

[Menu](#)

Upgrade Python Version In Visual Studio Code Python Workspace

Aug 30, 2019 by Beaulin Twinkle

In my earlier article, I have explained how to [upgrade Python on macOS](#) and [setup Visual Studio Code project for Python development](#). Now we will see how to upgrade the already setup Python environment in VS Code workspace.

In my current Python workspace, the interpreter is pointing to a virtual environment with Python 3.7.4. To upgrade this to version 3.8.5, I've followed these steps.

Caution

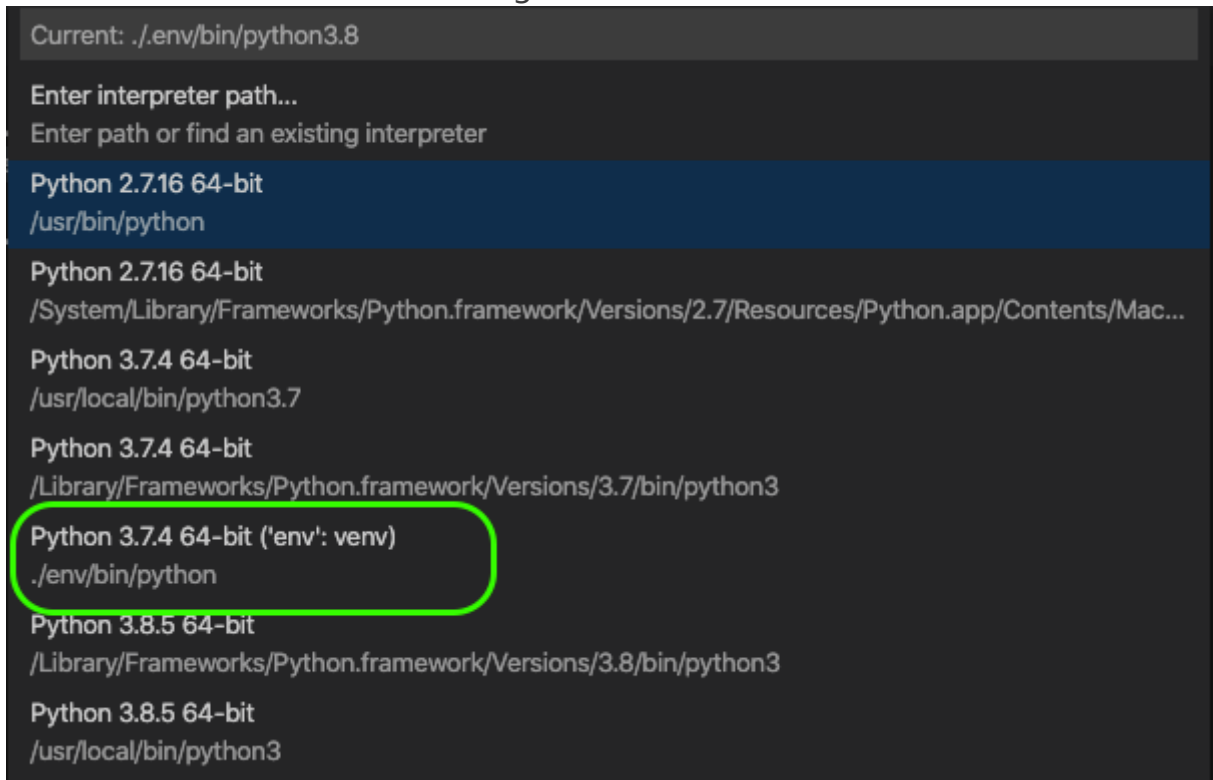
When upgrading the python interpreter version in python workspace, you may encounter errors or warnings while running the project because of incompatible usage of methods or objects. So please review the [release documents from python.org](#) before upgrading and prepare an action plan to migrate the code to new version of Python.

Prerequisites

- [VS Code](#) should be setup to use Python.
- A [Python virtual environment](#) should be created for the VS Code workspace.
- [Python](#) should be upgraded on macOS to the desired version which you want to use in the VS Code workspace. Here in my case it's 3.8.5.

Steps To Upgrade Python In Workspace

1. Launch the Visual Studio Code python workspace.
2. Check the current python virtual environment version. You can check this by opening the **Command Palette** (by pressing **Shift, Command and P** keys) and select **Python: Select Interpreter**. This will show you the list of interpreters, both global and virtual. In my case **Python 3.7.4 64-bit** is the current virtual environment and 3.8.5 is listed as global environment.



3. Go back to **Command Palette** and search and start **Terminal: Create New Integrated Terminal**. The terminal panel will open at the bottom.
4. In the terminal run the below command. In this command **python3.8** is important to upgrade the environment with Python 3.8.x. **env** is the existing name of the virtual environment.

```
1 python3.8 -m venv --upgrade env
2 source env/bin/activate
```

5. Restart VS Code and open the workspace.
6. Now go back to the Command Palette and type in and select **Python: Select Interpreter** again.
7. You can see the newly upgraded version (3.8.5) of python virtual environment listed.



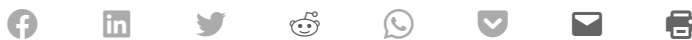


8. Select the virtual environment **Python 3.8.5 64-bit ('env': venv)**.
9. From now on, the VS Code workspace will use the environment with the new version of Python.



Tools & Technologies Used

- macOS Catalina (10.15.6)
- Visual Studio Code (1.48.2)
- Python (3.8.5)



Python Python 3.7.x, Python 3.8.x, Python 3.x, Python Tips, Visual Studio Code

< Why list = list should not be used to copy or clone lists in Python?

> Reading a file into a list in Python

Related Articles & Tools

Leave Your Thoughts...

Enter your comment here...

This site uses Akismet to reduce spam. [Learn how your comment data is processed.](#)

Article Categories

[Android \(2\)](#)

[Apple \(16\)](#)

[macOS \(16\)](#)

[Internet & Web Dev. \(127\)](#)

[DNN \(4\)](#)

[Java Script \(10\)](#)

[Jquery \(8\)](#)

[Python \(65\)](#)

[Twitter Bootstrap \(25\)](#)

[Web Security \(11\)](#)

[Zurb Foundation \(6\)](#)

[Linux \(2\)](#)

[Microsoft \(265\)](#)

[.Net \(59\)](#)

[IIS \(10\)](#)

[Internet Explorer \(3\)](#)

[Office \(2\)](#)

[SQL Server \(183\)](#)

[Windows \(22\)](#)

[Networks And Distributed Systems \(2\)](#)

[Oracle \(4\)](#)

[Oracle Database \(4\)](#)

[Others \(4\)](#)

[Reviews \(10\)](#)

Recent Articles

[How to loop through table rows without cursor in SQL Server?](#) Mar 26, 2021

[Script To Backup All The Databases In SQL Server](#) Mar 10, 2021

[Finding triggers on table or schema in SQL Server DB](#) Feb 26, 2021

[Escaping square brackets in LIKE clause in SQL Server](#) Feb 17, 2021

[FOR LOOP in SQL Server?](#) Feb 7, 2021

[Search the whole database for a string in SQL Server](#) Jan 29, 2021

[How to avoid the error "string or binary data would be truncated" and insert string with truncation in SQL Server?](#) Jan 18, 2021

[How to execute SQL Server stored procedure from Python?](#) Dec 18, 2020

[Error: 'SqlConnection' could not be found in the namespace \(Solved\)](#) Dec 11, 2020

[How to execute an SQL Server stored procedure from a C# program?](#) Dec 11, 2020

Subscribe MyTecBits.com

[Subscribe!](#)

Online Tools

[Fitness Calculators](#)

[Encoders & Decoders](#)

[Cryptography](#)

[Unit Converters](#)

[Math. Calculators](#)

[Date & Time Calculators](#)

Popular Articles

[SQL Server: Concatenate Multiple Rows Into Single String](#)

[How To Get Day Of Week In SQL Server?](#)

[Find Indexes On A Table In SQL Server](#)

[SQL Server: Search and Find Table by Name](#)

[Where is SQL Server Configuration Manager?](#)

[Home](#) [About Us](#) [Contact Us](#) [Site Map](#) [Terms Of Use](#) [Privacy Policy](#)

© 2012 - 2021 My Tec Bits. All Rights Reserved.