

Transferring Data with Kafka Connect



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Why Kafka Connect?

Code Reuse



A Tale of Two Companies



Kafka Cluster



PostgreSQL



Kafka Cluster



MySQL



A Tale of Two Companies



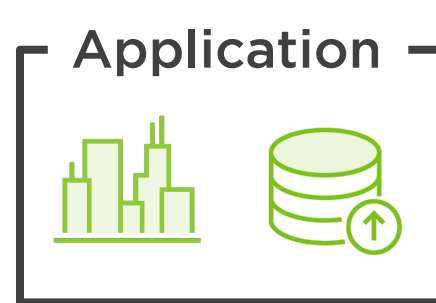
Kafka Cluster



PostgreSQL



Kafka Cluster



MySQL



Limited Number of Technologies

MongoDB

Neo4J

ElasticSearch

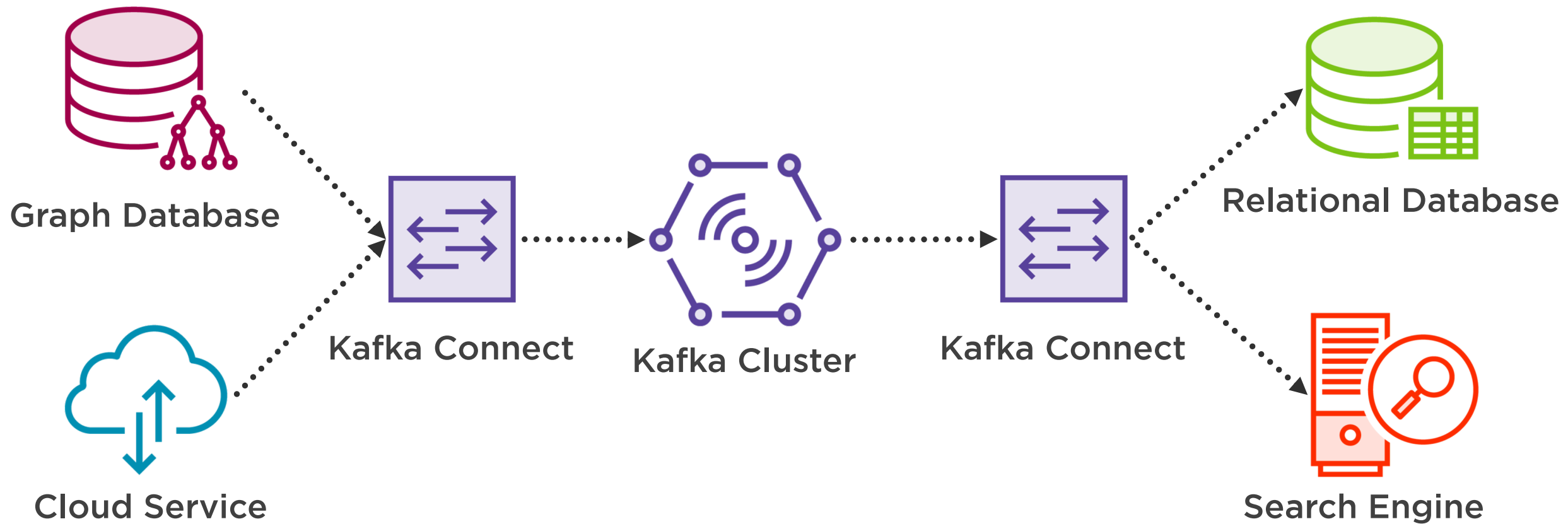
Solr

AWS S3

Twitter



Kafka Connect



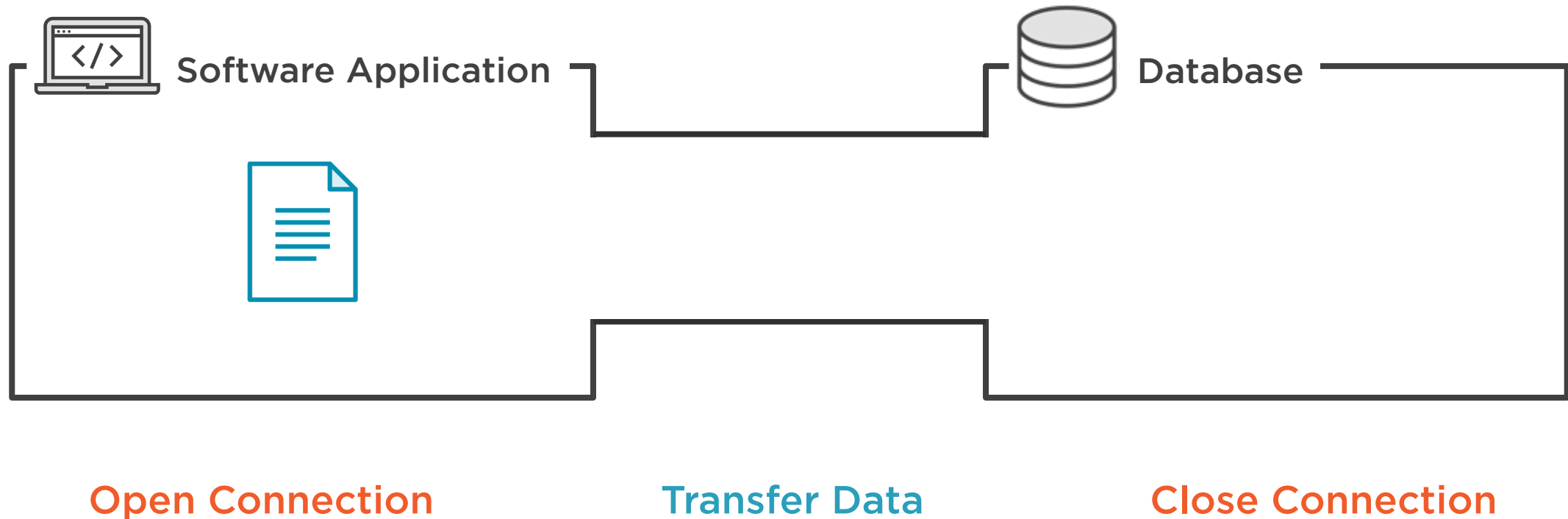
Why Kafka Connect?

Code Reuse

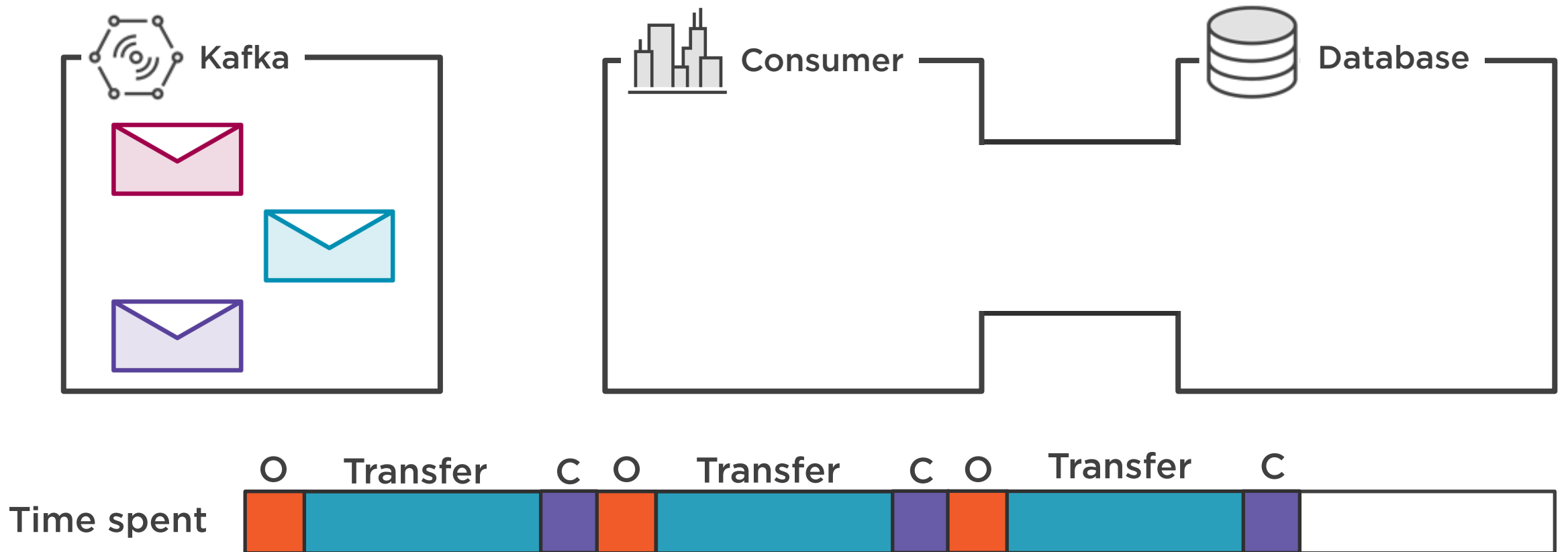
**Avoid reinventing
the wheel**



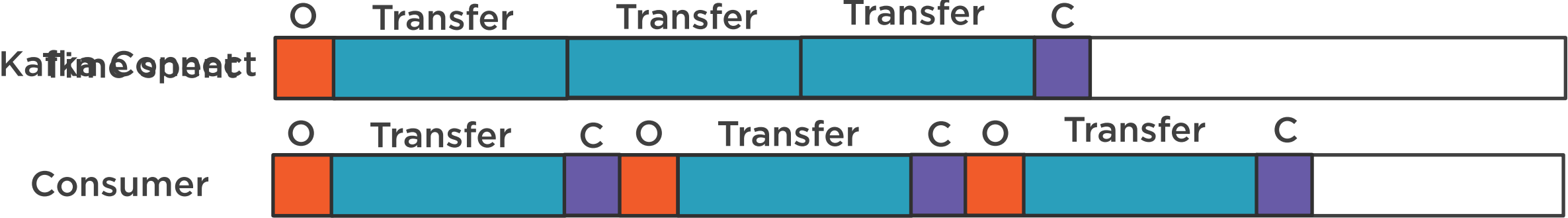
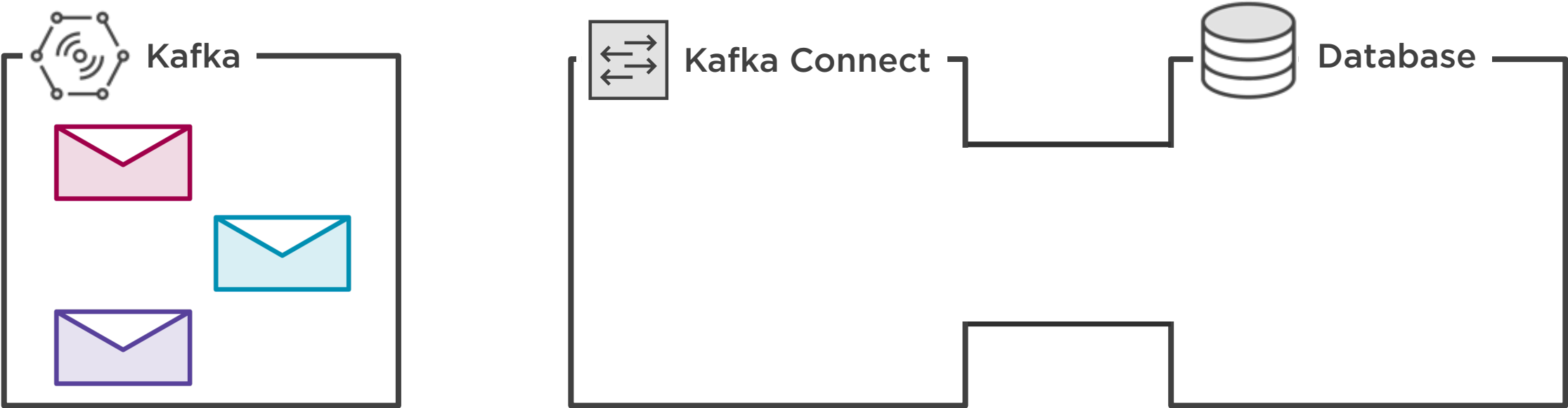
Connecting to a Database



Transferring Data to a Database



Transferring Data to a Database



Why Kafka Connect?

Code Reuse

**Avoid reinventing
the wheel**

Scalability

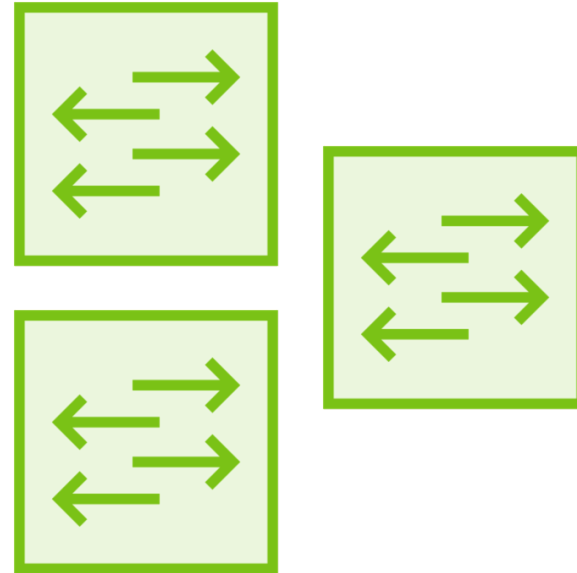


Scalability



Standalone

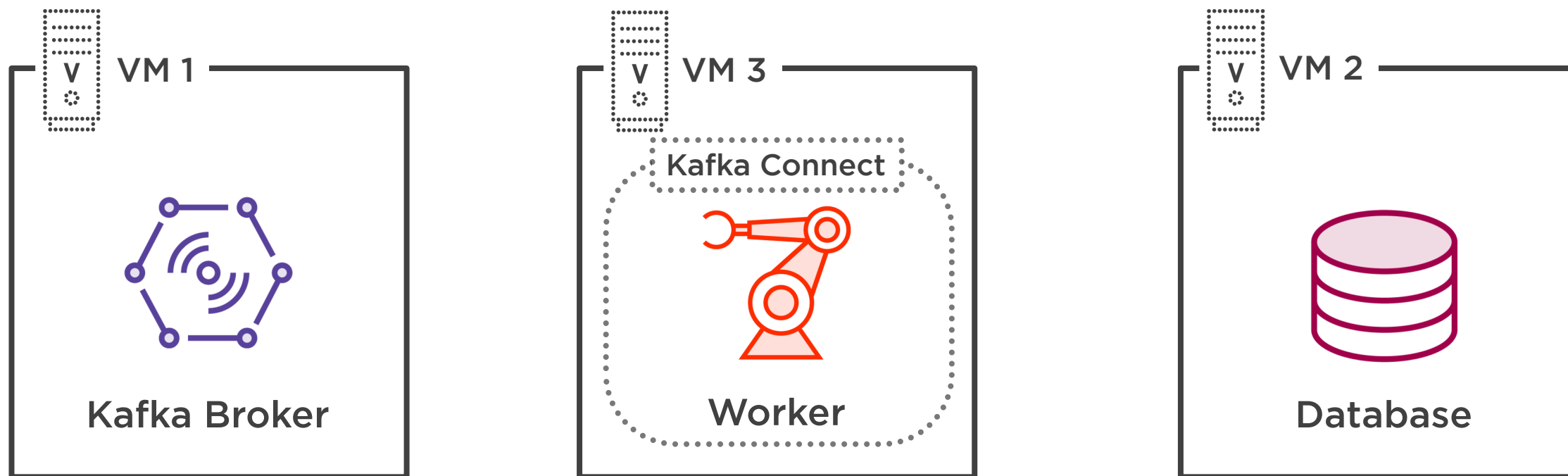
A single instance of
Kafka Connect



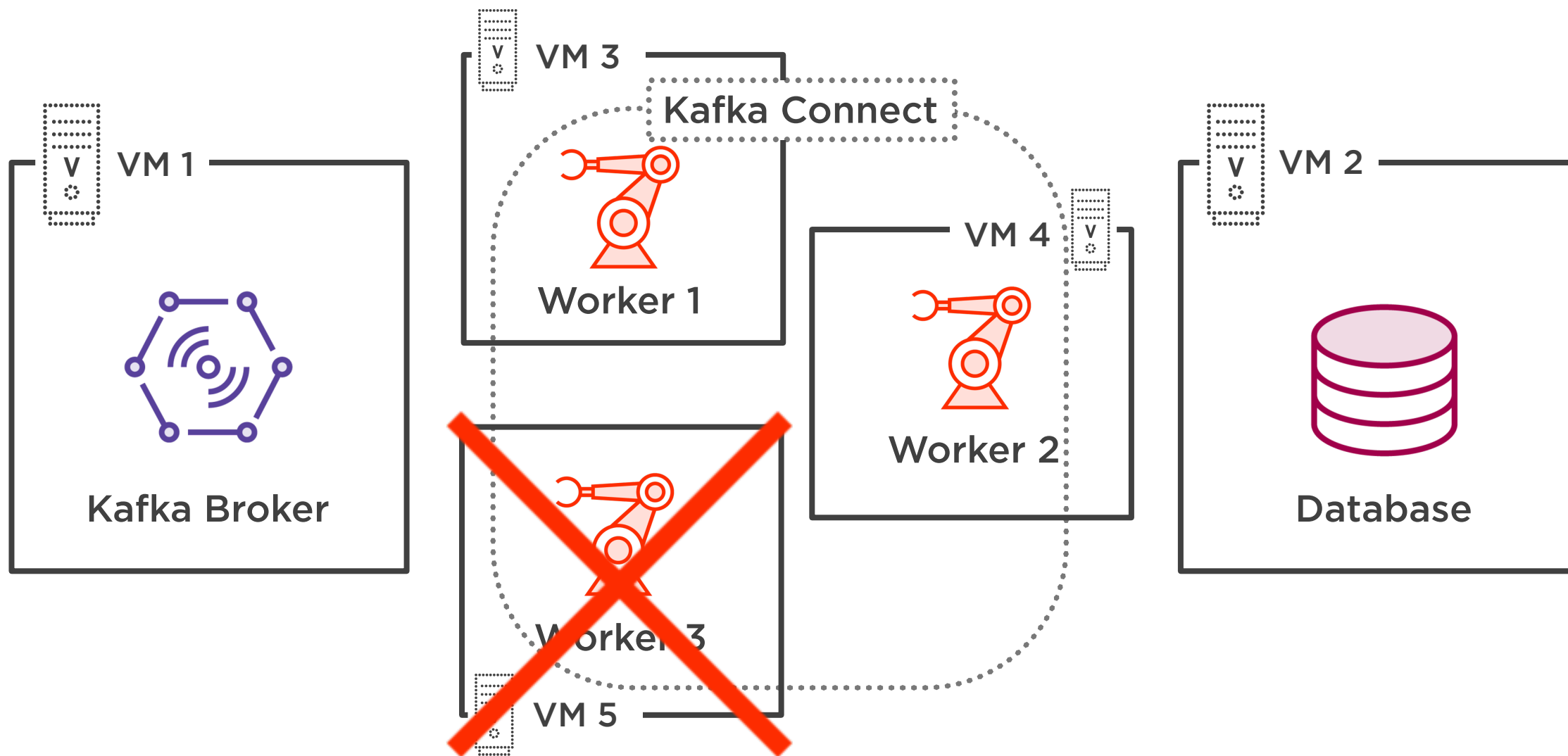
Distributed

Multiple instances on
separate machines

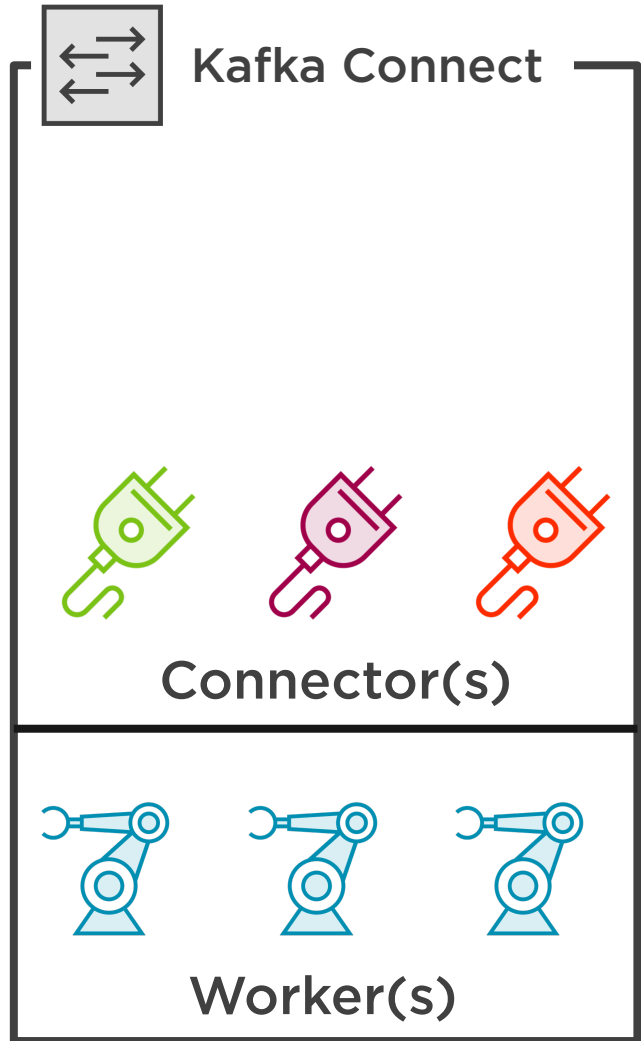
Kafka Connect Architecture



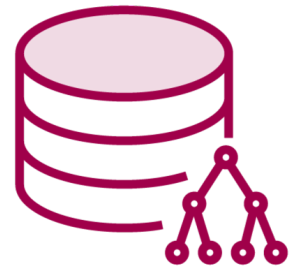
Kafka Connect Architecture



Kafka Connect Architecture



Relational Database



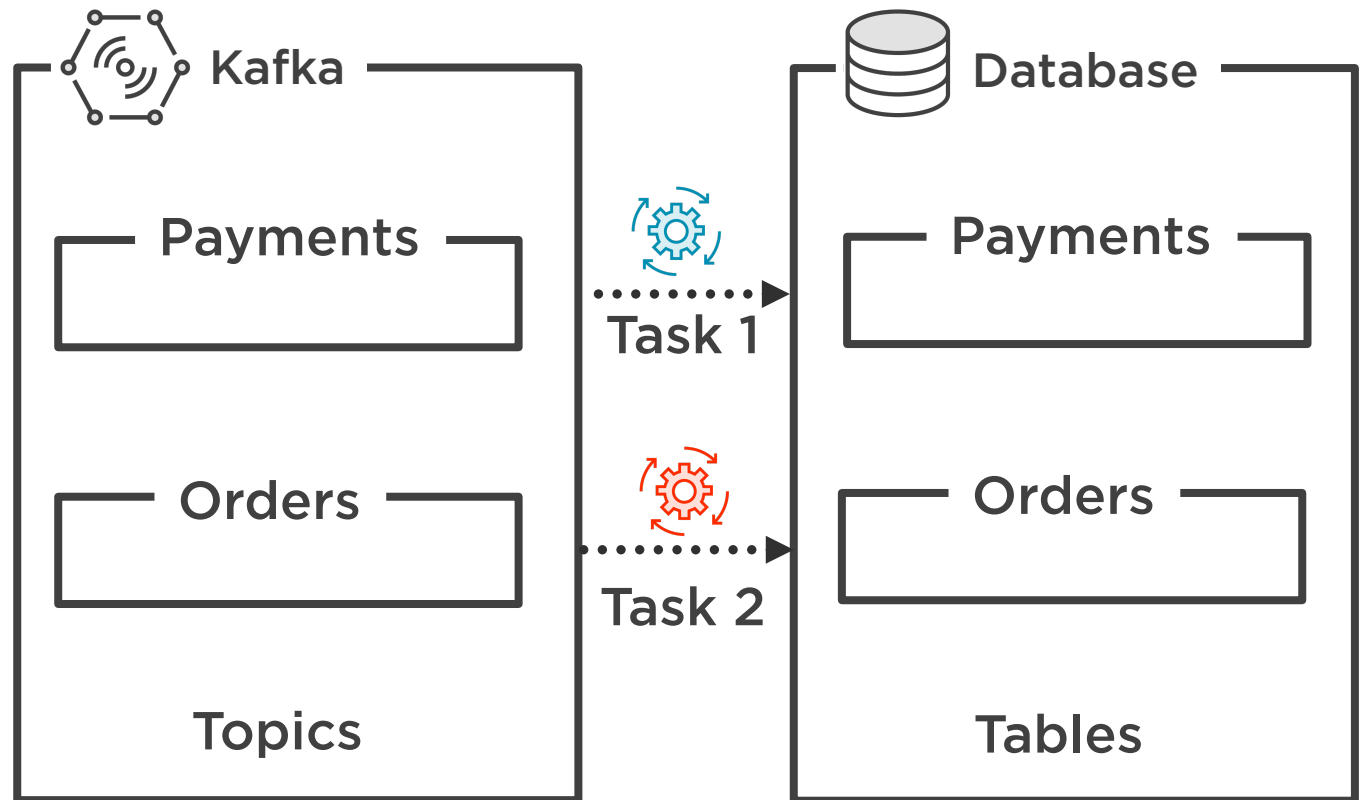
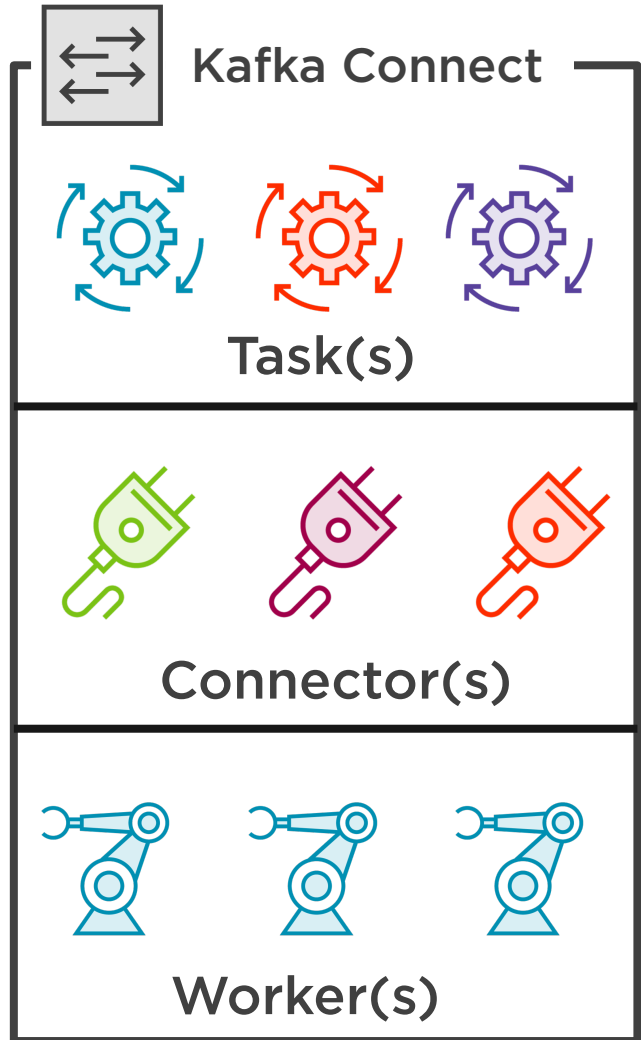
Graph Database



Search Engine



Kafka Connect Architecture



Connectors



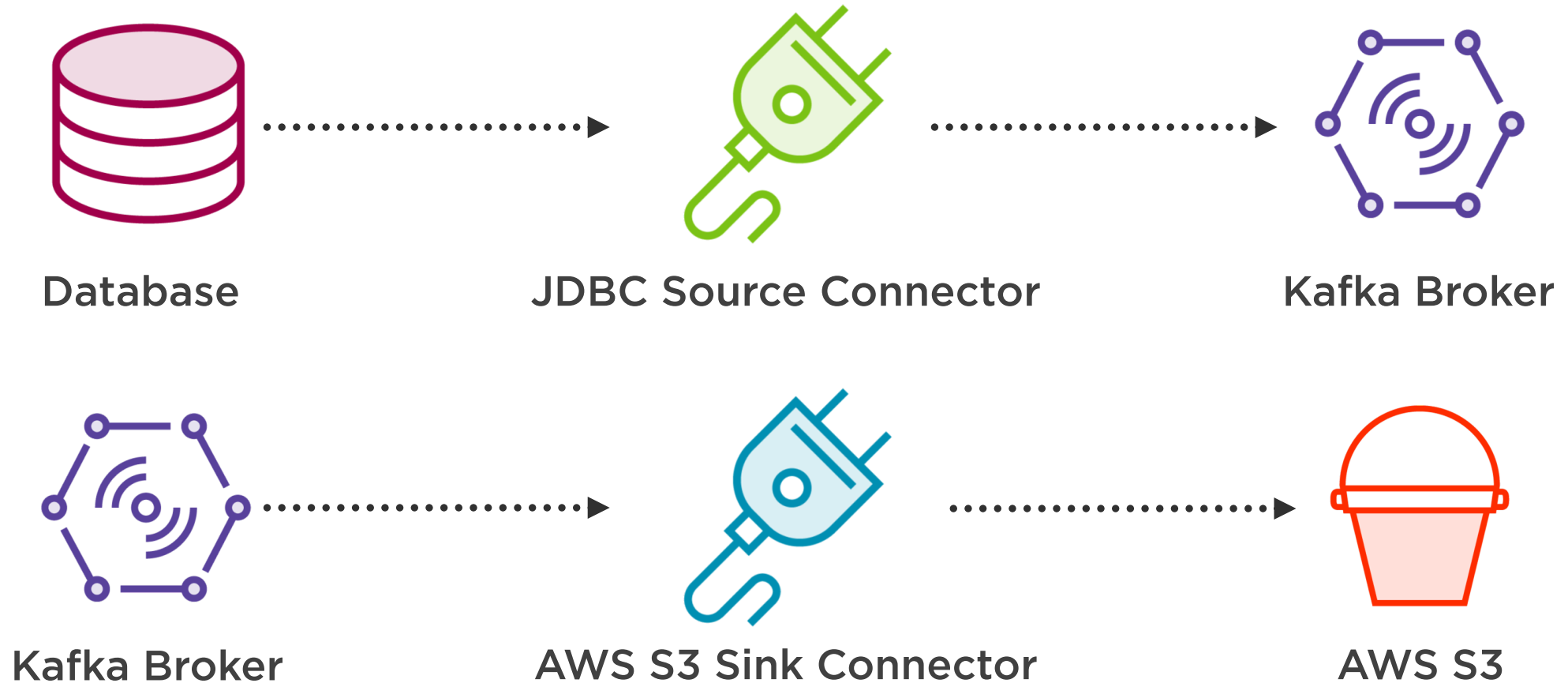
Source Connectors
Transfer data
from a Source to Kafka



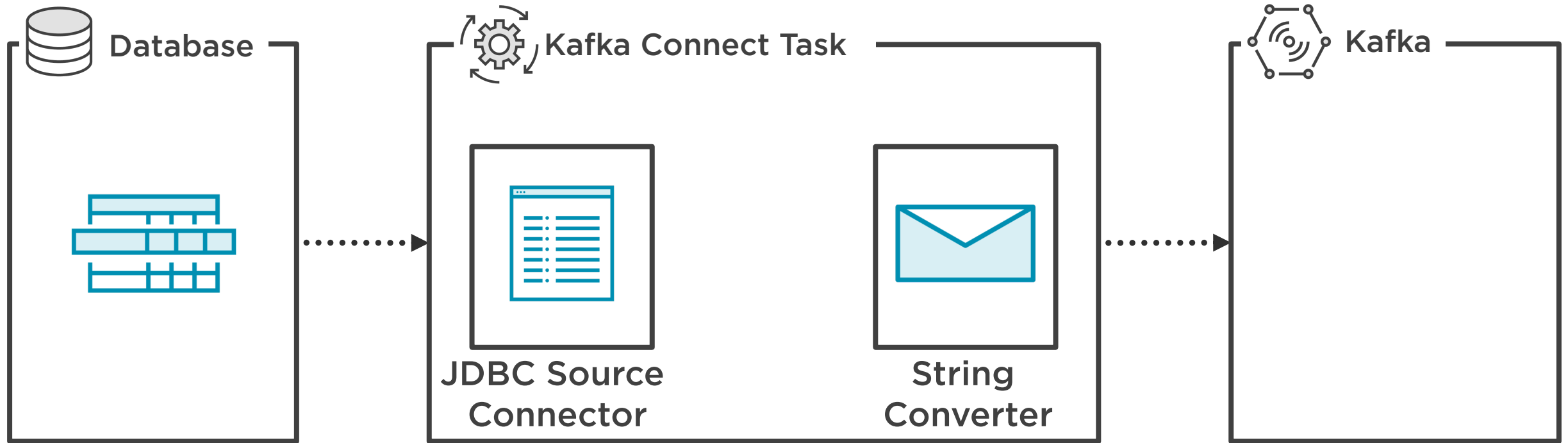
Sink Connectors
Transfer data
from Kafka to a Sink



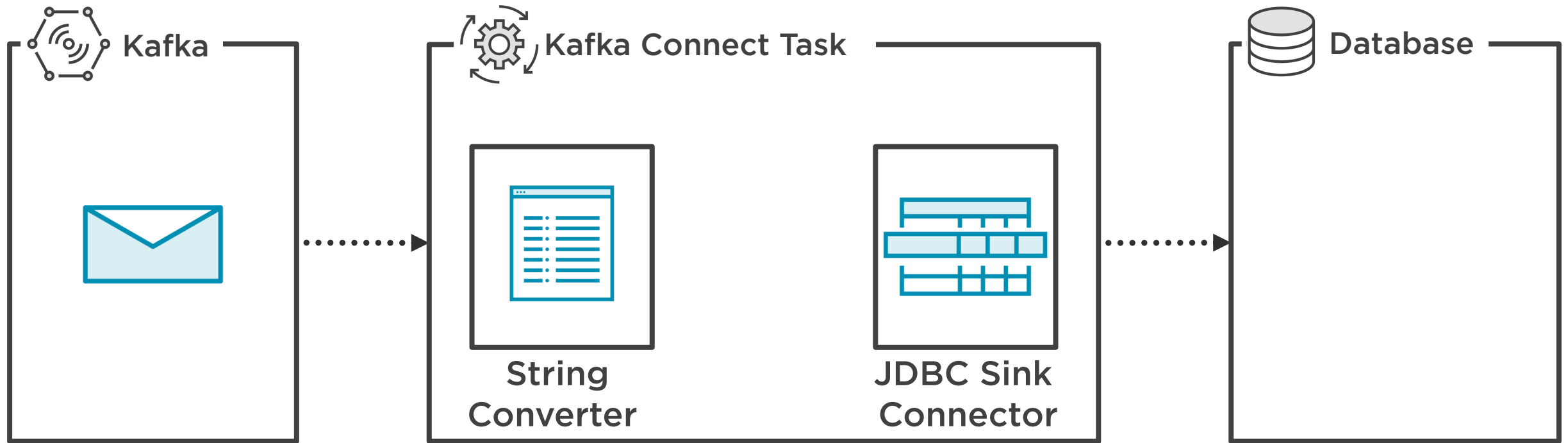
Connectors



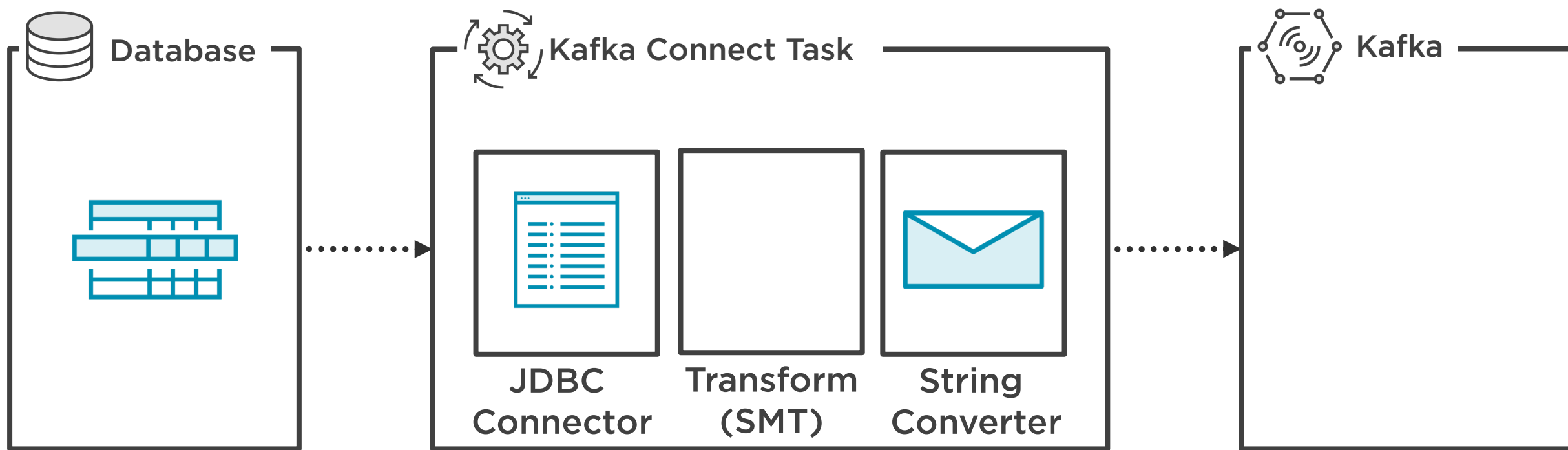
Converters



Converters



Transforms



SMT - Simple Message Transforms



Demo



Kafka Connect in action

JDBC Sink Connector

Prerequisites:

- MySQL DB
- bit.ly/mysql-jdbc-connector
- bit.ly/mysql-driver



Summary



Why Kafka Connect?

How it works

Capabilities

