

Foglight[®] for MongoDB 6.0.0.15

Release Notes

Developed and tested for Foglight Management Server 6.0.0

July 2021

These release notes provide information about the Foglight[®] for MongoDB 6.0.0.15 release.

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Welcome to Foglight for MongoDB

Foglight for MongoDB[®] is designed to provide enterprises with a powerful tool that can act standalone or as part of broader cross-platform database monitoring requirements. To support enterprise performance Foglight for MongoDB[®] will support the monitoring of key functions including the MongoDB Server, Collections, Memory,

Replication, Profiled Operations and Storage Engine. As with all Foglight solutions, Foglight for MongoDB® will run as a native Foglight process leveraging the Foglight Agent Manager (FglAM) for communications with the agent. Foglight for MongoDB can be run locally (Agent on the Host) or remotely (Agent on FMS or Proxy Server). The solution will leverage the Foglight Rules Engine providing the ability to evaluate and alert on potential issues before they significantly affect performance and availability.

These Release Notes cover the resolved issues, known issues, workarounds and other important information about 6.0.0 release of Foglight for MongoDB. Review all sections before starting installation.

Foglight for MongoDB 6.0.0.15 is a minor release with new features and functionality. See [New in this release](#) and [Enhancements](#).

Enhancements

The following is a list of enhancements implemented in Foglight for MongoDB 6.0.0.

Table 1. General enhancements

Enhancement	Issue ID
Total execution time added to profiled ops historical aggregates table	FOGMONGO-288
Process JSON format logs for MongoDB v4.4+	FOGMONGO-248
Add metric chart(s) to Profiled Ops Live Buffer view	FOGMONGO-255
Link profiled operations aggregate table to buffer view bidirectionally	FOGMONGO-260
Switch for aggregate or buffer profiled ops data not available	FOGMONGO-47
Profiling data not available for mongos	FOGMONGO-47
When switching servers, only load RMI data when on Profiled Ops dashboard	FOGMONGO-250
Log if max number of profiled databases has been reached	FOGMONGO-261
Limit the number of databases for which to collect profiling data	FOGMONGO-287
Add query hash to groupable properties for profiled ops live buffer	FOGMONGO-286
Set upper limit on agent property ProfiledOpsBufferBytes	FOGMONGO-253
Don't schedule log collection if "Max entries to retrieve" is zero	FOGMONGO-252
Log at INFO when log collection isn't being scheduled	FOGMONGO-285
Sort profiled ops "other groups" by duration by default	FOGMONGO-284

Resolved issues

The following is a list of issues addressed in this release.

Table 2. Resolved issues

Resolved Issue	Issue ID
Update report "MongoDB Top Profiled Ops" for updated aggregation properties	FOGMONGO-241
Fix flakey profiled ops aggregate charts	FOGMONGO-265

Enhancements and resolved issues in version 6.0.0.10

The following is a list of issues addressed in version 6.0.0.10.

Table 3. Enhancements and resolved issues

Enhancement/Resolved Issue	
Collect profiled operations live buffer data. New Live Buffer dashboard added.	FOGMONGO-223
New utility rule "MongoDB Profiled Operation Cleanup" added.	FOGMONGO-230
Existing rules integrated with new alarm templates dashboard.	FOGMONGO-266
Rule categorization implemented.	FOGMONGO-232
Updated DB_Global_View_UI cartridge to v6.0.0.10.	FOGMONGO-267
Updated SMA_DB_Global cartridge to v6.0.0.10.	FOGMONGO-267
RMI service added.	FOGMONGO-223
Version-dependent feature documentation updated.	FOGMONGO-268
Added link from Replica Sets dashboard to cluster dashboard.	FOGMONGO-239
Cluster display override changed to a simple string in agent properties.	FOGMONGO-231
Agent property maximums increased for large clusters.	FOGMONGO-269
Improved database connection initialization message.	FOGMONGO-270
Improved agent caching of profiled operation aggregation query components.	FOGMONGO-271
Profiled operation collections now only attempted on databases with profiling enabled.	FOGMONGO-272
Display message on profiled operations dashboard when no profiling data present.	FOGMONGO-47
Databases for which profiling will be collected now logged (at debug level).	FOGMONGO-273
Aggregated profiled operations dashboard now updatable by time range.	FOGMONGO-274
Profiled operations now grouped by command, query hash when available.	FOGMONGO-230
Fixed scrolling of Profiled Ops Summary on Overview dashboard.	FOGMONGO-244
Profiled operations now only collected from mongod instances.	FOGMONGO-275
Profile aggregate collection start time now thread-safe.	FOGMONGO-276
Fixed UI queries only returning sharded cluster instances.	FOGMONGO-229

Enhancements and resolved issues in version 5.9.7.20.1

The following is a list of issues addressed in version 5.9.7.20.1.

Table 4. Enhancements and resolved issues

Enhancement/Resolved Issue	
Only navigation links relevant to instance now shown.	FOGMONGO-226
No longer collecting decommissioned mongos instances.	FOGMONGO-227
Replica set ID property now collected.	FOGMONGO-76
Default context now always supplied for Database page.	FOGMONGO-51
Harmonized UI module roles.	FOGMONGO-277
User and role monitoring disabled for databases failing initial permission check.	FOGMONGO-179

Known issues

The following is a list of issues known to exist at the time of release.

Table 5. Cartridge-related issues

Known Issue	Issue ID
Agent creation wizard is unavailable for MongoDB versions before 3.0.	FOGMONGO-258
Old version MongoDB replica sets may not be visible in Databases dashboard.	FOGMONGO-259
Hosts not aliased for entries in Replica Member table.	FOGMONGO-164
Pie chart on WiredTiger Connection dashboard does not respond to time range.	FOGMONGO-233
Agent requires username and password even when MongoDB configuration does not.	FOGMONGO-172
Workload metric unset on replica set.	FOGMONGO-200
Amazon DocumentDB monitoring not supported.	FOGMONGO-215

System requirements

Before installing Foglight for MongoDB, ensure that your system meets the following minimum hardware and software requirements detailed in *Foglight System Requirements and Platform Support Guide*.

Customers running large deployments (that is, with more than 20 agents) should consult the *Foglight for Databases Deployment Guide*.

Required privileges

For information on the required privileges, refer to the *Foglight for MongoDB Cartridge Guide*.

Product licensing

Foglight includes a licensing capability that restricts access to those features that are defined in the license. Any Management Server installation requires a license that grants access to server-specific parts of the browser interface and the features associated with them. Foglight cartridges are also license-protected. While some cartridges are covered by the base Foglight license (such as Foglight Agent Manager cartridges and the Foglight for Infrastructure), others may require an additional license.

Foglight for MongoDB is covered by the base Foglight license that allows cartridges to be installed.

To activate a trial or a purchased commercial license:

- 1 On the navigation panel, under Dashboards, click *Administration > Setup > Manage Licenses*.
- 2 Click **Install**.
- 3 In the **Install License** dialog box, click **Browse**.
- 4 In the file browser that appears, specify the location of the license file.
- 5 In the **Install License** dialog box, click **Install License**.

Getting started with Foglight for MongoDB

Contents of the release package

The Foglight for MongoDB 6.0.0.15 release package contains the following:

- Foglight for MongoDB cartridge:
 - *MongoDBAgent-6_0_0_15.car*
- Product documentation, including:
 - *Foglight for MongoDB Cartridge Guide* (PDF)
 - *Foglight for Databases Deployment Guide* (PDF)
 - *Foglight for MongoDB Server Release Notes* (this document)

Installation instructions

For installation pre-requisites, permissions, information necessary to determine your environment's hardware requirements, and for installation instructions, see the *Foglight for MongoDB Cartridge Guide*.

More resources

Additional information is available from the following:

- Online product documentation (<https://support.quest.com/technical-documents#F>)
- Foglight Community (<https://www.quest.com/community/products/foglight/>)

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release was not enabled and tested for international operation. Only U.S. English configurations of this product and U.S. English datasets are fully supported. Support for non-ASCII characters or non-English configurations may work appropriately, but these configurations have not been tested and this release should be used with caution in these environments.

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Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request.
- View Knowledge Base articles.
- Sign up for product notifications.
- Download software and technical documentation.
- View how-to-videos.
- Engage in community discussions.
- Chat with support engineers online.
- View services to assist you with your product.

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