Quest® Foglight® for Azure SQL

Rapidly detect, diagnose and resolve performance issues across your Azure SQL Managed Instance, Elastic Pool, and Single Database environments

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

With Quest® Foglight® for Azure SQL, 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 Azure SQL environments, whether infrastructure-as-a-service or platform-as-a-service.

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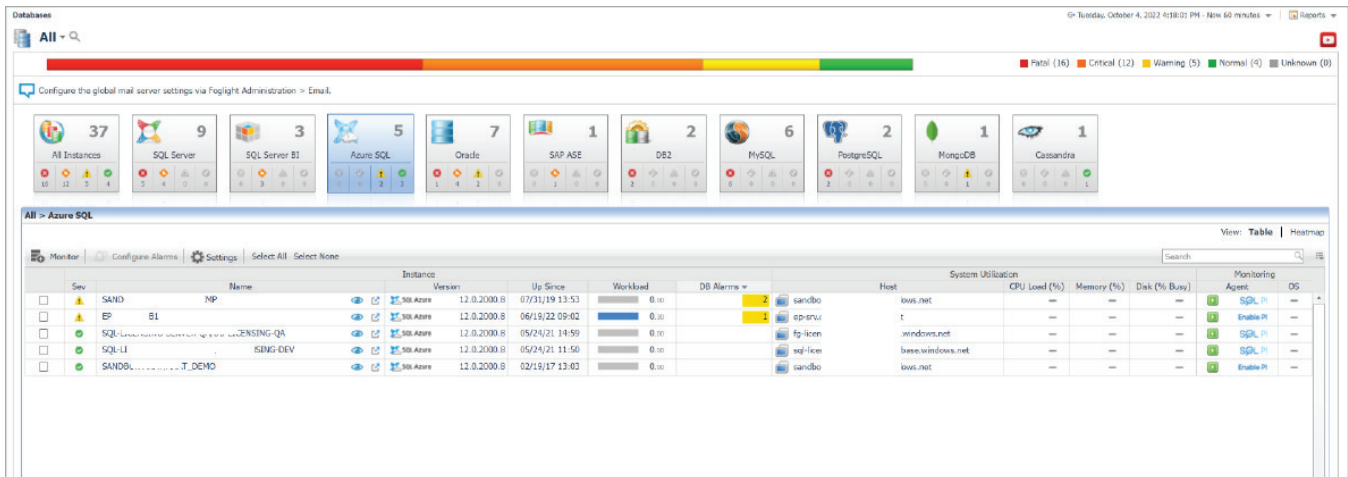
Features

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 Azure SQL.

> **Foglight for Azure SQL helps you ensure optimal database performance by delivering comprehensive monitoring, plus advanced workload analytics.**

Benefits:

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

- 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 Azure SQL databases from a single management server

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

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 Azure SQL databases.

Lock analysis

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

Query analysis

Understand query performance with a complete breakdown of resource consumption, wait and lock times, row counts, and more using the SQL Performance Investigator (SQL PI) component of Foglight for Azure SQL. See how workload is affected when specific statements are executed. Investigate by user, statement, schema, client machine, program, command type or operation for flexible analysis of workload issues.

Table visualization

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

Server metrics

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

Foglight for Azure SQL makes it easy to visualize the performance of critical database functions as well as the flow of information between components.

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 Azure SQL databases from a single management server.

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Low overhead

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

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.

SYSTEM REQUIREMENTS

Software

- **Supported database versions: Microsoft Azure SQL Elastic Pool databases**
- **Microsoft Azure SQL Single Database**
- **Requires Foglight Management Server (FMS) version 5.9.7 or higher**

Supported Deployment Locations

- **Both on-premises and cloud deployments**

About Quest

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Microsoft 365 migration and management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.

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