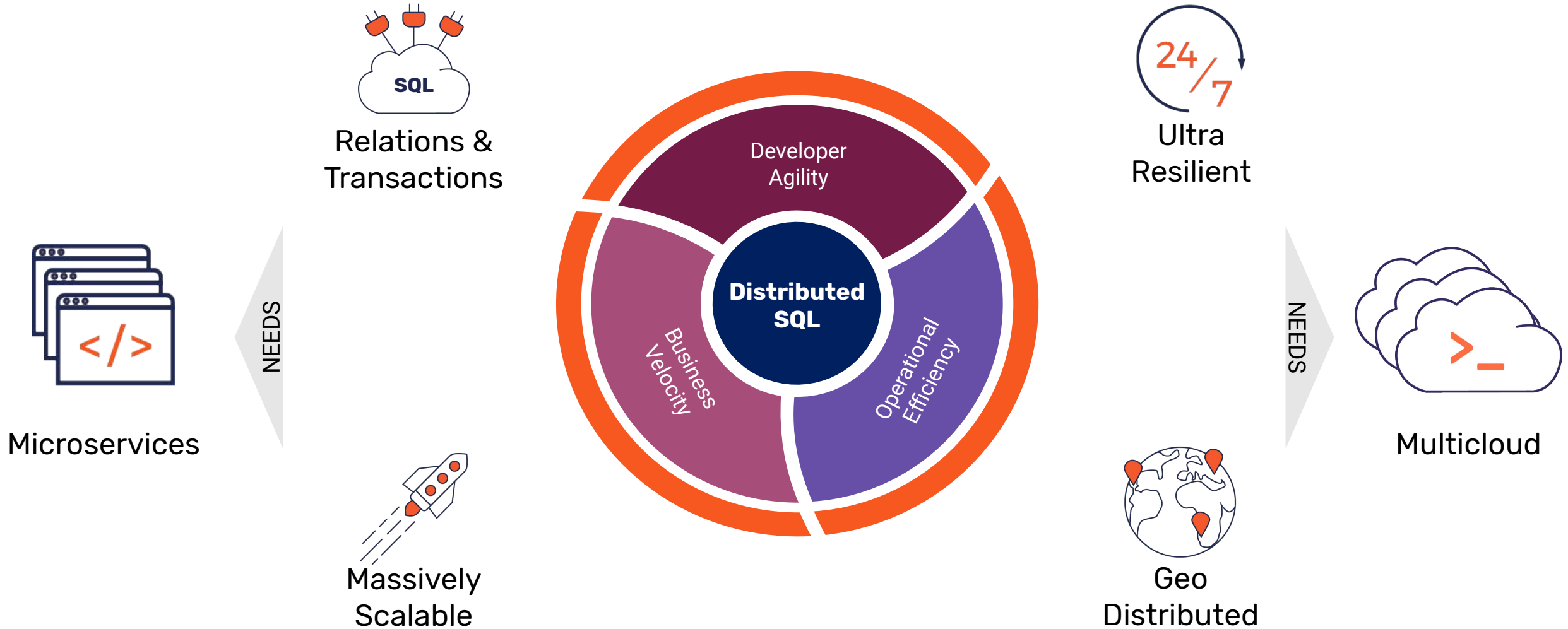




# Rook Operator for YugabyteDB

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Nov 21, 2019

# Database Architecture for Microservices & Multicloud Era



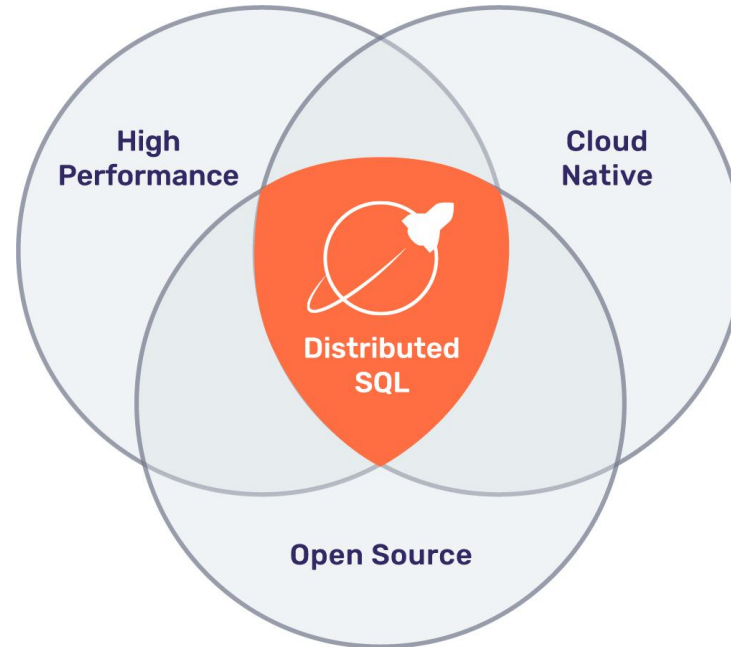


# yugabyteDB

Open-source, high-performance, cloud-native, distributed SQL database



Low Latency



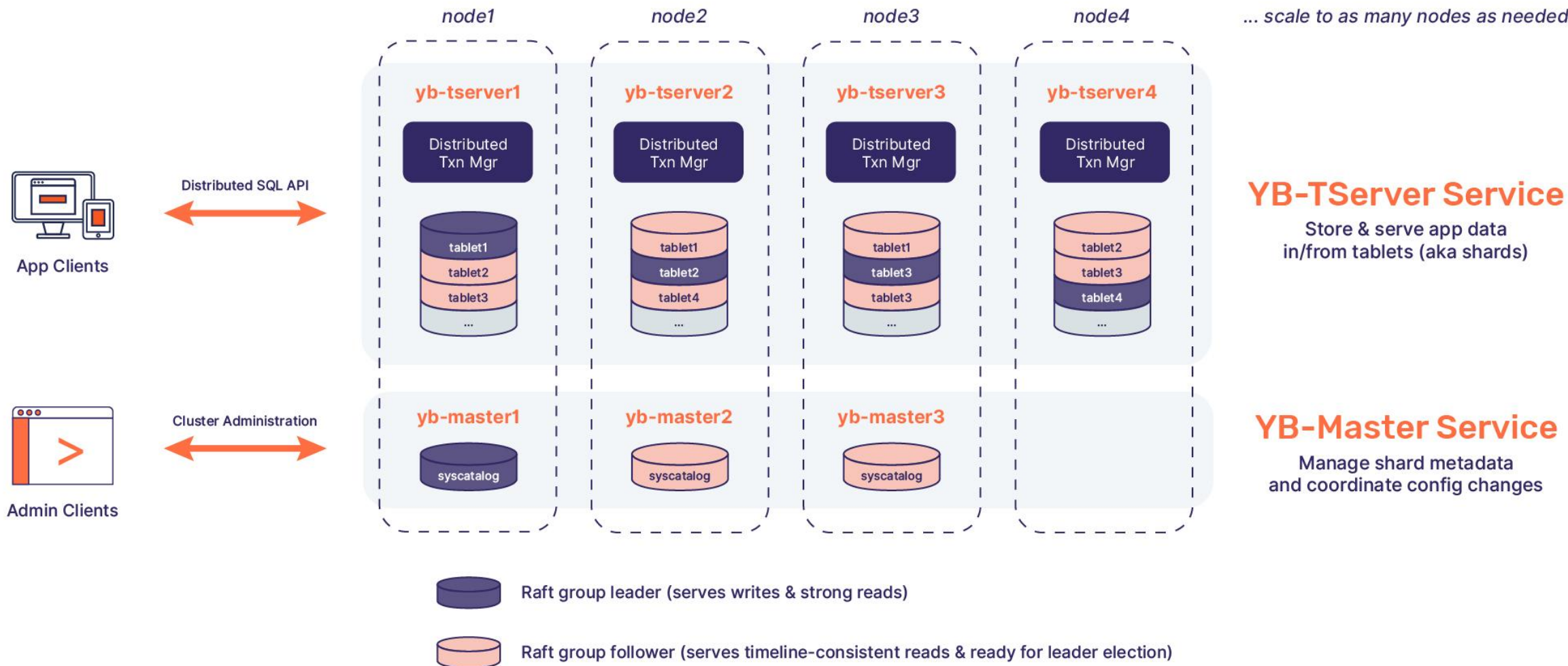
Kubernetes Native



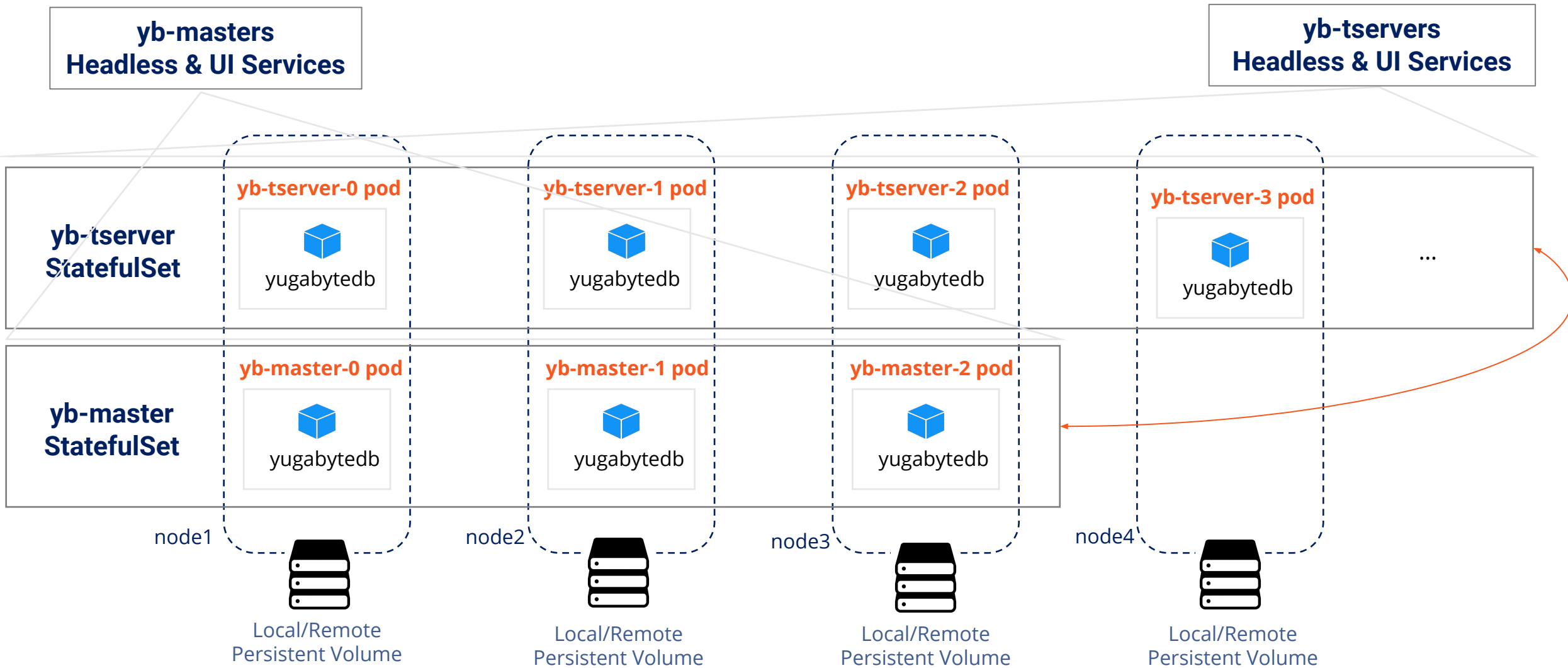
100% Apache 2.0



# Google Spanner-Inspired Sharding, Replication & ACID Transactions Design



# K8S Deployment Architecture



# YugabyteDB on K8S with Rook Operator

## 1. Deploy Rook operator

CustomResourceDefinition, ClusterRole, ServiceAccount, ClusterRoleBinding, Deployment objects

```
cd cluster/examples/kubernetes/yugabytedb  
kubectl create -f operator.yaml
```

## 2. Create YugabyteDB cluster

```
kubectl create -f cluster.yaml
```

## 3. Connect your application to the yb-tserver service

# Demo



# What's next?

Install & see for yourself

[docs.yugabyte.com/latest/deploy/kubernetes/rook-operator](https://docs.yugabyte.com/latest/deploy/kubernetes/rook-operator)

Give feedback

[yugabyte.com/slack](https://yugabyte.com/slack)



on GitHub

[github.com/yugabyte/yugabyte-db](https://github.com/yugabyte/yugabyte-db)