

# Does isCOBOL support C\$REDIRECT?

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Saved From: <http://support.veryant.com/support/phpkb/question.php?ID=167>

isCOBOL allows you to create a file system interface in COBOL. There is a sample showing how to do this in the \$ISCOBOL/sample/trigger folder.

The functions in your file system interface can be made to call isCOBOL's default file system. This allows you to add code before and/or after a file operation at the interface level.

For example, suppose you want to call subprograms named BEFOREWRITE and AFTERWRITE before and after every WRITE operation. You could edit the sample file system interface (\$ISCOBOL/sample/trigger/CobTrigger.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.
END METHOD.
```