Foglight® for MySQL

Rapidly detect, diagnose and resolve performance issues across your physical, virtual and cloud-based MySQL database servers

Keeping your MySQL environment running at peak performance is essential to business continuity. Therefore, DBAs need granular real-time information about database performance and availability. Automated alerts, change tracking, compliance reporting and centralized management are also critical, especially in highly distributed environments.

With Foglight® for MySQL, DBAs can quickly and easily detect, diagnose and resolve performance issues — wherever, whenever and however they occur. Intuitive web-based dashboards alert you to emerging issues that might affect performance or availability, and a clear enterprise-wide view helps you optimize performance, availability, storage, reads and writes, and latency across all your physical, virtual and cloud-based MySQL database servers.

Foglight offers unattended 24x7 data collection, but its agentless architecture and minimal footprint ensure overhead is negligible on monitored hosts. And it's easy to deploy, so you can be up and running in no time.

FEATURES

Global view

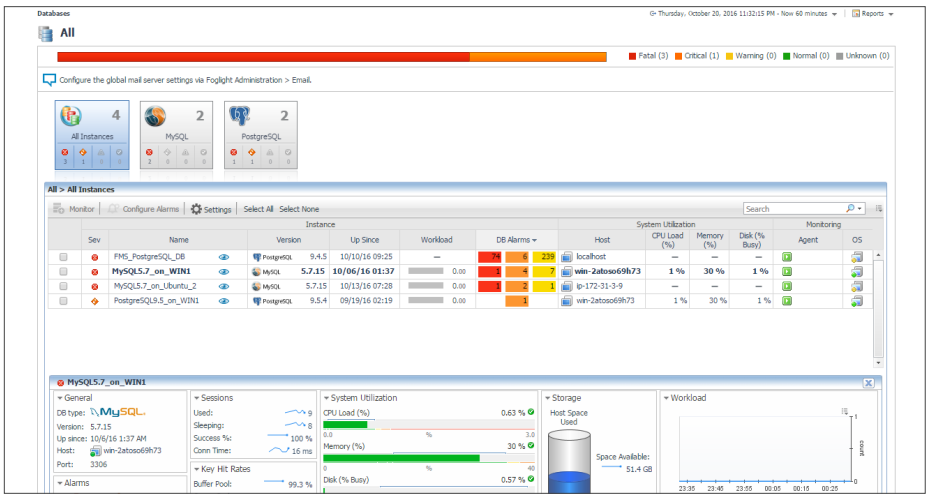
Review key health and performance metrics across all your monitored database instances from a single dashboard. Quickly identify the most critical alarms so you can immediately take action to resolve performance issues on your MySQL databases and their underlying hosts.

Workload analysis

Drill into every dimension of your data, including users, connections, SQL and sessions. A derived workload metric tells you how much work your server is performing for comparison to other MySQL servers.

Automated change tracking

See all changes made to the server configuration in any given time period — even through server restarts — and determine the impact of each change on performance.



Foglight for MySQL helps you ensure optimal database performance by delivering comprehensive database, storage and virtualization monitoring, plus advanced workload analytics.

BENEFITS:

- Helps maintain business continuity by providing real-time monitoring of database performance and intelligent alerting
- Facilitates server optimization with monitoring and analysis of connections, allocated and resident memory, page faults, profiled operations, replica sets, locks, and more
- Enables convenient drill-down into details to facilitate quick troubleshooting
- Provides intelligent alerting with a comprehensive workflow to minimize false alarms
- Offers enterprise scalability, so you can monitor hundreds of MongoDB database servers from a single management server
- Minimizes overhead on monitored database instances by executing data collection through remote agents

Foglight for MySQL makes it easy to visualize the performance of critical server components and the underlying host, as well as the flow of information between components.

SYSTEM REQUIREMENTS

SOFTWARE

Supported database versions:
MySQL 5.0+

MariaDB 5.0+

Requires Foglight Management Server (FMS) version 5.7.5 or higher

SUPPORTED DEPLOYMENT LOCATIONS

Both on-premises and cloud deployments

Comparison reporting

Easily spot and correct discrepancies by comparing database server configurations against your templates.

Lock analysis

Resolve MySQL concurrency issues in record time with historical reviews of lock and deadlock issues.

Replication

Visualize even the most complex replication environments, whether one-to-one or one-to-many. Receive alerts when replication breaks or lags.

Query analysis and statement digests

Understand query performance with a complete breakdown of resource consumption, wait and lock times, exceptions, and row counts. Compare the performance of similar queries across your MySQL servers and see full explain plans. Understand how workload is affected when specific statements are executed

Component visualization

Visualize the performance of critical server components and the underlying host. An interactive dashboard displays high-level server components and the flow of information between them, and alerts you when components are operating outside normal ranges.

Table visualization

Visualize all tables for all your MySQL databases on a single screen, with table health and basic properties.

Server metrics

Understand server performance by category. Quickly identify issues affecting server components and drill down to details for fast resolution.

InnoDB performance

Track performance indicators for InnoDB so you can allocate the correct amount of memory to your buffer pool, know if queries are waiting to enter InnoDB, understand how transactions affect InnoDB performance and more.

Centralized administration

Easily administer a large or distributed environment by managing connections, tables, flushes and resets centrally from any connected server. Ensure accountability with logs of all actions.

Intelligent alerting

Avoid false alerts with adaptive Intelliprofile thresholds, which ensure that alarms are triggered only when baselines are breached. Easily manage and annotate alarms, including scheduling blackouts for maintenance periods.

Enterprise-scale monitoring

Monitor hundreds of MySQL servers from a single management server.

Low overhead

Execute data collection through remote agents that ensure minimal overhead (no more than 2% CPU) is added to monitored database instances.

High granularity

Ensure high-integrity data collection with frequent collections, or customize collection frequency to meet your business requirements.

Embedded repository

Store historical monitoring data in the embedded data warehouse — there is no need to purchase or install additional database instances for storage of monitoring data. External repositories can be leveraged in larger deployments.

ABOUT QUEST

At Quest, our purpose is to solve complex problems with simple solutions. We accomplish this with a philosophy focused on great products, great service and an overall goal of being simple to do business with. Our vision is to deliver technology that eliminates the need to choose between efficiency and effectiveness, which means you and your organization can spend less time on IT administration and more time on business innovation.

Quest
4 Polaris Way, Aliso Viejo, CA 92656 | www.quest.com
If you are located outside North America, you can find local office information on our Web site.

DataSheet-Foglight4MySQL-US-KS-34622