Installer - Bug #28712
mongo storage upgrade to wiredtiger fails and drops database if mongod is stopped
01/09/2020 10:50 PM - Chris Roberts

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Chris Roberts</td>
</tr>
<tr>
<td>Category:</td>
<td>foreman-installer script</td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
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<tr>
<td>Difficulty:</td>
<td>easy</td>
</tr>
<tr>
<td>Pull request:</td>
<td><a href="https://github.com/theforeman/foreman-installer/pull/450">https://github.com/theforeman/foreman-installer/pull/450</a></td>
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<tr>
<td>Triaged:</td>
<td>No</td>
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<tr>
<td>Fixed in Releases:</td>
<td>2.0.0</td>
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<tr>
<td>Bugzilla link:</td>
<td>1770552</td>
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<tr>
<td>Found in Releases:</td>
<td></td>
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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
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/theforeman/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 installer785b3a90499825adb6e0e811058401cf0d6d29095.