Percona’s Expertise Provides Backup for Pivotal’s MySQL Data Service

Pivotal Cloud Foundry (PCF) is the premier platform for running modern applications atop either public and/or private clouds. PCF is a “cloud-native” application platform that accelerates software development without compromising operations on any cloud infrastructure. PCF users enjoy shorter development cycles, automated scalability, and an improved security posture for applications running on the platform. PCF is engineered to deliver a single software platform to run an entire enterprise—capable of scaling to support hundreds of developers and thousands of applications.

Operating at the forefront of cloud technology means that Pivotal’s technical environment is dynamic and demanding. Serving over half of the Fortune 500, Pivotal customers have high expectations. Using a service broker abstraction, applications on PCF can bind to services, including databases. Development teams can self-provision services on demand to rapidly build the cloud environment that they need to support their applications.

A wide range of data services is made available through the PCF Services Marketplace. Pivotal based its latest release of MySQL for PCF on Percona Server for MySQL.

The Pivotal team is highly skilled. They possess advanced technical knowledge and can triage most of the service and support requests they receive. However, for exceptional cases where domain-specific expertise and a forensic approach to tracking MySQL issues is needed, Pivotal retained Percona to ensure experts are always available to support Pivotal’s most challenging database requests.

Ryan Jones, Pivotal’s Senior Manager of Product says, “We handle the vast majority of cases ourselves, and that’s definitely our main objective. Knowing Percona’s experts are available for resolving complex challenges gives us complete confidence in our ability to manage all eventualities. When in-depth database knowledge is needed, we can turn to the Percona team for their specialist perspective.”

Pivotal first engaged Percona for the support of their MariaDB/Galera cluster environments. They were impressed with the Percona team’s accurate and responsive performance when resolving some difficult challenges in database operations and management.

Pivotal then leveraged Percona’s expertise for the development of MySQL for PCF v2. Based on Percona Server for MySQL, MySQL for PCF v2 provides an on-demand database for developers that is easy to operate and manage. An important factor for Pivotal in adopting Percona Server for MySQL for PCF v2 is that the development roadmap for Percona Server for MySQL is closely aligned to that of the MySQL core product. The collaboration means that Pivotal can offer MySQL for PCF v2 users high quality database support should the need arise.
“Originally, we used MariaDB to deliver v1 of MySQL for PCF, but found that for v2 Percona Server for MySQL remains more in line with Oracle’s delivery. Combined with the ability to provide responsive, knowledgeable support, we found Percona to be a better fit for our customer’s needs.” said Jones.

With PCF the ideal platform to run cloud-native applications, MySQL for PCF helps address the data layer. Developers can scale microservices with dedicated database instances, delivering one app per database. For Ryan Jones, this is a fascinating development for Pivotal, as it represents a step-change in scale and speed of delivery of services for PCF.

**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. Percona’s experts have worked remotely and on site with more than 3,000 clients.

**Percona Database Performance Audit validates that your environment matches your workload**

A Percona Database Performance Audit is designed to make sure that your data is built on a solid foundation that will meet high-performance demands. This service begins with a full analysis of your database, your applications and the surrounding infrastructure. It provides recommendations that consider performance, availability, functionality, resilience, and future capacity.

**Percona Server for MySQL®**

A free, fully compatible, enhanced, open source drop-in replacement for MySQL® that provides superior performance, scalability and instrumentation. With over 3,000,000 downloads, Percona Server for MySQL's self-tuning algorithms and support for extremely high-performance hardware delivers excellent performance and reliability.

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**Pivotal engaged Percona to:**

- Deliver MySQL expertise in the support of the MySQL data service for Pivotal Cloud Foundry
- Advise on the direction of MySQL data services in the development and delivery of PCF
- Provide a robust, high performance solution in Percona Server for MySQL that is the basis for their PCF MySQL data service