

MongoDB Enterprise Features

Auditing

Auditing (page 330) in MongoDB Enterprise can filter on *any field in the audit message* (page 424), including the fields returned in the *param* (page 425) document. This enhancement, along with the `auditAuthorizationSuccess` parameter, enables auditing to filter on CRUD operations. However, enabling `auditAuthorizationSuccess` to audit of all authorization successes degrades performance more than auditing only the authorization failures.

Additional Information

Changes Affecting Compatibility

Compatibility Changes in MongoDB 3.0 The following 3.0 changes can affect the compatibility with older versions of MongoDB. See *Release Notes for MongoDB 3.0* (page 785) for the full list of the 3.0 changes.

Storage Engine

Configuration File Options Changes With the introduction of additional storage engines in 3.0, some configuration file options have changed:

Previous Setting	New Setting
<code>storage.journal.commitIntervalMs</code>	<code>storage.mmapv1.journal.commitIntervalMs</code>
<code>storage.journal.debugFlags</code>	<code>storage.mmapv1.journal.debugFlags</code>
<code>storage.nsSize</code>	<code>storage.mmapv1.nsSize</code>
<code>storage.preallocDataFiles</code>	<code>storage.mmapv1.preallocDataFiles</code>
<code>storage.quota.enforced</code>	<code>storage.mmapv1.quota.enforced</code>
<code>storage.quota.maxFilesPerDB</code>	<code>storage.mmapv1.quota.maxFilesPerDB</code>
<code>storage.smallFiles</code>	<code>storage.mmapv1.smallFiles</code>

3.0 `mongod` instances are backward compatible with existing configuration files, but will issue warnings when if you attempt to use the old settings.

Data Files Must Correspond to Configured Storage Engine The files in the `dbPath` directory must correspond to the configured storage engine (i.e. `--storageEngine`). `mongod` will not start if `dbPath` contains data files created by a storage engine other than the one specified by `--storageEngine`.

See also:

Change Storage Engine to WiredTiger sections in *Upgrade MongoDB to 3.0* (page 810)

WiredTiger and Driver Version Compatibility For MongoDB 3.0 deployments that use the WiredTiger storage engine, the following operations return no output when issued in previous versions of the `mongo` shell or drivers:

- `db.getCollectionNames()`
- `db.collection.getIndexes()`
- `show collections`
- `show tables`

Use the 3.0 `mongo` shell or the *3.0 compatible version* (page 808) of the official drivers when connecting to 3.0 `mongod` instances that use WiredTiger. The 2.6.8 `mongo` shell is also compatible with 3.0 `mongod` instances that use WiredTiger.