

Installer - Bug #28712

mongo storage upgrade to wiredtiger fails and drops database if mongod is stopped

01/09/2020 10:50 PM - Chris Roberts

Status: Closed	
Priority: Normal	
Assignee: Chris Roberts	
Category: foreman-installer script	
Target version:	
Difficulty: easy	Fixed in Releases: 2.0.0
Triaged: No	Found in Releases:
Bugzilla link: 1770552	Red Hat JIRA:
Pull request: https://github.com/theforeman/foreman-installer/pull/450	
Description	
Cloned from BZ:	
Description of problem:	
If "satellite-installer --upgrade-mongo-storage-engine" is launched while mongod is stopped, the installer fails to detect the export failed and ends up dropping the source database.	
Version-Release number of selected component (if applicable):	
foreman-installer-1.22.0.16-1.el7sat.noarch foreman-installer-katello-1.22.0.16-1.el7sat.noarch satellite-installer-6.6.0.21-1.el7sat.noarch	
How reproducible:	
Always	
Steps to Reproduce:	
1. systemctl stop mongod	
2. satellite-installer --upgrade-mongo-storage-engine	
1. systemctl stop mongod	
2. time satellite-installer --upgrade-mongo-storage-engine	
Starting disk space check for upgrade	
Package versions are locked. Continuing with unlock.	
Running Stop Services	
=====	
Check if command is run as root user: [OK]	

Stop applicable services: Stopping the following service(s):	
qdrouterd, qpidd, squid, pulp_celerybeat, pulp_resource_manager, pulp_streamer, pulp_workers, smart_proxy_dynflow_core, goferd, httpd	
\ All services stopped [OK]	

foreman-maintain service stop --exclude "rh-mongodb34-mongod","postgresql","tomcat","dynflowd","foreman-proxy","puppetserver" finished successfully!	
2019-11-06T10:14:34.070+0100 Failed: error connecting to db server: no reachable servers	
mongodump --host localhost --out /var/lib/pulp/tmp/mongodb_engine_upgrade failed! Check the output for error!	
Running Stop Services =====	
Check if command is run as root user: [OK]	

Stop applicable services: Stopping the following service(s):	

```

rh-mongodb34-mongod | All services stopped [OK]
-----

foreman-maintain service stop --only rh-mongodb34-mongod finished successfully!
rm -rf /var/lib/mongodb/* finished successfully!
sed -i.bak -e 's/mmapv1/wiredTiger/g' /etc/opt/rh/rh-mongodb34/mongod.conf finished successfully!
mv /etc/opt/rh/rh-mongodb34/mongod.conf.bak /var/lib/pulp/tmp/mongodb_engine_upgrade finished successfully!
Running Start Services =====
Check if command is run as root user: [OK]
-----

Start applicable services: Starting the following service(s):

rh-mongodb34-mongod
/ All services started [OK]
-----

foreman-maintain service start --only rh-mongodb34-mongod finished successfully!
2019-11-06T10:14:41.885+0100 the --db and --collection args should only be used when restoring from a BSON file. Other uses
are deprecated and will not exist in the future; use --nsInclude instead
foreman-maintain service start --only rh-mongodb34-mongod finished successfully!
2019-11-06T10:14:41.885+0100 the --db and --collection args should only be used when restoring from a BSON file. Other uses
are deprecated and will not exist in the future; use --nsInclude instead
2019-11-06T10:14:41.885+0100 Failed: mongorestore target '/var/lib/pulp/tmp/mongodb_engine_upgrade/pulp_database' invalid:
stat /var/lib/pulp/tmp/mongodb_engine_upgrade/pulp_database: no such file or director
y
mongorestore --host localhost --db=pulp_database --drop --dir=/var/lib/pulp/tmp/mongodb_engine_upgrade/pulp_database failed!
Check the output for error!
Running Stop Services =====
Check if command is run as root user: [OK]
-----

Stop applicable services: Stopping the following service(s):

rh-mongodb34-mongod
/ All services stopped [OK]
-----

foreman-maintain service stop --only rh-mongodb34-mongod finished successfully!
mv -f /var/lib/pulp/tmp/mongodb_engine_upgrade/mongod.conf.bak /etc/opt/rh/rh-mongodb34/mongod.conf finished successfully!
rm -rf /var/lib/mongodb/* finished successfully!
2019-11-06T10:14:47.656+0100 Failed: error connecting to db server: no reachable servers
mongorestore --host localhost --db=pulp_database --drop --dir=/var/lib/pulp/tmp/mongodb_engine_upgrade/pulp_database failed!
Check the output for error!
Running Start Services =====
Check if command is run as root user: [OK]
-----

Start applicable services: Starting the following service(s):

rh-mongodb34-mongod | All services started [OK]
-----

foreman-maintain service start --only rh-mongodb34-mongod finished successfully!

real 0m32.729s
user 0m16.383s
sys 0m7.381s

Expected results:

The migration should check that the mongodump process is successful prior to engaging into a potentially destructive migration.

```

Associated revisions

Revision 785b3a94 - 01/15/2020 03:54 PM - Chris Roberts

Fixes #28712 - Verify MongoDB is on before upgrade

History

#1 - 01/13/2020 09:49 PM - The Foreman Bot

- Status changed from Assigned to Ready For Testing
- Pull request <https://github.com/foreman/foreman-installer/pull/450> added

#2 - 01/15/2020 03:54 PM - The Foreman Bot

- Fixed in Releases 2.0.0 added

#3 - 01/15/2020 04:01 PM - Chris Roberts

- Status changed from Ready For Testing to Closed

Applied in changeset [installer|785b3a9499825adb6e0e811058401cf0d6d29095](#).