Overview
Run the world's most scalable relational databases with Vitess, just like YouTube, Slack and Square Cash.

Executive Summary
PlanetScale provides an operator for Vitess, an open source sharding system, for the OpenShift Container Platform. We scale your relational databases allowing for simple deployments with all of the benefits of container runtimes.

PlanetScale with Vitess helps you shard widely with no changes to application logic. We transparently migrate tables into different databases, scale up or down instances and change the number of shards, with minimal intrusion and no downtime.

Statement from Partner
“PlanetScale enables the transformation of database workloads to cloud native platforms, allowing companies to operate and scale their databases alongside applications and microservices”, said Jiten Vaidya, the CEO of PlanetScale. “We transform database operations into software-defined workflows, leveraging the reliability, scalability and security provided by the OpenShift platform to provide best in class solutions for all database use cases”.

Statement from Red Hat Connect
“Developers and architects looking to build new applications in, and for the cloud, or migrate existing applications to a cloud-based infrastructure, partner with Red Hat to develop and deliver more supportable solutions sooner.” said Mike Werner, Sr. Director, Global Technology Partners, Red Hat. “Red Hat certification assures a supportable platform for all types of customer deployment models. Red Hat is thrilled to work with software partners like PlanetScale, resulting in the world’s largest open, and commercially supportable application ecosystem.”
**Product Benefits**

PlanetScale Vitess Operator for OpenShift is the database solution of choice for leading companies with complex database requirements. With PlanetScale, they can:

- Easily Increase performance on large MySQL instances
- Protect databases from dangerous queries
- Automate failovers and backup management
- Implement transparent sharding and resharding databases with no modification to application logic

---

**Use Cases**

PlanetScale’s and Vitess tools brings best-in-class database sharding management to production environments.

- **Scale**: When additional machines no longer meet your scaling needs, PlanetScale extends your scaling options
- **Shard**: Easily shard and reshard with PlanetScale, even when there are schema changes or cross-shard transactions
- **Protect**: Protect MySQL from dangerous queries with Guardrails
- **Containerized workflows**: Deploy your database alongside your applications and manage them with the same tools you use to deploy and scale your other container workloads

---

**Vitess is a Red Hat certified container and is available for customer download from the Red Hat certified container registry.**

[https://access.redhat.com/containers/#/vendor/planetscale](https://access.redhat.com/containers/#/vendor/planetscale)

**Deploy a Vitess cluster of your own.**

Write to us at beta@planetscale.com for early access.