

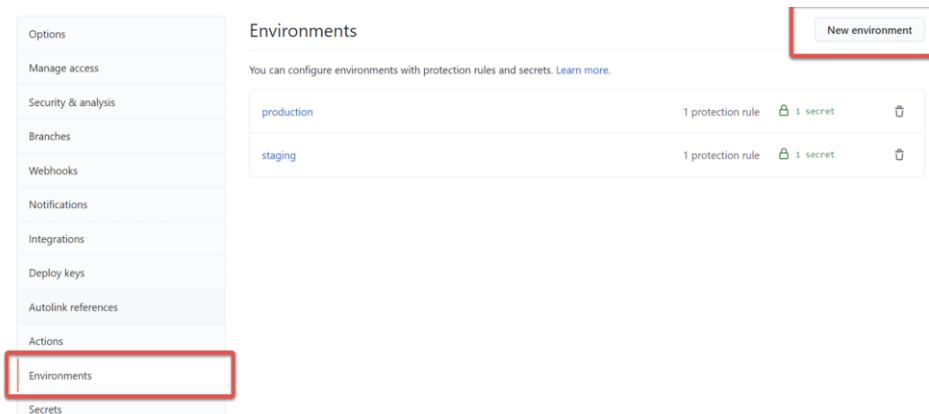
CD Approval Based Deployments

Setting Up Environments:

Environments are used to describe a general deployment target like production, staging, or development. When a GitHub Actions workflow deploys to an environment, the environment is displayed on the main page of the repository. You can use environments to require approval for a job to proceed, restrict which branches can trigger a workflow, or limit access to secrets.

Steps to Create Environments:

- Go to your repository settings and you'll see a new section called Environments in the navigation.



- Under Environment Configuration
 - Set the Environment Protection Rules – Which includes Setting the Reviewers for the environment.
 - Set the Deployment branch.

Environments / Configure production

Environment protection rules
Can be used to configure manual approvals and timeouts.

☒ **Required reviewers**
Specify people or teams that may approve workflow runs when they access this environment.

Add up to 6 more reviewers

Search for people or teams...

☐ **Wait timer**
Set an amount of time to wait before allowing deployments to proceed.

Save protection rules

Deployment branches
Can be used to limit what branches can deploy to this environment using branch name patterns.

Selected branches ▾

1 branch allowed

production

Currently applies to 1 branch

Edit

Remove

⊕ Add deployment branch rule

- Set the Environment variables if any.

Environment secrets
Secrets are encrypted environment variables. They are accessible only by GitHub Actions in the context of this environment.

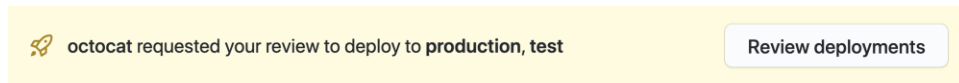
⊕ Add Secret

Reviewing and approving or rejecting deployments:

Jobs that reference an environment configured with required reviewers will wait for an approval before starting. While a job is awaiting approval, it has a status of "Waiting". If a job is not approved within 30 days, the workflow run will be automatically canceled.

Approving or rejecting a job

- Navigate to the workflow run that requires review. For more information about navigating to a workflow run,
- Click **Review deployments**.



- Select the job environment(s) to approve or reject. Optionally, leave a comment.

Review pending deployments

requested by octocat

×

☒ **production**
Review needed from monalisa

☒ **test**
Review needed from monalisa

Leave a comment

LGTM!

Reject

Approve and deploy 2

- Approve or reject:
 - To approve the job, click **Approve and deploy**. Once a job is approved (and any other environment protection rules have passed), the job will proceed. At this point, the job can access any secrets stored in the environment.
 - To reject the job, click **Reject**. If a job is rejected, the workflow will fail.

CD – Deployment to different environments:

With the Environments setup, we can now return to our GitHub Actions workflow to release to different environments.

