

Deploying Apache Pulsar to Google Kubernetes Engine

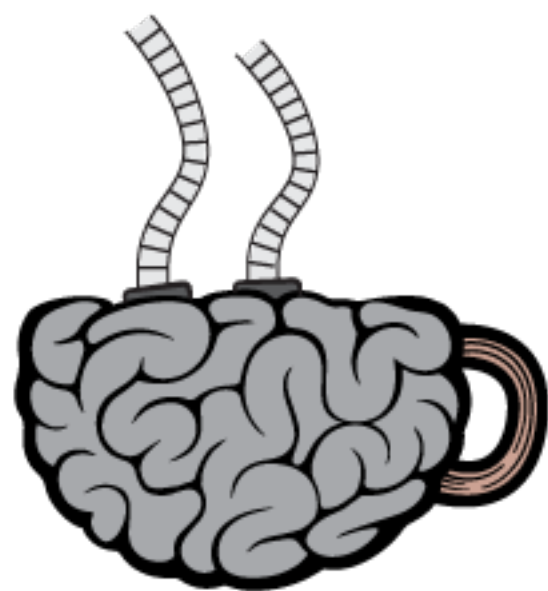
MESSAGING WITH APACHE PULSAR



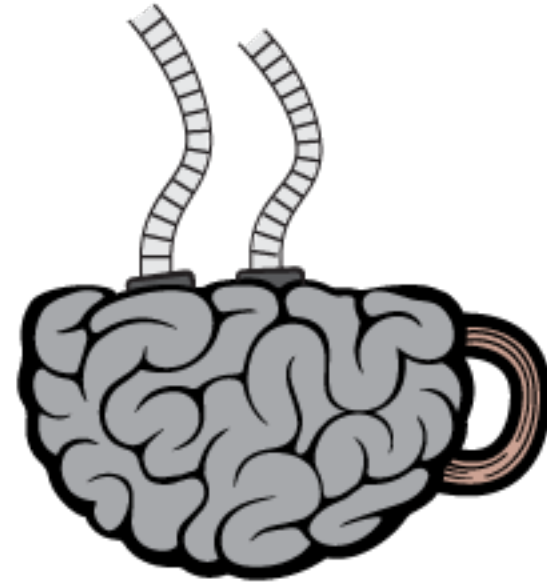
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WIRED BRAIN
— COFFEE —



WIRED BRAIN

— COFFEE —



Team Checklist



Overview of Apache Pulsar

Apache Pulsar vs Apache Kafka

Setting up Google Kubernetes Engine

Installing Apache Pulsar with Helm

Customizing the Helm chart

Securing our Apache Pulsar cluster

Creating producers and consumers

Leveraging schemas in our cluster

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Overview

What is Apache Pulsar

CAP Theorem

Apache Pulsar's components

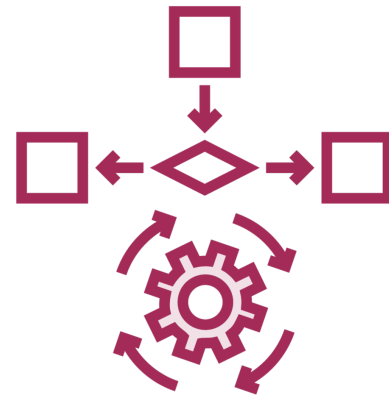
Apache Pulsar

A multi-tiered Pub/Sub messaging system that supports streaming, queues, and persistent storage.

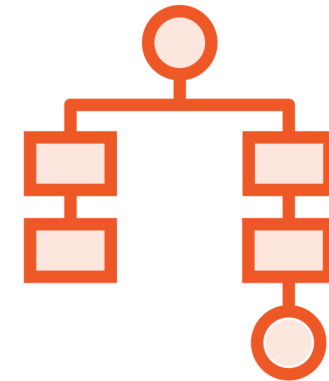
Apache Pulsar



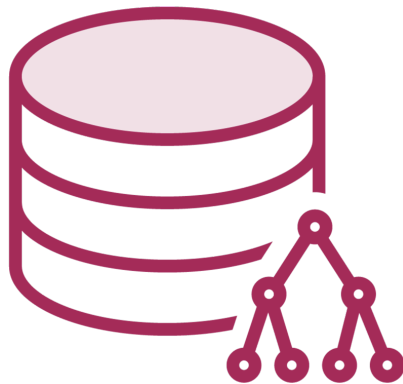
Kubernetes



Reliable



Stream and Queue



Persistence



Schema



Observable

Pulsar Clients

Go

Java

C#

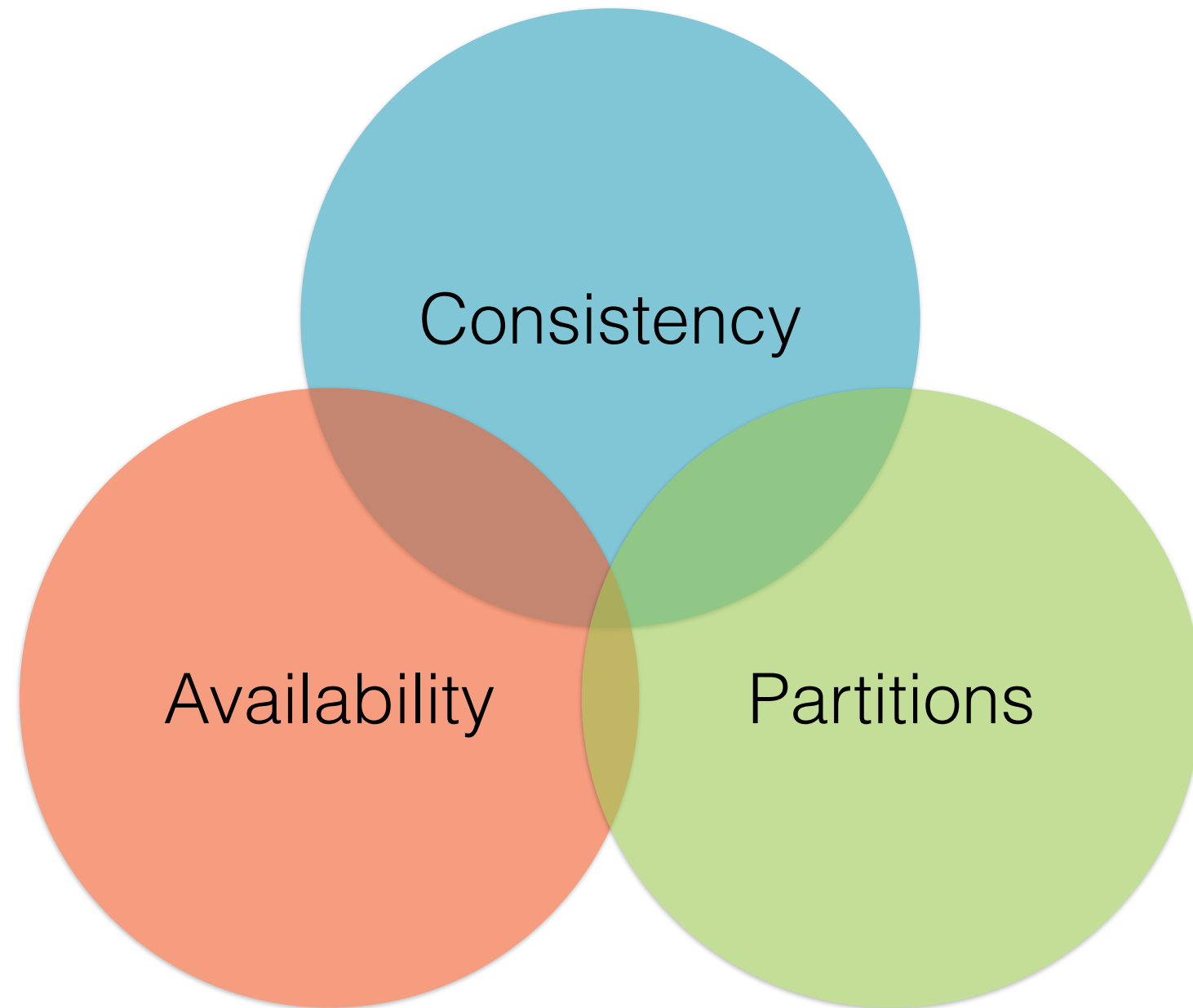
C++

Node.js

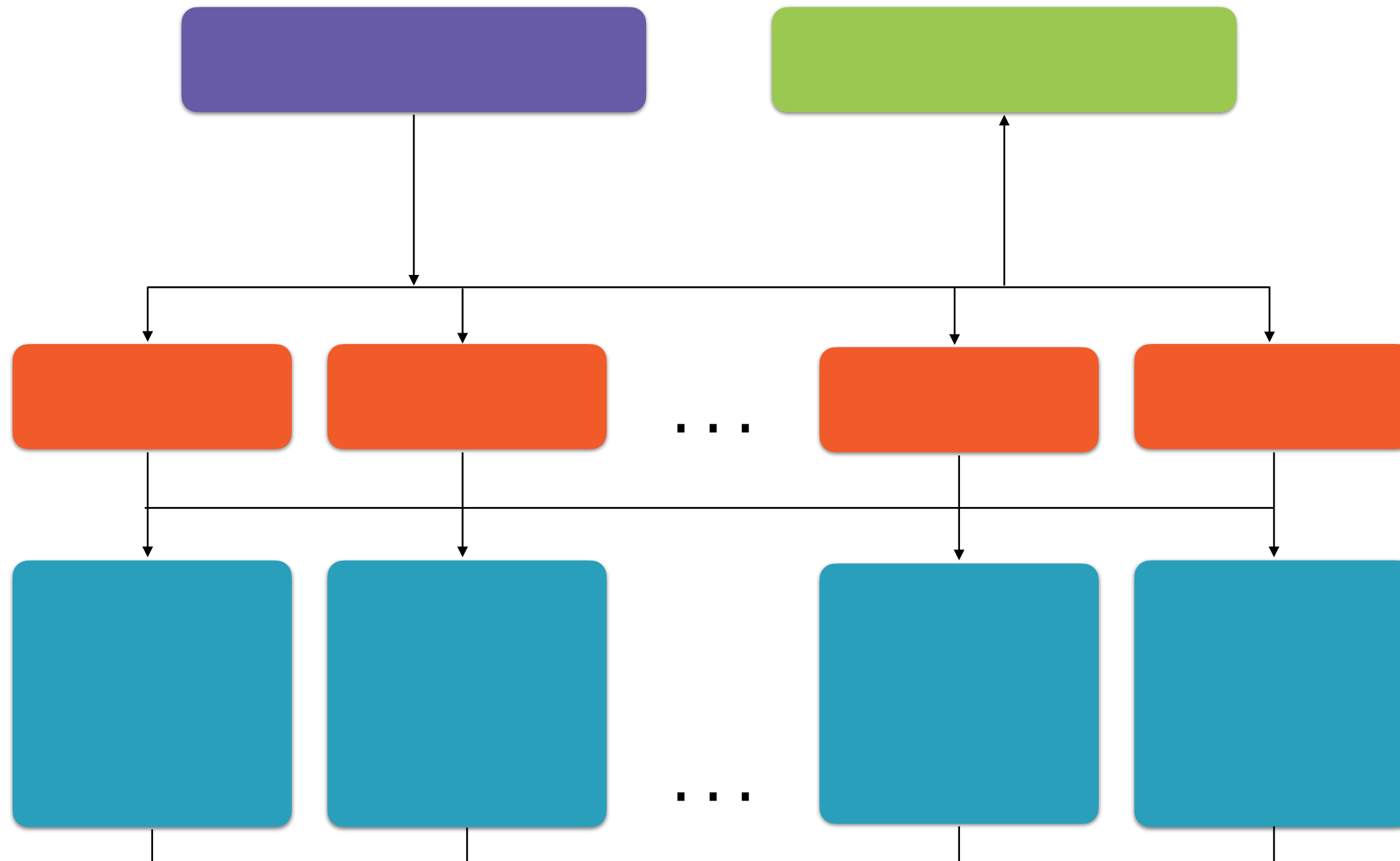
Python

CAP Theorem

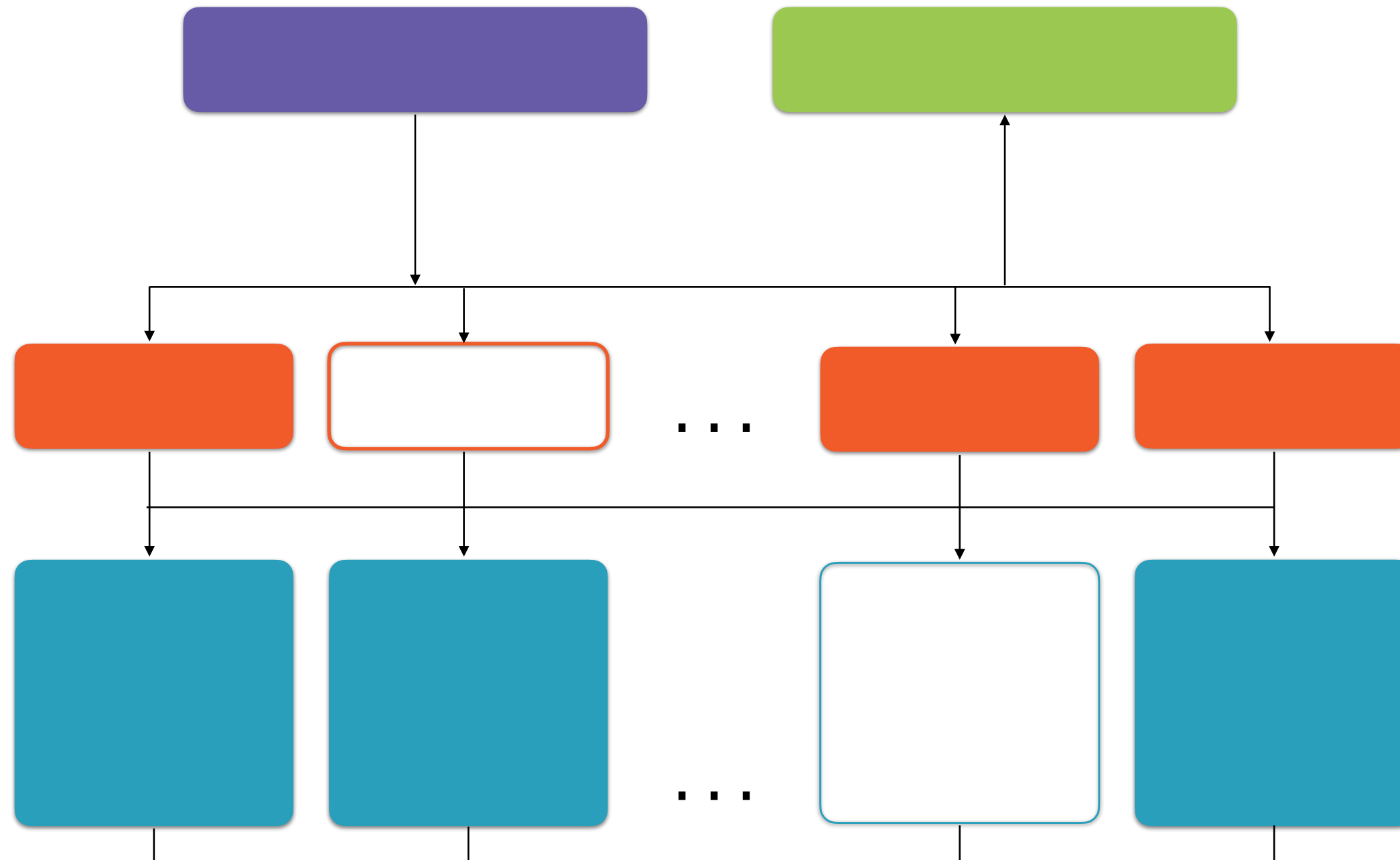
CAP Theorem



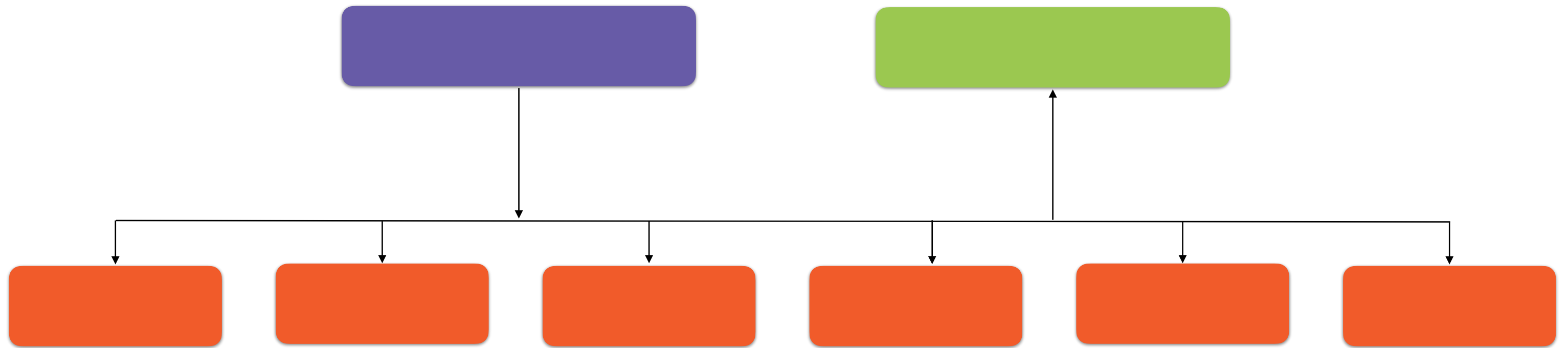
CAP Theorem



CAP Theorem



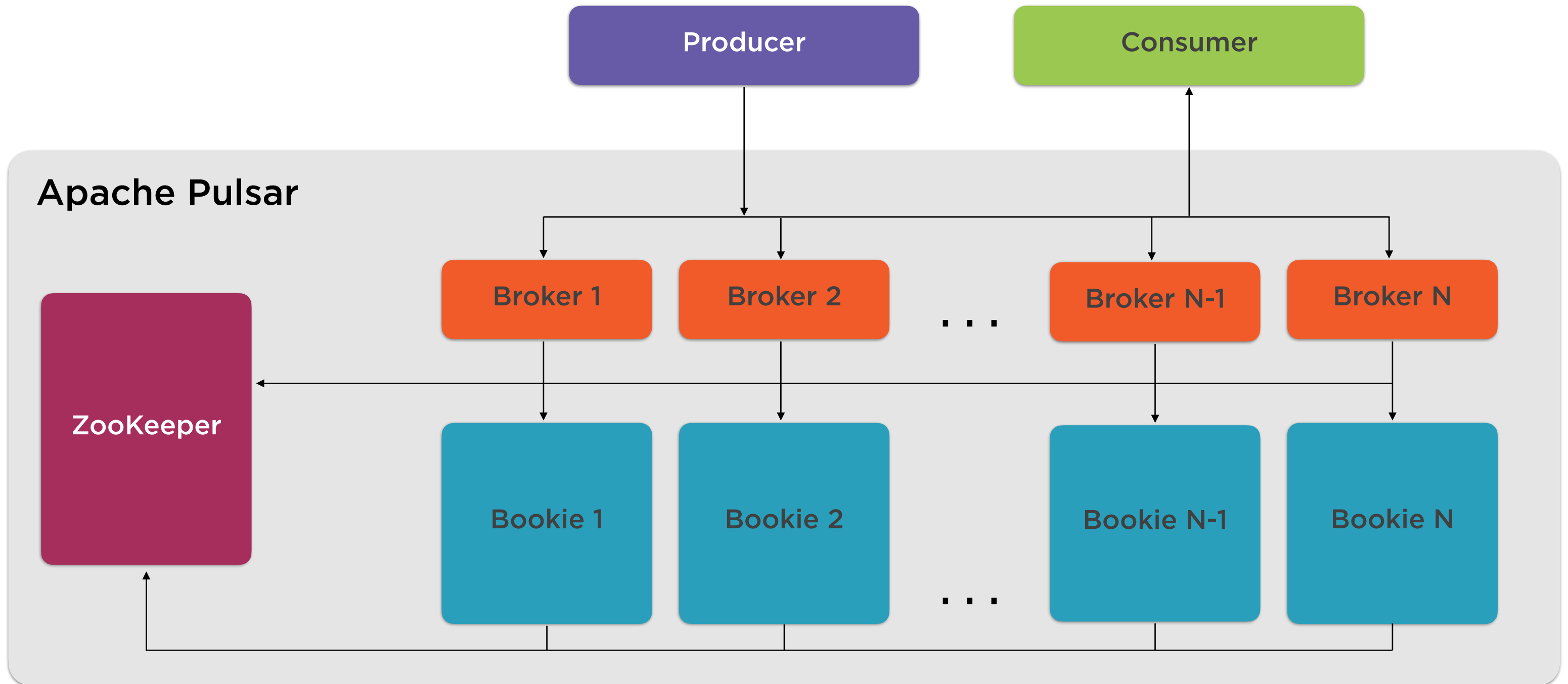
CAP Theorem



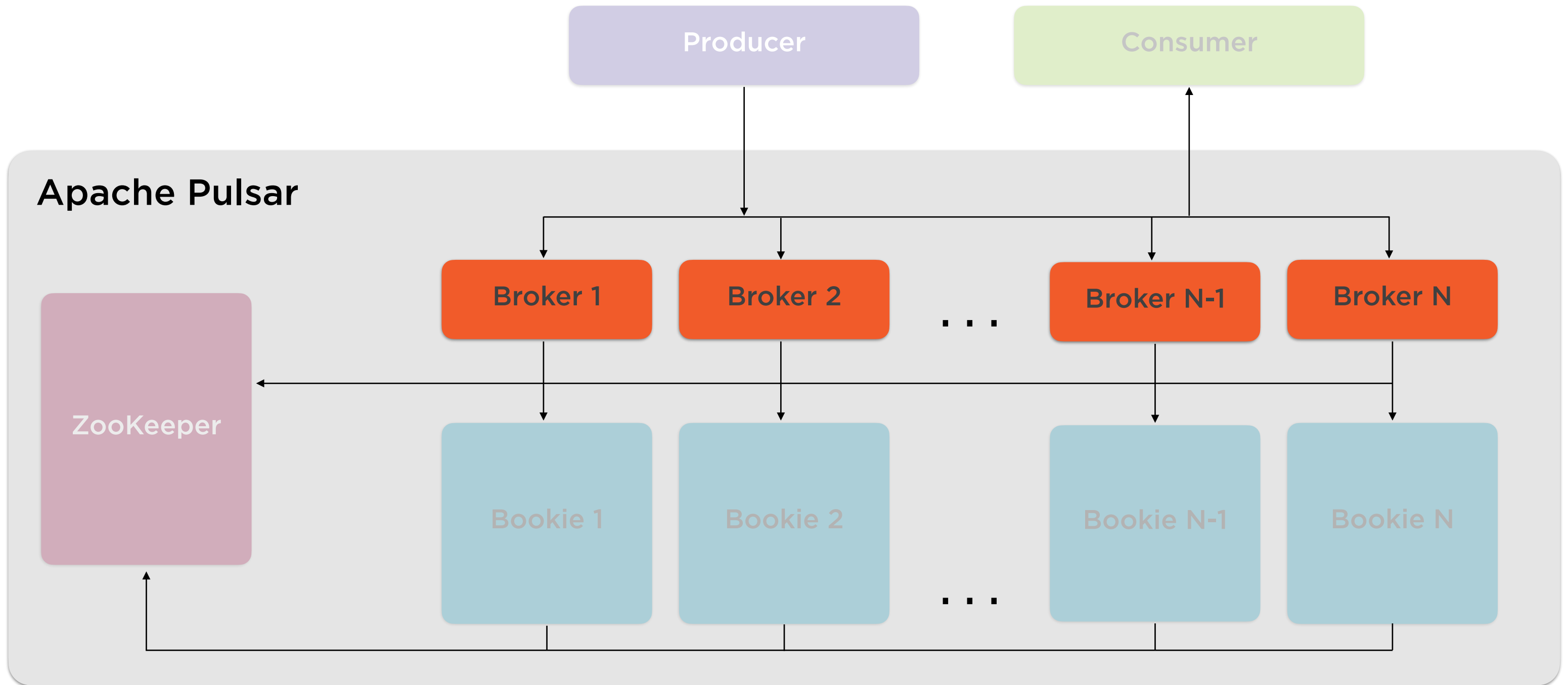
CAP Theorem



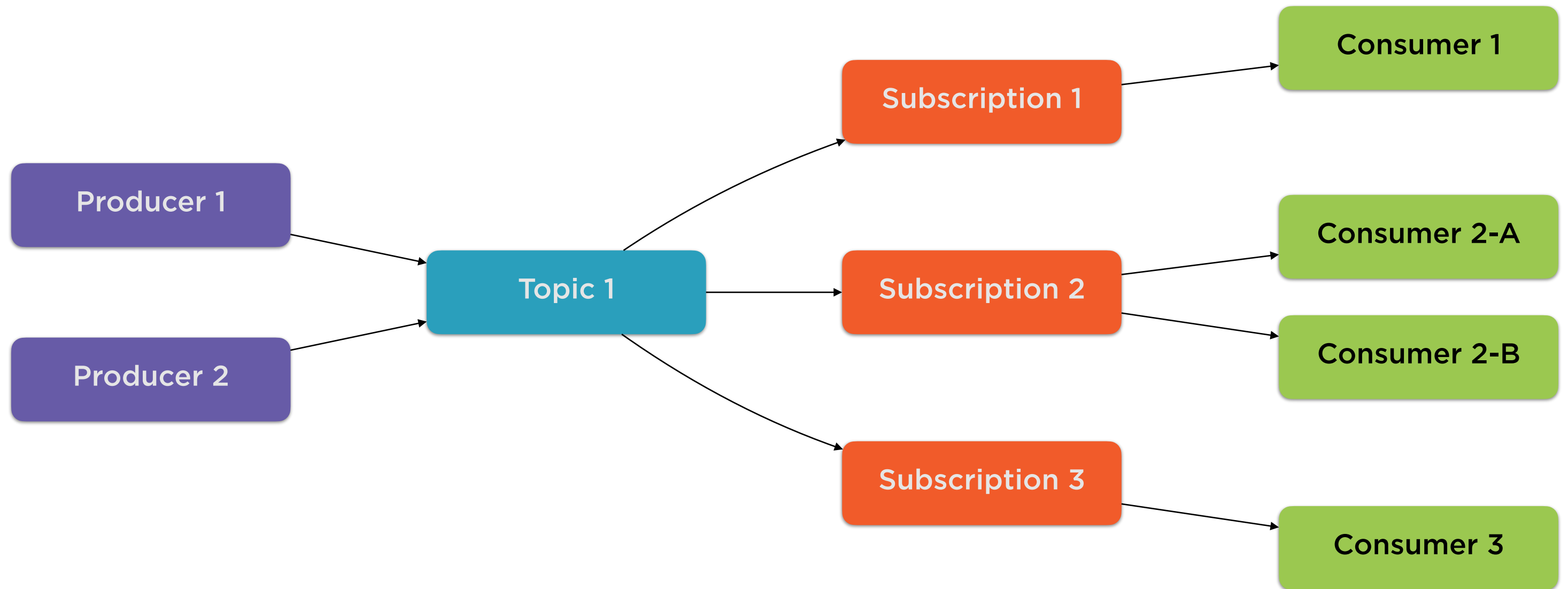
Apache Pulsar Components



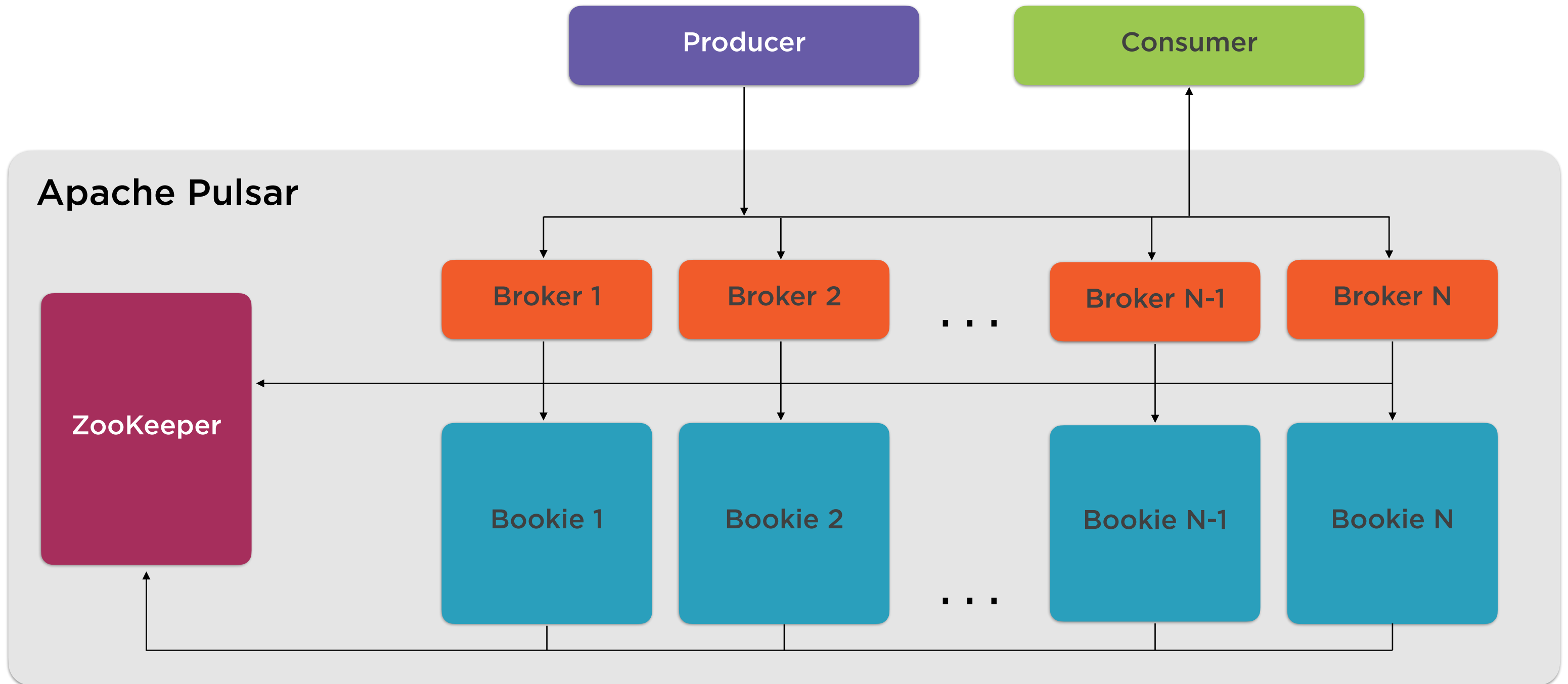
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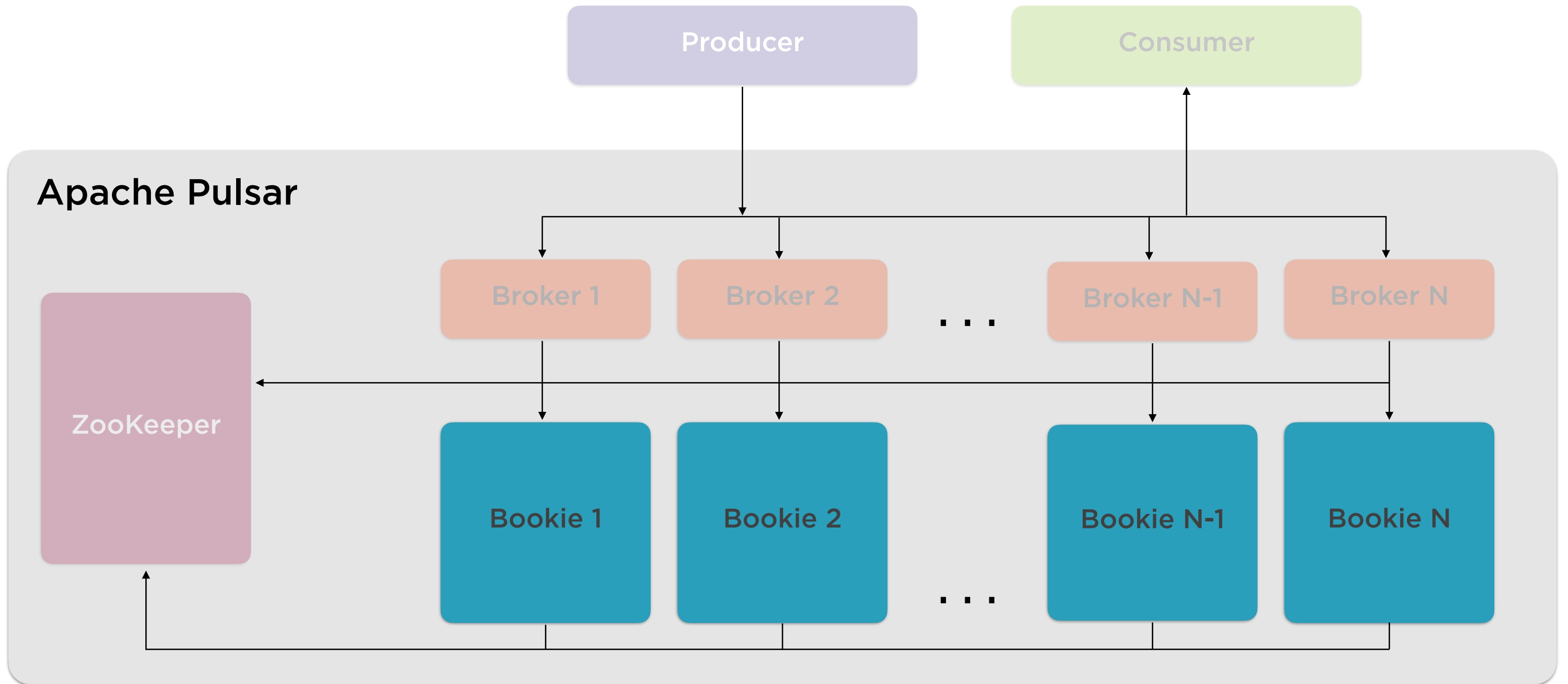
Pulsar Pub/Sub



Apache Pulsar Components



Apache Pulsar Components



Summary

The intrepid engineering team

Introduced Apache Pulsar

Consistency and availability

Pulsar architecture

Up Next:
Comparing Pulsar and Kafka
