🔩 **1. Start the Local API Bridge Server**

✅ **Steps:**

1. Open **Terminal or PowerShell**

2. Navigate to the bridge server folder:

   cd C:\customgpt_server_vscode

3. Start the server

   npm start

You should see: ✅ VS Code API bridge running at http://localhost:3001

🌐 **2. Start the ngrok Tunnel**

✅ **Steps:**

1. Open a **second terminal window**

2. Run:

   ngrok http 3001

3. Copy the new **ngrok HTTPS URL**, e.g.:

   https://dcd7-70-122-228-35.ngrok-free.app

🛠️ **3. Update the Custom GPT's Actions**

✅ **Steps:**

1. Go to https://chat.openai.com/gpts and click **Edit** on your Custom GPT.

2. Click the **"Actions"** tab.

3. Scroll to the **OpenAPI schema editor**

4. Replace the servers block with your new URL:

   servers:

      - url: https://your-new-ngrok-url.ngrok-free.app

5. Click **"Save"** at the top right

✅ You're done! The GPT will now route live API calls through ngrok to your local server.

🧪 **4. Test the Integration (Optional)**

Try prompts like:

"List all files in my project"
"Read the file at src/index.js"
"Suggest a refactor for helpers.js"
"Run the command code --version"

🔄 **Optional: Resetting Later**

If your machine restarts, or you're coming back to work on the Rex project, just repeat:

1. npm start to launch the API bridge

2. ngrok http 3001 to expose it again

3. Paste the new ngrok URL into your GPT's servers block in the Actions tab

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💡 **Optional Quality-of-Life Additions**

🔄 **Create a startup .bat file (Windows)**

Save this as start_rex_env.bat:

```
start cmd /k "cd C:\customgpt_server_vscode && npm start"

start cmd /k "ngrok http 3001"
```

Now you can double-click it to launch both terminals in one go.