Customization + extensibility Part of "Introduction to Positron" workshop

Posit Software, PBC







Settings

Settings

- Nearly every part of Positron's editor, user interface, and functional behavior has customizable options. • Settings can be customized at two different scopes:
 - **User settings:** Settings that apply globally to any instance of Positron you open.
 - Workspace settings: Settings stored inside your workspace (folder) and only apply when the workspace is opened.
- Positron stores setting values in a settings JSON file.
- Settings can be changed by:
 - editing the settings JSON file or
 - using the Settings editor interface

Updating user settings

To update using the UI:

- In the Command Palette: Preferences: Open User Settings
- In the top menu: *Positron > Settings... > Settings*

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To edit the JSON file: In the Command Palette: Preferences: Open User Settings (JSON)

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Your turn Customize user settings

- Update your user settings to change the Icon Theme to Minimal via the Settings editor interface.
 - Hint: Filter for settings with the word "icon".
- Open the user settings.json file to confirm the change you made.
- In the user settings.json file, change the lcon Theme to vs-seti and save your changes.
- Go back to the Icon Theme settings in the Settings editor interface and confirm the change you made in the JSON file.





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Workspace settings

- Workspace settings are specific to a project and override user settings.
- Positron (like VS Code) stores workspace settings at the root of the project in a .vscode folder, making it easy to share settings with others in a version-controlled (e.g., Git) project.

Updating workspace settings

To update using the UI:

- In the Command Palette: *Preferences: Open Workspace Settings*
- In the top menu:
 Positron > Settings... > Settings

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To edit the JSON file: In the Command Palette: *Preferences: Open Workspace Settings (JSON)*



Your turn Customize workspace settings

- editor interface.
 - You can update whatever setting you like.
 - If you need inspiration, change the font size in the editor.
- change you made.
- Click on the Source Control icon in the Activity bar and view the diff created by Source Control when you updated your user settings.



• Update your workspace settings in the positron-workshop-project using the Settings

• Open the settings.json file in the .vscode folder of your project to confirm the

updating your settings. Contrast this to what happened (or didn't happen) in the



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Learn more

VS Code docs: User and workspace settings

<u>code.visualstudio.com/docs/configure/settings</u>

VS Code docs are good resources for understanding how Positron works!

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Keyboard shortcuts

Keyboard shortcuts

- Positron lets you perform most tasks directly from the keyboard.
- The Keyboard Shortcuts editor lists all available commands with and without keyboard shortcuts, and enables you to change, remove, or reset their keyboard shortcuts using the available actions.
- You can open the Keyboard Shortcuts editor:
 - From the Command Palette: Preferences: Open Keyboard Shortcuts
 - From the top menu: *Code* > *Settings* > *Keyboard Shortcuts*

Keyboard shortcuts for Command Palette actions

shortcut for any action you can take from the Command Palette.

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You can add a keyboard shortcut or customize the existing keyboard



Your RStudio keybindings in Positron

- You can enable RStudio keybindings in Positron with the Enable RStudio keybindings option.
- This might overwrite some of Positron's keybindings, so you might then wish to update / remove some newly enabled RStudio keybindings.

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Learn more

VS Code docs: Keyboard shortcuts for Visual Studio Code <u>code.visualstudio.com/docs/configure/keybindings</u>



Primary side bar

- By default, the Primary Side Bar is located on the left and shows views such as the Explorer, Search, and Source Control views.
- Contents of the Primary Side Bar is controlled by what is selected in the Activity Bar.

Demo **Customizing layout**

- Move the primary side bar to the right.
- Move the activity bar to the top.

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Customize layout control

- The title bar has buttons to toggle the visibility of UI elements.
- The rightmost button brings up the Customize Layout dropdown that gives you finer control over the visibility and layout of various UI elements.

Customize Layout

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Learn more

VS Code docs: Custom Layout <u>code.visualstudio.com/docs/configure/custom-layout</u>

Extensions



Extensions

- Extensions let you add languages, debuggers, tools, themes, etc. to
- with each other.
- Unlike in VS Code, you install Positron extensions from <u>Open VSX</u>.

Positron to support your development workflow (just like in VS Code).

Your Positron and VS Code extensions are separate and won't interfere

Your turn Install extension

- Click on the Extensions icon from the Activity Bar in Positron.
- If you haven't yet done so, search for and install the Project Manager extension.
- If you have already installed it, or if you would like to install one more extension, find and install the Solarized & Selenized extension.
- Use the Command Palette to set the theme of your Positron window to a Solarized or Selenized theme of your choice. Hint: Start typing theme in the Command Palete.

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Built-in extensions

- Basics) are installed with Positron.
- They can only be updated by updating Positron.
- They can be seen in the extensions view with @builtin.

Built-in extensions (e.g., R, Positron Python, and Markdown Language

Demo Built-in extensions

- Click on the Extensions icon in the Activity Bar.
- Type <a>[e] builtin in the Extension search bar.
- Review the built-in extensions.

Built-in extensions



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Bundled extensions

- with Positron.
- They can be updated independently of updating Positron.

• Bundled extensions (e.g., Quarto, Air, GitHub Pull Requests) are installed

Other extensions

- Any other extensions need to be installed from Open VSX.
- Popular extensions you might consider installing are Project Manager, Shiny, Rainbow CSV, indent-rainbow, etc.
- You can also install Extension Packs; a collection of packs curated by users for specific tastes, tasks, or languages.

Your turn Install the ugliest theme extension

- Find the ugliest theme extension you can.
- Install the extension and apply the theme.



• Note: You might get a warning about whether you trust the publisher of a theme you choose. Read the warning carefully. The decision is yours!



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Extension settings

- Installed Positron extensions can also contribute their own settings, which you can review under the Extensions section of the Settings editor.
- These can be set at the user or workspace level as well.



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A word of caution

Extensions alter the look and functionality of Positron and can conflict with each other. We recommend being selective in extensions you have enabled at any given point, and disabling or uninstalling the ones you no longer use.



Learn more

Positron docs: Extensions positron.posit.co/extensions.html