



Frequently Asked Questions About Caché

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General

What kind of on-going maintenance does my Caché system require?

Not much.

Caché's default configuration parameters allow your system to accommodate more workload dynamically. For example, the database will expand automatically and you just need to make sure the CACHE.DAT file does not fill a disk over time.

It is good practice to run integrity checks periodically during off-hours just as you would for any database. There is never a reason to reorganize or defragment the database, because all the data structures used by Caché are automatically self-balanced.

You may wish to look at the error logs in the System Management Portal to make sure that no problems creep up on you. Go to the [\[Home\]](#) > [\[System Logs\]](#) > [\[View xDBC Error Log\]](#) page.

When do I have to stop my production Caché system?

Assuming that you do not need to shut down the computer for some reason, you only need to restart Caché to increase global or routine buffers. Most configuration options are dynamic and does not cause any processing to be interrupted. Licenses can be changed on the fly. New versions of Caché can be installed as new instances and users can be rolled over the new instance at a convenient time.

With other databases, I have to periodically turn off the system. What about Caché?

As mentioned elsewhere, all the data structures used by Caché are self-balancing and do not suffer performance degradation over time. It is never necessary to take a system down to rebuild it nor to compress data or indices to regain performance.

I want to set up disaster recovery for my Caché system. What do I need to do?

Refer to the [High Availability](#) guide.

What kind of journals does Caché maintain?

A before image and after image journal. If the computer crashes, the database structure is protected by applying the before image journal. The committed transactions are automatically rolled forward from the after image journal, although it may be unnecessary. Uncommitted transactions are rolled back from the after image journal. The before image journal is the CACHE.WIJ, or write-image-journal.

Refer to the [High Availability](#) guide for more information on journals.

What is the best way to back up my Caché database?

There are several strategies for system backup. Refer to the [High Availability](#) guide.

Does Caché support any type of system shadowing?

We strongly recommend using disk mirroring complemented by Caché shadow journaling. Refer to the [High Availability](#) guide.

Does the Caché system log errors?

Yes, but reader be warned. The log contains benign information, such as “No Such File” when an application does an OPEN with a timeout that fails, and relevant information.

Does Caché have any database integrity checking utilities?

You can check the integrity of databases on the **[Home] > [Databases]** page of the System Management Portal.

What does a Caché system do when it starts up? Is there any kind of integrity check on start up?

There is no integrity check per se, but it does perform a roll-back and roll-forward as described above.