Container Apps CI/CD Workflow Using GitHub Actions

Prerequisites

1. GitHub Account

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