Vitess

How to Migrate a MySQL Database to Vitess

Morgan Tocker

Community Development Manager @ PlanetScale

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Co-creator, CTO @ PlanetScale

@VITESSIO

What is Vitess?

Cloud Native Database

Massively Scalable

HA

Based on MySQL

Vitess

Vitess

Graduation!

Vitess

CLASS OF 2019

VITESS.IO

Vitess

Vitess Stats

Started
2010

Marquee
Adopters

100+
Contributors

8,000+
Stars

17,000+
Commits

1000+
Slack Members

1000+
Forks

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Vitess

Key Adopters

Kubernetes Workloads

stitchlabs

> Oldest, since 2016

HubSpot

> Hundreds of keyspaces

JD.COM

> 10,000+ Tablets

nozzle

> Migrate from cloud to cloud MySQL 8.0

Vitess

Architecture

app server

app server

app server

big data

vtctld

topology

vtgate

vtgate

shard n

shard l

vttablet

mysqld

master

vttablet

mysqld

replicas

vttablet

mysqld

Analytics
replicas

App

Vitess
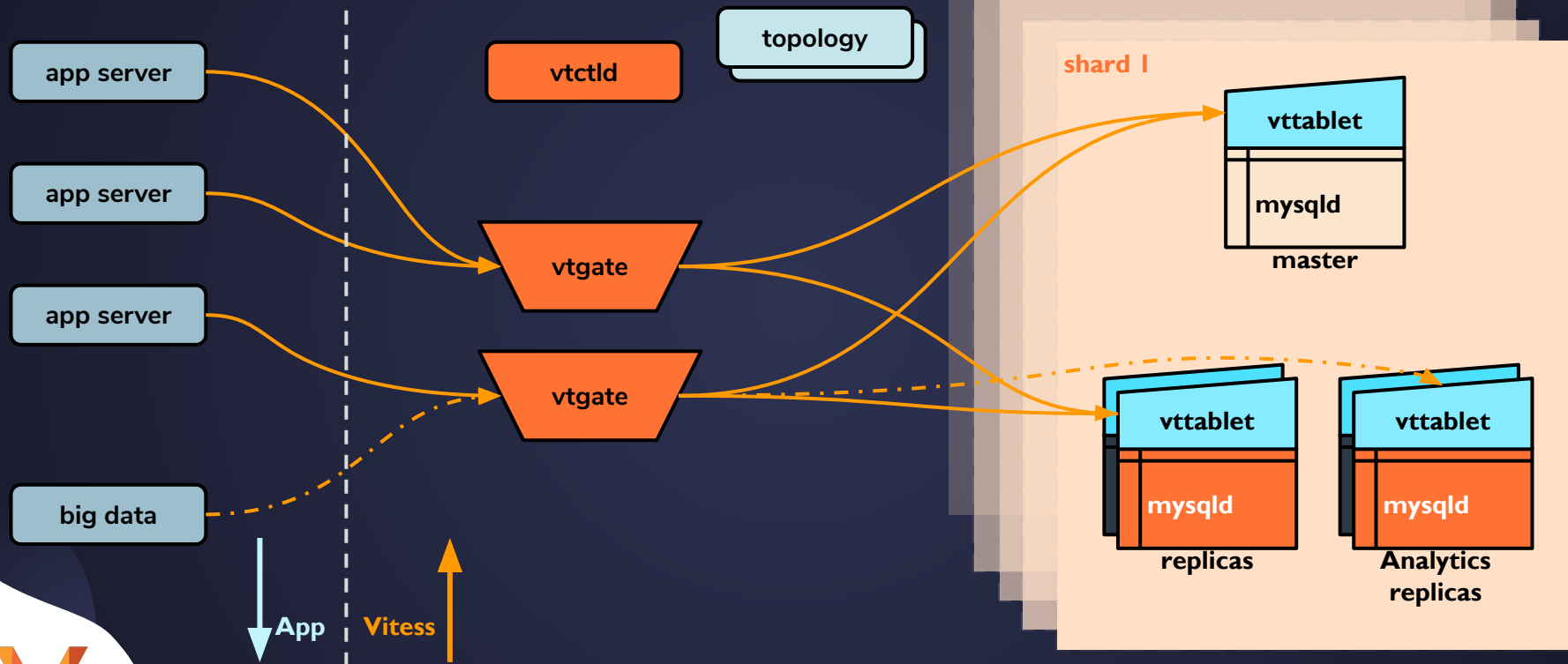
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What's Next

Vitess.io

Do the tutorial

Join Vitess Slack

Bring up a cluster

console.planetscale.com

Don't leave your data behind.

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IT'S

DEMO TIME

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Vitess

Other Vitess talks at KubeCon

Scaling Resilient Systems: A Journey into Slack's Database Service

Rafael Chacon & Guido Iaquinti, Slack

Tuesday 11:50am - 12:25pm

Building a Database as a Service on Kubernetes

Abhi Vaidyanatha & Lucy Burns, PlanetScale

Tuesday 2:25 pm - 3:00pm

Vitess: Stateless Storage in the Cloud

Sugu Sougoumarane, PlanetScale

Tuesday 3:20 - 3:55pm

Geo-partitioning with Vitess

Deepthi Sigireddi & Jitendra Vaidya, PlanetScale

Wednesday 2:25 pm - 3:00pm

Gone in 60 Minutes: Migrating 20 TB from AKS to GKE in an Hour with Vitess

Derek Perkins, Nozzle

Thursday 2:25pm - 3:00pm

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