How do I specify properties or a properties file on the command line?

Question:

With other COBOLs I can specify a configuration file on the command line and runtime configuration variables in the environment.
How do I accomplish this with isCOBOL?

Answer:

You can specify a properties file on the command line as follows where FILENAME is the name of the properties file and PROGRAM is the name of the program:

```
iscrun -c FILENAME PROGRAM
```

or

```
java com.iscobol.invoke.Isrun -c FILENAME PROGRAM
```

When using the debugger, the properties must be specified after the -d:

```
iscrun -d -c FILENAME PROGRAM
```

or

```
java com.iscobol.invoke.Isrun -d -c FILENAME PROGRAM
```

Notice that the properties file is specified as the value of the iscobol.conf property. You can also specify other properties and "environment" variables for the COBOL program directly on the command line.

For example, to setup your program for remote debugging you could set iscobol.rundebug=2 as follows:

```
iscrun -J-Discobol.rundebug=2 PROGRAM
```

or

java -Discobol.rundebug=2 com.iscobol.invoke.Isrun PROGRAM

For another example, suppose your program has

```
ACCEPT ENV FROM ENVIRONMENT "env_var"
```

You could set env_var on the command line as follows:

```
iscrun -J-Discobol.env_var=VALUE PROGRAM
```

or

```
java -Discobol.env_var=VALUE com.iscobol.invoke.Isrun PROGRAM
```

If you want to set a property for the debugger itself, such as specifying memory sizes, set it on the java command line before the -d.

The following command sets the memory size for the debugger at 512Mg, and for the program to run in at 3Gb:

```
java com.iscobol.invoke.Isrun -Xmx512m -d -Xmx3g -c FILENAME PROGRAM
```

If you use version 2021R1 or later, you can set any configuration variable in your environment by using underscores instead of periods (because Windows doesn't allow periods in environment variables).

For instance you can set this in your environment:

```
Set MYAPP_VAR=Company1
```

And in your program:

```
accept var from environment "myapp.var"
```

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