Foglight® for MongoDB 7.3.0.10

Release Notes

Developed and tested for Foglight Management Server 7.3

August 2024

These release notes provide information about the Foglight® for MongoDB 7.3.0.10 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 7.3.0.10 release of Foglight for MongoDB. Review all sections before starting installation.

Foglight for MongoDB 7.3.0.10 is a minor release with new features and enhancements. See Enhancements.

Enhancements and resolved issues

The following is a list of enhancements implemented in Foglight for MongoDB 7.3.0.10

Enhancement	Issue ID
Fix error in discoverer error string encoding.	FOGMONGO-531
Bundle MongoDB cartridge with DocumentDB cartridge.	FOGMONGO-525
Bundle MongoDB cartridge with Atlas MongoDB cartridge.	FOGMONGO-524
Update SMA_DB_Global cartridge to v7.2.3.11.	FOGMONGO-527

Enhancements and resolved issues in version 7.2.3.10

The following is a list of enhancements implemented in Foglight for MongoDB 7.2.3.10

Enhancement	Issue ID
Ensure connection closure on agent initialization error.	FOGMONGO-522
Publish cartridge internally with Ivy.	FOGMONGO-521
Multiple improvements to Top Ten Alarms table.	FOGMONGO-474

Enhancements and resolved issues in version 7.2.1.25

The following is a list of enhancements implemented in Foglight for MongoDB 7.2.1.25

Enhancement	Issue ID
Fix collection index details not available on MongoDB v6.2+.	FOGMONGO-457

Update SMA Agent Core to 7.2.1.20.	FOGMONGO-520

Enhancements and resolved issues in version 7.2.1.10

The following is a list of enhancements implemented in Foglight for MongoDB 7.2.1.10

Enhancement	Issue ID
Fix not returning metrics for all collections up to collection limit.	FOGMONGO-450
Allow individual collection statistic failures.	FOGMONGO-446
Fix failure on sharded collection chunk count retrieval.	FOGMONGO-453

Enhancements and resolved issues in version 7.1.0.10

The following is a list of enhancements implemented in Foglight for MongoDB 7.1.0.10

Enhancement	Issue ID
Remove left panel navigation items accesible through nav bar	FOGMONGO-372
Enable setting log level per agent basis	FOGMONGO-351
Log changed agent properties	AGENTCORE-7
Log agent properties at agent startup	AGENTCORE-6
Update cartridge deployment IDs and names	FOGMONGO-353
Base logging on generic agent-core framework	FOGMONGO-350
Update SMA_DB_Global cartridge to v7.1.0.10	FOGMONGO-400
Update DB_Global_View_UI cartridge to v7.1.0.10	FOGMONGO-401

Enhancements and resolved issues in version 6.3.0.11

The following is a list of enhancements implemented in Foglight for MongoDB 6.3.0.11

Enhancement	Issue ID
Update SMA_DB_Global cartridge to v6.3.0.11.	FOGMONGO-352

Enhancements and resolved issues in version 6.3.0.10

The following is a list of enhancements implemented in Foglight for MongoDB 6.3.0.10

Enhancement	Issue ID
Remove Alarm Email Forwarder rules	FOGMONGO-332
Ensure profile status collection is scheduled if any dependent collection is scheduled.	FOGMONGO-342
Update MongoDB driver to 3.12.10.	FOGMONGO-341
Replace RMI with callbacks.	FOGMONGO-312
Eliminate empty/whitespace entries from profiled buffer allow list.	FOGMONGO-340
De-duplicate debug/prod agent properties.	FOGMONGO-330
Submit query insights (Top SQL) (FOGMONGO-327.	FOGMONGO-333
Update SMA_DB_Global cartridge to v6.3.0.10.	FOGMONGO-335
Update DB_Global_View_UI cartridge to v6.3.0.10.	FOGMONGO-336
Collect server-scoped MongoTopOps.	FOGMONGO-339
Remove Mongo_ProfileBuffer topology type.	FOGMONGO-279
Modernize all metric popup charts.	FOGMONGO-319
Fix balance between quick view components.	FOGMONGO-316
Remove unused features from Databases dashboard for mongos.	FOGMONGO-228
Fix workload unset on MongoReplicaSet, Mongo_Cluster.	FOGMONGO-200
Fix blank metric chart popup titles.	FOGMONGO-309
Do not fail on null/empty processed data in tables.	FOGMONGO-306
Do not submit CollStats for databases with no non-ignored collections.	FOGMONGO-337
Improve logging of null/empty data during tabulation and document processing.	FOGMONGO-338

Enhancements and resolved issues in version 6.1.0.10

The following is a list of enhancements implemented in Foglight for MongoDB 6.1.0.10

Enhancement	Issue ID
Introduced new standalone mock replica set type.	FOGMONGO-299
Added lifecycle script to upgrade existing standalone replica sets to new topology type.	FOGMONGO-302
Updated SMA_DB_Global cartridge to v6.1.0.10.	FOGMONGO-303
Fixed profiled ops aggregate table not responding to time range.	FOGMONGO-298

Enhancements and resolved issues in version 6.0.1

The following is a list of issues addressed in version 6.0.1.

Enhancement	Issue ID
Converted collection interval ASPs to secondary ASPs.	FOGMONGO- 292
Collect full profiled operation command.	FOGMONGO- 294
Sort, limit, and allow/deny list implemented for profiled operation collections.	FOGMONGO-261
Profiled ops buffer entries stored in single buffer per instance.	FOGMONGO-293
Eliminated the word 'error' from non ERROR-level log messages.	FOGMONGO-295
Updated SMA_DB_Global cartridge to v6.0.1.	FOGMONGO-296

Enhancements and resolved issues in version 6.0.0.16

The following is a list of issues addressed in version 6.0.0.16.

Enhancement	Issue ID
Fixed pie chart on WiredTiger Connections not responsive to time range.	FOGMONGO- 233
Global Search Annotation implemented.	FOGMONGO- 240

Enhancements and resolved issues in version 6.0.0.15

The following is a list of issues addressed in version 6.0.0.15.

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

Known issues

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

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
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 7.1.0.10 release package contains the following:

- Foglight for MongoDB cartridge:
  - *MongoDBAgent-7_1_0_10.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.

About us

Quest provides software solutions for the rapidly-changing world of enterprise IT. We help simplify the challenges caused by data explosion, cloud expansion, hybrid datacenters, security threats, and regulatory requirements. We are a global provider to 130,000 companies across 100 countries, including 95% of the Fortune 500 and 90% of the Global 1000. Since 1987, we have built a portfolio of solutions that now includes database management, data protection, identity and access management, Microsoft platform management, and unified endpoint management. With Quest, organizations spend less time on IT administration and more time on business innovation. For more information, visit www.quest.com.

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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