Vitess

Sugu Sougoumarane, Co-creator CTO, PlanetScale Deepthi Sigireddi, Maintainer Software Engineer, PlanetScale





What is Vitess

- Sharding middleware for MySQL
- Massively scalable
- HA
- Cloud-native

Vitess stats

Started 2010

7,500+ stars

16,000+ commits

Marquee adopters

100+ contributors

800+ Slack members

1000+ forks

Key adopters

slack 25% Migrated to Vitess

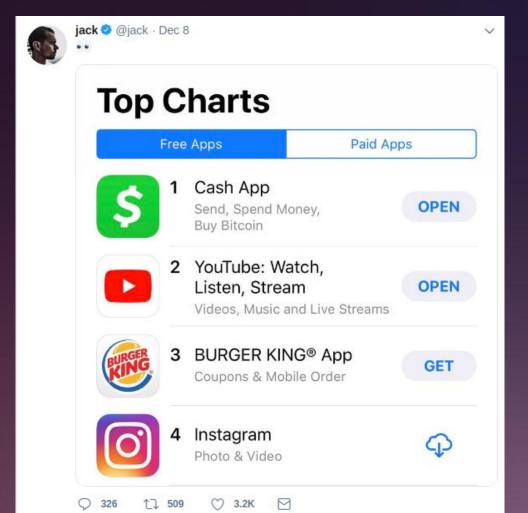


10,000+ Tablets on Kubernetes

Square Cash App fully runs on Vitess

Pinterest All of advertising campaign management







The Community





























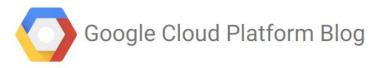




What makes Vitess cloud native?



2015

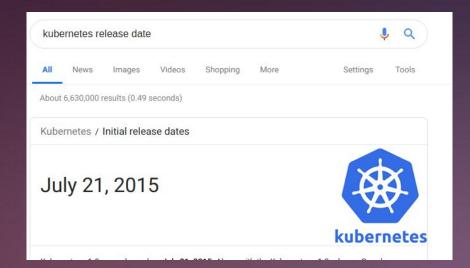


Product updates, customer stories, and tips and tricks on Google Cloud Platform

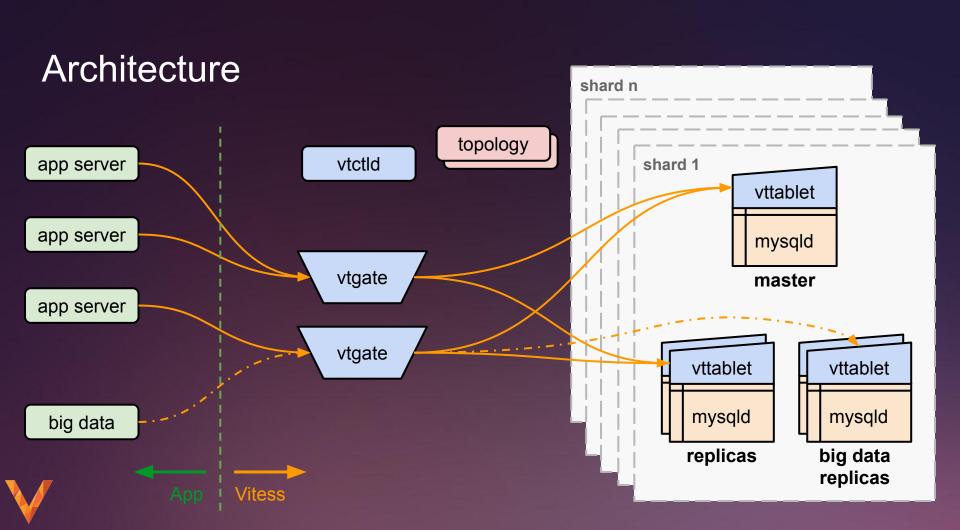
Scaling MySQL in the cloud with Vitess and Kubernetes

Friday, March 20, 2015

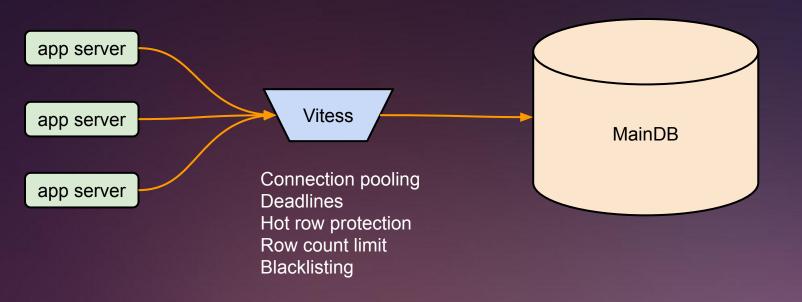
Your new website is growing exponentially. After a few rounds of high fives, you start scaling to meet this unexpected demand. While you can always add more front-end



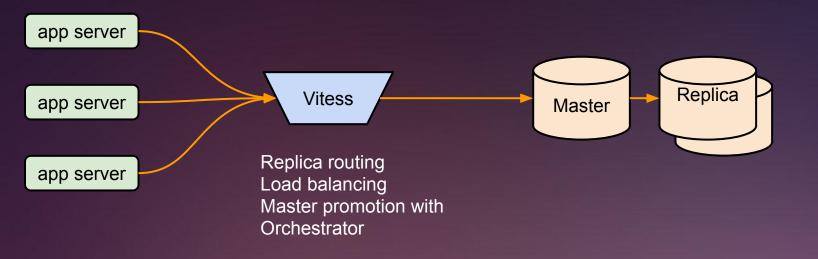




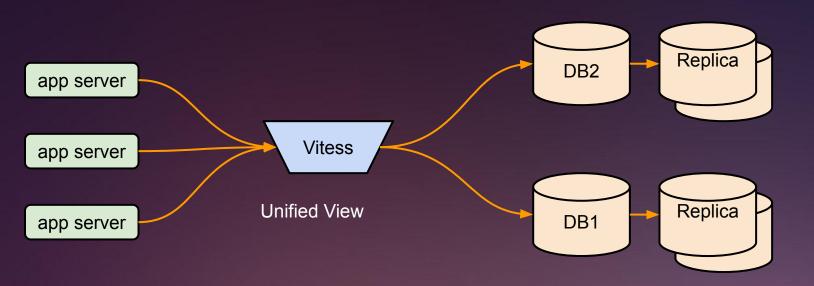
Starting with Vitess

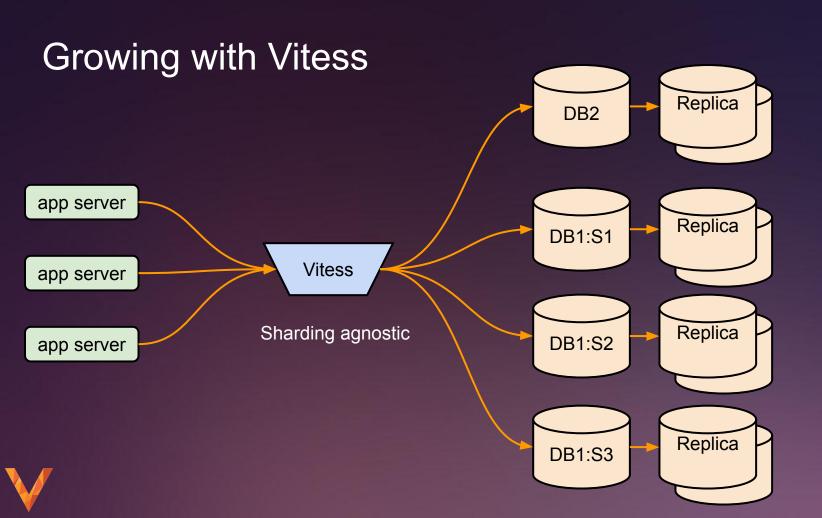


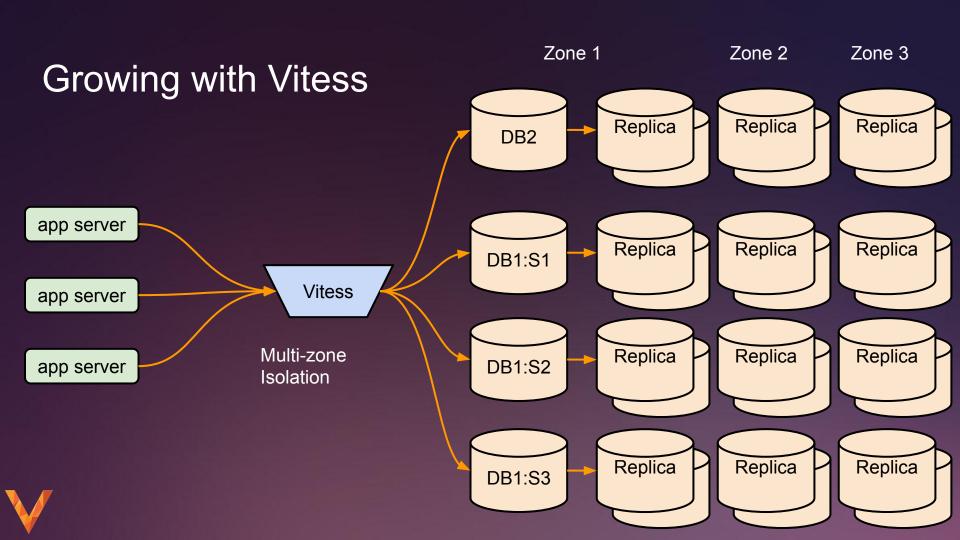
Growing with Vitess



Growing with Vitess







Resources

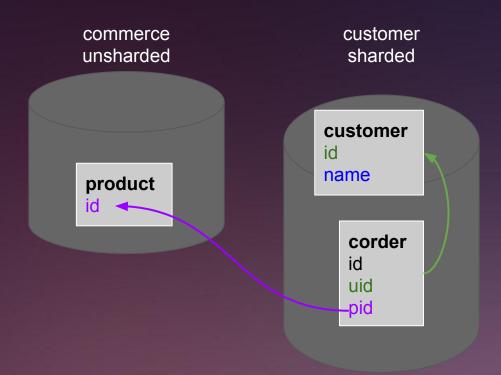
- https://github.com/vitessio/vitess/tree/master/helm
- https://github.com/vitessio/vitess-operator
- https://github.com/vitessio/vitess/tree/master/examples/hel
 m
- https://vitess.io/docs/tutorials/kubernetes/



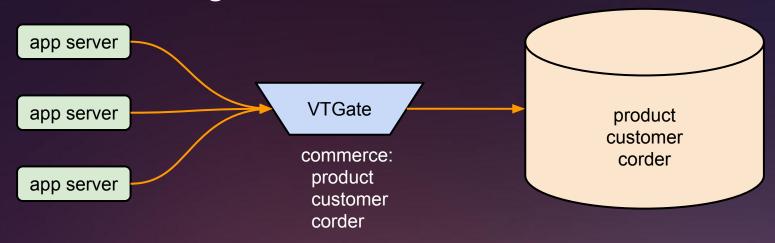
VReplication

- Powerful
- Flexible
- Composable

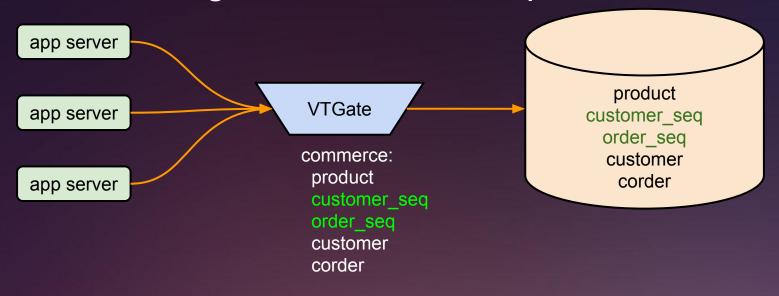
Demo



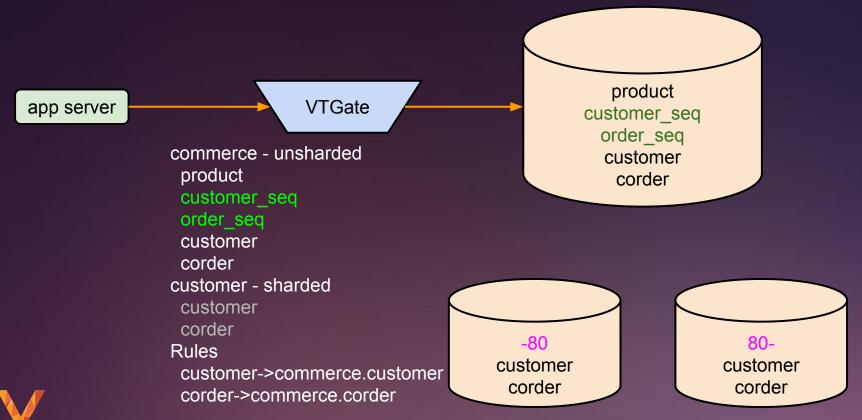
Resharding 101: initial cluster



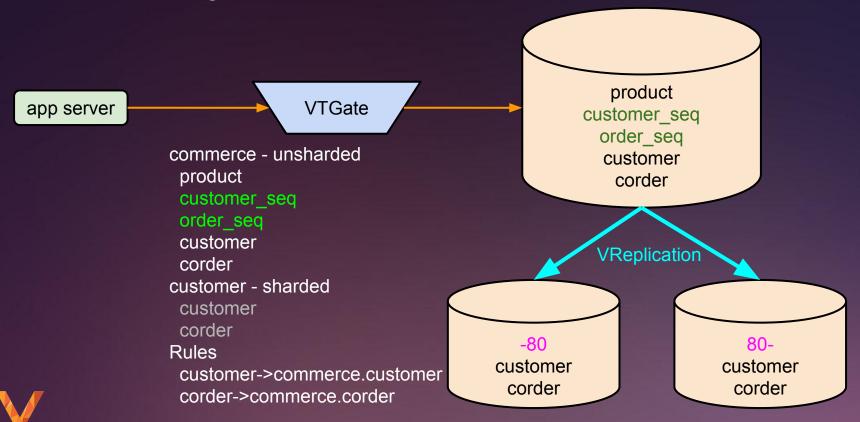
Resharding 301: autoinc->sequences



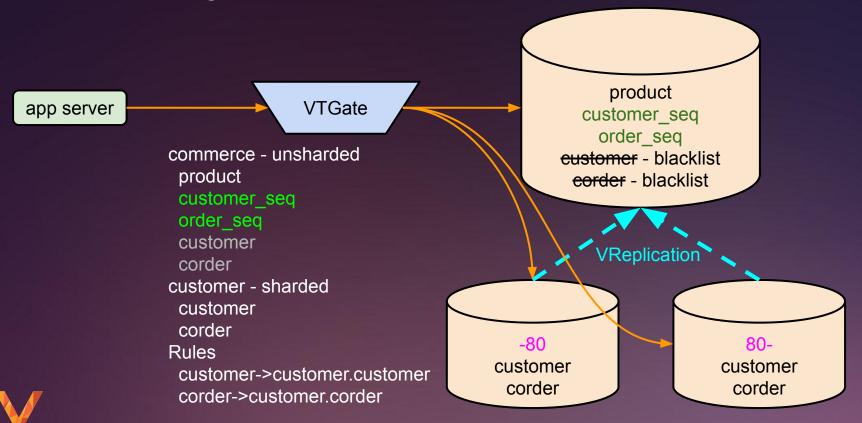
Resharding 302: customer keyspace



Resharding 303: VReplication



Resharding 305: Cutover



What's next?

- Tomorrow: Vitess Deep Dive
- Sign into <u>slack</u> channel at <u>vitess.io</u>
- Try bringing up a cluster on your laptop or kubernetes
- https://vitess.io/docs/tutorials/
- https://github.com/vitessio/vitess
- Square Cash blog posts on sharding with Vitess
- @sougou @deepthi
- Wowitessio @planetscaledata @ssougou @atechgirl

