

Guided Practice: Deploy a Forked Website with AWS Amplify (Learner Lab)

Learning goals

By the end of this practice, you will be able to:

- Fork a GitHub repository.
 - Deploy the forked repository with AWS Amplify Hosting.
 - Make a visible change in the code.
 - Verify that AWS Amplify automatically redeploys your site.
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1. Context

In this lab, you will deploy a static website using AWS Amplify and GitHub.

You will work from this original repository:

- <https://github.com/mrey-profe/voco>

You must create your own fork first. Then you will deploy your fork in Amplify.

2. Prerequisites

Before you start, make sure you have:

1. A GitHub account.
 2. An active AWS Learner Lab session.
 3. Access to AWS Amplify in the AWS console.
 4. Basic Git knowledge (commit and push).
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3. Fork the repository

1. Open the original repository in your browser: <https://github.com/mrey-profe/voco>
2. Click **Fork** (top right).
3. Select your GitHub account as destination.
4. Wait until the fork is created.
5. Confirm you are now in your own repo: <https://github.com//voco>
6. For this lab, make sure to keep the forked repository public.

Checkpoint:

- You can see a copy of the repository under your GitHub account.
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4. Deploy your fork in AWS Amplify

1. Open the AWS Console inside Learner Lab.
2. Go to **AWS Amplify**.
3. Click **Deploy an app**.
4. Choose **GitHub** as source.
5. Click **Next**.
6. You need to connect Amplify to your GitHub account. Click **Connect GitHub** or **Update Gitub permissions** and authorize access if needed. If you have previously installed Amplify GitHub app, you may need to click **Configure GitHub** and select the repositories you want Amplify to access. Make sure to select your forked repository (you can access from GitHub settings > Applications > Amplify GitHub app). After connecting, return to Amplify deployment flow and click **Refresh** to see your forked repository in the list.
7. Select the forked repository.
8. Select branch: **master**.
9. Click **Next**. Amplify will detect the framework and settings automatically.
10. In this case we just click **Next** to keep the default settings, no changes are needed for this lab.
11. Click **Save and deploy**.
12. Wait for the deployment to finish.
13. Click on the provided Amplify URL to open your deployed site.

Checkpoint:

- Build status is **Deployed**.
 - You have a public Amplify URL ending in **.amplifyapp.com**.
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5. Make a visible change in your fork

You can edit in GitHub web editor or local editor. Use one method.

Method A: Edit directly in GitHub

1. In your fork, open **index.html**.
2. Click the edit button (pencil).
3. Find the main heading text: Welcome to the Introduction to AWS Workshop
4. Change it to a new text, for example: Welcome to the AWS Learner Lab Workshop
5. Commit directly to **master**.

Method B: Edit locally and push

1. Clone your fork and enter the project folder:

```
git clone https://github.com/<your-username>/voco.git
cd voco
```

2. Edit **index.html** and change the main heading.
 3. Save the file.
 4. Run:
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```
git add index.html
git commit -m "Update workshop heading"
git push origin master
```

Checkpoint:

- Your fork shows a new commit in GitHub.
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6. Verify automatic redeploy in Amplify

1. Return to your Amplify app in AWS Console.
2. Open the **Deployments** view.
3. Confirm a new deployment starts automatically after your commit.
4. Wait until status is **Deployed**.
5. Open the same Amplify URL.
6. Refresh the page and verify your new heading is visible.

Checkpoint:

- You can see at least two deployments:
 - Initial deployment.
 - Deployment triggered by your code change.
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7. Quick troubleshooting

If the change is not visible:

1. Confirm your commit is in your fork and in branch **master**.
 2. Confirm Amplify is connected to the same fork and branch.
 3. Confirm Amplify has permissions to access your GitHub repo (check GitHub settings > Applications > Amplify GitHub app).
 4. Wait 1-2 more minutes and refresh again.
 5. Force refresh your browser (Ctrl+Shift+R).
 6. Check deployment logs for errors.
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8. Cleanup (do it only after finishing all exercises in Learner Lab)

To avoid unnecessary resource usage:

1. Open **AWS Amplify**.
 2. Open your app.
 3. Go to app settings.
 4. Delete the app.
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