



**WattPad engaged
Percona Consulting to:**

- Optimize database workloads
- Tune queries
- Validate their Amazon RDS environment

Wattpad Uses Percona to Optimize Their Queries and Cloud Environment

Wattpad takes everything you love about storytelling, and turns it into a social, on-the-go experience. The result is a one-of-a-kind adventure in creation and discovery. To date, more than 45 million people around the world have joined Wattpad. Wattpad stories transcend borders, interests, and language. The Wattpad community collectively spends an incredible 15 billion minutes each month using Wattpad.

This makes responsive community interaction a high priority – which in turn makes a responsive and high-performance database a priority. Wattpad initially reached out to Percona to optimize their queries and Performance Schema configuration. “We need to make sure that our database runs at maximum performance,” said Ray Slakiniski, Lead Developer, Operations at Wattpad. “Tuning our queries and reviewing the Schema seems a solid start.”

Percona examined Wattpad’s database tables, Primary and Secondary Keys, and Schema configuration. With some fairly easy changes to queries and schema configuration, Percona’s Consulting experts were able to reduce the workload on Wattpad’s Amazon RDS infrastructure, increase performance and application response time.

As a secondary project, Wattpad wanted Percona to validate their Amazon RDS instances and environment. One of the great things about cloud storage is that you can spin it up or down, as needed, to support your changing environment. This allows you to scale on demand. The downside to this is over-provisioning your storage needs and over-paying for infrastructure you don’t need. Wattpad wanted to make sure their cloud environment was a good fit for their workload. “Obviously, we need an available database that is responsive to our workload, but at the same time we don’t want to pay for more infrastructure than we need to,” said Ray. “After Percona’s tuning efforts, and review of our instances in RDS, we were able to reduce our infrastructure costs and save money over the course of our year.”

“At Wattpad we have a lot of realtime updates and user interaction – we’re a social media site for writers. We need reads, writes, and our database workload to match our Amazon RDS provisioning. Percona helped us to validate that queries were tuned correctly, and that we were getting the most out of our cloud environment.”

*- Ray Slakiniski, Lead
Developer, Operations at
Wattpad*

Percona Consulting initiated an onsite visit first, then performed a database audit (which included a review of Wattpad's Amazon environment). Recommended changes were instituted over the course of four months so as not to disrupt any availability to users.

Percona Performance Optimization guarantees stability and performance

At Percona, we literally wrote the book on high-performance databases, and our high-performance blog is one of the most visited database resources on the Internet. You get the feeling we love this stuff. Percona can help maximize the performance of your database deployment by analyzing the status of your current configuration. As part of a Performance Audit, we will methodically, analytically review your servers and provide a detailed report of its current health as well as detail potential areas for improvement. Our analysis encompasses the full stack and provides you with detailed metrics and recommendations that go beyond the performance of your software to enable true performance optimization. "When we move forward in the future with any database issues – scaling, audits of the existing performance, whatever – Percona is the first call we are going to make," says Ray Slakinski of Wattpad.

Percona Infrastructure Architecture and Design validates that your environment matches your workload

Percona's database infrastructure architecture and design service is designed with the big picture in mind to make sure that your data is built on a solid foundation that will meet high-performance demands and stand the test of time. This service begins with a full analysis of your database, your applications and the surrounding infrastructure.

Based on that evaluation, we will provide design recommendations that take into account performance, availability, functionality, resilience, and future capacity. Our technical consultants will look at your network capacity and topology, and make specific recommendations that will enhance data flow.

Contact Us Now

To learn about any of our services, please contact us at (208) 473-2904 or +44 (203) 608-6727 in Europe or sales@percona.com.