

# Does isCOBOL support C\$REDIRECT?

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C\$REDIRECT is used to assign a different file I/O handler to a file.  
There are several options to do the same in isCOBOL.

In version 2022R2 and later, you can write a hook program using this configuration to change the file handler class in the hook program.:

```
iscobol.file.index.open_hook=Program Name
```

If you are using a version before 2022R2, another option is to write an intermediary class, and assign that class as the file handler using "iscobol.file.index".

There is an example of this in isCOBOL's Sample folder,  
%ISCOBOL%sampleextend-and-customizecustom-file-handlerlogging.

This program can be modified to handle your file operations at the interface level.

For example, if you want to call subprograms named BEFOREWRITE and AFTERWRITE before and after every WRITE operation, you could edit the sample file CobLogging.cbl and change the "write" method to the following:

```
IDENTIFICATION DIVISION.  
METHOD-ID. MY-WRITE AS "write".  
WORKING-STORAGE SECTION.  
77 RETURN-VALUE OBJECT REFERENCE JLONG.  
LINKAGE SECTION.  
77 THERECORD OBJECT REFERENCE JBYTEARRAY.  
77 OFFS OBJECT REFERENCE JINT.  
77 RECSIZE OBJECT REFERENCE JINT.  
77 FLAGLOCK OBJECT REFERENCE JBOOL.  
PROCEDURE DIVISION USING THERECORD,  
                           OFFS,  
                           RECSIZE,  
                           FLAGLOCK  
                           RETURNING RETURN-VALUE.  
MAIN.  
*Trigger action - start  
    CALL "BEFOREWRITE" USING THERECORD, OFFS,  
                           RECSIZE, FLAGLOCK.  
*Trigger action - end  
    SET RETURN-VALUE TO MY-ISAM:>write (THERECORD,  
                                         OFFS,  
                                         RECSIZE,  
                                         FLAGLOCK).  
*Trigger action - start  
    CALL "AFTERWRITE" USING THERECORD, OFFS,  
                           RECSIZE, FLAGLOCK.  
*Trigger action - end  
    GOBACK.
```