

Save. Submit Job. Job Submission Failed. Submit *JCL* Job. Open Jobs.
Open SYSPRINT. Refresh Jobs. Open SYSPRINT. Save. Copy. Pull from
Mainframe. Paste. Save. Restart VSCode. `zowe zos-files list.`
`zowe zos-files download.` `zowe zos-files create.`
Confusion. Anxiety. Frustration. You're About To Go...

COWOL:

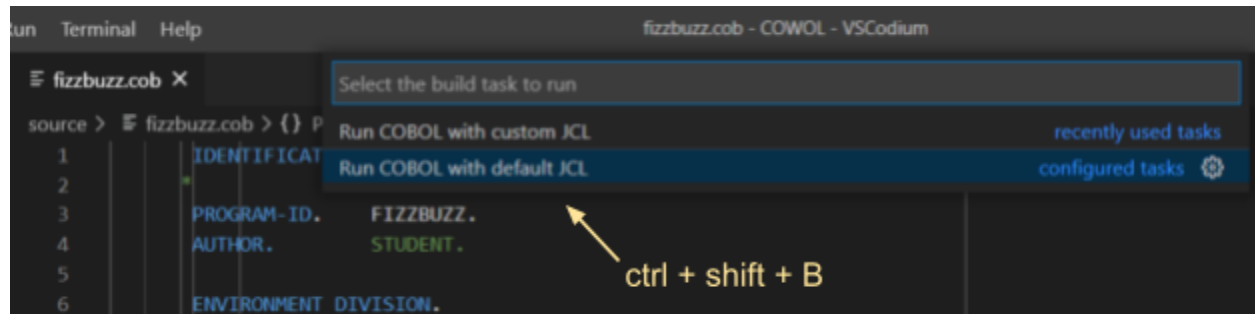
CObol WithOut Leave

COWOL is a way to leverage your OSMF and TSO enabled mainframes to their least potential while you are programming. That is, **COWOL** uses your z/OS systems to transparently run COBOL programs and view their outputs from VSCode, without you needing to worry about manipulating datasets, or hunting down those elusive IGYWCL reports. **COWOL** treats your mainframe as your sideframe and your patience as an unavailable resource. How different would your programming workflow be if there was an easy way to set up an Enterprise COBOL environment on your own machine? **COWOL** will take your words right out of your mouth and put your work back into your hands. Everywhere you go, **COWOL** is one step ahead. Everytime you screw up, **COWOL** will save your behind. Every breath you take, every move you make, **COWOL** is watching you.

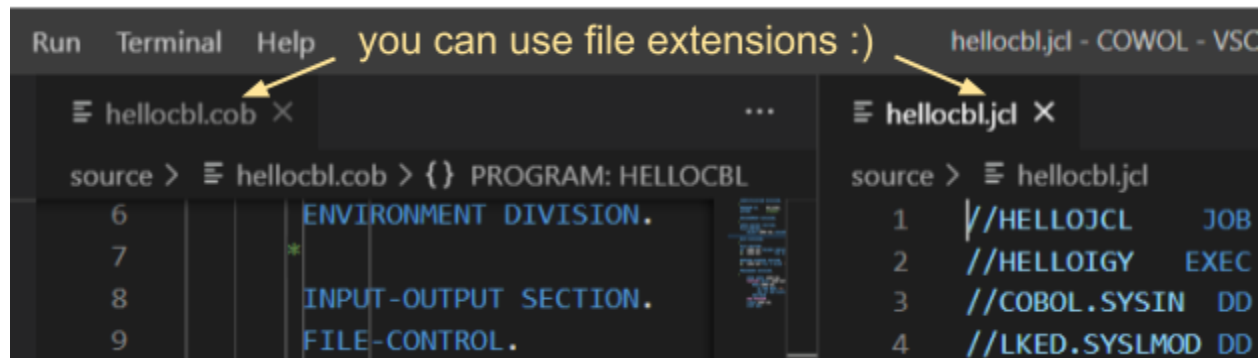
END DECLARATIVES.

PROCEDURE DIVISION.

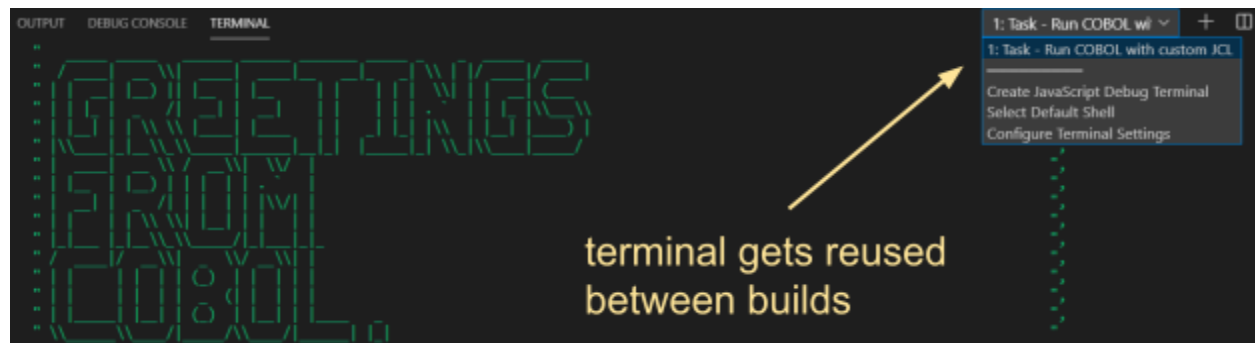
COWOL builds and tests Enterprise COBOL right from VSCode:



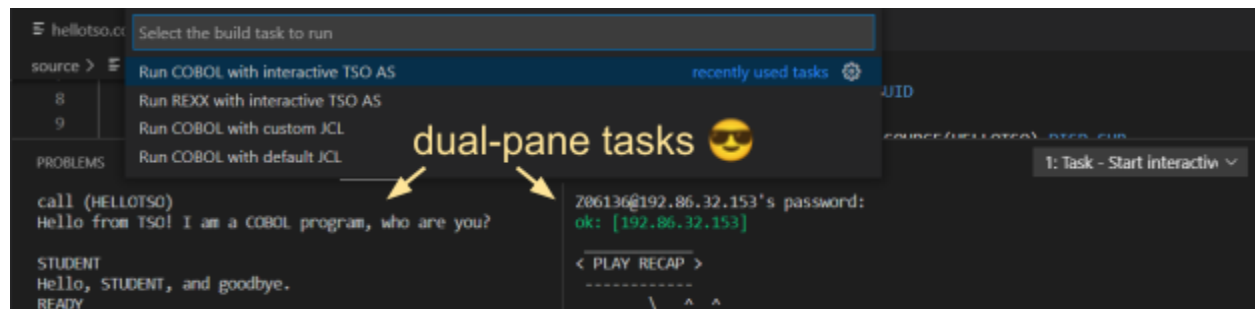
Open your COBOL and JCL in a VSCode editor:



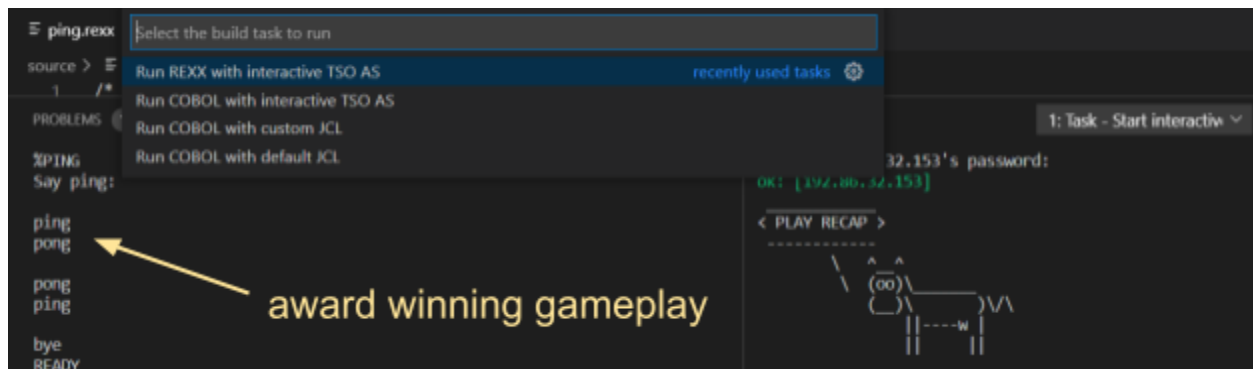
Recover SYSOUT and JES logs in a VSCode terminal:



Use TSO to run interactively or debug with the TEST command:



Or run some REXX instead:



(But there was already a free interpreter for that.)

Requirements:

- Docker with `mastertheframe/ansible:latest`
- VSCode with Zowe Explorer and a zos mainframe
- A terminal with Zowe-cli and sh (or equivalent)

Limitations/Improvements:

- Copying diffs with Endeavor or git integration would be faster
- Unsure if this works with more complex JCL/QMF modules
- Better support for copybooks and OO COBOL is needed
- Password input is inconvenient (SSH keys are better)
- Using a container just for ansible is a little excessive

Instructions/Source:

<https://github.com/mayhd3/COWOL>

References:

<https://github.com/OlegKunitsyn/gnucobol-debug>

<https://github.com/spantaleev/matrix-docker-ansible-deploy>

```
DISPLAY "Thank you for your consideration!"  
STOP RUN.
```