

Installer - Bug #29426

Configure default MongoDB WiredTiger cache to be 20% of RAM

03/27/2020 05:53 PM - Suresh Thirugnanasambandan

Status: Closed	
Priority: High	
Assignee:	
Category:	
Target version:	
Difficulty:	Fixed in Releases: 2.1.0
Triaged: No	Found in Releases:
Bugzilla link: 1798668	Red Hat JIRA:
Pull request: https://github.com/theforeman/foreman-installer/pull/492	
Description Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1798668	
Description of problem: Configure default MongoDB cache to be 20% of RAM in the Satellite server. See KCS [1] for more info.	
Version-Release number of selected component (if applicable): Satellite 6.6	
How reproducible: N/A	
Steps to Reproduce: 1. Mongod process with the WiredTiger engine consumes up to 50% of RAM on Satellite. See https://docs.mongodb.com/manual/core/wiredtiger/#memory-use On larger Satellite installations, MongoDB ends up consuming a large amount of memory affecting other Satellite tasks. 2. With internal testing from the Performance Engineering team, it has been found that using 20% of RAM is ideal for MongoDB WiredTiger cache.	
Actual results: There is no tuning for WiredTiger cache size so it goes on to consume up to 50% of RAM in Satellite.	
Expected results: Configure default MongoDB WiredTiger cache size to be 20% of RAM in the Satellite server.	
Additional info: [1] https://access.redhat.com/solutions/4505561	

Associated revisions

Revision f650f590 - 03/30/2020 01:58 PM - Suresh Thirugnanasambandan

Fixes #29426 - Configure default mongo cache size

Configuring default mongo cache size to 20% of total memory. See¹
Otherwise mongo goes onto consume about 50% of total memory. See²

[1] <https://access.redhat.com/solutions/4505561>

[2] <https://docs.mongodb.com/manual/core/wiredtiger/#memory-use>

History

#1 - 03/27/2020 05:56 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Pull request <https://github.com/theforeman/foreman-installer/pull/492> added

#2 - 03/30/2020 01:58 PM - The Foreman Bot

- Fixed in Releases 2.1.0 added

#3 - 03/30/2020 02:01 PM - Suresh Thirugnanasambandan

- Status changed from Ready For Testing to Closed

Applied in changeset [installer|f650f590729d130bfef183df6ba32275f2ef01c5](#).

#4 - 05/17/2020 02:19 PM - Tomer Brisker

- Subject changed from Configure default MongoDB WiredTiger cache to be 20% of RAM in the Satellite server to Configure default MongoDB WiredTiger cache to be 20% of RAM