To create a CI/CD pipeline from **local code → GitHub → GoDaddy (cPanel server)**, you'll need to automate deployment from GitHub to GoDaddy. Since GoDaddy shared hosting doesn’t support tools like Jenkins or GitHub Actions directly on the server, we use **GitHub Actions** + **SSH access** to push code to the server.

**✅ Requirements:**

1. A GoDaddy hosting account with **cPanel access**.
2. SSH access enabled on cPanel.
3. A GitHub repository for your project.
4. Local code ready to push to GitHub.
5. A domain/subdomain configured (optional).

**🚀 Pipeline Overview:**

Local Code → GitHub Repo → GitHub Actions CI/CD → GoDaddy Server via SSH

**🛠️ Step-by-Step Setup**

**🔹 Step 1: Push Code to GitHub**

1. Initialize Git in your local project folder:
2. git init
3. git remote add origin https://github.com/your-username/your-repo.git
4. git add .
5. git commit -m "Initial commit"
6. git push -u origin main

**🔹 Step 2: Enable SSH Access on GoDaddy (cPanel)**

1. Login to your GoDaddy cPanel.
2. Go to **SSH Access**.
3. Generate an SSH key pair or upload your public key.
4. Enable SSH access for your user.
5. Get your **server IP**, **SSH port** (default: 22), and **username**.

**🔹 Step 3: Add SSH Key to GitHub Secrets**

On GitHub:

1. Go to your repo → **Settings** → **Secrets and variables** → **Actions**.
2. Click **New repository secret**, add the following:

| **Secret Name** | **Value** |
| --- | --- |
| CPANEL\_HOST | yourdomain.com or IP address |
| CPANEL\_PORT | 22 (or custom SSH port) |
| CPANEL\_USERNAME | Your cPanel username |
| SSH\_PRIVATE\_KEY | Paste your **private SSH key** here |
| TARGET\_PATH | e.g., /home/username/public\_html/yourapp |

**🔹 Step 4: Create GitHub Action Workflow**

Create the workflow file:

**.github/workflows/deploy.yml**

name: Deploy to GoDaddy cPanel

on:

push:

branches:

- main

jobs:

deploy:

runs-on: ubuntu-latest

steps:

- name: Checkout code

uses: actions/checkout@v3

- name: Setup SSH

uses: webfactory/ssh-agent@v0.7.0

with:

ssh-private-key: ${{ secrets.SSH\_PRIVATE\_KEY }}

- name: Deploy via SCP

run: |

scp -r -P ${{ secrets.CPANEL\_PORT }} \* ${{ secrets.CPANEL\_USERNAME }}@${{ secrets.CPANEL\_HOST }}:${{ secrets.TARGET\_PATH }}

You can customize scp command to exclude .git/, node\_modules/, etc.

**🔹 Step 5: Commit and Push**

Push your .github/workflows/deploy.yml to GitHub:

git add .github/

git commit -m "Add deploy pipeline"

git push

GitHub Actions will automatically deploy your code to GoDaddy on each push to main.

**✅ Optional Enhancements**

* Use .env files and exclude them from Git.
* Use rsync for better syncing (if supported).
* Add backup or rollback scripts.
* Run a build script before deployment (e.g., npm run build).

**🧪 Test It**

1. Make any change to your local code.
2. Commit and push to main.
3. Go to **GitHub → Actions**, and watch the pipeline run.
4. Check the GoDaddy server to see the updated code.

Let me know if your server uses **FTP instead of SSH**, or if you want to trigger deployment from a different branch or manually.