



Course Overview



View Discussion

## Final Exam

### Final: Question 3

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#### Problem:

Given the following output from `rs.status().members`:

```
[
  {
    "_id": 0,
    "name": "localhost:27017",
    "health": 1,
    "state": 1,
    "stateStr": "PRIMARY",
    "uptime": 548,
    "optime": {
      "ts": Timestamp(1521038871, 1),
      "t": NumberLong("1")
    },
    "optimeDate": ISODate("2018-03-14T14:47:51Z"),
    "electionTime": Timestamp(1521038358, 2),
    "electionDate": ISODate("2018-03-14T14:39:18Z"),
    "configVersion": 2,
    "self": true
  },
  {
    "_id": 1,
    "name": "localhost:27018",
    "health": 1,
    "state": 2,
    "stateStr": "SECONDARY",
    "uptime": 289,
```

COPY

```
"optime": {
  "ts": Timestamp(1521038871, 1),
  "t": NumberLong("1")
},
"optimeDurable": {
  "ts": Timestamp(1521038871, 1),
  "t": NumberLong("1")
},
"optimeDate": ISODate("2018-03-14T14:47:51Z"),
"optimeDurableDate": ISODate("2018-03-14T14:47:51Z"),
"lastHeartbeat": ISODate("2018-03-14T14:47:56.558Z"),
"lastHeartbeatRecv": ISODate("2018-03-14T14:47:56.517Z"),
"pingMs": NumberLong("0"),
"syncingTo": "localhost:27022",
"configVersion": 2
},
{
  "_id": 2,
  "name": "localhost:27019",
  "health": 1,
  "state": 2,
  "stateStr": "SECONDARY",
  "uptime": 289,
  "optime": {
    "ts": Timestamp(1521038871, 1),
    "t": NumberLong("1")
  },
  "optimeDurable": {
    "ts": Timestamp(1521038871, 1),
    "t": NumberLong("1")
  },
  "optimeDate": ISODate("2018-03-14T14:47:51Z"),
  "optimeDurableDate": ISODate("2018-03-14T14:47:51Z"),
  "lastHeartbeat": ISODate("2018-03-14T14:47:56.558Z"),
  "lastHeartbeatRecv": ISODate("2018-03-14T14:47:56.654Z"),
  "pingMs": NumberLong("0"),
  "syncingTo": "localhost:27022",
  "configVersion": 2
},
{
  "_id": 3,
  "name": "localhost:27020",
  "health": 1,
```

```
"state": 2,
"stateStr": "SECONDARY",
"uptime": 289,
"optime": {
  "ts": Timestamp(1521038871, 1),
  "t": NumberLong("1")
},
"optimeDurable": {
  "ts": Timestamp(1521038871, 1),
  "t": NumberLong("1")
},
"optimeDate": ISODate("2018-03-14T14:47:51Z"),
"optimeDurableDate": ISODate("2018-03-14T14:47:51Z"),
"lastHeartbeat": ISODate("2018-03-14T14:47:56.558Z"),
"lastHeartbeatRecv": ISODate("2018-03-14T14:47:56.726Z"),
"pingMs": NumberLong("0"),
"syncingTo": "localhost:27022",
"configVersion": 2
},
{
  "_id": 4,
  "name": "localhost:27021",
  "health": 0,
  "state": 8,
  "stateStr": "(not reachable/healthy)",
  "uptime": 0,
  "optime": {
    "ts": Timestamp(0, 0),
    "t": NumberLong("-1")
  },
  "optimeDurable": {
    "ts": Timestamp(0, 0),
    "t": NumberLong("-1")
  },
  "optimeDate": ISODate("1970-01-01T00:00:00Z"),
  "optimeDurableDate": ISODate("1970-01-01T00:00:00Z"),
  "lastHeartbeat": ISODate("2018-03-14T14:47:56.656Z"),
  "lastHeartbeatRecv": ISODate("2018-03-14T14:47:12.668Z"),
  "pingMs": NumberLong("0"),
  "lastHeartbeatMessage": "Connection refused",
  "configVersion": -1
},
{
```

```
"_id": 5,
"name": "localhost:27022",
"health": 1,
"state": 2,
"stateStr": "SECONDARY",
"uptime": 289,
"optime": {
  "ts": Timestamp(1521038871, 1),
  "t": NumberLong("1")
},
"optimeDurable": {
  "ts": Timestamp(1521038871, 1),
  "t": NumberLong("1")
},
"optimeDate": ISODate("2018-03-14T14:47:51Z"),
"optimeDurableDate": ISODate("2018-03-14T14:47:51Z"),
"lastHeartbeat": ISODate("2018-03-14T14:47:56.558Z"),
"lastHeartbeatRecv": ISODate("2018-03-14T14:47:55.974Z"),
"pingMs": NumberLong("0"),
"syncingTo": "localhost:27017",
```

Correct! [SEE DETAILED ANSWER](#)

×

```
,,
{
  "_id": 6,
  "name": "localhost:27023",
  "health": 1,
  "state": 2,
  "stateStr": "SECONDARY",
  "uptime": 289,
  "optime": {
    "ts": Timestamp(1521038871, 1),
    "t": NumberLong("1")
  },
  "optimeDurable": {
    "ts": Timestamp(1521038871, 1),
    "t": NumberLong("1")
  },
  "optimeDate": ISODate("2018-03-14T14:47:51Z"),
  "optimeDurableDate": ISODate("2018-03-14T14:47:51Z"),
  "lastHeartbeat": ISODate("2018-03-14T14:47:56.558Z"),
  "lastHeartbeatRecv": ISODate("2018-03-14T14:47:56.801Z"),
  "pingMs": NumberLong("0"),
  "syncingTo": "localhost:27022",
```

```
"configVersion": 2
}
]
```

At this moment, how many replica set members are eligible to become primary in the event of the current Primary crashing or stepping down?

Attempts Remaining: **Correct Answer**   

Choose the best answer:

☒ 5

☐ 6

☐ 4

☐ 7

Correct!

[See detailed answer](#)

[Proceed to next section](#)

**Assignment is Due**

**18d:01hr:08m**

Dec 17, 17:00 UTC

**Your Grade**

**PASS/FAIL**

Submitted