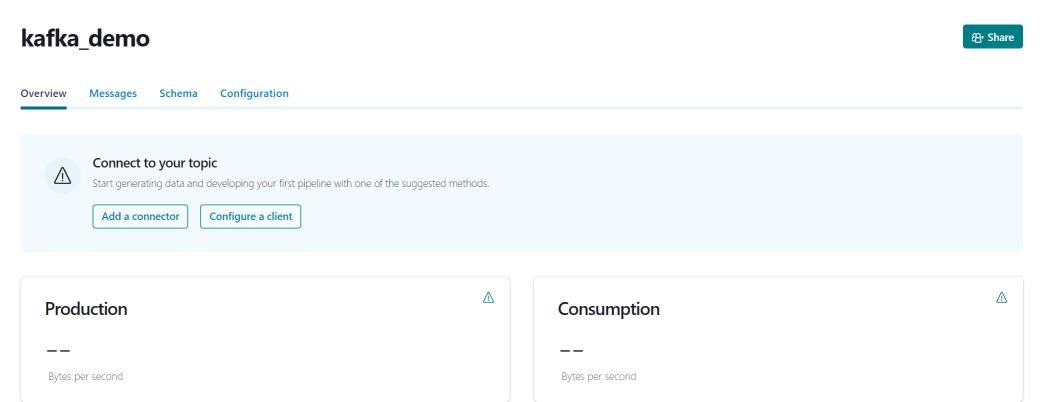
General	
Topic name* ① — topic_0	— Partitions* ① — 6
Storage	
Cleanup policy ① ———————————————————————————————————	•
Retention time ①  1 week	Retention size ① Infinite
Message size  Maximum message size in bytes @	
2097164 bytes	<u></u>
Other Settings	
cluster	<b>₾</b> KAFKA_PRACTISE_CLUSTER
replication.factor	₾ 3
min.insync.replicas	₾ 2
compression.type	<b>∆</b> producer
default.replication.factor	<b>₾</b> 3





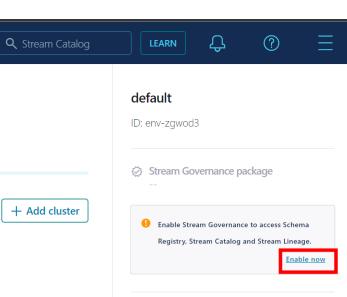








**❷** Clients





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Cluster links

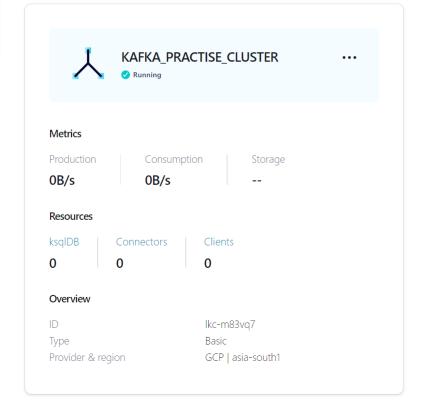
Stream shares

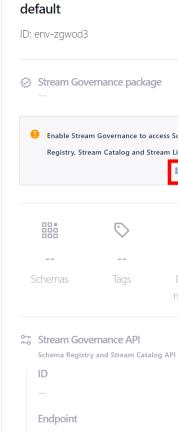


Network management

**Q** Search cluster name or id

## Live (1)





Credentials

 $\bigcirc$ 

metadata



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Cluster links

Stream shares

### **Stream Governance Packages**

Confluent's Stream Governance suite establishes trust in the data streams moving throughout your cloud environments and delivers an easy, self-service experience for more teams to discover, understand, and put streaming data to work.



### Essentials

The fundamentals for getting started.

#### Stream Quality

Schema Registry & validation

- 99.5% uptime SLA
- 1.000 schemas included\*
- 9 cloud regions supported

#### Stream Catalog

Data organization & discoverability

- Auto-technical metadata ingestion
- Tags metadata
- Cloud UI & REST API

#### Stream Lineage

Data origin & tracking

· Real-time data streams lineage

\*Starting at \$0.002/schema/hour after 1,000 schemas per environment

### Begin configuration

Starting at

FREE

Upgrade to Advanced at any time



### Advanced

Enterprise-ready controls for data in

#### Stream Quality

Schema Registry & validation

- 99.95% uptime SLA
- 20,000 schemas included
- · 31 cloud regions supported

#### Stream Catalog

Data organization & discoverability

- All existing Essentials features +
- Business metadata
- GraphQL API

#### Stream Lineage

Data origin & tracking

- · All existing Essentials features +
- · Point-in-time lineage
- Lineage search

### Begin configuration

Starting at

\$1/hr

The full Stream Governance feature set







Cluster links

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## **Enable Stream Governance Essentials**

Select the cloud provider and region where you want the environment Schema Registry and Stream Catalog to run and metadata to be stored. <u>Learn more</u> &

The cloud provider and region cannot be changed once you enable the environment package.





Region\*
Sydney (australia-southe...











Environments

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## default

Network management Clusters

Q Search cluster name or id

### Live (1)



### default

+ Add cluster

ID: env-zgwod3



Stream Governance package

Essentials Upgrade now

Google Cloud Platform | australia-southeast1



Stream Governance API

Schema Registry and Stream Catalog API

ID

Isrc-w59785



If you're just getting started, see some usage examples.

Credentials

⊕ Add key













Cluster links

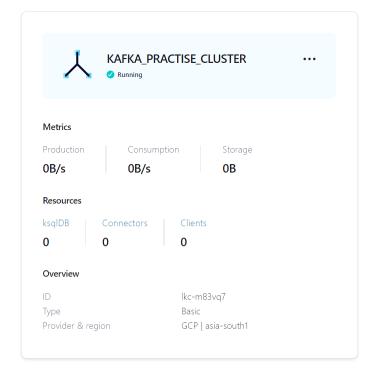
Stream shares

## default

Clusters **Network management** 

Q Search cluster name or id

### Live (1)



### default

+ Add cluster

ID: env-zgwod3



Stream Governance package

Essentials Upgrade now

Google Cloud Platform | australia-southeast1



### Stream Governance API

Schema Registry and Stream Catalog API

ID

Isrc-w59785

**Endpoint** 

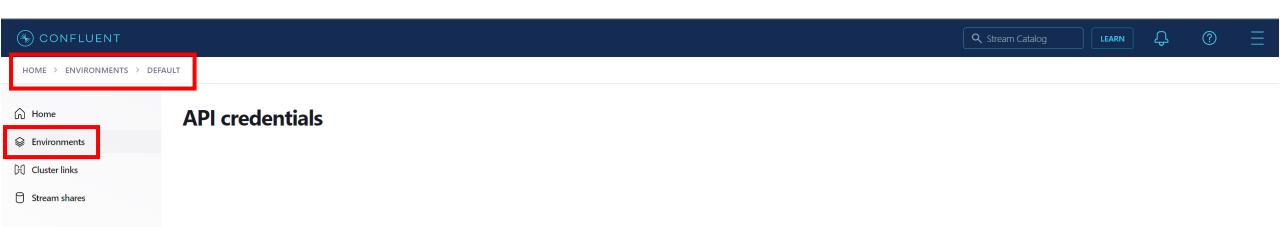
If you're just getting started, see some usage examples.

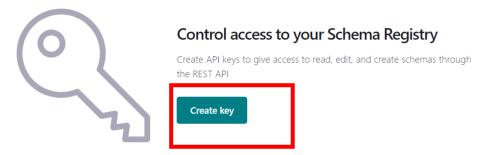
Credentials





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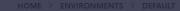














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## **API credentials**

