

**ControlIQ Application Note**

**Number:** 21

**Date:** September 4th, 2016

**Subject:**  Database Copy to External Drive

**Subsystem: All**

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Many sites have a critical need to retain the Control\_Archives tables. With a hard-drive crash this data is lost because, in general, these files are too large to pull across the internet. At some sites we have installed external USB drives for this purpose.

Starting with CIQProc v4.0.0.73, proc will make a copy of the archived tables to a location identified in the preference table.

In preferences, add the PrefKey “ArchiveLocation”. Set the PrefValue to the location of the external drive “E:\CIQ\_Archive\”. Note if you leave off the trailing “\” proc will add it. If the PrefKey is missing or the PrefValue is less than 3 characters, the process will not make the associated files.

The process is triggered by:

* CIQProc / File / Do Database Backup
* Between 3AM and 4AM when proc performs the hourly CAC check-in.

The process compares the tables in the controliq\_archives database to the files in the ArchiveLocation. If a file does not exist that has the same name as the table name, the contents of the table are exported to the ArchiveLocation. If the file does exist, it is skipped. In this way, the drive could be replaced with a new one and Proc will again make a full copy of the archive tables.

If the table being evaluated is for the current year and month, the process will copy a new one over the present one. In this way, the daily process gets the incremental daily additions to the archive file.

Notes:

* If you delete files from the ArchiveLocation, but not the corresponding tables in the database, the process will export the tables to the missing files.
* If you delete tables from the control\_archives database, the process does NOT remove them from the ArchiveLocation.
* The process also copies the “Backup” folder in the CIQProc directory that contains the main database and any files that are place there with the preferences table “Backup[xxxx]” entries.

Navicat can Import these files (one at a time) to a new database. In the case of Dominos this takes over 1 hour per table. However, if you import the current month’s tables first, CIQProc can be started and it will start appending to that table. The other tables can then be imported without regard to how long it takes.