

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/foreman/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/foreman/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