

## D4Science Infrastructure - Task #8787

### mongo2-d-d4s: is not synchronized with other cluster members

May 30, 2017 12:15 PM - Roberto Cirillo

<b>Status:</b>	Closed	<b>Start date:</b>	May 30, 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Tommaso Piccioli	<b>% Done:</b>	100%
<b>Category:</b>	System Application	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	UnSprintable		
<b>Infrastructure:</b>	Development		
<b>Description</b>			
mongo2-d-d4s was down from 26 May for an OutOfMemory problem. Now it's needed to perform a full resynch			

#### History

##### #1 - May 30, 2017 12:24 PM - Roberto Cirillo

- Status changed from New to In Progress

- Assignee changed from Roberto Cirillo to Tommaso Piccioli

I've removed mongo2 from the development cluster and now @tommaso.piccioli@isti.cnr.it is performing a resynch. When the resynch is completed I'm going to re add the node to the cluster. I'm going to assign this ticket to @tommaso.piccioli@isti.cnr.it

##### #3 - May 30, 2017 05:55 PM - Roberto Cirillo

After the rsync unfortunately, we have an ERROR on mongod log:

```
2017-05-30T17:27:00.203+0200 I CONTROL      ***** SERVER RESTARTED *****
2017-05-30T17:27:00.268+0200 I CONTROL      [initandlisten] MongoDB starting : pid=29659 port=27017 dbpath=/data/mongo_home 64-bit host=mongo2-d-d4s
2017-05-30T17:27:00.268+0200 I CONTROL      [initandlisten] db version v3.0.8
2017-05-30T17:27:00.268+0200 I CONTROL      [initandlisten] git version: 83d8cc25e00e42856924d84e220fbe4a839e605d
2017-05-30T17:27:00.268+0200 I CONTROL      [initandlisten] build info: Linux ip-10-187-89-126 3.13.0-24-generic #46-Ubuntu SMP Thu Apr 10 19:11:08 UTC 2014 x86_64 BOOST_LIB_VERSION=1_49
2017-05-30T17:27:00.268+0200 I CONTROL      [initandlisten] allocator: tcmalloc
2017-05-30T17:27:00.268+0200 I CONTROL      [initandlisten] options: { config: "/etc/mongod.conf", net: { port: 27017 }, replication: { oplogSizeMB: 7000, replSetName: "storagedev" }, security: { keyFile: "/data/mongo_home/development-d4scienc
e-keyfile" }, storage: { dbPath: "/data/mongo_home", engine: "wiredTiger", journal: { enabled: true } }, systemLog: { destination: "file", logAppend: true, path: "/data/mongo_log.txt" } }
2017-05-30T17:27:00.298+0200 I STORAGE      [initandlisten] wiredtiger_open config: create,cache_size=1G,session_max=20000,eviction=(threads_max=4),statistics=(fast),log=(enabled=true,archive=true,path=journal,compressor=snapppy),file_manager=(close_idle_time=100000),checkpoint=(wait=60,log_size=2GB),statistics_log=(wait=0),
2017-05-30T17:27:00.643+0200 I STORAGE      [initandlisten] Starting WiredTigerRecordStoreThread local.oplog.rs
2017-05-30T17:27:00.651+0200 E STORAGE      [initandlisten] WiredTiger (0) [1496158020:651140][29659:0x7f704b89fbc0], file:collection-21--6954882954492924240.wt, session.open_cursor: read checksum error for 241664B block at offset 3509
93436672: block header checksum of 2627437933 doesn't match expected checksum of 167318316
2017-05-30T17:27:00.651+0200 E STORAGE      [initandlisten] WiredTiger (0) [1496158020:651259][29659:0x7f704b89fbc0], file:collection-21--6954882954492924240.wt, session.open_cursor: collection-21--6954882954492924240.wt: encountered an illegal file format or internal value
2017-05-30T17:27:00.651+0200 E STORAGE      [initandlisten] WiredTiger (-31804) [1496158020:651306][29659:0x7f704b89fbc0], file:collection-21--6954882954492924240.wt, session.open_cursor: the process must exit and restart: WT_PANIC: WiredTiger library panic
2017-05-30T17:27:00.651+0200 I -            [initandlisten] Fatal Assertion 28558
```

This error seems to be solved on version 3.2.10: <https://jira.mongodb.org/browse/SERVER-26237>

Now, I've started on mongo2-d a resynch from scratch. In this way all the payloads will be compacted and some space will be recovered but the cluster is not usable for few hours

##### #4 - May 30, 2017 06:29 PM - Roberto Cirillo

Roberto Cirillo wrote:

Now, I've started on mongo2-d a resync from scratch. In this way all the payloads will be compacted and some space will be recovered but the cluster is not usable for few hours

I've verified. The cluster is also usable while the resync is running because the node mongo2-d is transited in another state: RECOVERING. This state allow the write and the read on the cluster.  
I'm sorry for my previous comment.

**#5 - Jun 06, 2017 02:14 PM - Roberto Cirillo**

- *Tracker changed from Incident to Task*
- *Status changed from In Progress to Closed*
- *% Done changed from 0 to 100*

mongo2-d-d4s is now aligned with the cluster.