# Manual Patch Instructions for trakt Library

This document provides the necessary steps to manually patch the trakt library after performing a fresh installation. These patches are required to fix critical bugs present in version 3.4.0 of the library, which cause authentication failures and incorrect API requests.

When to use this guide:

You must follow these steps every time you set up this project in a new, clean environment (i.e., after cloning the repository and creating a new virtual environment).

### Step 1: Install Dependencies

First, install all the project dependencies as usual from your project's root directory. This will install the problematic trakt==3.4.0 version, which we will then patch.

# Activate your virtual environment first  
# On Windows: venv\Scripts\activate  
# On macOS/Linux: source venv/bin/activate  
  
pip install -r requirements.txt

### Step 2: Locate the Library Files to Patch

Navigate into your virtual environment's site-packages directory to find the two files that need to be edited.

**File Paths:**

* venv/Lib/site-packages/trakt/core.py
* venv/Lib/site-packages/trakt/users.py

*(Note: On macOS or Linux, the path might be venv/lib/pythonX.X/site-packages/trakt/)*

### Step 3: Patch core.py

This patch corrects the outdated and incorrect Trakt API base URL.

1. Open the file: venv/Lib/site-packages/trakt/core.py
2. **Find this line:**  
   BASE\_URL = 'https://api-v2launch.trakt.tv/'
3. **Replace it with this line:**  
   BASE\_URL = 'https://api.trakt.tv/'

### Step 4: Patch users.py

This patch fixes the library's internal logic for constructing URLs, which was causing api.trakt.tvusers errors.

1. Open the file: venv/Lib/site-packages/trakt/users.py
2. **Find the \_get method within the User class:**  
   def \_get(self, path, \*\*kwargs):  
    # ... (original method content)
3. **Replace the entire \_get method** with the following code, which manually constructs the correct URL:  
   def \_get(self, path, \*\*kwargs):  
    if self.username == 'me':  
    path = 'users/me'  
    else:  
    path = f'users/{self.username}'  
     
    with self.client.session.get(urljoin(trakt.core.BASE\_URL, path), \*\*kwargs) as response:  
    return self.client.handle\_response(response)  
     
   *Note: You may also need to add from urllib.parse import urljoin and import trakt.core to the top of the users.py file if they are not already present.*

### Conclusion

Once these two files have been patched, the trakt library will function correctly in the new environment. You can now run the application using python app.py, and it will be able to authenticate and sync without the previous errors.