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问题

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## 我想做Caché的全量和增量备份，查阅Caché的官方资料推荐用VSS，遇到以下问题。

问题：

- 1、[EnableVSSBackup](#)这个参数在哪里设置？
- 2、Cache是否有自己的writer，如果有，怎样查到，叫什么名？
- 3、实现Cache的全量增量备份，使用VSS是否是最佳实践？
- 4、是否有Cache全量增量备份的实践案例，以供参考？

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我参考这篇官方文档，在启动应用时[EnableVSSBackup](#)会默认设置为1，但是我在配置或者应用界面中并没有看到这参数。

<https://docs.intersystems.com/latest/csp/docbook/Doc.View.cls?KEY=GCDIb...>

**Note:**

Caché supports the Volume Shadow Copy Service (VSS) on Windows by acting as a writer on behalf of its databases. Copies of Caché databases included in a VSS shadow are physically consistent, although not logically consistent with respect to transactions, and therefore may be restored individually. To ensure the transactional integrity of these restored databases, journal files should also be restored. Only databases that are mounted at the time of VSS shadow creation are included in the VSS shadow.

The VSS writer for Caché can be started only by an administrator.

On Windows systems, the [EnableVSSBackup](#) parameter in the `cache.cpf` file is set to 1 (enabled) by default. At Caché startup, the message "Caché VSS Writer started" is written to the console log. When you create a VSS shadow copy, Caché automatically calls `Backup.General.ExternalFreeze()` and `Backup.General.ExternalThaw()`, as indicated by messages in the console log.

在 Cache启动的时候，我在日志中并没有收到 " Caché VSS Writer started " 的信息；而且我在cache.cpf里添加[EnableVSSBackup](#) 字段为1，再启动cache会得到下面的乱码信息。

```
*** Recovery started at Mon Jul 19 15:51:08 2021
Current default directory: c:\intersystems\cache\mgr
Log file directory: c:\intersystems\cache\mgr\
WIJ file spec: c:\intersystems\cache\mgr\CACHE.WIJ
Recovering local (c:\intersystems\cache\mgr\CACHE.WIJ) image journal file...
Starting WIJ recovery for 'c:\intersystems\cache\mgr\CACHE.WIJ'.
  0 blocks pending in this WIJ.
Exiting with status 3 (Success)
07/19/21-15:51:08:508 (3504) 0 Automatically configuring buffers
07/19/21-15:51:08:508 (3504) 2 Cache license file (cache.key) missing or unreadable.
07/19/21-15:51:08:556 (3504) 0 Allocated 496MB shared memory (large pages): 382MB global buffers, 35MB routine buffers
07/19/21-15:51:08:556 (3504) 0 Intel Sandy Bridge AES-NI instructions detected.
07/19/21-15:51:08:571 (3504) 0 Jrn info from prior WIJ (imflags: 0):
  wdpass: 0
  jrnwdpass: 12
  fspec: c:\intersystems\cache\mgr\journal\20210719.003
  filecnt: 21
  fileoff: 0
  prevfcnt: 21
  prevfileoff: 0
  min trans cnt: 21
  min trans index: 151436
07/19/21-15:51:08:571 (3504) 0 Creating a new WIJ file
07/19/21-15:51:08:977 (3504) 0 New WIJ file created
07/19/21-15:51:08:977 (3504) 0
cstart of Cache for Windows (x86-64) 2016.2.3 (Build 907_11_20446U) Thu Nov 12 2020 16:56:45 EST.
  in c:\intersystems\cache\mgr
  with wj: c:\intersystems\cache\mgr\CACHE.WIJ
  from: c:\intersystems\cache\mgr\
  OS=[NT], version=[6.2.9200], 4 processors.
  Processor type=[8664], level=[6],
07/19/21-15:51:08:977 (3504) 0 revision=[20225], active processor mask=[f].
System Initialized.
07/19/21-15:51:08:977 (2300) 2 Cache license file (cache.key) missing or unreadable.
07/19/21-15:51:09:009 (2680) 0 Write daemon started.
07/19/21-15:51:10:174 (3904) 0 Instance 'CACHE' starting on node WIN-H1B5P5LB7C0 by user SYSTEM
07/19/21-15:51:10:174 (3904) 0 Using parameters from file 'C:\InterSystems\Cache\cache.cpf'
07/19/21-15:51:10:221 (3904) 0 Loading DLLs
07/19/21-15:51:10:221 (3904) 0 Switching to temporary %SYS Namespace
07/19/21-15:51:10:237 (3904) 0 DKMOUNT: Mounted SFN 1 DB 'c:\intersystems\cache\mgr\cachelib\' as Read Only DB. Database label is marked read-only.
07/19/21-15:51:10:315 (3904) 0 Loading Locale chsw (Chinese (Simplified), China, Unicode) from objects
07/19/21-15:51:10:710 (3904) 0 C:\InterSystems\Cache\mgr\cachetemp\ initialized as CACHETEMP
07/19/21-15:51:10:726 (3904) 0 Switching to default %SYS Namespace
07/19/21-15:51:10:741 (2764) 0 MONITOR Started
07/19/21-15:51:10:866 (3904) 0 Enabling long strings
07/19/21-15:51:10:866 (2760) 0 Clean Daemon Started
07/19/21-15:51:12:106 (3904) 3 獠豹院濫倍暗錫嶇O'EnableVSSBackup', LINE:'EnableVSSBackup=1' 籛× 68
07/19/21-15:51:12:106 (3904) 3 Error: Parsing CPF file C:\InterSystems\Cache\cache.cpf - Shutting down the system
07/19/21-15:51:12:142 (3904) 0 Shutting down Cache
07/19/21-15:51:12:144 (3904) 0 Notifying Clients
07/19/21-15:51:12:144 (3904) 0 No user shutdown routines to execute
07/19/21-15:51:12:144 (3904) 0 Stopping User Jobs
```

#开发运维 #Caché

产品版本: Caché 2016.1

\$ZV: 2016.2.3.907.11.20446

源

URL:

<https://cn.community.intersystems.com/post/%E6%88%91%E6%83%B3%E5%81%9A%84%E5%85%A8%E9%87%8F%E5%92%8C%E5%A2%9E%E9%87%8F%E5%A4%87%E4%BB%BD%EF%BC%8C%E6%9F%A5%E9%98%85%8A%E5%A9%E7%9A%84%E5%AE%98%E6%96%B9%E8%B5%84%E6%96%99%E6%8E%A8%E8%8D%90%E7%94%A8vss%EF%BC%8C%E9%81%87%E5%88%B0%E4%BB%A5%E4%B8%8B%E9%97%AE%E9%A2%98%E3%80%82>