



KubeCon



CloudNativeCon

Europe 2022

# 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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@vitessio

# Introduction



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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



@vite.io

# Vitess serves millions of QPS in production



CloudSigma

New Relic

peak  
GAMES

weave

阿里云  
ALIBABA CLOUD

AXON

BetterCloud  
Powering Cloud IT

Ситимобил

connecteam

Flipkart

ginbits

GitHub

HubSpot

JD.COM

nozzle

السوق المفتوح  
opensooq.com

Pinterest

红杉资本  
SENIOR PARTNER

PlanetScale

Quiz of Kings

slack

Square

stitchlabs

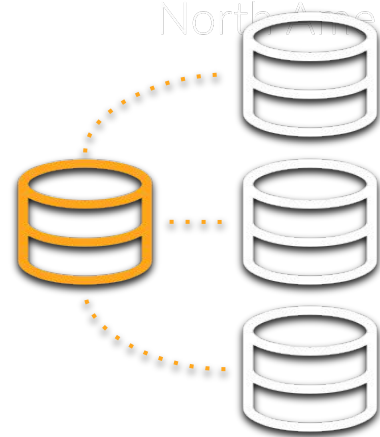


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# Use Case

## Scalability

- QPS
- Data
- Connections



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# Features

- Easier Cluster Management
- Online DDL Operations
- Seamless Backup/Recovery Operations
- Query Consolidation
- Protection against Human Errors

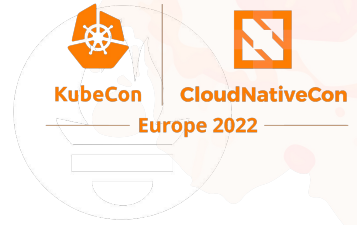


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# Glossary

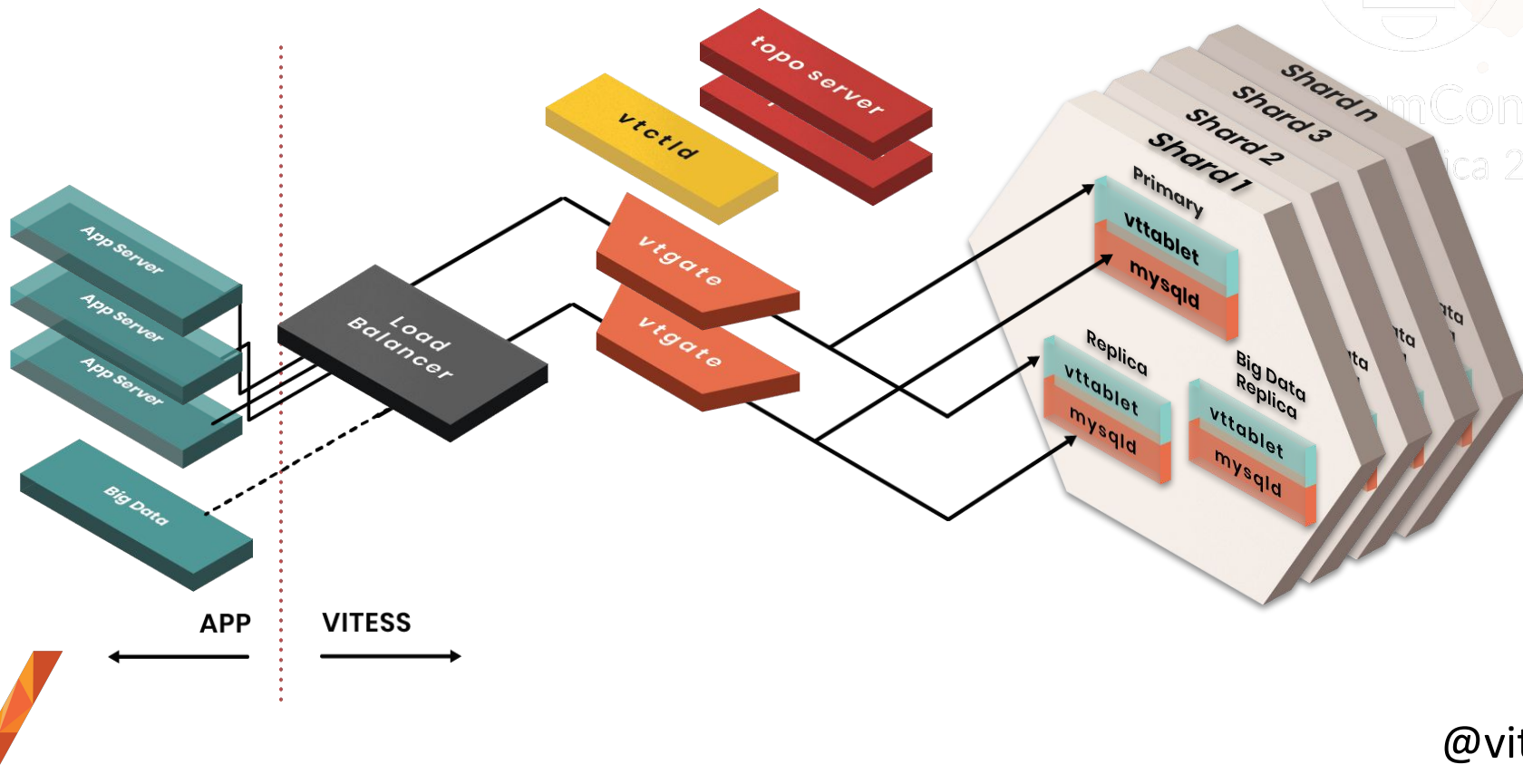
- Shard
- Keyspace



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# Architecture





# Demo

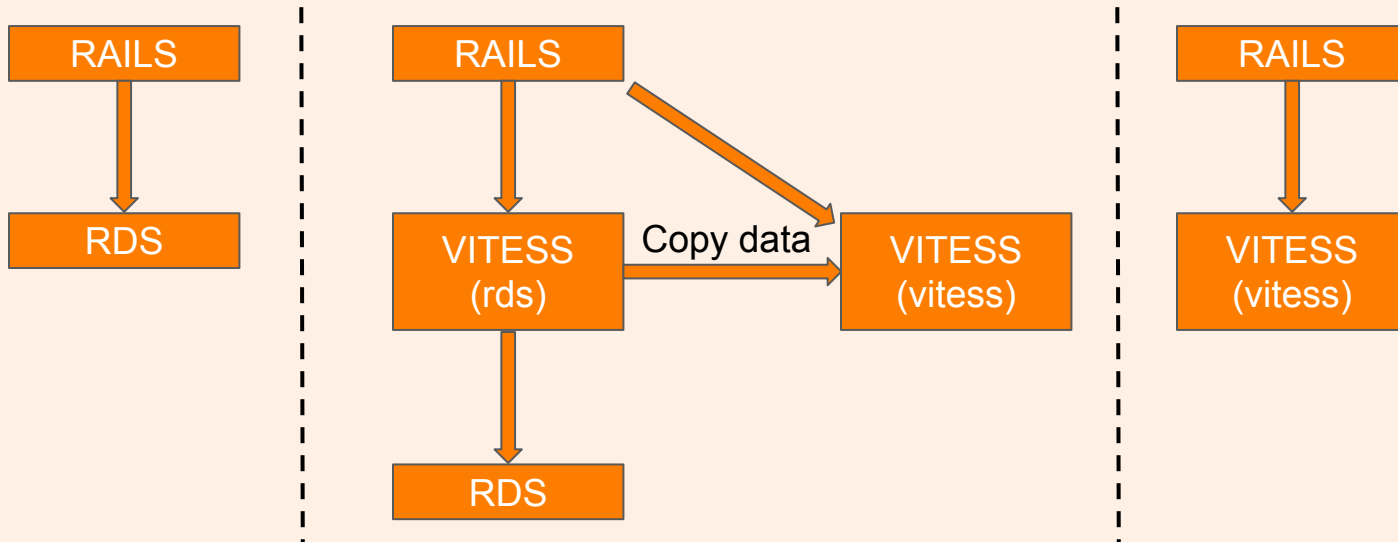


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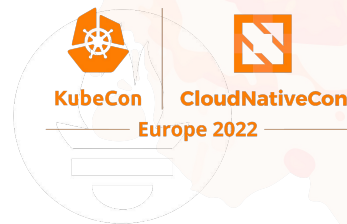


# Upcoming Features

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



# Resources



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- Demo: [github.com/vitessio/contrib/tree/main/kubecon-eu-22-demo](https://github.com/vitessio/contrib/tree/main/kubecon-eu-22-demo)
- Docs: [vitess.io/docs](https://vitess.io/docs)
- Code: [github.com/vitessio/vitess](https://github.com/vitessio/vitess)
- Slack: [vitess.slack.com](https://vitess.slack.com)
- Twitter: [@vitessio](https://twitter.com/vitessio)





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# Q&A

