



Chapter 3: Auditing and Best Practices

Homework 3.3 : Enable DML audit

[Back to the Question](#)

Understanding that CRUD operations can be audited by enabling the `auditAuthorizationSuccess` server parameter is the key to this exercise.

First, we need to set up our directory structure:

```
$ mkdir -p ~/M310-HW-3.3/{r0,r1,r2}
```

COPY

After that we can go ahead and start each member of our replica set, passing the `--setParameter auditAuthorizationSuccess=true` option to each `mongod`.

```
$ mongod --dbpath ~/M310-HW-3.3/r0 --logpath ~/M310-HW-3.3/r0/mongo.log
--port 31330 \
    --fork --replSet HW-3.3 --auditDestination file --auditFormat
JSON \
    --auditPath ~/M310-HW-3.3/r0/auditLog.json --setParameter
auditAuthorizationSuccess=true
$ mongod --dbpath ~/M310-HW-3.3/r1 --logpath ~/M310-HW-3.3/r1/mongo.log
--port 31331 \
    --fork --replSet HW-3.3 --auditDestination file --auditFormat
JSON \
    --auditPath ~/M310-HW-3.3/r1/auditLog.json --setParameter
auditAuthorizationSuccess=true
$ mongod --dbpath ~/M310-HW-3.3/r2 --logpath ~/M310-HW-3.3/r2/mongo.log
--port 31332 \
    --fork --replSet HW-3.3 --auditDestination file --auditFormat
JSON \
    --auditPath ~/M310-HW-3.3/r2/auditLog.json --setParameter
auditAuthorizationSuccess=true
```

COPY

From here, all we need to do is connect to the `mongod` running on port **31330**, initiate the replica set, and add the other members.

```
$ mongo --port 31330
use admin
rs.initiate()
rs.add('database.m310.mongodb.university:31331')
rs.add('database.m310.mongodb.university:31332')
```

COPY