

# #PuzzleKafka

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**PUZZLE ITC**

changing IT for the better



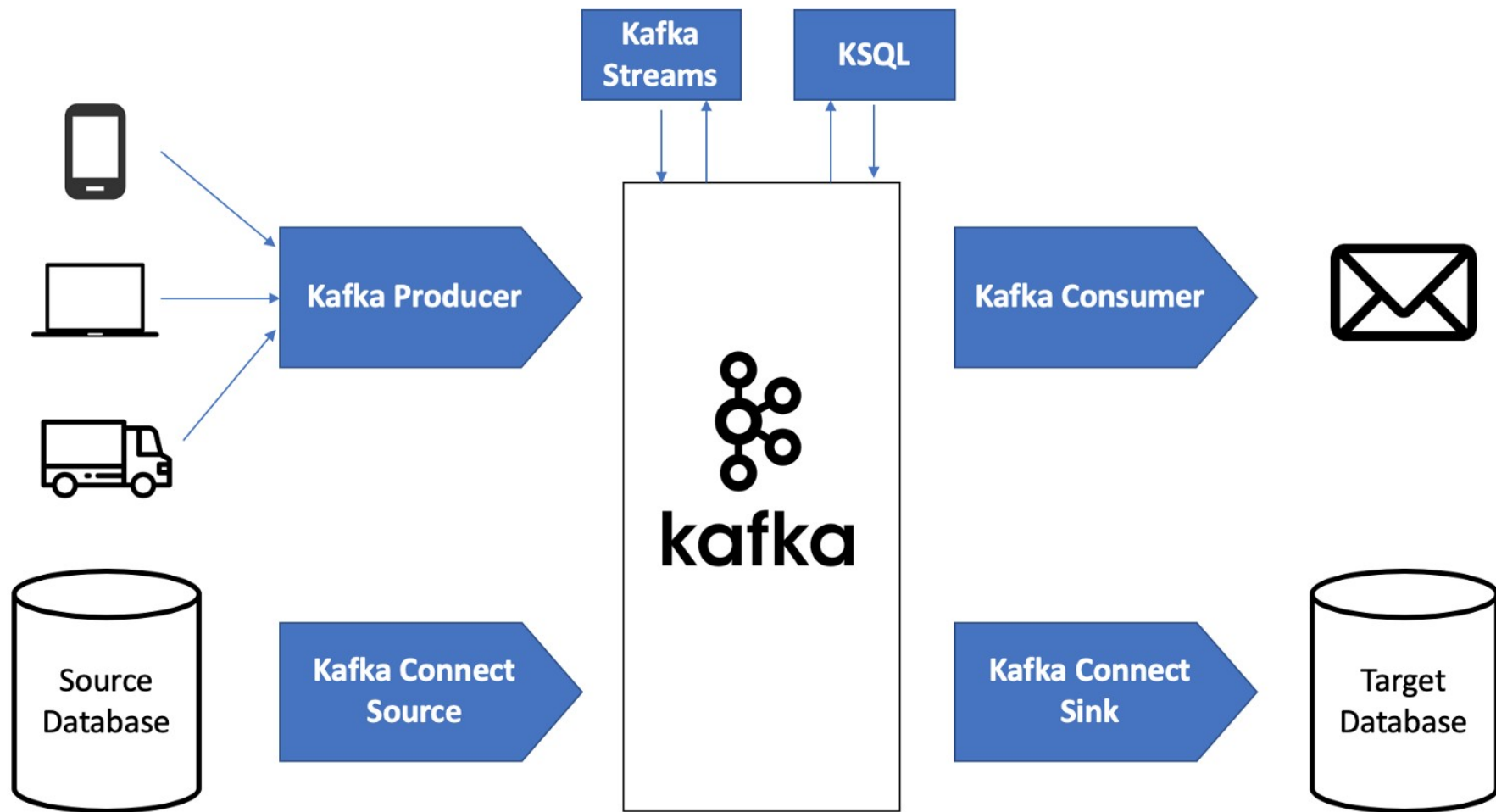
# Kafka TechConsulting Team

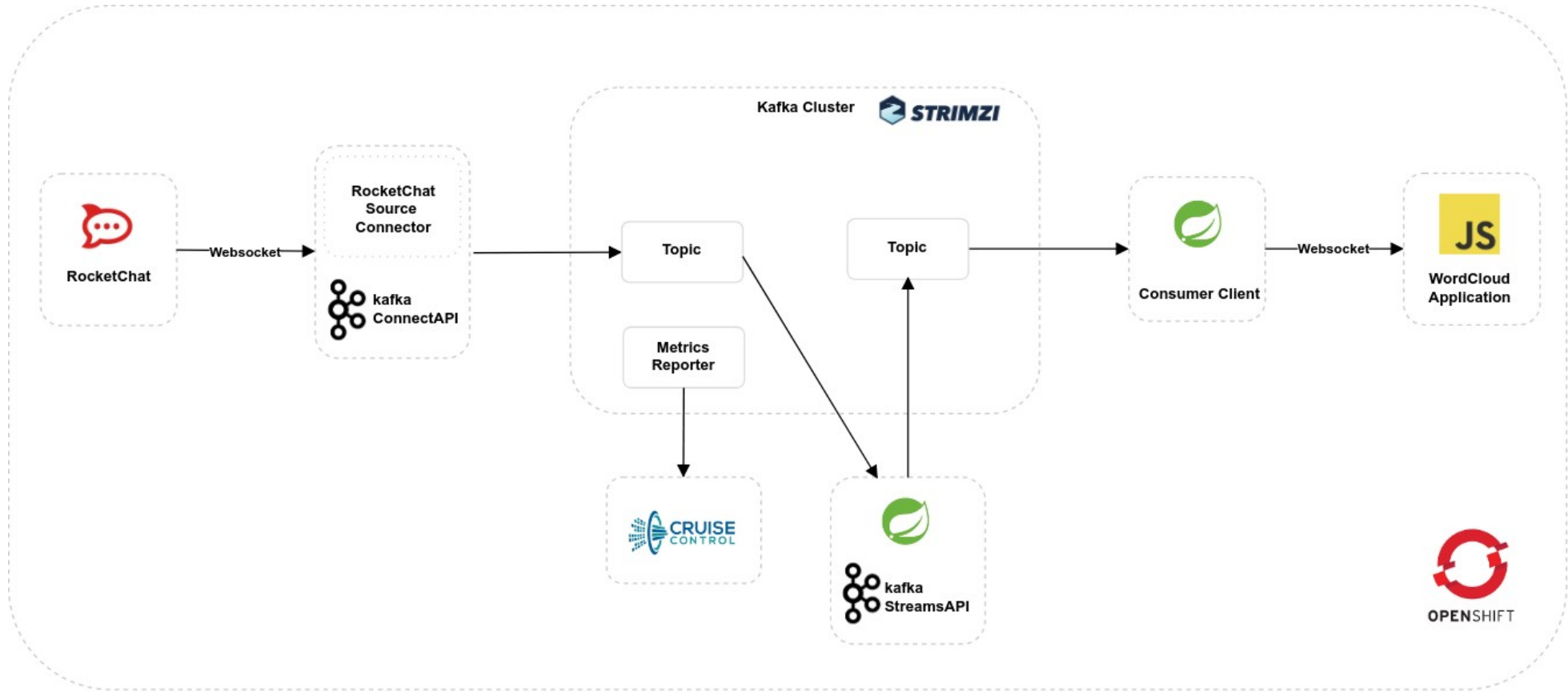


kafka

Showcase by Puzzle ITC

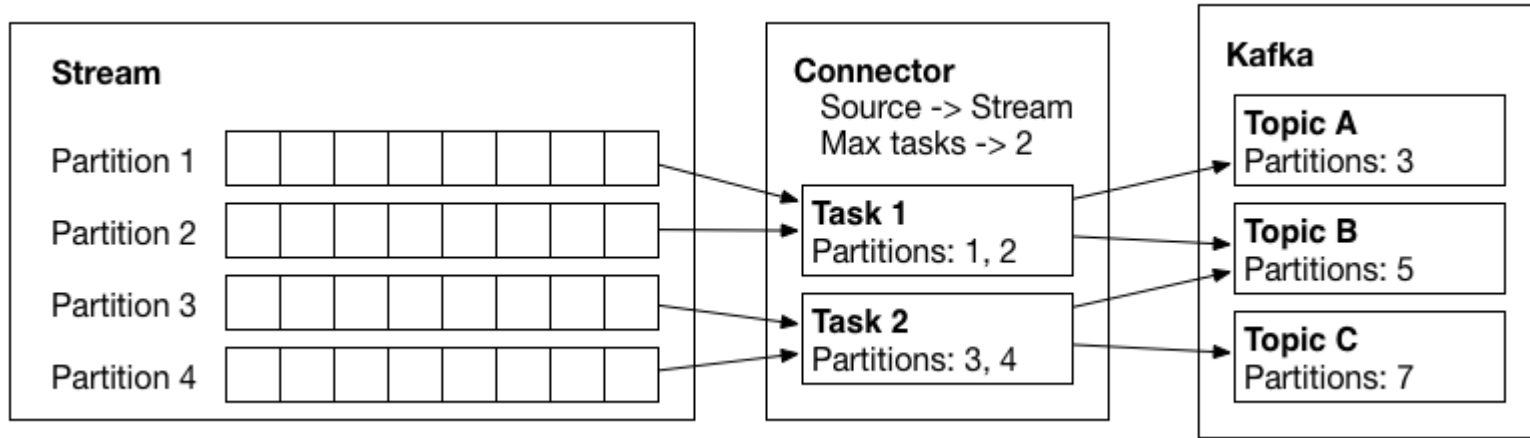
UNDER CONSTRUCTION





# Kafka Connect API

SourceTask is a Task that pulls records from another system for storage in Kafka.



```
public class RocketChatSourceTask extends SourceTask implements Source {  
  
    ...  
  
    private BlockingQueue<SourceRecord> queue = null;  
  
    ...  
  
    @Override  
    public List<SourceRecord> poll() throws InterruptedException {  
        ...  
        while(running.get()) {  
            SourceRecord record = queue.poll(1L, TimeUnit.SECONDS);  
            if (record == null) { continue; }  
            records.add(record);  
            queue.drainTo(records);  
            return records;  
        }  
        ...  
    }  
  
}
```

# Kafka Stream Processing

```
{
  "created_at": "Thu May 10 15:24:15 +0000 2018",
  "id_str": "850006245121695744",
  "text": "Here is the Tweet message.",
  "user": {
  },
  "place": {
  },
  "entities": {
  },
  "extended_entities": {
  }
}
```

T:CHATMESSAGE

```
{
  "text": "Here is the Tweet message."
}
```

T:PLAINMESSAGE

```
{
  key=Tweet
  value=10
}
```

T:...

T:WORDCOUNT



...

```
KStream<String, Long> stream = builder
    .stream(plainMessageTopic, Consumed.with(Serdes.String(), Serdes.String()))
    .flatMapValues(value -> Arrays.asList(replace(value).toLowerCase(Locale.getDefault()).split(" ")))
    .mapValues(value -> value.trim())
    .filter((key, value) -> value.length() >= minWordLength)
    .groupBy((key, value) -> value)
    .count()
    .toStream();
```

...

A meme featuring a still from the movie "The Ten Commandments" showing Moses with a long white beard, wearing a red and brown robe, holding a wooden staff in his right hand and gesturing with his left hand. The background is a dramatic, cloudy sky. The text "LET MY DATA FLOW!" is overlaid at the bottom in a large, white, bold font with a black outline.

**LET MY DATA FLOW!**

# Thank you!

...for not having slept during the presentation

