

# How do I set up isCOBOL to access Vision files?

## Question:

What do I need to do to access Vision files from isCOBOL?

## Answer:

### isCOBOL 2023R1 and later

isCOBOL 2023R1 added an interface to the Vision file system called VisionJ. You can create, write, read, and lock Vision files using this interface by setting file index:

```
iscobol.file.index=VisionJ
```

Compression is supported with this file handler, but encrypted files and transaction logging are not.

If you need to access Vision files with encryption or use transaction logging, you should use the vfc (Vision File Connector) described below.

### isCOBOL 2022R2 and earlier

In order to access Vision you can build a Vision File Connector (vfc) and set `iscobol.file.index` to "vfc".

#### 1. Building the vfc

This vfc, `runcbl.dll` (or `libruncbl.so` on Unix/Linux), is a specially relinked version of Acucorp's `wrun32.dll` (or `libruncbl.a` on Unix/Linux). You will need Microsoft Visual Studio standard edition in Windows or a C compiler and linker in Unix/Linux to build your vfc yourself.

If you want Veryant to create this file for you, you can send us all of the files in your Acucorp lib directory and tell us exactly which version of ACUCOBOL you have installed and the name and version of the operating system.

#### 2. Setting up your environment

The vfc depends on other DLLs that are in the `AcuGT/bin` directory. So make sure that `AcuGT/bin` is in `PATH` or that those DLLs are in a directory which is in `PATH`.

You need a valid Acucorp runtime license in the `PATH` as well.

#### 3. Assigning the vfc to your files

Once you have the vfc built and your environment set up, add the following line to your isCOBOL properties file to set all file access to the vfc:

```
iscobol.file.index=vfc
```

or this line to set up a single file if only one or some of your files are in the Vision format:

```
iscobol.file.index.FileName=vfc
```

FileName is the physical name of your file, but it must be written in lowercase in the properties file.

For example, if you have:

```
select mylogicalfile assign to "MyPhysicalFile"
```

then you would set:

```
iscobol.file.index.myphysicalfile=vision
```

**Note that:** if you have `iscobol.file_suffix=DAT` you must specify the file extension in all lowercase in the `iscobol.file.index.FileName` variable. For example:

```
iscobol.file_suffix=DAT iscobol.file.index.myphysicalfile.dat=vision
```

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