

Percona's database performance experts can help maximize the performance of your high availability database deployment with a performance audit, tuning and optimization to protect your environment against expensive outages and unplanned downtime.

Percona can:

- Assist you with projects of all sizes and complexities
- Provide a detailed analysis and plan for optimal performance that you can implement yourself or with our help.
- Ensure your deployment continues to perform optimally.
- Provide staff augmentation or even take over the full management of your servers to ensure continued performance and availability.

Top 5 Reasons to Use a High Availability Database Environment

The applications that your business depends on need data. Every minute of unplanned downtime impacts your revenue and reputation, resulting in unsatisfied customers and a decline in market share. Your data must be available at all times, especially as you scale to meet increasing business goals.

High availability (HA) is one of the solutions to improve performance, avoid data outages, survive and recover quickly from disasters. An HA environment helps guarantee that your database doesn't have a single point of failure, accommodates rapid growth and exponentially increasing database size, and enables the applications that power your business.

Below are the top five business reasons to maintain a high availability architecture for your database.

Reason #1: Businesses Require Data

No matter what your business revolves around, it requires data. If you're running a business today, you need a database that is always available to your business-critical applications. Whether they're customer- or employee-facing. Your sales portal, your inventory system, your customer data, your process applications, human resources, accounting, payroll, etc.: all of these NEED data to function. Without a functioning database, these systems and processes are useless.

Reason #2: Downtime Costs Money

There are hard and soft costs that come with data loss and the inability to move data. For example: SLA penalties, supply chain impact, missed sales, and other lost business opportunities. Needless to say, implementing high availability is certainly less expensive than an extended outage (or slow performance), especially when critical business objects hang in the balance.

The cost of having high available infrastructure management is minimal compared to the potential losses a business might incur during downtime or an outage.

Reason #3: Scalability

Data size is ALWAYS increasing. As your business scales to meet new revenue and business demands, your database needs to scale as well – both in size and performance. Not scaling your database to match the growing needs of your business can affect customer experience, and possibly limit revenue opportunities.

Reason #4: Compliance: Never Having to Say “We’re Down”

Outages are not only costly from a purely monetary perspective. If they persist, they can take up an inordinate amount of time as you’re forced to deal with compliance issues related to HIPAA, PCI, SOX and other industry regulations. HIPAA, for instance, has very specific rules and procedures that must be followed in the event of an outage, including data backup plans, disaster recovery plans, emergency mode operations plans and others. Granted, compliance requirements are far more encompassing than uptime and availability, but for an organization that wants to avoid fines for compliance violations, data backup and disaster recovery should be considered a high priority.

Reason #5 Customer Satisfaction and Loyalty

In today’s global online economy, an organization’s IT end-users and customers demand 24x7x365 access to applications. Given these high stakes, it’s not surprising that business continuity and disaster recovery are becoming top priorities for organizations of all types and sizes.

Percona Experts

Percona has the expertise to guarantee your high availability deployments. Our support staff has seen just about every type of environment, and know what works best, and when.

Percona Care

[Percona Care](#) provides a comprehensive Performance Audit and Health Check of your business-critical applications and systems to advise you on specific corrective actions for problems and tuning opportunities within your environment. The result is a complete diagnostic report with best practices you can implement to ensure your systems are tuned and running at the highest levels of performance, security and availability.

Percona Consulting

[Percona Database Consulting](#) guarantees quick database solutions that directly impact your business. 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 XtraDB Cluster

Percona XtraDB Cluster is an active/active high availability and high scalability open source solution for MySQL[®] clustering. It integrates [Percona Server](#) and [Percona XtraBackup](#) with the [Codership Galera](#) library of MySQL high availability solutions in a single package that enables you to create a cost-effective MySQL high availability cluster. [Percona XtraDB Cluster](#) has been downloaded over 780,000 times since its launch in April 2012.

Contact Us Now

To learn about how Percona can help you and for pricing information, please contact us at 1-888-316-9775 or 0-800-051-8984 in Europe or sales@percona.com.