

MongoDB - Task #25067

Test install from tarball

10/12/2020 05:07 PM - Natalia Ratnikova

Status:	Resolved	Start date:	10/12/2020
Priority:	Normal	Due date:	
Assignee:	Natalia Ratnikova	% Done:	100%
Category:		Estimated time:	1.00 hour
Target version:		Spent time:	0.55 hour
Description			

History

#1 - 10/12/2020 05:26 PM - Natalia Ratnikova

Install from tarball steps

1. Login to mysql@mariadbwp-d3
- 2.

```
cd /home/mysql/natalia/MONGODB
wget https://fastdl.mongodb.org/linux/mongodb-linux-x86_64-rhel80-4.4.1.tgz
```

3. Check dependencies:

```
[mysql@mariadbwp-d3 MONGODB]$ rpm -qa > rpm-qa
[mysql@mariadbwp-d3 MONGODB]$ for p in libcurl openssl xz-libs; do echo ===== Checking $p ;grep $p rpm-qa ; do
ne
===== Checking libcurl
libcurl-7.61.1-12.el8.x86_64
===== Checking openssl
openssl-libs-1.1.1c-15.el8.x86_64
openssl-1.1.1c-15.el8.x86_64
openssl-pkcs11-0.4.10-2.el8.x86_64
xmlsec1-openssl-1.2.25-4.el8.x86_64
===== Checking xz-libs
xz-libs-5.2.4-3.el8.x86_64
[mysql@mariadbwp-d3 MONGODB]$
```

4. Extract the archive:

```
[mysql@mariadbwp-d3 MONGODB]$ tar -xzvf mongodb-linux-x86_64-rhel80-4.4.1.tgz
mongodb-linux-x86_64-rhel80-4.4.1/LICENSE-Community.txt
mongodb-linux-x86_64-rhel80-4.4.1/MPL-2
mongodb-linux-x86_64-rhel80-4.4.1/README
mongodb-linux-x86_64-rhel80-4.4.1/THIRD-PARTY-NOTICES
mongodb-linux-x86_64-rhel80-4.4.1/bin/install_compass
mongodb-linux-x86_64-rhel80-4.4.1/bin/mongo
mongodb-linux-x86_64-rhel80-4.4.1/bin/mongod
mongodb-linux-x86_64-rhel80-4.4.1/bin/mongos
[mysql@mariadbwp-d3 MONGODB]$
```

5. Set the environment:

```
[mysql@mariadbwp-d3 MONGODB]$ export PATH=$PATH:`pwd`/mongodb-linux-x86_64-rhel80-4.4.1/bin/
[mysql@mariadbwp-d3 MONGODB]$ echo $PATH
/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/opt/puppetlabs/bin:/home/mysql/natalia/MONGODB/mongodb-linu
x-x86_64-rhel80-4.4.1/bin/
[mysql@mariadbwp-d3 MONGODB]$
```

#2 - 10/12/2020 05:47 PM - Natalia Ratnikova

Run MongoDB community Edition

1) Prerequisites:

Note:

Starting in MongoDB 4.4, a startup error is generated if the ulimit value for number of open files is under 64 000.

Check our value:

```
[mysql@mariadbwp-d3 MONGODB]$ ulimit
unlimited
```

2. Adjust to non-default locations:

See <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-red-hat-tarball/#to-use-non-default-directories>

```
[mysql@mariadbwp-d3 MONGODB]$ cat mongod.conf

# storage.dbPath to specify a new data directory path (e.g. /some/data/directory)
# systemLog.path to specify a new log file path (e.g. /some/log/directory/mongod.log)

storage.dbPath /home/mysql/natalia/MONGODB/data/db
systemLog.path /home/mysql/natalia/MONGODB/logs/mongod.log
[mysql@mariadbwp-d3 MONGODB]$ mkdir -p /home/mysql/natalia/MONGODB/data/db /home/mysql/natalia/MONGODB/logs
[mysql@mariadbwp-d3 MONGODB]$
```

3. Start the server:

```
[mysql@mariadbwp-d3 MONGODB]$ mongod --dbpath /home/mysql/natalia/MONGODB/data/db --logpath /home/mysql/natalia/MONGODB/logs/mongod.log --fork
about to fork child process, waiting until server is ready for connections.
forked process: 3168097
child process started successfully, parent exiting
[mysql@mariadbwp-d3 MONGODB]$
```

4. Check that server has started properly:

```
[mysql@mariadbwp-d3 MONGODB]$ tail -5 logs/mongod.log
{"t":{"$date":"2020-10-12T17:54:35.925-05:00"},"s":"I", "c":"NETWORK", "id":23015, "ctx":"listener","msg":"Listening on","attr":{"address":"/tmp/mongodb-27017.sock"}}
{"t":{"$date":"2020-10-12T17:54:35.925-05:00"},"s":"I", "c":"NETWORK", "id":23015, "ctx":"listener","msg":"Listening on","attr":{"address":"127.0.0.1"}}
{"t":{"$date":"2020-10-12T17:54:35.925-05:00"},"s":"I", "c":"NETWORK", "id":23016, "ctx":"listener","msg":"Waiting for connections","attr":{"port":27017,"ssl":"off"}}
{"t":{"$date":"2020-10-12T17:54:35.932-05:00"},"s":"I", "c":"INDEX", "id":20345, "ctx":"LogicalSessionCacheRefresh","msg":"Index build: done building","attr":{"buildUUID":null,"namespace":"config.system.sessions","index":"_id_","commitTimestamp":{"$timestamp":{"t":0,"i":0}}}}
{"t":{"$date":"2020-10-12T17:54:35.932-05:00"},"s":"I", "c":"INDEX", "id":20345, "ctx":"LogicalSessionCacheRefresh","msg":"Index build: done building","attr":{"buildUUID":null,"namespace":"config.system.sessions","index":"_lsidTTLIndex","commitTimestamp":{"$timestamp":{"t":0,"i":0}}}}
[mysql@mariadbwp-d3 MONGODB]$
```

5. Start mongo client shell:

```
[mysql@mariadbwp-d3 MONGODB]$ mongo
MongoDB shell version v4.4.1
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("19b75d11-7b74-4db3-88cb-3110ccb69e28") }
MongoDB server version: 4.4.1
Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
  https://docs.mongodb.com/
Questions? Try the MongoDB Developer Community Forums
  https://community.mongodb.com
---
```

The server generated these startup warnings when booting:

```
2020-10-12T17:54:35.912-05:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2020-10-12T17:54:35.912-05:00: This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
2020-10-12T17:54:35.913-05:00: /sys/kernel/mm/transparent_hugepage/enabled is 'always'. We suggest setting it to 'never'
2020-10-12T17:54:35.913-05:00: Soft rlimits too low
```

```
2020-10-12T17:54:35.913-05:00:      currentValue: 1024
2020-10-12T17:54:35.913-05:00:      recommendedMinimum: 64000
```


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()`

>

#3 - 10/12/2020 06:02 PM - Natalia Ratnikova

- % Done changed from 0 to 100

- Status changed from New to Resolved