Transsmart Uses Percona to Help Scale Their Business

Transsmart is a company that specializes in helping its customers make business-to-customer and business-to-business transportation processes better and more cost-efficient. Transsmart applications work mostly between small- and midsized-enterprises and transportation companies to provide better processes, better performance and better data for everybody involved in moving items around the globe. Their automation software for operational processes and logistics taps into the enormous potential for savings and optimization.

Transsmart’s databases not only keep track of important customer data, but track shipments across the globe. This data must be available in real-time to the companies shipping items, the companies transporting the items, as well as the people receiving the shipments.

As the Transsmart business has grown, their demands on their database have also grown. They see huge scaling demands on the horizon, and needed to scale their database to meet the demand – while still maintaining and optimizing uptime and performance.

After an initial internal attempt to migrate to a high-availability environment that was unsuccessful, they realized that a project of this magnitude required expert assistance. Percona was their next call. “We can’t run our business without all of the shipping and tracking data available to our customers,” said Daryl Peeters, Application Engineer at Transsmart. “We need to quickly redesign and initiate a plan for growth that kept our databases up, but ready for the future.”

Transsmart engaged Percona with a Percona Care consulting contract. They reviewed the Transsmart environment (InnoDB) and collected data to perform a health check audit. The audit looked at:

- Hardware
- Operating System
- Database Data and Design
- MySQL Configuration and Workload
- Query Optimization
- Security
- Backup
With changes to the schema, MySQL configuration options and query tuning, Percona was able to improve performance **178% within days**. They reduced the workload on the Transsmart environment so that the database wasn’t working at full capacity. As an additional service, they reorganized their backup solution so that data would be more readily available for analysis.

With these changes in place, and the help of Percona’s solutions experts, Transsmart could successfully plan for database scaling that would match their business growth – and still provide their customers with excellent services.

**Percona Server provides a stable environment for growth**

Transsmart is using Percona Server for MySQL. Percona Server is a free, fully compatible, enhanced, open source drop-in replacement for MySQL that provides superior performance, scalability and instrumentation. With over 1,900,000 downloads, Percona Server’s self-tuning algorithms and support for extremely high-performance hardware deliver excellent performance and reliability. “Between Percona Server and Percona’s technical account manager (TAM), the configuration changes have stabilized our environment and opened the door for our scaling requirements.”

**Percona Database Consulting quickly gets to the heart of issues, and optimizes performance**

Percona consultants have decades of experience solving complex database performance issues and design challenges. Available globally 24x7x365, Percona’s experts have worked remotely and on site with more than 3,000 clients. “Percona Consulting was able to quickly analyze our configuration, workload, and environment. The suggested changes were implemented fast, with no database downtime, and we saw an immediate improvement in our performance.”

**Contact Us Now**

To determine what open source database solution is right for your business, please call us at +1-888-316-9775 (USA), +44 203 608 6727 (Europe), or email us at sales@percona.com.