Scaling Databases with Vitess

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Agenda

- Introduction to Vitess
- Demo
  - Importing data from RDS into Vitess
  - Using Rails with Vitess
- Upcoming Features

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Introduction

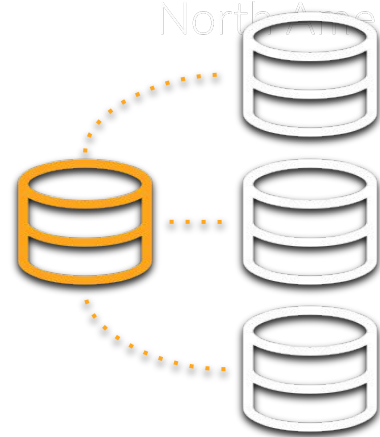A database clustering system for horizontal scaling of MySQL

- CNCF graduated project
- Open source, Apache 2.0 licence
- Contributors from around the world and community

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Use Case

- Sharding your database
- Easier Cluster Management
- Online DDL Operations
- Seamless Backup/Recovery Operations
- Protection against Human Errors
- Connection Pooling

Vitess serves millions of QPS in production

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Architecture

APP ← → VITESS
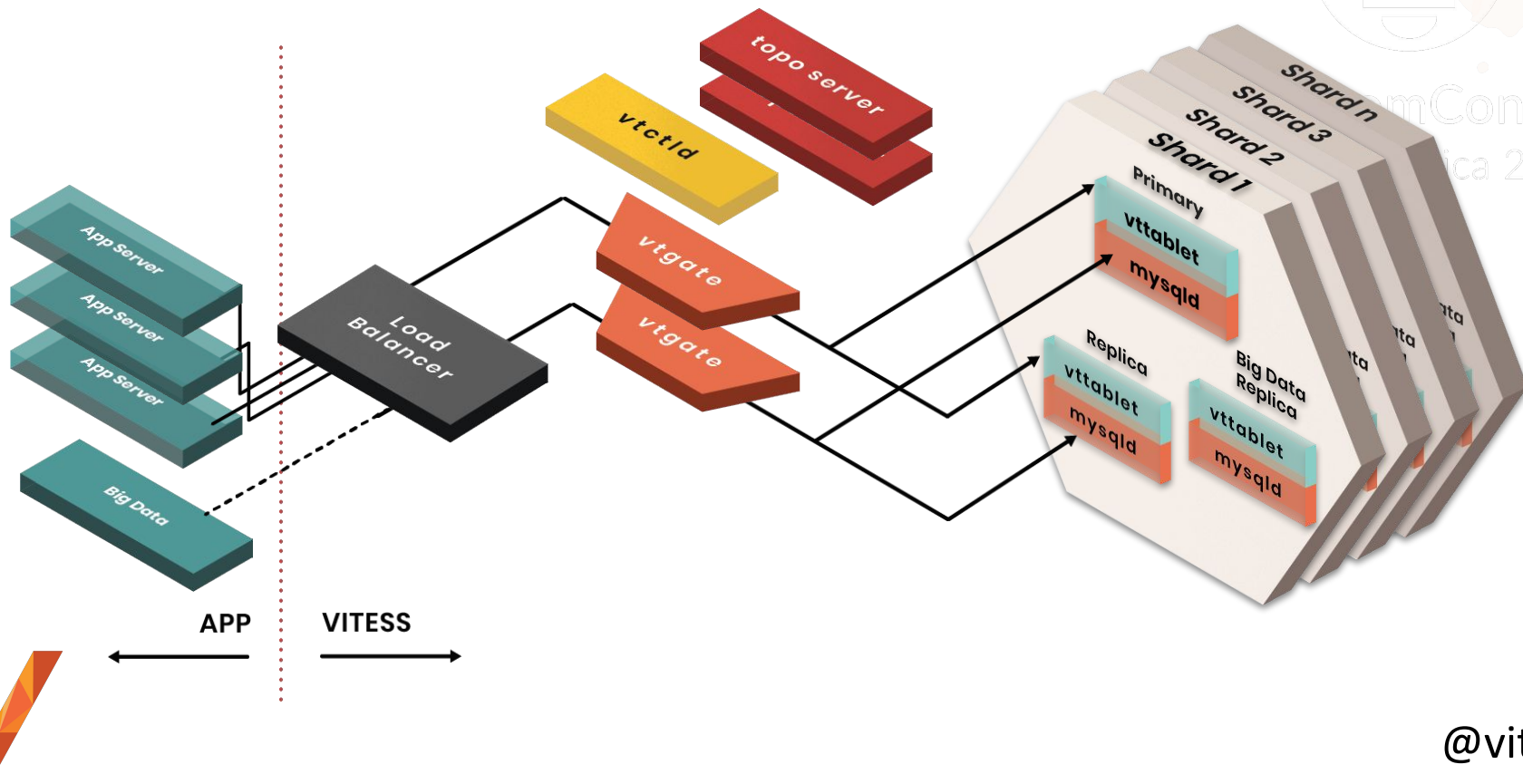
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Demo

Upcoming Features

- VTOrc - Orchestrator as a native component
- VTAdmin - New and improved UX
- Causal Consistency

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Resources

- Docs: vitess.io/docs
- Code: github.com/vitessio/vitess
- Slack: vitess.slack.com
- Twitter: @vitessio

Q&A