Recommended Settings and Extensions in JupyterLab

Table of contents

JupyterLab is highly customizable and has a rich ecosystem of extensions that can extend Jupyter's functionality. In this section, we recommend several setting configurations and extensions that we have found provide the best user experience for data scientists using JupyterLab on Posit Workbench.

Recommended settings

We recommend configuring the following settings at the user level. To edit your user settings file activate the command pallet using **Cmd** + **Shift** + **C** for macOS or **Ctrl** + **Shift** + **C** for Windows and then type "Advanced JSON Settings Editor". Refer to the Configuring Settings page for more details regarding JupyterLab settings in Posit Workbench.

Notebook settings

We recommend the following settings in the Notebook section of the **Advanced JSON Settings Editor**. `tabSize` set to `4` and `wordWrapColumn` set to `80` should be the default values, but if different, we recommend setting these values to align with best practice per pep8. We also recommend setting `lineNumbers` to `true` for easier code referencing.
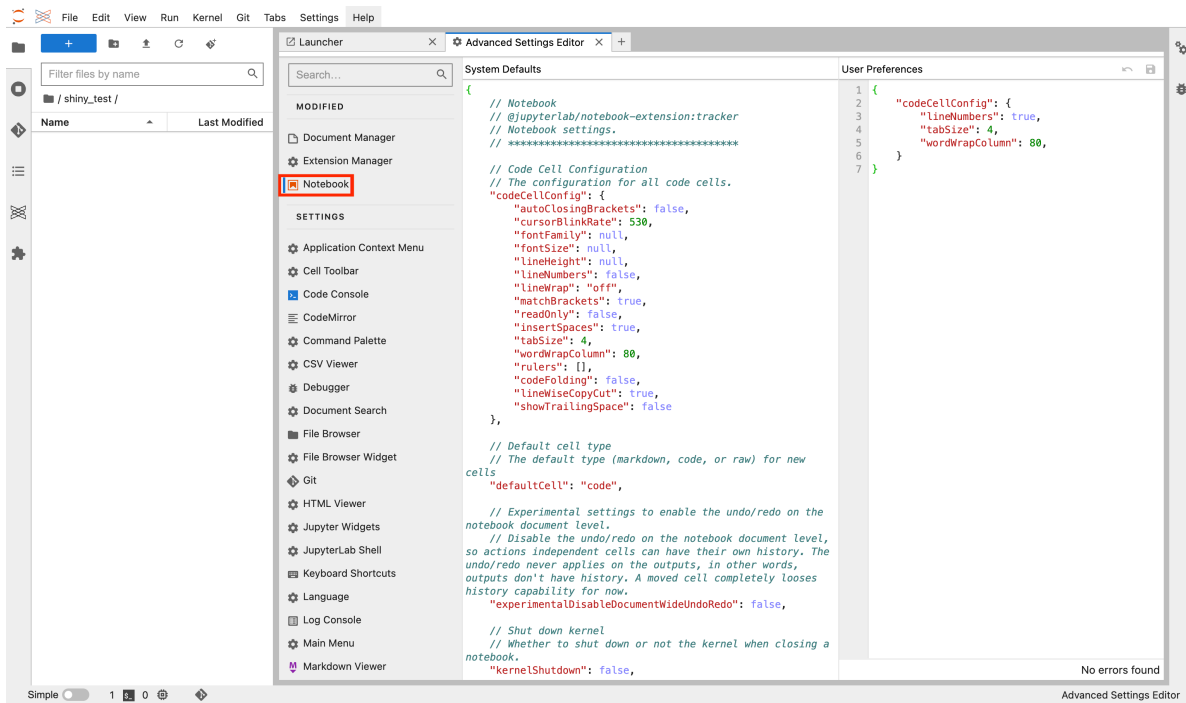
Figure 1: Notebook user settings

```
{
    "codeCellConfig": {
        "lineNumbers": true,
        "tabSize": 4,
        "wordWrapColumn": 80,
    }
}
```

Document Manager settings

We recommend the following setting in the Notebook section of the **Advanced JSON Settings Editor**. autosaveInterval to 60 or a lower value so documents are saved faster than the default of 120 seconds.
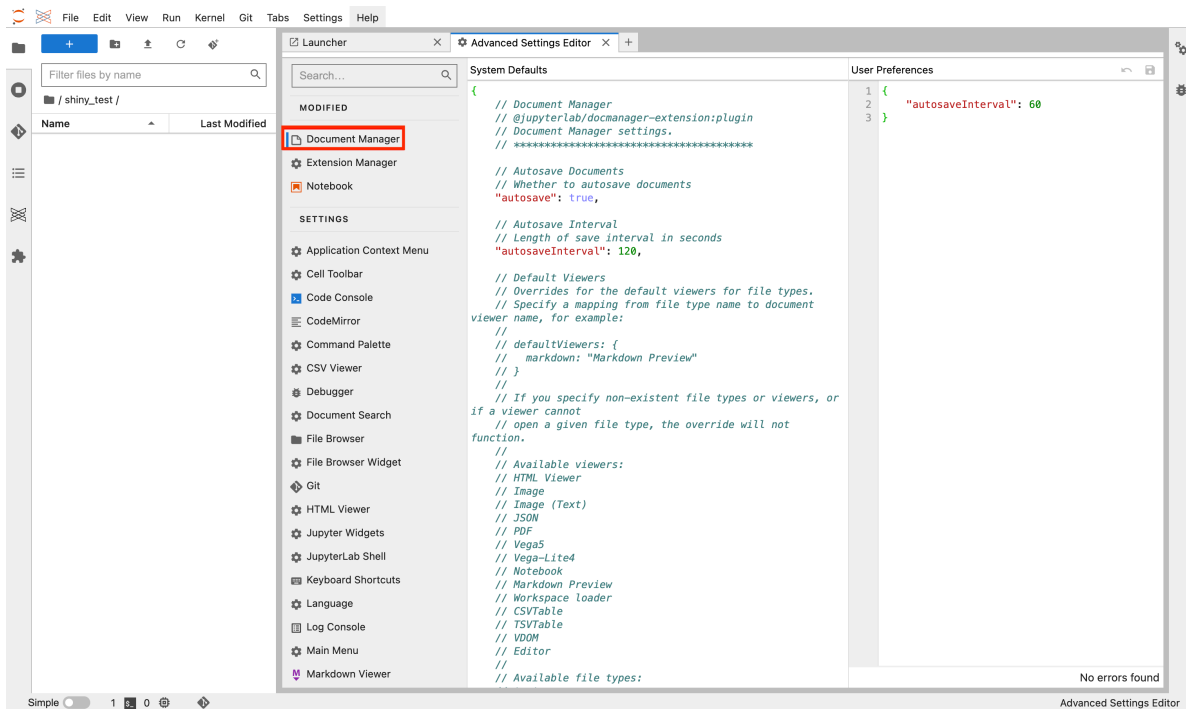
```
{
    "autosaveInterval": 60
}
```

Figure 2: Document Manager user settings

Recommended extensions

We recommend installing the following JupyterLab extensions. To read more about installing extensions, please refer to the [JupyterLab Extensions](#) section.

Git

Git for JupyterLab is an official JupyterLab extension and provides a rich user interface for version control workflows using Git. Use the command below in the terminal to install the Git extension:

```
python -m pip install --upgrade jupyterlab jupyterlab-git
```

spellchecker

The spellchecker extension highlights misspelled words in markdown cells within notebooks and text files. Use the command below in the terminal to install the spellchecker extension:

```
python -m pip install jupyterlab-spellchecker
```