Quest®

Foglight® for PostgreSQL

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

To keep databases running at peak performance and ensure business continuity, 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 PostgreSQL, 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 your entire physical, virtual and cloud-based PostgreSQL environment.

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.
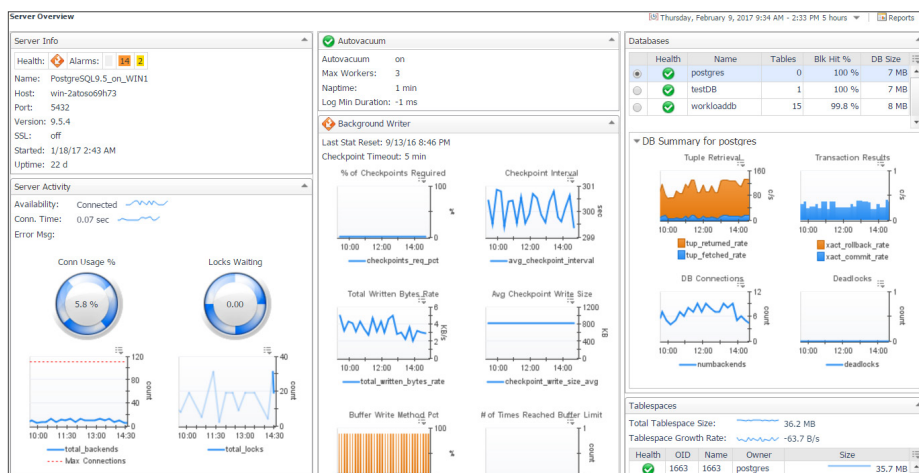
FEATURES

Server overview

Quickly review server health, performance and workload across your PostgreSQL environment. Foglight combines database metrics with host metrics to provide a complete picture of database server performance.

Workload analysis

See the amount of work each server is doing to support user requests. Drill down into every dimension of your data, including users, connections, SQL and sessions.

Database overview

Understand the health and performance of all your databases at a glance, including calculated workload, connections, database size, conflicts and statements executed. Drill down to detailed performance statistics for any database simply by selecting that database.

> Foglight for PostgreSQL delivers comprehensive performance monitoring, alerting, diagnostics and analytics for all your physical, virtual and cloud-based PostgreSQL database servers.

BENEFITS:

- Helps maintain business continuity by providing real-time monitoring of database performance and intelligent alerting

- Enables understanding of server and database health and performance at a glance

- Provides centralized monitoring, management and reporting across datacenters

- Speeds troubleshooting with convenient drill-down into granular details and expert advice

- Provides intelligent alerting with a comprehensive workflow to minimize false alarms

- Offers enterprise scalability, so you can monitor hundreds of PostgreSQL database servers from a single management server

- Minimizes overhead on monitored database instances by executing data collection through remote agents

The real-time, enterprise-wide view Foglight provides will help you optimize the performance of your physical, virtual and cloud-based PostgreSQL database servers.

> Thanks to its enterprise scalability, Foglight enables you to monitor hundreds of PostgreSQL database servers from a single management server.

Lock monitoring

See all current locks, including the user holding the lock, the process ID, the lock type, the number of locks waiting and granted, and the specific query responsible. Easily clear queries holding specific locks.

Replication

Optimize replication and ensure data integrity by monitoring all WAL senders and their connected applications, sender processes and receiver clients, and the current states of all WAL senders.

Query analysis

Evaluate the performance of critical statements with a complete breakdown showing the query, number of calls, average response time and more. View, sort or search the top statements collected from the server. Visualize statements by server or database, and switch between servers without leaving the page. Compare statement performance across servers. Get explain plans for selected statements.

Background Writer monitoring

Prevent database performance problems by monitoring write delays, which can limit the amount of memory in the shared buffer pool.

Function analysis

Analyze the behavior of critical PostgreSQL functions, including call rates, functions with the highest average self-time, and functions with the highest average total time.

Table visualization

Quickly visualize all tables for a given database on a single screen, with table health, basic properties and calculated table-level operations. Understand if reads from table indexes are successfully sourced from buffer cache rather than physical disk, and see the percentage of tuples returned from index versus sequential scans

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.

Easy troubleshooting

Speed problem resolution and discover chronic issues with embedded expert advice and convenient drill-down to granular details.

Enterprise-scale monitoring

Monitor hundreds of PostgreSQL database 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.

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