

```
(base) seantoon_snhu@nv-snhu7-l01: /usr/local/dataset$ mongoimport --username="${MONGO_USER}" --password="${MONGO_PASS}" --port=${MONGO_PORT} --host=${MONGO_HOST} --db AAC --collection animals --authenticationDatabase admin --drop --type=csv --headerline --file=aac_shelter_outcomes.csv
2023-11-14T14:52:44.122+0000 connected to: mongodb://nv-desktop-services.apporto.com:30197/
2023-11-14T14:52:44.123+0000 dropping: AAC.animals
2023-11-14T14:52:44.511+0000 10000 document(s) imported successfully. 0 document(s) failed to import.
(base) seantoon_snhu@nv-snhu7-l01: /usr/local/dataset$
```

```
seantoon_snhu@nv-snhu7-l02: ~
AAC> db.animals.find({"breed": 1}).explain()
{
  explainVersion: '1',
  queryPlanner: {
    namespace: 'AAC.animals',
    indexFilterSet: false,
    parsedQuery: { breed: { '$eq': 1 } },
    queryHash: '17252B62',
    planCacheKey: '8F94FD79',
    maxIndexedOrSolutionsReached: false,
    maxIndexedAndSolutionsReached: false,
    maxScansToExplodeReached: false,
    winningPlan: {
      stage: 'FETCH',
      inputStage: {
        stage: 'IXSCAN',
        keyPattern: { breed: 1 },
        indexName: 'breed_1',
        isMultiKey: false,
        multiKeyPaths: { breed: [] },
        isUnique: false,
        isSparse: false,
        isPartial: false,
        indexVersion: 2,
        direction: 'forward',
        indexBounds: { breed: [ '[1, 1]' ] }
      }
    },
    rejectedPlans: []
  },
  command: { find: 'animals', filter: { breed: 1 }, '$db': 'AAC' },
  serverInfo: {
    host: 'csdev-mongoddb-75c4b75ffb-9jffh',
    port: 27017,
    version: '6.0.3',
    gitVersion: 'f803681c3ae19817d31958965850193de067c516'
  },
  serverParameters: {
    internalQueryFacetBufferSizeBytes: 104857600,
    internalQueryFacetMaxOutputDocSizeBytes: 104857600,
    internalLookupStageIntermediateDocumentMaxSizeBytes: 104857600,
    internalDocumentSourceGroupMaxMemoryBytes: 104857600,
    internalQueryMaxBlockingSortMemoryUsageBytes: 104857600,
    internalQueryProhibitBlockingMergeOnMongoS: 0,
    internalQueryMaxAddToSetBytes: 104857600,
    internalDocumentSourceSetWindowFieldsMaxMemoryBytes: 104857600
  },
  ok: 1
}
AAC> quit
(base) seantoon_snhu@nv-snhu7-l02: ~$
```



seantoon_snhu@nv-snhu7-l02: ~

```
AAC> db.animals.find({ "breed": 1 , "outcome_type": "Transfer" }).explain()
```

```
{
  explainVersion: '1',
  queryPlanner: {
    namespace: 'AAC.animals',
    indexFilterSet: false,
    parsedQuery: {
      '$and': [
        { breed: { '$eq': 1 } },
        { outcome_type: { '$eq': 'Transfer' } }
      ]
    },
    queryHash: 'E7C1F5D3',
    planCacheKey: '6D4334F6',
    maxIndexedOrSolutionsReached: false,
    maxIndexedAndSolutionsReached: false,
    maxScansToExplodeReached: false,
    winningPlan: {
      stage: 'FETCH',
      filter: { outcome_type: { '$eq': 'Transfer' } },
      inputStage: {
        stage: 'IXSCAN',
        keyPattern: { breed: 1 },
        indexName: 'breed_1',
        isMultiKey: false,
        multiKeyPaths: { breed: [] },
        isUnique: false,
        isSparse: false,
        isPartial: false,
        indexVersion: 2,
        direction: 'forward',
        indexBounds: { breed: [ '[1, 1]' ] }
      }
    },
    rejectedPlans: []
  },
  command: {
    find: 'animals',
    filter: { breed: 1, outcome_type: 'Transfer' },
    '$db': 'AAC'
  },
  serverInfo: {
    host: 'csdev-mongodb-75c4b75ffb-9jffh',
    port: 27017,
    version: '6.0.3',
    gitVersion: 'f803681c3ae19817d31958965850193de067c516'
  },
  serverParameters: {
    internalQueryFacetBufferSizeBytes: 104857600,
    internalQueryFacetMaxOutputDocSizeBytes: 104857600,
    internalLookupStageIntermediateDocumentMaxSizeBytes: 104857600,
    internalDocumentSourceGroupMaxMemoryBytes: 104857600,
    internalQueryMaxBlockingSortMemoryUsageBytes: 104857600,
    internalQueryProhibitBlockingMergeOnMongoS: 0,
    internalQueryMaxAddToSetBytes: 104857600,
    internalDocumentSourceSetWindowFieldsMaxMemoryBytes: 104857600
  },
  ok: 1
}
AAC> quit
(base) seantoon_snhu@nv-snhu7-l02:~$
```

```
(base) seantoon_snhu@nv-snhu7-l02:~$ mongosh
Current Mongosh Log ID: 6553d21f2510b5dffb0373f0
Connecting to:      mongodb://<credentials>@nv-desktop-services.apporto.com:30197/?directConnection=true&appName=mongosh+1.8.0
Using MongoDB:      6.0.3
Using Mongosh:      1.8.0

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

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  The server generated these startup warnings when booting
  2023-11-14T19:25:24.438+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://c
rodnotes-filesystem
  2023-11-14T19:25:26.320+00:00: vm.max_map_count is too low
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  Enable MongoDB's free cloud-based monitoring service, which will then receive and display
  metrics about your deployment (disk utilization, CPU, operation statistics, etc).

  The monitoring data will be available on a MongoDB website with a unique URL accessible to you
  and anyone you share the URL with. MongoDB may use this information to make product
  improvements and to suggest MongoDB products and deployment options to you.

  To enable free monitoring, run the following command: db.enableFreeMonitoring()
  To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
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test> use AAC
switched to db AAC
AAC> use admin
switched to db admin
admin> db.createUser({ user:"aacuser", pwd: "1234MandS", roles: [{ role: "readWrite" , db: "AAC" }]])
{ ok: 1 }
admin> MONGO_USER=aacuser MONGO_PASS=1234MandS

(base) seantoon_snhu@nv-snhu7-l02:~$ cd /usr/local/datasets
bash: cd /usr/local/datasets: No such file or directory
(base) seantoon_snhu@nv-snhu7-l02:~$ cd /usr/local/datasets
(base) seantoon_snhu@nv-snhu7-l02:~$ cd /usr/local/datasets$ MONGO_USER=aacuser
(base) seantoon_snhu@nv-snhu7-l02:~$ cd /usr/local/datasets$ MONGO_PASS=1234MandS
(base) seantoon_snhu@nv-snhu7-l02:~$ cd /usr/local/datasets$ printenv | grep -i mongo
MONGO_USER=aacuser
MONGO_HOST=nv-desktop-services.apporto.com
MONGO_PASS=1234MandS
MONGO_PORT=30197
(base) seantoon_snhu@nv-snhu7-l02:~$ cd /usr/local/datasets$ mongosh
Current Mongosh Log ID: 6553d87000ffaf06d7627569
Connecting to:      mongodb://<credentials>@nv-desktop-services.apporto.com:30197/?directConnection=true&appName=mongosh+1.8.0
Using MongoDB:      6.0.3
Using Mongosh:      1.8.0

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

test> db.runCommand({connectionStatus:1})
{
  authInfo: {
    authenticatedUsers: [ { user: 'aacuser', db: 'admin' } ],
    authenticatedUserRoles: [ { role: 'readWrite', db: 'AAC' } ]
  },
  ok: 1
}
```