Concurrency.

Below is the workflow for concurrency. What is concurrency, it is a way to control the number of workflows running at the same time for a specific task.

Purpose of concurrency in GitHub actions

It groups workflow run and limits them so that only one run in the same group can execute at a time.

on:

workflow\_dispatch:

jobs:

ping-with-concurrency:

runs-on: ubuntu-latest

concurrency:

group: ${{ github.workflow }}-${{ github.ref }}

steps:

- uses: actions/checkout@v4

- name: ping URL

id: ping-URL

uses: ./.github/actions/docker-ping-url

with:

url: https://www.invalid-ubudnddndfks.com

max\_trials: 20

delays: 5

the above workflow job has value ping-with-concurrency. This actions allows multiple workflows or jobs to run parallel when they are independent of each other.

jobs:

ping-without-concurrency:

runs-on: ubuntu-latest

concurrency:

group: ${{ github.workflow }}-${{ github.ref }}

steps:

- uses: actions/checkout@v4

- name: ping URL

id: ping-URL

uses: ./.github/actions/docker-ping-url

with:

url: https://www.invalid-ubudnddndfks.com

max\_trials: 20

delays: 5

now the above workflow is the copy of the original workflow, but the major difference is the (ping). Ping-without-concurrency **<……….. this means (Without ping-with-concurrency, only one workflow run for the same branch can execute at a time.**

Now the above workflow is the complete copy of the original workflow, but the major difference is the (ping). Ping-without-concurrency <.. this means (**without ping-with-concurrency, only one workflow run for the same branch can execute at a time**.)

group: ${{ github.workflow }}-${{ github.ref }}

${{ github.workflow }}.

This points towards the workflow which is 19-2-concurrency.yaml

${{ github.ref }}

This points towarss the github repo