Kafka Connect

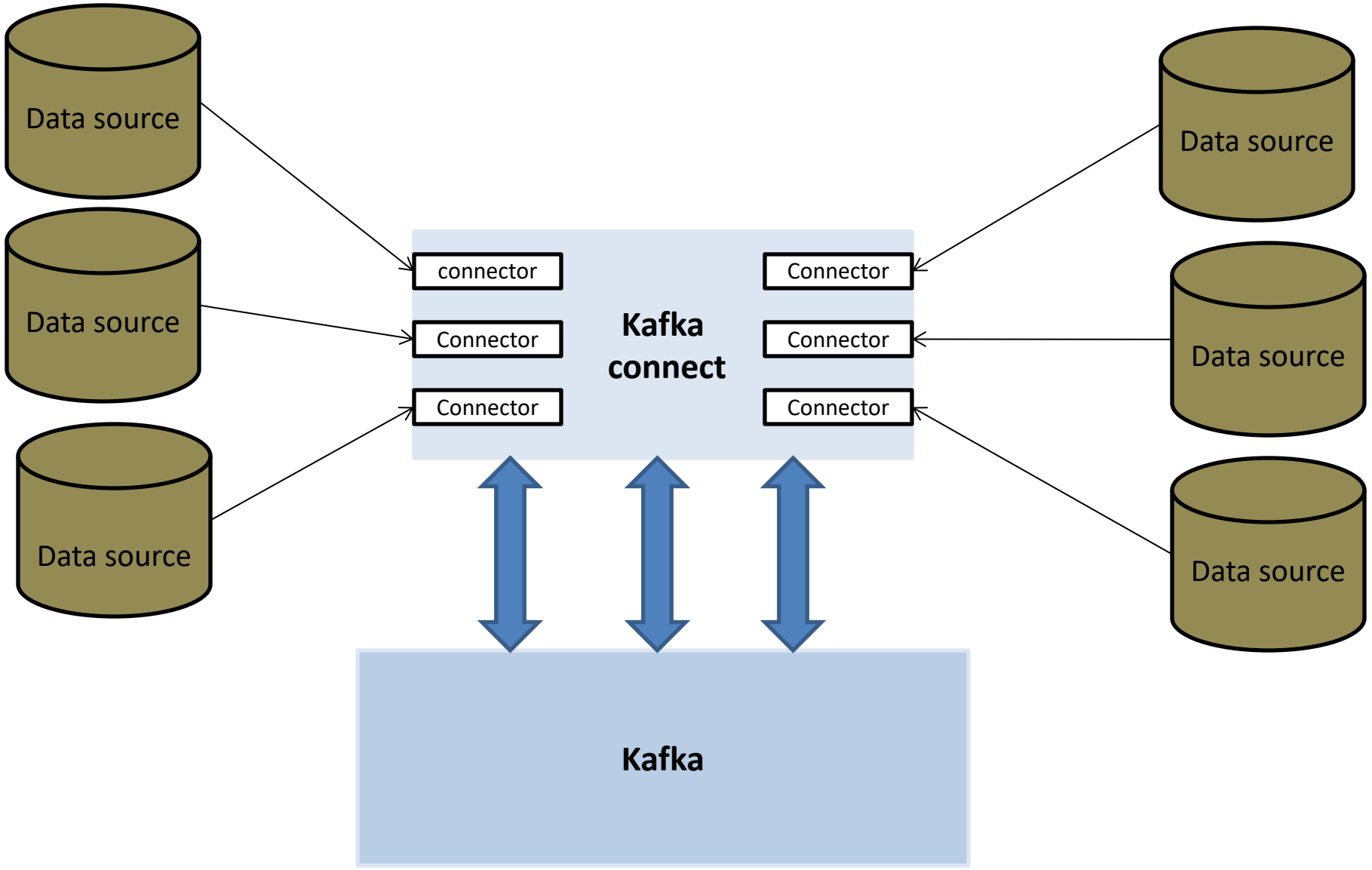
Kafka Connect

Tos

Simplified, scalable data import/export for Kafka

Kafka Connect : Source & Sink Connectors

Tos

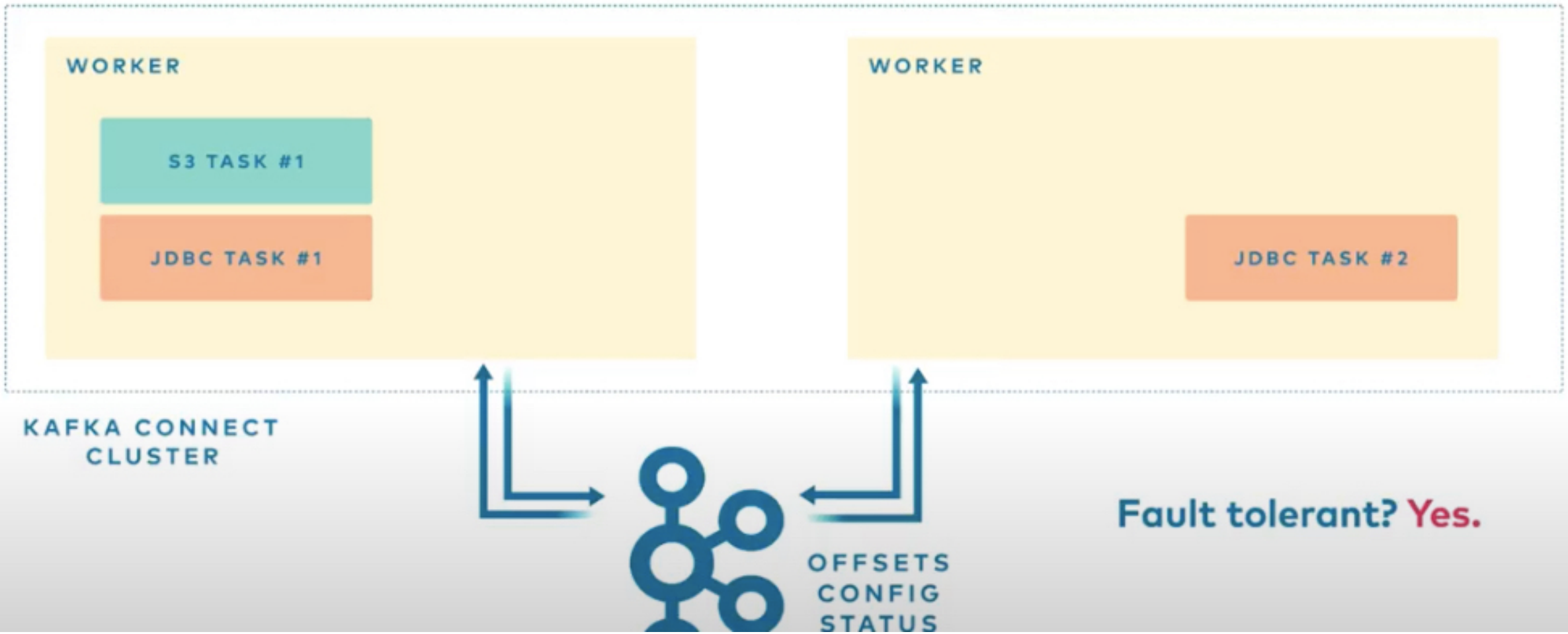


Connectors and Tasks

Kafka Connect Standalone Worker

Fault-tolerant? No.

Scaling the Distributed Worker



Fault tolerant? Yes.

Configuring Kafka Connect Workers : Core Settings

Tos

These parameters define the worker connection to the Kafka cluster.
See docs.confluent.io for a comprehensive list.

Parameter	Description
bootstrap.severs	A list of host/port pairs to use for establishing the initial connection to the Kafka Cluster.
Key.converter	Converter class for key connect data.
value.converter	Converter class for value connect data

Running in standalone mode

Tos

- Starting Connect in standalone mode involves starting a process with one or more connect configurations:

  - ***Connect-standalone worker.properties connector1.properties [connector2.properties connector3.properties ...]***

- Each connector instance will be run in its own thread.

- Configuration will be covered later.

Running in distributed mode

Tos

- Starting Connect in distributed mode involves starting connect on each worker node with the following:

  connect-distributed worker.properties

- Connectors are then added, modified, and deleted via a REST API.
  Configuration will be covered later.

Kafka Connect: Basic REST API

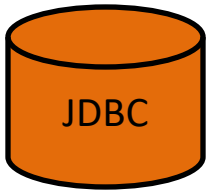
Tos

Method	Path	Description
GET	/connectors	Get a list of active connectors.
POST	/connectors	Create a new connector
PUT	/connectors/(string:name)/config	Create a new connector, or update the configuration of an existing connector
GET	/connectors/(string: name)/config	Get configuration info for a connector.
GET	/connectors/(string: name)/tasks/<tasks-id>/status	Retrieve details for specific tasks
DELETE	/connectors/(string:name)	Delete a configured connector from the worker pool

Kafka Connectors

Tos

- Confluent-supported connectors (included in Confluent Platform)



- Community-written connectors (just a sampling)

Lab : Kafka Connector – File connector