

## Automating Deployment in Coolify

Here are the **step-by-step instructions for enabling automated deployment in an Coolify project.**

**Production environment → triggered by main branch**

**Staging environment → triggered by Stage branch**

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## Webhook-Based Auto Deployment in Coolify for an Existing Project (Two Environments)

### Step 1: Open Your Existing Project in Coolify

1. Log in to Coolify.
2. Go to **Projects**.

Select your **existing project** (the one already running both environments).

You will see **two services** inside it:

1. Production service
2. Staging service

### Step 2: Configure Webhook for the Production Environment (main Branch)

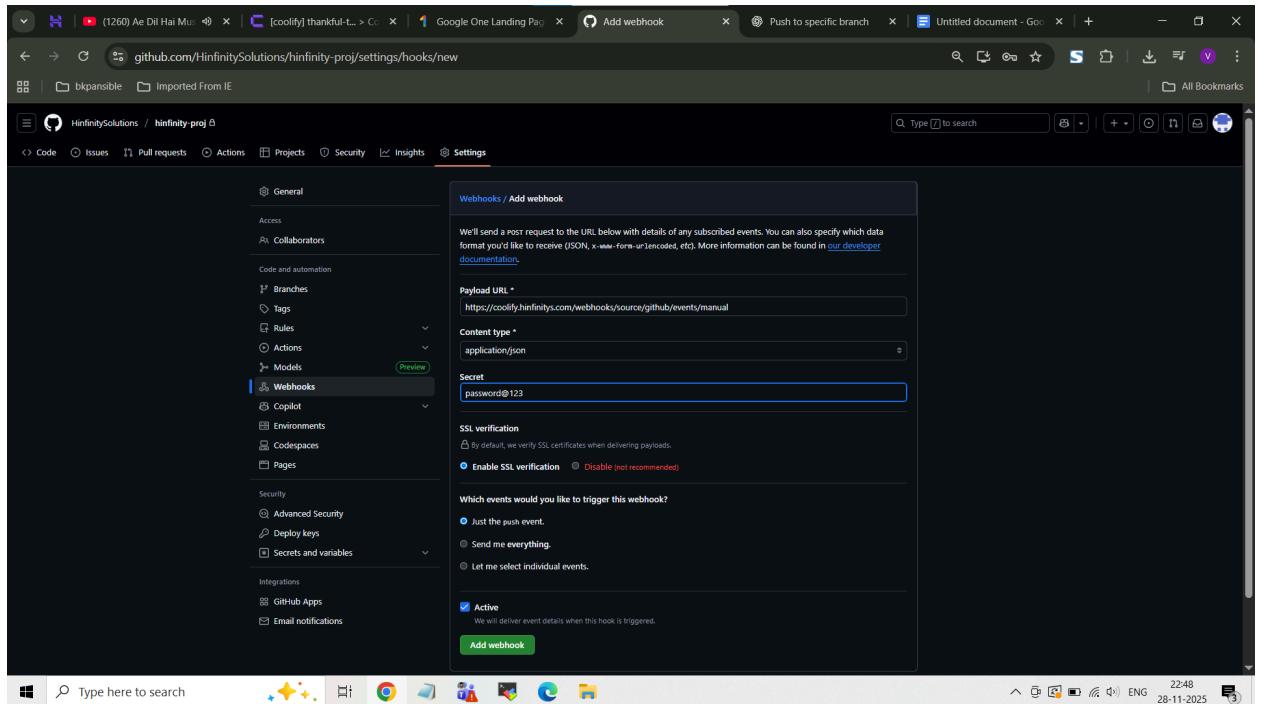
1. Click the **Production** Environment Click on Application.
2. Then Click on configuration.
3. Make Sure Branch is specified correct by clicking on **Git Source**

The screenshot shows the Coolify Configuration interface. On the left, there's a sidebar with various project management options like Dashboard, Projects, Servers, Sources, Destinations, S3 Storages, Shared Variables, Notifications, Keys & Tokens, Tags, Terminal, Profile, Teams, and Settings. The 'Projects' option is currently selected. The main panel has tabs for Configuration, Deployments, Logs, Terminal, and Links. The 'Configuration' tab is active. Under Configuration, there are sections for General, Advanced, Environment Variables, Persistent Storage, and Git Source. The 'Git Source' section is highlighted. It shows a repository dropdown set to 'venkaiyah-hinsoft2/Hinfinity-Official-website.git' and a branch dropdown set to 'main'. Below this, there's a 'Deploy Key' section with a note about a private key attached. A prominent warning message at the bottom right states: 'The latest configuration has not been applied' with a yellow warning icon and a link to 'Please redeploy to apply the new configuration.'

4. Click on Webhooks
5. Copy the **Webhook URL for production** (unique Coolify link) and give the password

This screenshot shows the same Coolify Configuration interface, but the 'Webhooks' tab is now active in the sidebar. The main panel displays a 'Webhooks' section with a note that 'Deploy Webhook (auth required)' has been configured. It shows a URL: <https://coolify.hinfinitys.com/api/v1/deploy?uid=o8sgok84wgwckkgkos4sc8k&force=false>. Below this, there's a 'Manual Git Webhooks' section with fields for GitHub and GitLab, both containing placeholder URLs. A warning message at the bottom right is identical to the one in the previous screenshot.

6. Don't forget to Click Save
7. Open your GitHub, go to your repo Settings , there you can see Webhooks, click on it.
8. Click **Add Webhook**.
9. Paste the **Production Webhook URL**.  
Set trigger to **Push events only**.
10. Give the pwd same as that is given in , and also give content as application/json.



11.

12. Save the webhook.

### Step 3: Configure Webhook for the Staging Environment (stage Branch)

1. Go back to Coolify → open the **Staging** service.
2. Go to **application and then click on confign**.
3. Make sure the branch specified is staging by clicking on git source.
4. Click on webhooks in coolify and there you can see same url as in production, give the same pwd as in production webhook.
5. Save the webhook.

**Note:** No need to configure webhook again in github for this env, since the url is the same. Github will automatically triggers environment based on branch we selected for each environment(**Git Source**).

## **Step 4: Verify Both Webhooks in Your Repo**

1. You should now see **two webhooks** in the repository:
  - o One for **Production** → **main**
  - o One for **Staging** → **stage**
2. Confirm both are **Active**.

## **Step 5: Test Production Deployment (main Branch)**

1. Make a small change in your code.
2. Commit and push to **main**.
3. Coolify should automatically start **production deployment**.
4. Check **Deployment Logs** in the production service.

## **Step 6: Test Staging Deployment (stage Branch)**

1. Make another small change.
2. Commit and push to **stage**.
3. Coolify should start **staging deployment**.
4. Confirm using logs in the staging service.

## **Step 7: Validate the Two Environments**

1. Open the **Production URL** verify the update, by clicking on Domain(<https://hinfinitys.com>) .
2. Open the **Staging URL** verify the update, by clicking on Domain(<https://stage.hinfinitys.com>).