

# How can I generate QR codes from COBOL?

QR codes can be generated as bitmap files using the ZXing (Zebra Crossing) barcode scanning library.

All the file types supported by the W\$BITMAP routine can be used.

Here are the steps to compile and run the sample COBOL program (`QRSAMPLE.cbl`) which will generate a png file representing the QR code, show this png on video and allow you to print it.

- Download the latest jar of 'core' and 'javase' from <https://repo1.maven.org/maven2/com/google/zxing/>  
At the moment this article is written, the latest jars are `core-3.4.1.jar` and `javase-3.4.1.jar`
- Copy the two jars to the 'jars' directory of the isCOBOL SDK
- Copy `QRSAMPLE.cbl` to a directory, open the isCOBOL Shell and change to that directory
- Compile with the command:

```
iscc QRSAMPLE.cbl
```

- Run with the command:

```
iscrun QRSAMPLE
```

If you need help please let our support team know.

Click [here](#) to view the COBOL source.

Online URL: <https://support.veryant.com/phpkb/article.php?id=320>