Redis OSS Health Assessment

A Percona Health Assessment provides an in-depth evaluation of your Redis deployment, helping you optimize performance, enhance stability, and prepare for a smooth migration to Valkey. Our expert team assesses key aspects of your Redis environment, identifying areas for improvement to ensure efficient, secure, and scalable operations.

What it covers

Our assessment focuses on the following critical areas to optimize your Redis environment and facilitate a successful transition to Valkey:

Hardware and operating system

Evaluate operating system configuration, CPU, memory, storage, and more for optimal performance.

Performance metrics

Analyze latency, throughput, and memory usage to identify and resolve performance bottlenecks.

Stability and availability

Assess uptime, connection management, and persistence configurations for reliable, continuous operation.

Data integrity

Verify replication status, data consistency, and master-replica synchronization.

Resource utilization

Review CPU, disk I/O, and network I/O to ensure efficient use of system resources.

Configuration review

Check memory management, security settings, and cluster configurations.

Discuss your needs with our team

Or contact us directly at +1-888-316-9775 (USA), +44 203 608 6727 (Europe), or via email at sales@percona.com.

Client interactions
Analyze client connection patterns and command usage for optimal application interaction.

Monitoring and alerting
Review logging, alert configurations, and monitoring tools to maintain peak performance.

Backup and disaster recovery
Evaluate backup procedures and disaster recovery plans to safeguard data.

Scalability assessment
Assess growth patterns and scaling strategies for future requirements.

Application-specific checks
Review custom commands and data model for opportunities to optimize application performance.

High availability (HA) assessment
Analyze Sentinel and failover mechanisms to ensure a robust high-availability setup.

Migration path to Valkey
Determine the best migration strategy for a seamless transition from Redis to Valkey.

Valkey partners with Percona. Here's why you should, too.

As a trusted Valkey partner, Percona brings unmatched expertise in Redis and Valkey deployments. With our rigorous validation, tailored assessments, and open source commitment, we ensure your databases are prepared for optimal performance and scalability.

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