

How to recover the current database if you accidentally restore an old database in EcoStruxure Process Expert?

Knowledge Base

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Knowledge base at a Glance:

About 3 minutes reading

- Prerequisites: Previous experience with EcoStruxure Process Expert (former HDCS/PES)
- Based in a customer request to recover a database after restoring an old backup without do a proper backup of the current database.
- Software versions used in the kb:
 - EcoStruxure Process Expert 2018 R2 (former HDCS).
 - Windows 10 Pro.
- This kb may apply to older software versions and new versions.
- Keep reading to dig deep into the EPE auto backups files.

Hello, I think I made a mistake with my project.

I made changes in "Refine Online" on my project and when closing I refused the update of the project control since I do it several times a day I accept it once finalize.

By cons, this time I did a restore of an old project to go see an old program that I made for reuse.

Usually I make a backup before doing a restore but this time I forgot.

So I made a restore of my last backup that dates from last week, but I am not able to connect me in online refine and I am no longer able to do an update control project he told me at each once the signature is no longer good and I have to use the re-deploy last project but it is surely different from the one currently in the PLC.

The theory

An automatic backup is created every time a user restore database

Before restoring a database EcoStruxure Process Expert renames the current database from Db to **Db_YYYYMMDD_HHMMSS**

EcoStruxure Hybrid DCS - System Server

Action Database Settings Help

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Welcome to EcoStruxure Hybrid DCS - System Server
A user was successfully logged on [ARTUR]
Stopping cache process...
Database folder C:\ProgramData\Schneider Electric\Hybrid DCS 2018\Db renamed to C:\ProgramData\Schneider Electric\Hybrid DCS 2018\Db_20190313092748
Cache cpf file C:\Program Files\InterSystems\STRUXUREWAREPEv44\cache.cpf renamed to C:\Program Files\InterSystems\STRUXUREWAREPEv44\cache_20190313092748.cpf
Extracting database from restore file...this process may take some time.
Extracting cpf file from restore file...
Starting cache process...
Done
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... and also rename the file cache.cpf to **cache_YYYYMMDDHHMMSS.cpf**

Steps to recover a database from auto backup files

1. Shut down System Server and **Stop Cache**.
2. Go to the path “**C:\ProgramData\Schneider Electric\Hybrid DCS 2018**” and rename Existing “**Db**” folder to “**Db_Old**” and find the auto backup folder which you want to restore (i.e. something like **Db_YYYYMMDDHHMMSS** where YYYYMMDDHHMMSS is the date and time of auto backup created) and rename it to “**Db**”.
3. Go to the path “**C:\Program Files\InterSystems\STRUXUREWAREPEv44**” and rename existing “**cache.cpf**” file to “**cache_old.cpf**” and find the old cache file renamed at the time of auto backup (i.e. **cache_YYYYMMDDHHMMSS.cpf** where YYYYMMDDHHMMSS is the date and time of auto backup) and rename it to **cache.cpf**.
4. Start Cache.
5. Launch System Server. (Server startup should be error free)

Frequently asked questions

- **Why there is 2 types of backup files for cache.cpf?**
 - Because the “cache.cpf_YYYYMMDD” is created by cache itself and the “cache_YYYYMMDDHHMMSS.cpf” is created by EcoStruxure Process Expert.

 cache.cpf_20190319	2019-03-19 12:19 AM	CPF_20190319 File	11 KB
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- **Why EcoStruxure Process Expert doesn't use the auto backup created by Cache?**
 - Because when restoring a database EPE modifies the working cache.cpf and create a backup of it.

 cache_20190319001717.cpf	2019-03-18 11:58 PM	CPF File	10 KB
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Conclusion

- This knowledge base offer a quick win solution to recover the current database in case a user accidentally restore a old database.
- After using this kb to restore the current database is highly recommended to user to do a proper backup.

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