

Installer - Bug #30721

Disable mongo Full Time Diagnostic Data Capture

08/27/2020 02:15 PM - Eric Helms

Status: Closed	
Priority: Normal	
Assignee: Eric Helms	
Category: foreman-installer script	
Target version: 2.2.0	
Difficulty:	Fixed in Releases: 2.2.0
Triaged: Yes	Found in Releases:
Bugzilla link: 1834377	Red Hat JIRA:
Pull request: https://github.com/theforeman/foreman-installer/pull/567 , https://github.com/theforeman/foreman-installer/pull/574	
Description	
Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1834377	
Description of problem: By default, mongo collects FTDC (Full Time Diagnostic Data Capture). See https://docs.mongodb.com/manual/administration/analyzing-mongodb-performance/ and grep for FTDC. Checking thread CPU usage, I noticed that ftdc thread responsible for this consumes nontrivial amount of CPU. On idle-ish Satellite, it is the most busy thread, on a very busy Satellite, it consumes 5% of overall mongod CPU time. We have not utilised the collected data under <code>/var/lib/mongodb/ diagnostic.data/</code> so we should disable collecting the FTDC by default and save 5%+ CPU time of mongod. I understand mongod will be deprecated since Sat7, letting on PrdM and Eng to decide if it is worth disabling since then. It is sufficient to change <code>/etc/opt/rh/rh-mongodb34/sysconfig/mongod</code> to: OPTIONS="-f /etc/opt/rh/rh-mongodb34/mongod.conf --setParameter diagnosticDataCollectionEnabled=false"	
Version-Release number of selected component (if applicable): Sat 6.7	
How reproducible: 100%	
Steps to Reproduce: 1. Deploy a Sat, produce a load 2. <code>/bin/ps -p \$(pgrep mongod) -L -o pid,tid,psr,pcpu,comm= sort -nk4</code>	
Actual results: 2. shows one of busiest threads is: PID TID PSR %CPU .. 15086 15106 11 1.4 ftdc	
Expected results: ftdc does not consume CPU	
Additional info:	

Associated revisions

Revision 8164f23c - 08/27/2020 03:19 PM - Eric Helms

Fixes #30721: Disable MongoDB diagnostic data collection

History

#1 - 08/27/2020 02:18 PM - The Foreman Bot

- Status changed from New to Ready For Testing
- Assignee set to Eric Helms
- Pull request <https://github.com/foreman/foreman-installer/pull/567> added

#2 - 08/27/2020 03:19 PM - The Foreman Bot

- Fixed in Releases 2.3.0 added

#3 - 08/27/2020 04:01 PM - Eric Helms

- Status changed from Ready For Testing to Closed

Applied in changeset [installer|8164f23cc4b26aab33a769082d848d97b364999b](#).

#4 - 09/08/2020 01:01 PM - The Foreman Bot

- Pull request <https://github.com/foreman/foreman-installer/pull/574> added

#5 - 09/08/2020 01:08 PM - Ewoud Kohl van Wijngaarden

- Category set to foreman-installer script
- Target version set to 2.2.0
- Triaged changed from No to Yes
- Fixed in Releases 2.2.0 added
- Fixed in Releases deleted (2.3.0)

#6 - 09/08/2020 04:14 PM - Ewoud Kohl van Wijngaarden

- Subject changed from Disable mongo FTDC to Disable mongo Full Time Diagnostic Data Capture