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See my spyder (debugger / IDE of python scripts) screenshot console part. I changed ownership of spyder.exe and added full control in windows security to user juhi, but when starting from start menu, some rights are not recognized.

When I run spyder through powershell there is no issue.

The issue you're seeing is that the Spyder console is trying to access the directory C:\Users\juhi\AppData\Roaming\jupyter\runtime, which doesn't exist or isn't writable when launched from the Start Menu.

This is a common problem with Jupyter/IPython kernel startup, and it's related to how Windows handles environment variables and permissions differently depending on how the application is launched.

Here are several solutions:

**Solution 1: Create the Missing Directory (Quickest)**

Simply create the missing directory:

1. Open File Explorer
2. Navigate to C:\Users\juhi\AppData\Roaming\
3. Create a folder named jupyter if it doesn't exist
4. Inside jupyter, create a folder named runtime
5. Right-click the jupyter folder → Properties → Security → Edit → Add full control for your user

**Solution 2: Set JUPYTER\_RUNTIME\_DIR Environment Variable**

1. Press Win + X and select "System"
2. Click "Advanced system settings"
3. Click "Environment Variables"
4. Under "User variables", click "New"
5. Variable name: JUPYTER\_RUNTIME\_DIR
6. Variable value: C:\Users\juhi\.jupyter\runtime (or any writable path)
7. Click OK and restart Spyder

**Solution 3: Run as Administrator Initially**

1. Right-click Spyder in Start Menu
2. Select "Run as administrator" once
3. This should create the necessary directories with proper permissions
4. After that, you should be able to run it normally

**Solution 4: Reset Jupyter/Spyder Configuration**

Open PowerShell and run:

powershell

jupyter --paths

jupyter --data-dir

This will show you where Jupyter expects directories. Then manually create those directories with proper permissions.

**Most Likely Cause**

The PowerShell environment properly initializes user environment variables and PATH settings, while the Start Menu shortcut might be using elevated permissions or a different context that doesn't have the same access.

Try **Solution 1** first as it's the quickest fix. If that doesn't work, use **Solution 2** to explicitly tell Jupyter where to create its runtime files.

Retry

Claude does not have the ability to run the code it generates yet.

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I don't see run as administrator in setting for spyder - properties

You're right - the "Run as administrator" option isn't in the file properties. It's in the Start Menu shortcut's properties. But based on your screenshots, I can see you're looking at the actual executable file, not the shortcut.

Let me give you the correct steps:

**To Find "Run as Administrator" Option:**

**Method 1: From Start Menu Shortcut**

1. Press the Windows key
2. Type "Spyder"
3. **Right-click** on the Spyder icon in the search results
4. You should see "Run as administrator" in the context menu
5. OR click "Open file location" to find the shortcut, then:
   * Right-click the shortcut → Properties → Compatibility tab
   * Check "Run this program as an administrator"

**Method 2: Find the Actual Shortcut**

The Start Menu shortcuts are typically located at:

C:\ProgramData\Microsoft\Windows\Start Menu\Programs\

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or

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C:\Users\juhi\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\

Find the Spyder shortcut (not the .exe), right-click it, and go to the Compatibility tab.

**But Actually, Try These Solutions First:**

Since you're already in the file properties, let's focus on fixing the **actual issue** - the missing Jupyter runtime directory:

**Quick Fix - Create the Directory:**

1. Open File Explorer
2. Paste this in the address bar: %APPDATA%
3. Press Enter (this takes you to C:\Users\juhi\AppData\Roaming)
4. Create a new folder called jupyter
5. Inside jupyter, create a folder called runtime
6. Right-click the jupyter folder → Properties → Security → Edit
7. Select your user "juhi" and give Full Control

**OR Set Environment Variable:**

1. Press Win + R
2. Type sysdm.cpl and press Enter
3. Go to "Advanced" tab → "Environment Variables"
4. Under "User variables", click "New"
5. Variable name: JUPYTER\_RUNTIME\_DIR
6. Variable value: C:\Users\juhi\.jupyter\runtime
7. Click OK, restart Spyder

The directory creation method should solve your problem immediately!

Retry

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Open file location leads to exe file not the shortcut. What to do?

If "Open file location" leads to the .exe file instead of a shortcut, the Start Menu is directly launching the executable. Let's create a proper shortcut with the right settings:

**Solution: Create a New Shortcut with Proper Settings**

**Step 1: Create a Shortcut**

1. Right-click on spyder.exe (the file you showed in the screenshot at D:\Programs\Python\Scripts)
2. Select "Create shortcut"
3. A shortcut will be created in the same folder

**Step 2: Configure the Shortcut**

1. Right-click the new shortcut → Properties
2. Go to the **Compatibility** tab
3. Check ☑ "Run this program as an administrator"
4. Click Apply → OK

**Step 3: Move Shortcut to Start Menu (Optional)**

1. Right-click the shortcut and select "Cut"
2. Navigate to: C:\ProgramData\Microsoft\Windows\Start Menu\Programs\
3. Paste it there (you may need administrator permission)
4. Or simply pin it to Start Menu or Taskbar from its current location

**BUT - The Faster Solution (Recommended):**

Instead of dealing with administrator rights, just **create the missing directory** that Spyder needs:

1. Press Win + R
2. Type: %APPDATA% and press Enter
3. Create folder: jupyter
4. Inside jupyter, create folder: runtime
5. Restart Spyder

This is much simpler and solves the actual problem without needing administrator rights!

**Alternative: Run Once from PowerShell as Admin**

powershell

mkdir "$env:APPDATA\jupyter\runtime" -Force

This creates the directory, and then Spyder should work normally from the Start Menu.

**Try the directory creation method first** - it's the cleanest solution! 👍

Retry

Claude does not have the ability to run the code it generates yet.

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Run compatibility will not have administrator option. See screenshot

Perfect! I can see the Compatibility tab now. You're right - there's a checkbox for **"Run this program as an administrator"** in the Settings section.

**Here's what to do:**

1. ☑ **Check the box** "Run this program as an administrator" (5th checkbox in the Settings section)
2. Click **"Apply"**
3. Click **"OK"**

This should solve the permission issue when launching from the Start Menu.

**However, there's still a better approach:**

Even with administrator rights, the underlying issue is the missing Jupyter runtime directory. So I recommend **doing both**:

**1. Enable "Run as administrator" (as shown above)**

**2. Create the missing directory:**

* Press Win + E to open File Explorer
* In the address bar, type: %APPDATA% and press Enter
* Create a new folder named jupyter
* Inside jupyter, create a folder named runtime

This combination should completely resolve your issue. The directory creation is important because even with admin rights, if the directory doesn't exist, Jupyter/IPython console might still have issues.

**Try checking that "Run this program as an administrator" box first**, apply it, and launch Spyder from the Start Menu again to see if it works!

Retry

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That was it! Now no error message of permission etc in spyder console!

Excellent! 🎉 I'm glad that fixed it!

So the issue was that when Spyder was launched from the Start Menu without administrator privileges, it couldn't create the necessary Jupyter runtime directory in AppData\Roaming. Running it as administrator gave it the permissions it needed.

Now your Spyder console should work properly whether you launch it from the Start Menu or PowerShell.

Just keep in mind that running programs as administrator gives them elevated permissions, so it's generally good practice to only do this for programs you trust (which Spyder certainly is!).

Happy coding! 🐍