Code for IBM i Hidden Gems

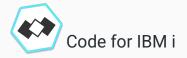
And VS Code's too



Who's this guy?

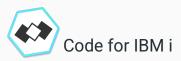
- Sébastien (Seb) Julliand
- Code for IBM i core team member
- IBM Champion 2024/2025
- Tech Lead at ARCAD Software





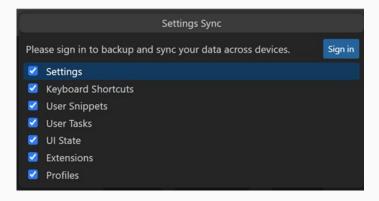
More like golden nuggets

- Features ...
 - "Hidden"
 - Precious (see *useful*)
 - (Not or not well documented **(**



VS Code settings sync

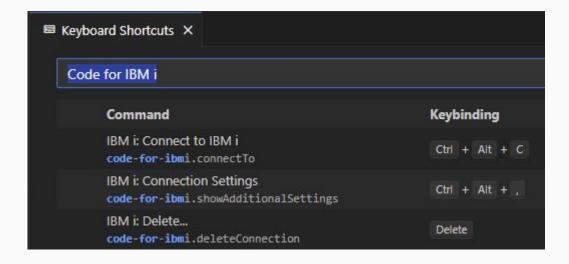
- Requires a GitHub or Microsoft account
- Saves most user settings
 - Except passwords 🥷
- Works in GitHub CodeSpaces
- Saves changes history
 - Rollback!

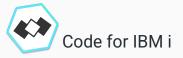




Keyboard Shortcuts

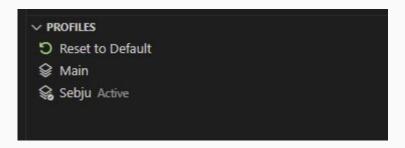
- Ctrl+K Ctrl+S
- Filter on "Code for IBM i"





Profiles

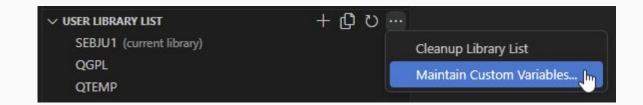
- Quickly switch between contexts
 - Object/IFS browsers filters
 - Library list and Current library
 - Working directory
 - Custom variables

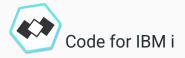




Custom variables

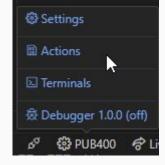
- Used in actions
- Saved in profiles

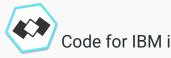




Actions

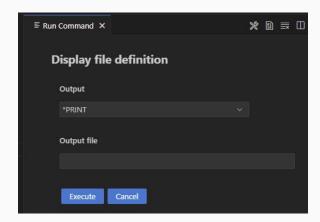
- Run one or several ILE, PASE or QShell commands
- Supports contextual variables (depending on the target)
 - Member
 - Streamfile
 - Object
 - Local workspace file
- Supports custom prompts!
- Can refresh target's parent explorer node
- Shortcut: Ctrl + e

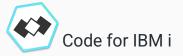




Custom action prompt

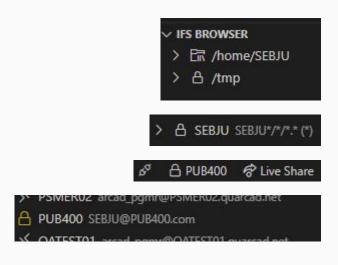
- Examples
 - Dropdown: OUTPUT(\${output|Output|*PRINT,*OUTFILE})
 - Text: OUTFILE(\${outfile|Output file})





Protected modes

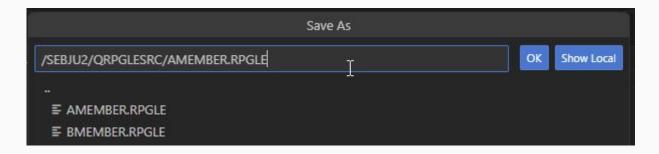
- Avoid "mistakes" on sensitive LPARs
- At different level
 - Global
 - Path based (QSYS and IFS)
 - Object browser filter

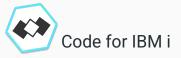




Save As

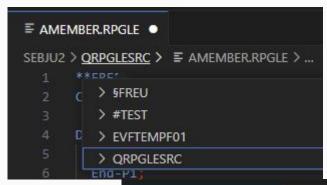
- Ctrl + Shift + S
 - Members
 - Streamfiles
- Browsable prompt

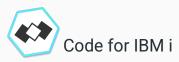




Breadcrumb

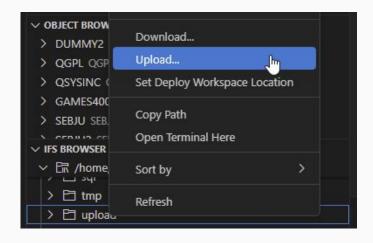
- Browse through
 - Libraries
 - Source files
 - Members
 - IFS folders

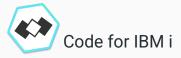




Download / Upload

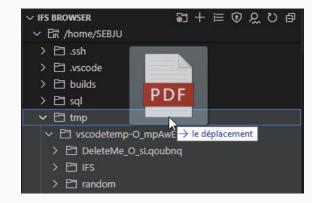
- Download
 - Source members: one or a whole file
 - IFS: files or folders
- Upload
 - IFS: files
 - Source member (just one)





Members/IFS Drag and Drop

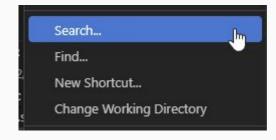
- Copy/move files/streamfiles
 - Default behavior as a setting
- Upload IFS from OS explorer
- Copy members to streamfiles





Search / Find

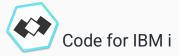
- Search...
 - Search content
 - Members and Streamfiles
- Find...
 - Search by name
 - Streamfiles only





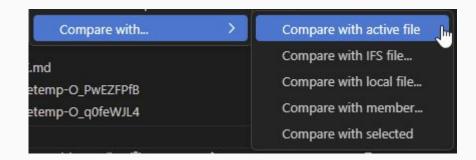
Compare

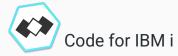
- Two tabs (standard VS Code)
 - Ctrl + click
 - Compare selected



Compare

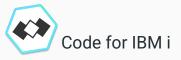
- Code for i specific
 - Member
 - Streamfile
 - Local file
 - Active editor
 - Selected Item





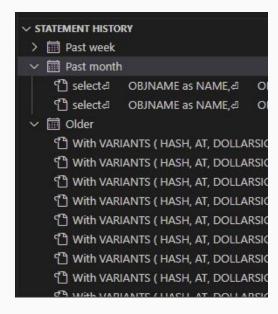
RPGLE Linter

- https://codefori.github.io/docs/extensions/rpgle/linter/
- Rules to write better and consistent code
- Shared rules
 - QSYS: member library>/VSCODE/RPGLINT.JSON
 - IFS: <workdir>/.vscode/rpglint.json
 - Workspace: .vscode/rpglint.json



Db2 statements history

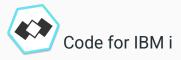
- Past executed statements
- Stored by LPAR and ...
 - Week
 - Month
 - Older





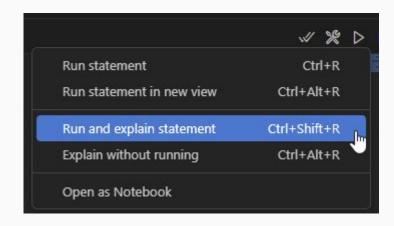
Db2 SQL processors

- Prefix statement with the desired processor
 - csv: open results in CSV format
 - json: open results in JSON format
 - update: run query, turn on editable cells
 - cl: run a CL command



Db2 Visual Explain

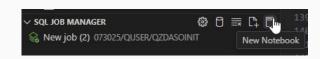
- Accessible from the top drop-down "play" menu





Db2 Notebooks

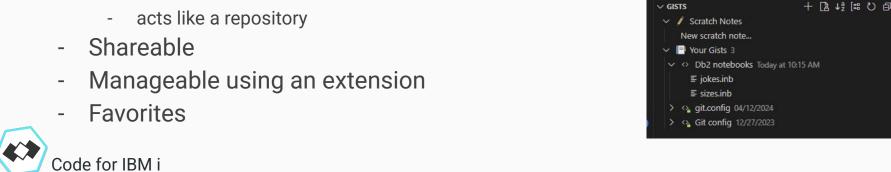
- .inb file
- Mix markdown and statements/commands
 - SQL
 - CL
 - shell
- Table or graph output
- https://codefori.github.io/docs/extensions/db2i/#notebooks





"Get the Gist"

- Collections of documents
 - Notebooks
 - Shell scripts
 - Code snippets
- Stored on GitHub



GistPad vo.6.0

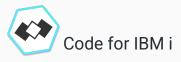
GISTPAD

Manage your code snippets and developer notes using GitHub Gists and repositories.

Uninstall ✓ ✓ Auto Update 🛞

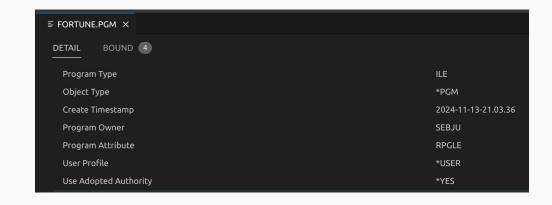
Local development

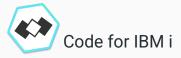
- Source files in local workspace
- Synchronized into Git (or not)
- Project specific Code for IBM i actions
- Deployed on the IFS
- Compiled from the IFS
- Dig deeper: IBM i Project Explorer



vscode-ibmi-fs (prerelease)

- https://github.com/codefori/vscode-ibmi-fs
- Object editors
 - *DTAARA
 - *MSGQ
 - *PGM/*SRVPGM
 - *BNDDIR
 - *MSGF
 - *DTAQ
 - *SAVF

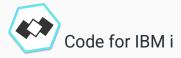




Any questions?

Don't be shy!





Thank you!

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sjulliand@arcadsoftware.com



