

Java and COBOL on UNIX.

When starting to use Java and COBOL together for the first time and an unsupported JVM message appears, it means the wrong version of java is used.

Unsupported JVM

Release 4.0:

```
/opt/microfocus/cobol/bin/cobjrun32: CalcClient.main ended due to an exception  
Exception in thread "main" java.lang.UnsatisfiedLinkError: COBOL Runtime -  
unsupported JVM
```

```
    at com.microfocus.cobol.RuntimeSystem.&lt;clinit&gt;(Unknown Source)  
    at CalcClient.main(CalcClient.java:12)
```

```
neptun:scg&gt;java -version
```

```
java version "1.4.0_03"
```

```
Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.0_03-b04)
```

```
Java HotSpot(TM) Client VM (build 1.4.0_03-b04, mixed mode)
```

```
neptun:scg&gt;
```

Where can one find information about the actual supported java versions?

In the env.txt, which can be found in your \$COBDIR under docs, are all the supported versions of JAVA listed.

For Example on a Solaris machine that will be:

Supported versions of Java

```
-----  
Java version = 1.4.2_03  
Java vendor = Sun Microsystems Inc.  
Java OS name = SunOS  
Java OS arch = sparcv9  
Java OS version = 5
```

So after installing the correct Java version the calc_pi demo should now be able to compile and run.

The way to get the demo to work calc_pi is as follows:

```
/home/cobol/java > . $COBDIR/bin/cobsje -J /usr/local/java/j2sd  
k1.4.2_03 (This would be your pathname where Java resides)  
Java version = 1.4.2_03  
Java vendor = Sun Microsystems Inc.  
Java OS name = SunOS  
Java OS arch = sparcv9
```

Java OS version = 5.8

Then you can run the demo with the correct java version:

```
/home/cobol/java > ls  
build.sh  calc_pi.cbl  calc_pi.java  
/home/cobol/java > ./build.sh
```

```
/home/cobol/java > ls  
build.sh  calc_pi.cbl  calc_pi.class  calc_pi.int  calc_pi.java
```

```
/home/cobol/java > cobjrun calc_pi  
COBOL PI is : 3.141592653589793238462643383261  
Java's PI is : 3.141592653589793
```

```
/home/cobol/java >
```

More information about Java and COBOL can be found in the docs.