

Vitess@GoSV

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CLOUD NATIVE
COMPUTING FOUNDATION

What is Vitess

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



A rocket launch at a space station with overlaid statistics. The background shows a rocket ascending from a launch pad, surrounded by large white plumes of smoke and fire. The sky is a clear blue. In the foreground, the metal lattice structure of a launch tower is visible on the left. The text is overlaid in white, semi-transparent font.

Vitess stats

Started **2010**

Marquee adopters

7,500+ stars

100+ contributors

16,000+ commits

700+ Slack members

History

- Choosing Go
- TCP, Syscalls, GC, Scheduler



2013



2015



Google Cloud Platform Blog

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

kubernetes release date



All News Images Videos Shopping More Settings Tools

About 6,630,000 results (0.49 seconds)

Kubernetes / Initial release dates

July 21, 2015



kubernetes



2016

First Kubernetes Production launch



Last Sunday...




Kelsey Hightower  [@kelseyhightower](#) Following

I'm always going to recommend people exercise extreme caution when running stateful workloads on Kubernetes. Most people who are asking "can I run stateful workloads on Kubernetes" don't have much experience with Kubernetes and often times the workload they are asking about.

12:10 AM - 24 Mar 2019

283 Retweets 895 Likes

30 283 895

Kelsey Hightower  [@kelseyhightower](#) · Mar 24

Some people believe that rubbing Kubernetes on a stateful workload turns it into a fully managed database offering rivaling RDS. This is false. Maybe with enough effort, and additional components, and an SRE team, you can build RDS on top of Kubernetes.

21 151 488

Sugu Sougoumarane [@ssougou](#) · Mar 24

Replying to [@kelseyhightower](#)

[@vitessio](#) fills this gap. [@HubSpot](#) and [@JD_Corporate](#) have been running stateful workloads on it for over two years now. But it will be nice if Kubernetes put more thought into this problem area :).

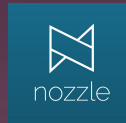
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Vitess Kubernetes users



Some wish to be unnamed



The Community

In production



slack



JD.京东.COM



Square

HubSpot



GitHub

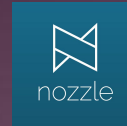


Dailymotion



stitchlabs

Flipkart



nozzle

AppLift

BetterCloud



Quiz of Kings



PIXEL FEDERATION
players to players

LaZada

Evaluating

Pinterest



AXON



jack  @jack · Dec 8



Top Charts

Free Apps

Paid Apps



1 Cash App

Send, Spend Money,
Buy Bitcoin

OPEN



2 YouTube: Watch,
Listen, Stream

Videos, Music and Live Streams

OPEN



3 BURGER KING® App

Coupons & Mobile Order

GET



4 Instagram

Photo & Video



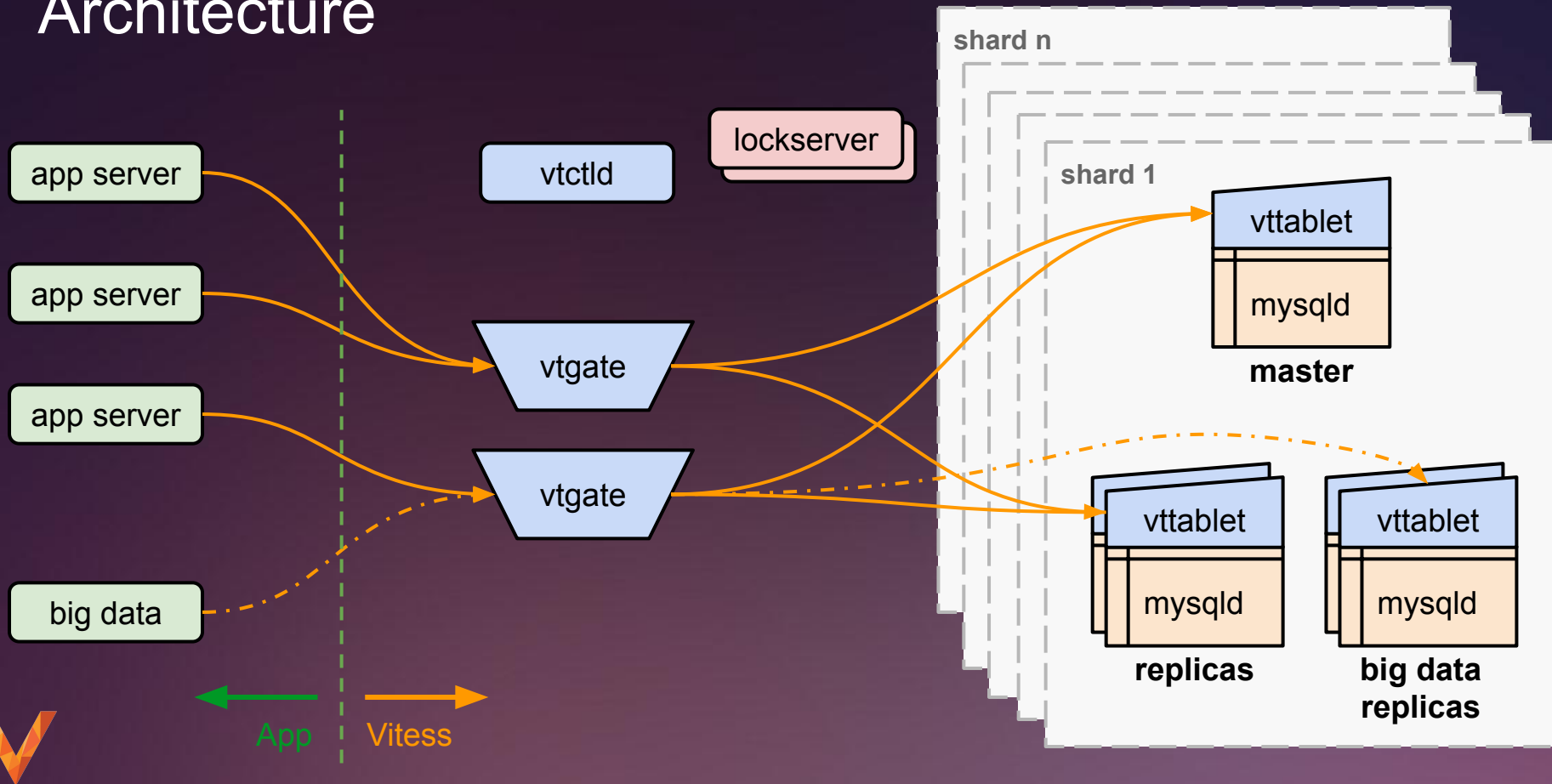
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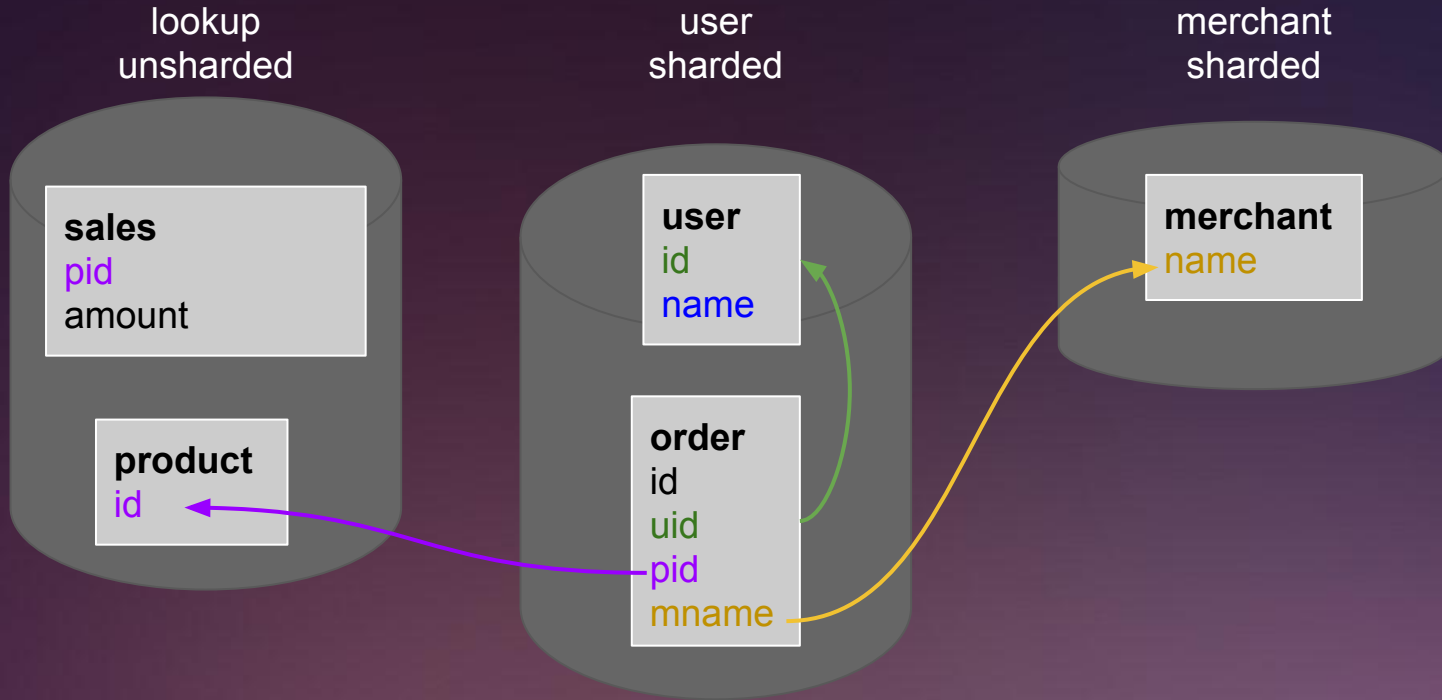
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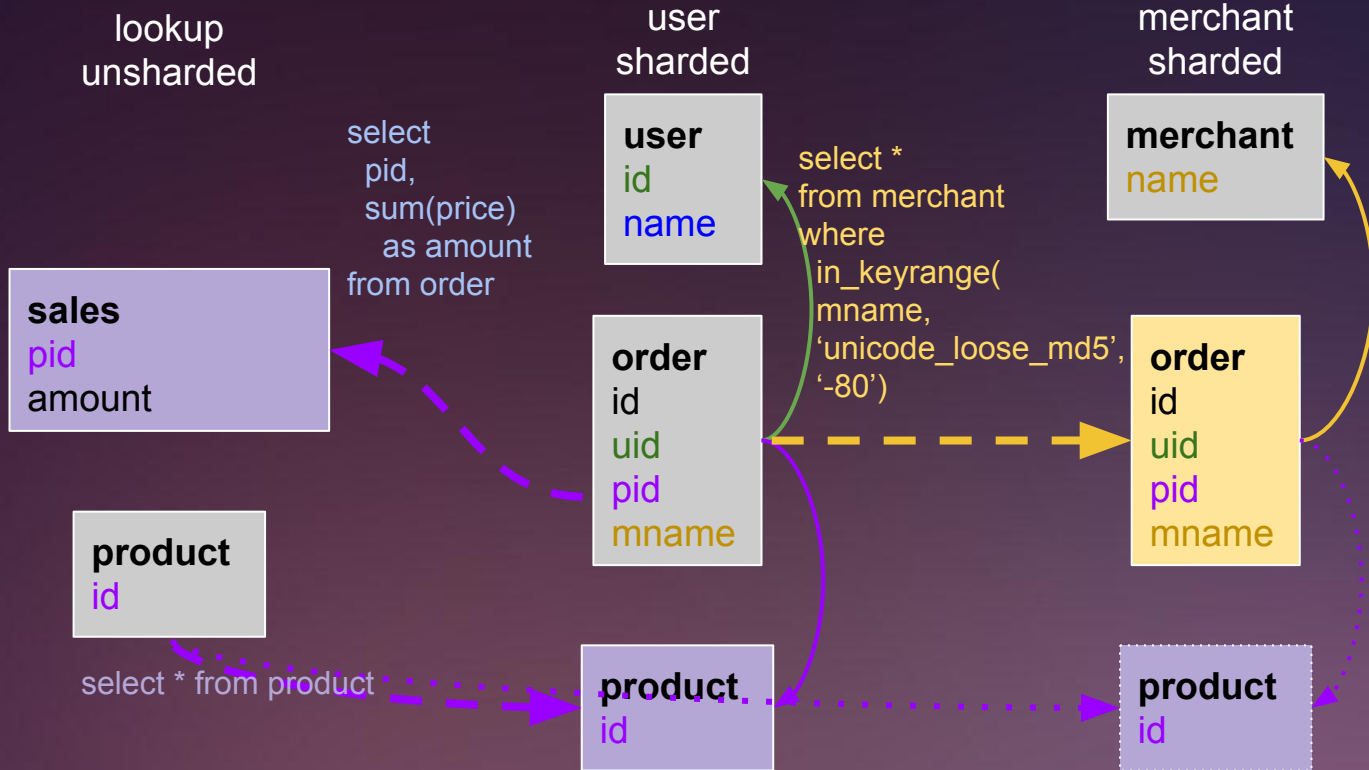
Architecture



VReplication



VReplication

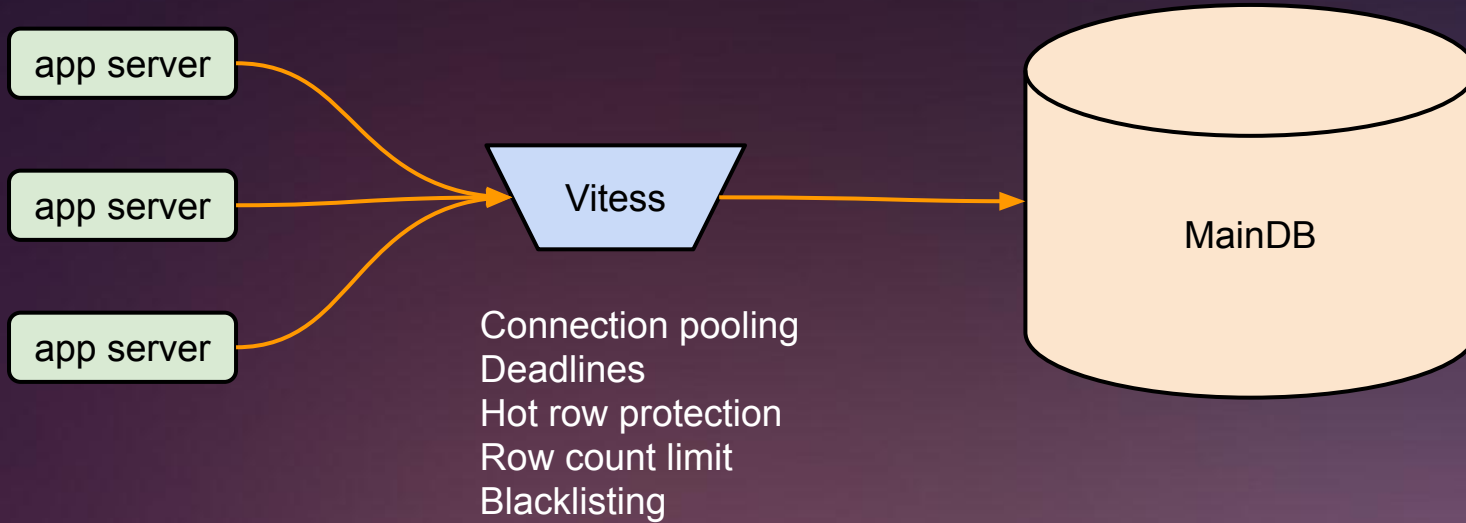


Questions?

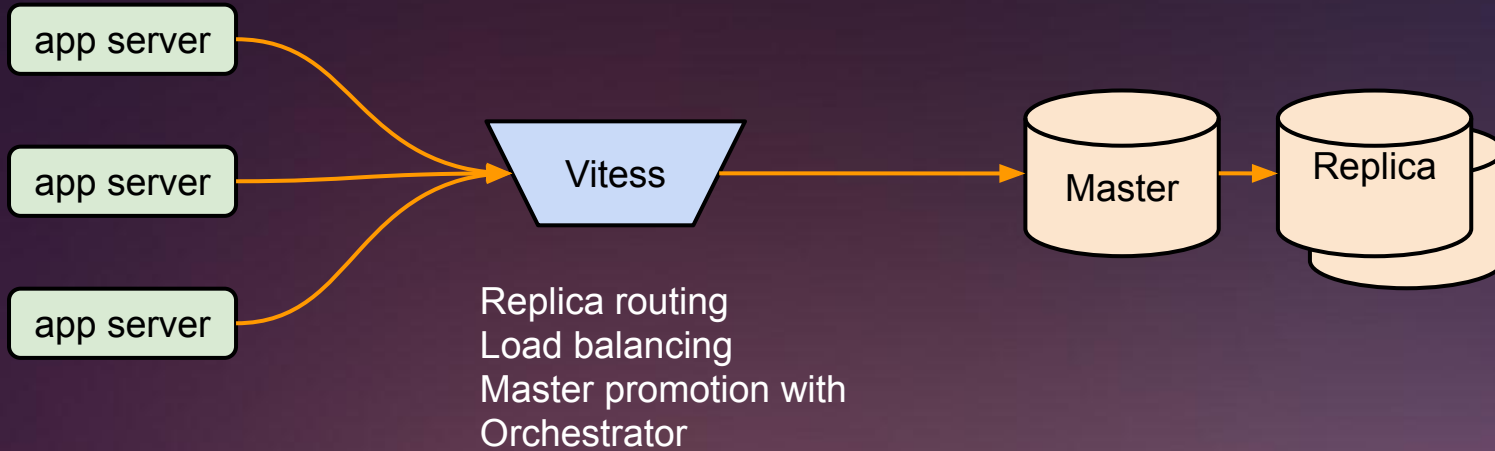
- Sign into slack channel at vitess.io
- Try bringing up a cluster using the tutorial
- GH: [http://github.com/vitessio/vitess](https://github.com/vitessio/vitess)



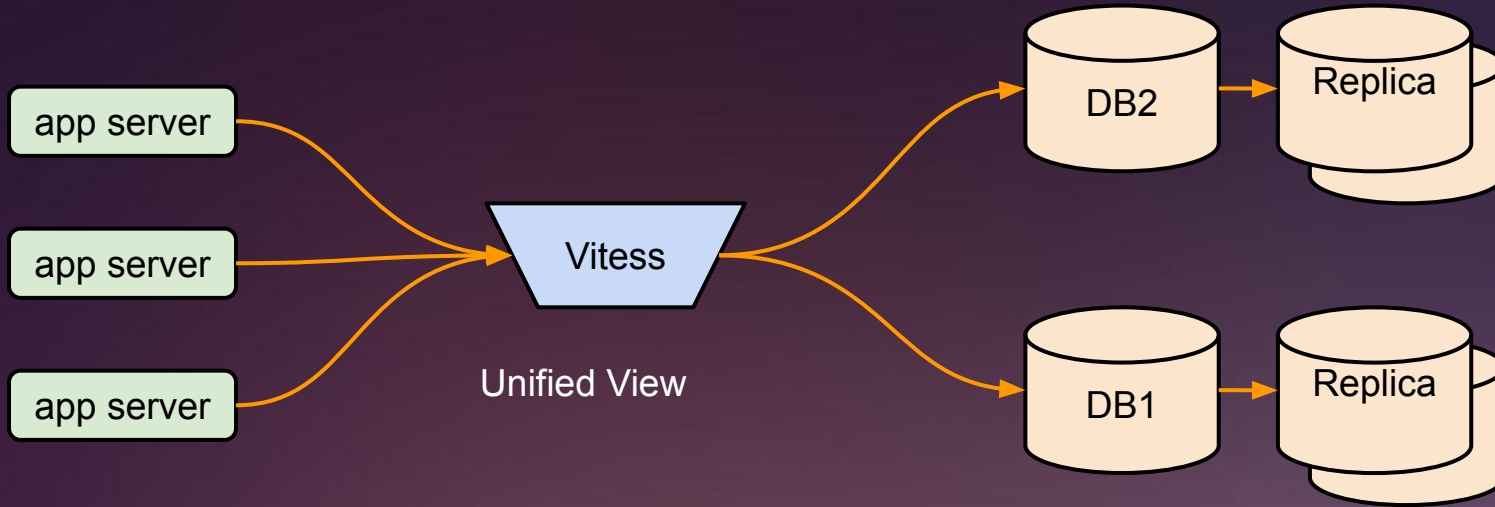
Growing with Vitess



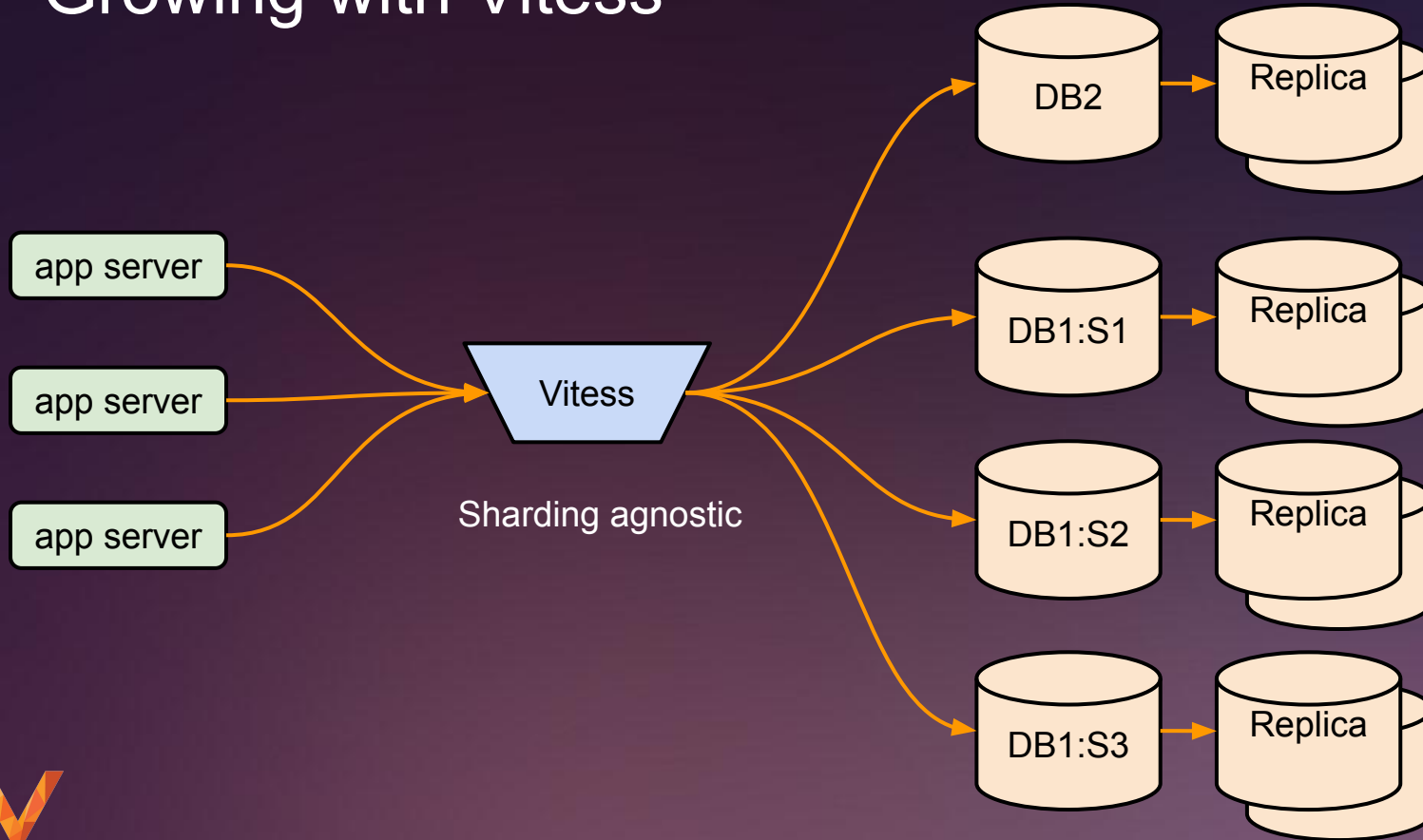
Growing with Vitess



Growing with Vitess



Growing with Vitess



Growing with Vitess

