



تأصنم ربح تادنتسملل ةهجوملا تانايبلا دعاوقل ردصملا نم حاتم جم انرب وه MongoDB CPS في فثكم لكش ب MongoDB مادختسا متي. NoSQL DB. جم انربك هفئصت مت. لمعملل ،ديصرلاو، (SPR) كرتشملا فيرعت فلم عدوتسمو، DBs لمع ةسلجل ةفلتخملل عاونألل ةرادل ،كلذلى امو.

## ةلكشملا

AIDO\_client لازي ال امنيب حيحص ريغ DB ةئزت عاغل لمعب موقت امندن MongoDB لطعتي sessionMgr لخاد اطشن.

اهتباتك اهنكمي ال نكلو ةركاذلا في تانايبلا بظافتحالاب MongoDB مايق ىلى كلذ يذوي مائل ةدعاق تاراسم ىلع ايلحم.

ىلع (يداحل ليثم) يساسأل وضعلل ليغشت ةداعل ةلاح في تانايبلا دقف ىلى كلذ يذوي دق VM لمعلل ةسلجل ليغشت ةداعل وأ ةرثأتملا ةلثامتملا خسنللا ةوعومجم.

نيلل اعاضألل دحل ىلى لوخدلا ليحست كنكمي ،فلات هنا ىلع DB وضع روهظ ةيفي كمهفل اهريفوت متي لتلقحتل تاي لمع اعرجول لكاشم نوهجاوي.

امندن نكلو DB ةمئاقل تاجرم ةيأ عاجرا متي مل ، **show dbs** رملل ليغشت دنع 1. ةوطخلل ددعل اعجرت اهنإف ،اهب ملعت يتلل تانايبلا ةدعاق لخاد ددعل نم ققحتت.

```
[root@lab-1-pcrfclient01 ~]# mongo --host sessionmgr05:27737
MongoDB shell version v3.6.17
connect to: mongod://sessionmgr05:27737/?gssapiServiceName=mongod
Implicit session: session { "id" : UUID("a8f9b0eb-6e78-4bcd-bd63-60a9a9d813d0") }
MongoDB server version: 3.6.17
Server has startup warnings:
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten]
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] ** WARNING: Access control is not
enabled for the database.
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] **           Read and write access to
data and configuration is unrestricted.
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] **
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten]
2022-03-09T00:53:26.949-0300 I REPL [replexec-0]
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] ** WARNING: This replica set uses arbiters,
but readConcern:majority is enabled
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] **           for this node. This is not a
recommended configuration. Please see
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] **
2022-03-09T00:53:26.949-0300 I REPL [replexec-0]
set01e:PRIMARY>
set01e:PRIMARY> show dbs ## "no dbs reported"
set01e:PRIMARY> use session_cache ## "Switched to a known DB"
switched to db session_cache
set01e:PRIMARY> db.session.count()
223037 ## "DB has the content inside, hence the total record count is shown"
set01e:PRIMARY> use session_cache_2
switched to db session_cache_2
set01e:PRIMARY> db.session.count()
223643
set01e:PRIMARY> use session_cache_3
switched to db session_cache_3
set01e:PRIMARY> db.session.count()
222939
set01e:PRIMARY> use session_cache_4
```

```
switched to db session_cache_4
set01e:PRIMARY> db.session.count()
223692
set01e:PRIMARY>
set01e:PRIMARY> exit
bye
```

تانايا بلبا ضرع ب shard قيبطت ال موقې، **diagnostics.sh —get\_shard** لېغشت دن ع 2. ةوطخلال (VM) لېره اظلا زاه جلاب صاخلا DBPATH في سېلو، ع قاولا في ةركاذلا في اذه نيزخت متي و SessionMgr.

```
[root@lab-1-pcrfclient01 ~]# diagnostics.sh --get_shard
CPS Diagnostics GR Multi-Node Environment
```

```
-----
|
|                                     SHARD STATUS INFORMATION
|      Date : 2022-03-09 11:00:23      |
|-----
```

Shard Id	Mongo DB	State	Backup DB	Removed	Session Count
43	sessionmgr01:27717/session_cache	online	false	false	223873
1	sessionmgr01:27717/session_cache_2	online	false	false	222918
2	sessionmgr01:27717/session_cache_3	online	false	false	223720
3	sessionmgr01:27717/session_cache_4	online	false	false	223393
8	sessionmgr05:27737/session_cache	online	false	false	223188
9	sessionmgr05:27737/session_cache_2	online	false	false	223554
10	sessionmgr05:27737/session_cache_3	online	false	false	222920
11	sessionmgr05:27737/session_cache_4	online	false	false	223562
12	sessionmgr07:27747/session_cache	online	false	false	222663
13	sessionmgr07:27747/session_cache_2	online	false	false	222599
14	sessionmgr07:27747/session_cache_3	online	false	false	222475
15	sessionmgr07:27747/session_cache_4	online	false	false	223446
16	sessionmgr09:27757/session_cache	online	false	false	223246
17	sessionmgr09:27757/session_cache_2	online	false	false	223669
18	sessionmgr09:27757/session_cache_3	online	false	false	223711
19	sessionmgr09:27757/session_cache_4	online	false	false	223311
35	sessionmgr13:27717/session_cache	online	true	false	0
36	sessionmgr13:27717/session_cache_2	online	true	false	0
37	sessionmgr13:27717/session_cache_3	online	true	false	0
38	sessionmgr13:27717/session_cache_4	online	true	false	0

Rebalance Status: Rebalanced

نيزخت ضررت في شيح تانايا بلبا ةدعاق راسم لخاد يوتحم دوجو مدع جارخال اذه حضوي 3. ةوطخلال لة لعل فال تانايا بلبا.

```
[SESSION-SET3]
SETNAME=set01e
OPLOG_SIZE=5120
ARBITER=lab-1-arb-sessmgr15:27737
ARBITER_DATA_PATH=/var/data/sessions.1/set01e
PRIMARY-MEMBERS
MEMBER1=lab-1-sessionmgr05:27737
MEMBER2=lab-1-sessionmgr06:27737
SECONDARY-MEMBERS
MEMBER3=lab-2-sessionmgr05:27737
MEMBER4=lab-2-sessionmgr06:27737
DATA_PATH=/var/data/sessions.1/set01e ## "DB DATA Path of set01e replicaset"
[SESSION-SET3-END]
```

نويوت في روكذمل db\_PATH إلى لقتنا نرتقم ل عمل ل س ل ج إلى (SSH) نامل أة ق ب ط  
غراف DB\_PATH ل خاد ل و تحم ل ن أ ى ر ت ن أ ك ن ك م ي . ي د ا ح أ

```
[root@lab-1-sessionmgr05 ~]# cd /var/data/sessions.1/set01e
[root@lab-1-sessionmgr05 ~]# ls -lrt
total 0
[root@lab-1-sessionmgr05 ~]#
```

فلات MongoDB ن أ جات ن ت س ل إلى ل و ص و ل ا ك ن ك م ي ، ت ا ق ق ح ت ل ا ه ذ ه ع م

## فلات ل ا (DB) ت ا ن ا ي ب ة د ع ا ق و ض ع ح ا ل ص ا ء ا ر ج

ة ل ل ا ك ش ل ا ة ل ث ا م ت م ل ا خ س ن ل ا ة و و م ج م ل ن ي س س ا ل ا ء ا ض ء ا ل ا إلى SSH 1. ة و ط خ ل ل  
ة و و م ج م ء ا ض ء ا ع ي م ج إلى ع AIDO ل ي م ع ف ا ق ي ل ن م د ك ا ت (AIDO\_client ف ا ق ي ل ا ب م ق 2. ة و ط خ ل ل  
set01e) إلى ل ي م ت ن ت ي ت ل ل ا ة ل ث ا م ت م ل ا خ س ن ل ل  
ت ا و ط خ ل ل ه ذ ه ل غ ش و Set01e ن م ة ي د ا ح أ ة ر ش ق ب ل ي ص و ت ل ل ا ب م ق 3. ة و ط خ ل ل

```
# mongo --port 27737
# show dbs # Ensure this returns empty output.
# use admin
# db.repairDatabase()
# use config
# db.repairDatabase()
# exit
```

```
[root@lab-1-sessionmgr05 set01e]# mongo --port 27737
MongoDB shell version v3.6.17
connect to: mongod://127.0.0.1:27737/?gssapiServiceName=mongoddb
Implicit session: session { "id" : UUID("ff9df861-0b42-4e8a-99c1-3583670e1926") }
MongoDB server version: 3.6.17
Server has startup warnings:
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten]
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] ** WARNING: Access control is not
enabled for the database.
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] **           Read and write access to
data and configuration is unrestricted.
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] **
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten]
2022-03-09T00:53:26.949-0300 I REPL [replexec-0]
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] ** WARNING: This replica set uses arbiters,
but readConcern:majority is enabled
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] **           for this node. This is not a
recommended configuration. Please see
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] **
2022-03-09T00:53:26.949-0300 I REPL [replexec-0]
set01e:PRIMARY> use admin
switched to db admin
set01e:PRIMARY> db.repairDatabase()
{
  "ok" : 1,
  "operationTime" : Timestamp(1647319246, 352),
  "$clusterTime" : {
    "clusterTime" : Timestamp(1647319246, 352),
    "signature" : {
      "hash" : BinData(0,"AAAAAAAAAAAAAAAAAAAAAAAAAAAA="),
      "keyId" : NumberLong(0)
    }
  }
}
```

```

}
set01e:PRIMARY>
set01e:PRIMARY> use config
switched to db config
set01e:PRIMARY> db.repairDatabase()
{
  "ok" : 1,
  "operationTime" : Timestamp(1647319301, 218),
  "$clusterTime" : {
    "clusterTime" : Timestamp(1647319301, 218),
    "signature" : {
      "hash" : BinData(0,"AAAAAAAAAAAAAAAAAAAAAAAAAAAA="),
      "keyId" : NumberLong(0)
    }
  }
}
set01e:PRIMARY> show dbs
admin 0.031GB
config 0.031GB
set01e:PRIMARY> exit

```

هذه ذي فنت ب مق م ث ،ةلثامتم لةخسنل لس فن لى لى رخأ ةرم لى صوت ل ل اب مق 4. ةوطخلل (DB) ةرادا تانايب ةدع اقل ج ذومن م يدقت متي .SESSION\_CACHE\_DBS مزح عي مج لى ل ع رم اوألا انه تق وُم ل نيزخلل ةرك اذ ل عمل ة ل ل ج

```

# mongo --port 27737
# use session_cache
# db.session.count() # Use this to check that session counts are still intact
# db.stats(1024*1024*1024) # Use this to verify that the storage size is proper
# db.repairDatabase()
# exit

```

```

[root@lab-1-sessionmgr05 set01e]# mongo --port 27737
MongoDB shell version v3.6.17
connect to: mongod://127.0.0.1:27737/?gssapiServiceName=mongod
Implicit session: session { "id" : UUID("73794d11-0785-4520-ba82-19f0d2bba338") }
MongoDB server version: 3.6.17
Server has startup warnings:
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten]
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] ** WARNING: Access control is not
enabled for the database.
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] **           Read and write access to
data and configuration is unrestricted.
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten] **
2022-03-09T00:53:26.910-0300 I CONTROL [initandlisten]
2022-03-09T00:53:26.949-0300 I REPL [replexec-0]
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] ** WARNING: This replica set uses arbiters,
but readConcern:majority is enabled
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] **           for this node. This is not a
recommended configuration. Please see
2022-03-09T00:53:26.949-0300 I REPL [replexec-0] **
2022-03-09T00:53:26.949-0300 I REPL [replexec-0]
set01e:PRIMARY>
set01e:PRIMARY>
set01e:PRIMARY>
set01e:PRIMARY> show dbs
admin 0.031GB
config 0.031GB
set01e:PRIMARY> use session_cache
switched to db session_cache
set01e:PRIMARY>
set01e:PRIMARY> db.stats(1024*1024*1024)

```

```

{
  "db" : "session_cache",
  "collections" : 3,
  "views" : 0,
  "objects" : 212467,
  "avgObjSize" : 8175.252062673262,
  "dataSize" : 1.6176805645227432,
  "storageSize" : 2.471107453107834,
  "numExtents" : 22,
  "indexes" : 3,
  "indexSize" : 0.30870679020881653,
  "fileSize" : 0,
  "nsSizeMB" : 16,
  "extentFreeList" : {
    "num" : 0,
    "totalSize" : 0
  },
  "dataFileVersion" : {
    "major" : 4,
    "minor" : 22
  },
  "fsUsedSize" : 38.36811065673828,
  "fsTotalSize" : 47.044921875,
  "ok" : 1,
  "operationTime" : Timestamp(1647321405, 102),
  "$clusterTime" : {
    "clusterTime" : Timestamp(1647321405, 103),
    "signature" : {
      "hash" : BinData(0,"AAAAAAAAAAAAAAAAAAAAAAAAAAAA="),
      "keyId" : NumberLong(0)
    }
  }
}
set01e:PRIMARY> db.repairDatabase()
{
  "ok" : 1,
  "operationTime" : Timestamp(1647321444, 84),
  "$clusterTime" : {
    "clusterTime" : Timestamp(1647321444, 84),
    "signature" : {
      "hash" : BinData(0,"AAAAAAAAAAAAAAAAAAAAAAAAAAAA="),
      "keyId" : NumberLong(0)
    }
  }
}
set01e:PRIMARY> show dbs
admin          0.031GB
config         0.031GB
session_cache  2.499GB

```

نيزختل اذبة صاخلا DB تانايب دعاوق ةيقبل 4. ةوطخلا ررك: **ةطحالم**  
 ةسلجلل تقؤملا.

سفن ليصوتب موقت ام دنع تانايبلا دعاوق لك نألا درسي **show dbs** نأ نم دكأت 5. ةوطخلا  
 ىرخأ ةرم وغم لىثم.

```

mongo --port 27737
set01e:PRIMARY> show dbs
admin 0.031GB
config 0.031GB
session_cache 2.499GB

```

```
session_cache_2 2.499GB
session_cache_3 2.499GB
session_cache_4 2.499GB
```

سجل لخاد ايلحم تانايبال عيمج على نآل ايوتحي تانايبال ادعاق راسم نأ نم دكأت 6. ةوطخل  
ةلحال هذه في .ةلثامتملخ سننلة ةومجمب صاخلل تانايبال راسم نم ققحتلل كنكمي .لمعل  
وه `/var/data/sessions.1/set01e`.

```
[root@lab-1-sessionmgr05 set01~]# cd /var/data/sessions.1/set01e
[root@lab-1-sessionmgr05 set01e]# ls
admin session_cache session_cache_2.1 session_cache_2.7 session_cache_3.1 session_cache_3.7
session_cache_4.1 session_cache_4.7 session_cache.8
admin.0 session_cache.0 session_cache_2.2 session_cache_2.8 session_cache_3.2 session_cache_3.8
session_cache_4.2 session_cache_4.8 session_cache.ns
admin.ns session_cache.1 session_cache_2.3 session_cache_2.ns session_cache_3.3
session_cache_3.ns session_cache_4.3 session_cache_4.ns _tmp
config session_cache.2 session_cache_2.4 session_cache.3 session_cache_3.4 session_cache.4
session_cache_4.4 session_cache.5
config.0 session_cache_2 session_cache_2.5 session_cache_3 session_cache_3.5 session_cache_4
session_cache_4.5 session_cache.6
config.ns session_cache_2.0 session_cache_2.6 session_cache_3.0 session_cache_3.6
session_cache_4.0 session_cache_4.6 session_cache.7
```

عم تانايبال راسم لةيلحم ةنمازم ءارجاؤ هسفن عقوملل اي في يونات وضع لىل SSH 7. ةوطخل  
يساسأل وضعلل.

```
ssh to lab-1-sessionmgr06 (Secondary member)
Ensure to stop aido_client
```

```
# monit stop aido_client
```

```
Ensure to stop mongo processes
```

```
# /etc/init.d/sessionmgr-27737 stop # Wait for 10 seconds and start the service
back on
```

موقتس ف ،كلذك نكي مل اذؤ ،غراف `/var/data/sessions.1/set01e` تانايبال راسم نأ نم دكأت  
لوحتللة ةيلمع ءدبب مق مث ، `rm -rf /var/data/sessions.1/set01e/*` مادختساب هتلازاب

**# /etc/init.d/sessionmgr-27737 أدبي**

```
[root@lab-1-sessionmgr06 ~]# monit stop aido_client
[root@lab-1-sessionmgr06 ~]# monit status aido_client
Monit 5.26.0 uptime: 52d 20h 59m
```

```
Process 'aido_client'
status Not monitored
monitoring status Not monitored
monitoring mode active
on reboot start
data collected Wed, 23 Mar 2022 08:08:46
```

```
[root@lab-1-sessionmgr06 ~]#
[root@lab-1-sessionmgr06 ~]# /etc/init.d/sessionmgr-27737 stop
stop sessionmgr-27737 (via systemctl): [ OK ]
[root@lab-1-sessionmgr06 ~]# rm -rf /var/data/sessions.1/set01e/*
[root@lab-1-sessionmgr06 ~]# cd /var/data/sessions.1/set01e/
```

```
[root@lab-1-sessionmgr06 set01e]# ls
[root@lab-1-sessionmgr06 set01e]#
[root@lab-1-sessionmgr06 set01e]# /etc/init.d/sessionmgr-27737 start
Starting sessionmgr-27737 (via systemctl): [ OK ]
```

8. ووطخل `/var/data/sessions.1/set01e` إلى ايلحم نأل تانايبلا خسن نم ققحت .

```
[root@lab-1-sessionmgr06 ~]# cd /var/data/sessions.1/set01e/
[root@lab-1-sessionmgr06 set01e]# ls
admin.0 local.1 local.3 local.7 mongod.lock session_cache_2.3 session_cache_2.7
session_cache_3.1 session_cache_3.5 session_cache_3.ns
admin.ns local.10 local.4 local.8 session_cache_2.0 session_cache_2.4 session_cache_2.8
session_cache_3.2 session_cache_3.6 storage.bson
diagnostic.data local.11 local.5 local.9 session_cache_2.1 session_cache_2.5 session_cache_2.ns
session_cache_3.3 session_cache_3.7 _tmp
local.0 local.2 local.6 local.ns session_cache_2.2 session_cache_2.6 session_cache_3.0
session_cache_3.4 session_cache_3.8
[root@lab-1-sessionmgr06 set01e]#
```

يف انه . يفارغل عقوم ل نيونال اءاضأل 8 ووطخل او 7 ووطخل ررك : ةطخال م  
lab-2-sessionmgr05 و lab-2-sessionmgr06 مه اءاضأل ، ربتخمل

( يفارغل عقوم ل او يلحم ل عقوم ل ) ةيونال تانايب ل دعوق عيمج درتست املاح و . 9 ووطخل ،  
يساسأل وضع لىل ع ةيمسوم ل حايرل ا ةمدخ كلذ دب فناتسا .

```
[root@lab-1-sessionmgr05 ~]# /etc/init.d/sessionmgr-27737 stop
stop sessionmgr-27737 (via systemctl): [ OK ]
```

يساسأل ليدبت حاجن نم دكأت و ناوٲ 10 ةدمل رطتنا

```
[root@lab-1-sessionmgr06 ~]# mongo --port 27737
MongoDB shell version v3.6.17
connect to: mongodb://127.0.0.1:27737/?gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("ba8e49fa-ad0f-4ac6-8ef8-b4da0a88fe33") }
MongoDB server version: 3.6.17
Server has startup warnings:
2022-03-15T02:54:29.546-0300 I CONTROL [initandlisten]
2022-03-15T02:54:29.546-0300 I CONTROL [initandlisten] ** WARNING: Access control is not enabled
for the database.
2022-03-15T02:54:29.546-0300 I CONTROL [initandlisten] ** Read and write access to data and
configuration is unrestricted.
2022-03-15T02:54:29.546-0300 I CONTROL [initandlisten] **
2022-03-15T02:54:29.546-0300 I CONTROL [initandlisten]
set01e:PRIMARY>
set01e:PRIMARY>
set01e:PRIMARY> show dbs
admin 0.031GB
config 0.031GB
local 5.029GB
session_cache 2.499GB
session_cache_2 2.499GB
session_cache_3 2.499GB
session_cache_4 2.499GB
set01e:PRIMARY> show dbs
admin 0.031GB
config 0.031GB
local 5.029GB
session_cache 2.499GB
```



```
session_cache_2 2.499GB
session_cache_3 2.499GB
session_cache_4 2.499GB
set01e:PRIMARY> rs.status()
{
  "set" : "set01e",
  "date" : ISODate("2022-03-15T06:13:19.991Z"),
  "myState" : 1,
  "term" : NumberLong(36),
  "syncingTo" : "",
  "syncSourceHost" : "",
  "syncSourceId" : -1,
  "heartbeatIntervalMillis" : NumberLong(2000),
  "optimes" : {
    "lastCommittedOpTime" : {
      "ts" : Timestamp(1647324799, 335),
      "t" : NumberLong(36)
    },
    "readConcernMajorityOpTime" : {
      "ts" : Timestamp(1647324799, 335),
      "t" : NumberLong(36)
    },
    "appliedOpTime" : {
      "ts" : Timestamp(1647324799, 338),
      "t" : NumberLong(36)
    },
    "durableOpTime" : {
      "ts" : Timestamp(0, 0),
      "t" : NumberLong(-1)
    }
  },
  "members" : [
    {
      "_id" : 0,
      "name" : "lab-2-sessionmgr06:27737",
      "health" : 1,
      "state" : 2,
      "stateStr" : "SECONDARY",
      "uptime" : 486,
      "optime" : {
        "ts" : Timestamp(1647324799, 94),
        "t" : NumberLong(36)
      },
      "optimeDurable" : {
        "ts" : Timestamp(0, 0),
        "t" : NumberLong(-1)
      },
      "optimeDate" : ISODate("2022-03-15T06:13:19Z"),
      "optimeDurableDate" : ISODate("1970-01-01T00:00:00Z"),
      "lastHeartbeat" : ISODate("2022-03-15T06:13:19.267Z"),
      "lastHeartbeatRecv" : ISODate("2022-03-15T06:13:18.270Z"),
      "pingMs" : NumberLong(0),
      "lastHeartbeatMessage" : "",
      "syncingTo" : "lab-1-sessionmgr06:27737",
      "syncSourceHost" : "lab-1-sessionmgr06:27737",
      "syncSourceId" : 4,
      "infoMessage" : "",
      "configVersion" : 8
    },
    {
      "_id" : 1,
      "name" : "lab-1-sessionmgr05:27737",
      "health" : 1,
      "state" : 2,
```

```
"stateStr" : "SECONDARY",
"uptime" : 885,
"optime" : {
"ts" : Timestamp(1647324799, 96),
"t" : NumberLong(36)
},
"optimeDurable" : {
"ts" : Timestamp(0, 0),
"t" : NumberLong(-1)
},
"optimeDate" : ISODate("2022-03-15T06:13:19Z"),
"optimeDurableDate" : ISODate("1970-01-01T00:00:00Z"),
"lastHeartbeat" : ISODate("2022-03-15T06:13:19.270Z"),
"lastHeartbeatRecv" : ISODate("2022-03-15T06:13:18.270Z"),
"pingMs" : NumberLong(0),
"lastHeartbeatMessage" : "",
"syncingTo" : "lab-1-sessionmgr06:27737",
"syncSourceHost" : "lab-1-sessionmgr06:27737",
"syncSourceId" : 4,
"infoMessage" : "",
"configVersion" : 8
},
{
"_id" : 2,
"name" : "lab-1-arb-sessmgr15:27737",
"health" : 1,
"state" : 7,
"stateStr" : "ARBITER",
"uptime" : 1130,
"lastHeartbeat" : ISODate("2022-03-15T06:13:19.240Z"),
"lastHeartbeatRecv" : ISODate("2022-03-15T06:13:18.856Z"),
"pingMs" : NumberLong(0),
"lastHeartbeatMessage" : "",
"syncingTo" : "",
"syncSourceHost" : "",
"syncSourceId" : -1,
"infoMessage" : "",
"configVersion" : 8
},
{
"_id" : 3,
"name" : "lab-1-sessionmgr05:27737",
"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("2022-03-15T06:13:19.299Z"),
"lastHeartbeatRecv" : ISODate("2022-03-15T06:11:58.086Z"),
"pingMs" : NumberLong(0),
"lastHeartbeatMessage" : "Connection refused",
"syncingTo" : "",
"syncSourceHost" : "",
"syncSourceId" : -1,
"infoMessage" : "",
```

```

"configVersion" : -1
},
{
  "_id" : 4,
  "name" : "lab-1-sessionmgr06:27737",
  "health" : 1,
  "state" : 1,
  "stateStr" : "PRIMARY",
  "uptime" : 1130,
  "optime" : {
    "ts" : Timestamp(1647324799, 338),
    "t" : NumberLong(36)
  },
  "optimeDate" : ISODate("2022-03-15T06:13:19Z"),
  "syncingTo" : "",
  "syncSourceHost" : "",
  "syncSourceId" : -1,
  "infoMessage" : "",
  "electionTime" : Timestamp(1647324719, 72),
  "electionDate" : ISODate("2022-03-15T06:11:59Z"),
  "configVersion" : 8,
  "self" : true,
  "lastHeartbeatMessage" : ""
}
],
"ok" : 1,
"operationTime" : Timestamp(1647324799, 338),
"$clusterTime" : {
  "clusterTime" : Timestamp(1647324799, 338),
  "signature" : {
    "hash" : BinData(0,"AAAAAAAAAAAAAAAAAAAAAAAAAAAA="),
    "keyId" : NumberLong(0)
  }
}
}
}

```

وضع الـ ناك يذال او lab-1-sessionmgr05 على mongo ةمدخ لي غشت ةداع اب مق 10 ةوطخل  
 ق. باس تقو في ياسال

```

[root@lab-1-sessionmgr05 ~]# /etc/init.d/sessionmgr-27737 start
Starting sessionmgr-27737 (via systemctl): [ OK ]

```

خسن ال ةومجمل ةلثامتم ال ةخسن ال ةاضع اعيمج على AIDO\_client لي غشت ب مق 11 ةوطخل  
 2. ةوطخل في اه اف اقي مت ي ال set01e ةلثامتم ال

ةمچرتل هذه لوج

ةللأل تاي نقتل نمة ومة م ادخت ساب دن تسمل اذة Cisco ت مچرت  
ملاعلاء انء مچي ف ني مدخت سمل معد و ت م مي دقت لة يرش بل او  
امك ة قيق دن نوك تن لة لة مچرت ل ضف أن ة ظحال م يچري . ة صاغل م هت غل ب  
Cisco ي لخت . فرت م مچرت م امدقي ي تل ة ي فارت حال ة مچرت ل عم ل حال و ه  
ى ل أمئ اد وچرلاب ي صؤت و تامچرتل هذه ة ق دن ع اهت ي ل وئ س م Cisco  
Systems (رفو تم طبارل) ي ل صأل ي زي لچن إل دن تسمل