file. As this tracks the specific `mongod` file, it is crucial that file be unique and well labeled to make it easy to start and stop these processes.

Create additional *control scripts* and/or adjust your existing MongoDB configuration and control script as needed to control these processes.

Diagnostic Configurations

The following configuration options control various `mongod` behaviors for diagnostic purposes:

- `operationProfiling.mode` sets the *database profiler* (page 215) level. The profiler is not active by default because of the possible impact on the profiler itself on performance. Unless this setting is on, queries are not profiled.
- `operationProfiling.slowOpThresholdMs` configures the threshold which determines whether a query is "slow" for the purpose of the logging system and the *profiler* (page 215). The default value is 100 milliseconds. Set a lower value if the database profiler does not return useful results or a higher value to only log the longest running queries.
- `systemLog.verbosity` controls the amount of logging output that `mongod` write to the log. Only use this option if you are experiencing an issue that is not reflected in the normal logging level.

  Changed in version 3.0: You can also specify verbosity level for specific components using the `systemLog.component.<name>.verbosity` setting. For the available components, see `component verbosity settings`.

For more information, see also *Database Profiling* (page 215) and *Analyzing MongoDB Performance* (page 213).

Production Notes

This page details system configurations that affect MongoDB, especially in production.

Note: MongoDB Cloud Manager[55], a hosted service, and Ops Manager[56], an on-premise solution, provide monitoring, backup, and automation of MongoDB instances. See the MongoDB Cloud Manager documentation[57] and Ops Manager documentation[58] for more information.

MongoDB

Storage Engines Changed in version 3.0: MongoDB includes support for two storage engines: *MMAPv1* (page 91), the storage engine available in previous versions of MongoDB, and *WiredTiger* (page 90). MongoDB uses the MMAPv1 engine by default.

The files in the `dbPath` directory must correspond to the configured storage engine. `mongod` will not start if `dbPath` contains data files created by a storage engine other than the one specified by `--storageEngine`.

Supported Platforms MongoDB distributions are currently available for Mac OS X, Linux, Windows Server 2012, Windows Server 2008 R2 64bit, Windows 7 (64 bit), Windows Vista, and Solaris. The MongoDB distribution for Solaris does not include support for the *WiredTiger storage engine* (page 90).

[55] https://cloud.mongodb.com/?jmp=docs
[56] https://www.mongodb.com/products/mongodb-enterprise-advanced?jmp=docs
[57] https://docs.cloud.mongodb.com/
[58] https://docs.opsmanager.mongodb.com?jmp=docs