

Question

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File system Max size

Hi Guys,

we are having a problem with the Cache.dat file is not expanding anymore since it has reached 2.2TB, we still have extra 260Gb of free disk space in our drive but for some reason it's raising a FILEFULL which is a result or the database not able to expand.

our server is Amazon could hosted with NVMe drive type (with win server 2016) so shouldn't be a hardware issue as I ran a disk check, so I'm starting to think that maybe that the system might have a Max file size set it that doesn't allow a single file to grow more than 2TB, so how can we the Max file size that can grow up to and is there a tool that could help in this situation to monitor why the database is not expanding ?

The following is a list of the local databases with freespace information:

Name	Directory	Max Size	Size	Expansion Size	Available	% Free	Disk Free Space	Status	Truncate	Comect
APP-SERENITY	d:\surgidat2014\live-serenity\app-serenity\	Unlimited	463MB	System Default	19MB	4.1	355.75GB	MountedRW	Truncate	Comect
EXTRA	d:\surgidat2014\live-serenity\extra\	Unlimited	1MB	System Default	0.21MB	21	355.75GB	MountedRW	Truncate	Comect
IMG-SERENITY	d:\surgidat2014\live-serenity\img-serenity\	Unlimited	1MB	System Default	0.84MB	28	355.75GB	MountedRW	Truncate	Comect
US-SERENITY	d:\surgidat2014\live-serenity\us-serenity\	Unlimited	2.214TB	System Default	148.79GB	6.56	355.75GB	MountedRW	Truncate	Comect
CACHESYS	d:\surgidat2014\img\	Unlimited	122MB	System Default	41MB	33.6	355.75GB	MountedRW	Truncate	Comect
CACHE	d:\surgidat2014\img\cache\	Unlimited	16.28GB	System Default	747MB	4.47	355.75GB	MountedRW	Truncate	Comect
CACHEAUDIT	d:\surgidat2014\img\cacheaudit\	Unlimited	1MB	System Default	0.43MB	43	355.75GB	MountedRW	Truncate	Comect
CACHELIB	d:\surgidat2014\img\cache\lib\	Unlimited	450MB	System Default	47MB	10.44	355.75GB	MountedRW	Truncate	Comect
CACHETEMP	d:\surgidat2014\img\cache\temp\	Unlimited	270MB	System Default	233MB	86.29	355.75GB	MountedRW	Truncate	Comect
DOCBOOK	d:\surgidat2014\img\docbook\	Unlimited	155MB	System Default	4.0MB	2.58	355.75GB	MountedRW	Truncate	Comect
ENSEMO	d:\surgidat2014\img\ensemble\	Unlimited	47MB	System Default	0.53MB	1.12	355.75GB	MountedRW	Truncate	Comect
ENSEMBLE	d:\surgidat2014\img\ensemble\	Unlimited	1MB	System Default	0.27MB	27	355.75GB	MountedRW	Truncate	Comect
ENSLIB	d:\surgidat2014\img\enslib\	Unlimited	279MB	System Default	1.0MB	35	355.75GB	MountedRW	Truncate	Comect

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cconsole.log - Notepad
File Edit Format View Help
01/15/23-08:14:56:645 (9544) 0 Expansion completed for database d:\surgidat2014\live-serenity\us-serenity\ 936 MB (1000 MB requested).
01/15/23-08:14:56:666 (9544) 0 Starting Expansion for database d:\surgidat2014\live-serenity\us-serenity\ 1000 MB requested.
01/15/23-08:14:56:713 (9544) 0 Expansion for database d:\surgidat2014\live-serenity\us-serenity\ has completed 936 MB.
01/15/23-08:14:56:713 (9544) 0 Expansion completed for database d:\surgidat2014\live-serenity\us-serenity\ 936 MB (1000 MB requested).
01/15/23-08:14:56:733 (9544) 0 Starting Expansion for database d:\surgidat2014\live-serenity\us-serenity\ 1000 MB requested.
01/15/23-08:14:56:780 (9544) 0 Expansion for database d:\surgidat2014\live-serenity\us-serenity\ has completed 936 MB.
01/15/23-08:14:56:780 (9544) 0 Expansion completed for database d:\surgidat2014\live-serenity\us-serenity\ 936 MB (1000 MB requested).
01/15/23-08:14:56:802 (9544) 0 Starting Expansion for database d:\surgidat2014\live-serenity\us-serenity\ 1000 MB requested.
01/15/23-08:14:56:858 (9544) 0 Expansion for database d:\surgidat2014\live-serenity\us-serenity\ has completed 936 MB.
01/15/23-08:14:56:859 (9544) 0 Expansion completed for database d:\surgidat2014\live-serenity\us-serenity\ 936 MB (1000 MB requested).
01/15/23-08:14:56:885 (9544) 0 Starting Expansion for database d:\surgidat2014\live-serenity\us-serenity\ 1000 MB requested.
01/15/23-08:14:56:924 (9544) 0 Expansion for database d:\surgidat2014\live-serenity\us-serenity\ has completed 936 MB.
01/15/23-08:14:56:924 (9544) 0 Expansion completed for database d:\surgidat2014\live-serenity\us-serenity\ 936 MB (1000 MB requested).
01/15/23-08:14:57:011 (8176) 3 *** SERIOUS CACHE ERROR THAT COULD CAUSE DATABASE DEGRADATION HAS OCCURRED. TO PREVENT DEGRADATION THE WRITE DAEMON WILL NOT RUN ***
ERROR: <FILEFULL> (29) FILE: 9 (d:\surgidat2014\live-serenity\us-serenity\)\ GLOBAL: TrSck PID: 11836 ERROR MODULE: $Id: //dev/2014.1.5/kernel/common/src/gset.c#1 $, line 1976
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Thanks

[#Ensemble](#)

Product version: Ensemble 2014.1

Source URL: <https://community.intersystems.com/post/file-system-max-size>