



**Placement Empowerment Program**  
***Cloud Computing and DevOps Centre***

***100 Days of DevOps Challenge***

***Day 34 : Git Hook***

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# Git Hook

## Objective :

To merge the feature branch into the master branch, create a **post-update** Git hook to automatically generate and push a new release tag upon every push to the master branch, and then push the changes to the remote repository.

## Steps Performed :

### Step 1: Merge Branches

First, merge the feature branch into the master branch.

- On the command line, run: **git merge feature**

### Step 2: Create the Hook

Next, create a **post-update** hook that will automatically tag releases.

- Navigate to the `.git/hooks` directory.
- Create a file named `post-update`.
- Add the following lines to the file:

```
#!/bin/sh
```

```
TAG_NAME="release-$(date +%Y-%m-%d)"
```

```
git tag -a "$TAG_NAME" -m "Release for $(date +%Y-%m-%d)"
```

```
git push origin "$TAG_NAME"
```

- Make the file executable by running: **chmod +x post-update**

### Step 3: Push Changes

Finally, push your changes to the remote repository. The hook will automatically create and push the new release tag.

- Run the following command: **git push**

