

# Container Apps CI/CD Workflow Using GitHub Actions

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## Prerequisites

1. GitHub Account

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Click [GitHub](#) for Container Apps CI/CD Workflow.

## Steps:

1. Create a GitHub repository.
  2. Add your project files and folders to the repository.
  3. Create `.github` folder in project directory.
  4. Inside it, create a `/workflows` folder.
  5. Create `container-apps-ci-cd.yml` file and store it in above-created `.github/workflows` directory.
  6. Define the **name** and following map of **env** variables:
    - ACR\_LOGIN\_SERVER
    - ACR\_NAMESPACE
    - ACR\_REPOSITORY\_NAME
    - ACR\_IMAGE\_TAG
    - RESOURCE\_GROUP\_NAME
    - CONTAINER\_APP\_ENVIRONMENT\_NAME
    - CONTAINER\_APP\_NAME
  7. Define the **on** to set which events can cause the workflow to run.
  8. Define the following **actions** to build & push i.e **Continuous Integration (CI)**:
    - Checkout the repo
      - actions/checkout@v4
    - Login to ACR
      - azure/docker-login@v2
    - Build and push the image
      - docker/build-push-action@v5
  9. Define the following **actions** to deploy the container i.e **Continuous Deployment (CD)**:
    - Azure login
      - azure/login@v2
    - Deploy Container Apps
      - azure/container-apps-deploy-action@v1
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