

Run, Re-Run, and Cancel Workflow

Steps to be followed:

1. Login to GitHub.com.
2. Create a new workflow file to perform various operations on workflow.

Step 1: Login to GitHub.com

- 1.1 Sign into the GitHub portal at <https://github.com>
- 1.2 Navigate to your repository main page where we are going to create a workflow file.
- 1.3 In case repository is not available fork below mentioned repository in your GitHub account.

<https://github.com/Simplilearn-Edu/SonarQubeNodeJS>

Step 2: Create a new workflow file to perform various operations on workflow.

- 2.1 Once you are on GitHub main repository page, we can get started with creating a new Workflow file.
- 2.2 Create a .github/workflows directory in your repository in case directory does not exists.
- 2.3 In workflow directory, create a new workflow file with name npm-publish.yml.
- 2.4 Add below workflow content in above created file.

name: NodeJS CI workflow

on:

workflow_dispatch:

jobs:

node_build:

strategy:

matrix:

version: [16, 18]

runs-on: ubuntu-latest

steps:

- uses: actions/checkout@v3

- uses: actions/setup-node@v3

with:

- node-version: "\${{ matrix.version }}"

- registry-url: https://registry.npmjs.org/

- name: Cache Node Modules Dependencies

- uses: actions/cache@v3

with:

- path: '**/node_modules'

- key: \${{ runner.os }}-cache

- name: NodeJS Build Process

run: |

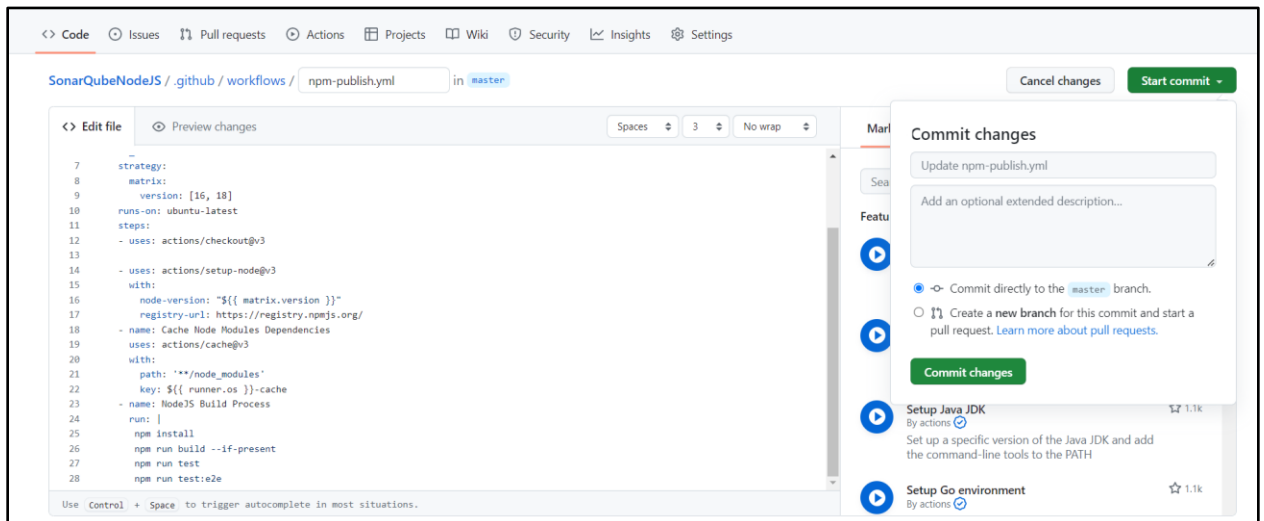
- npm install

- npm run build --if-present

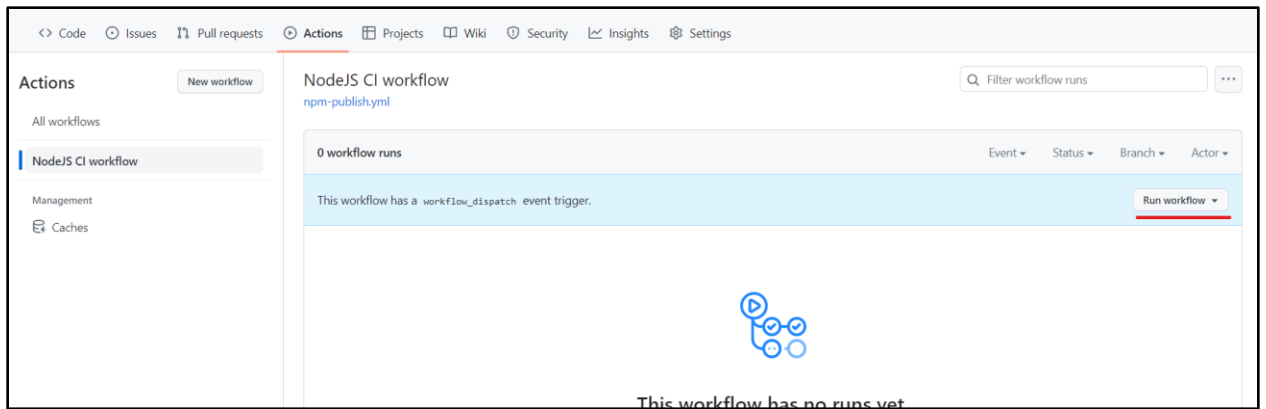
- npm run test

- npm run test:e2e

2.5 Once file is created, click on **Commit new file** to save workflow file in your code repository.

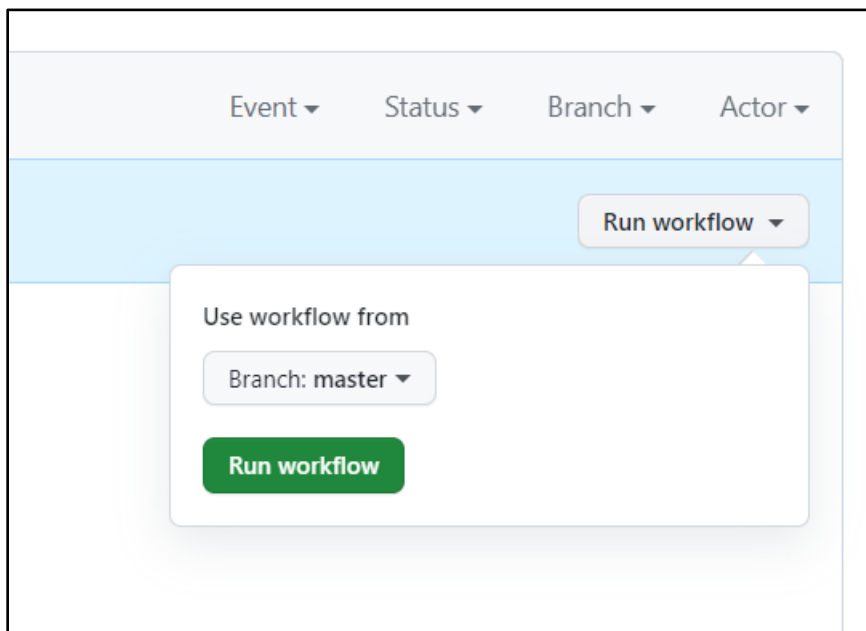


2.6 Next navigate to Actions tab on your repository to access workflow execution page as below:

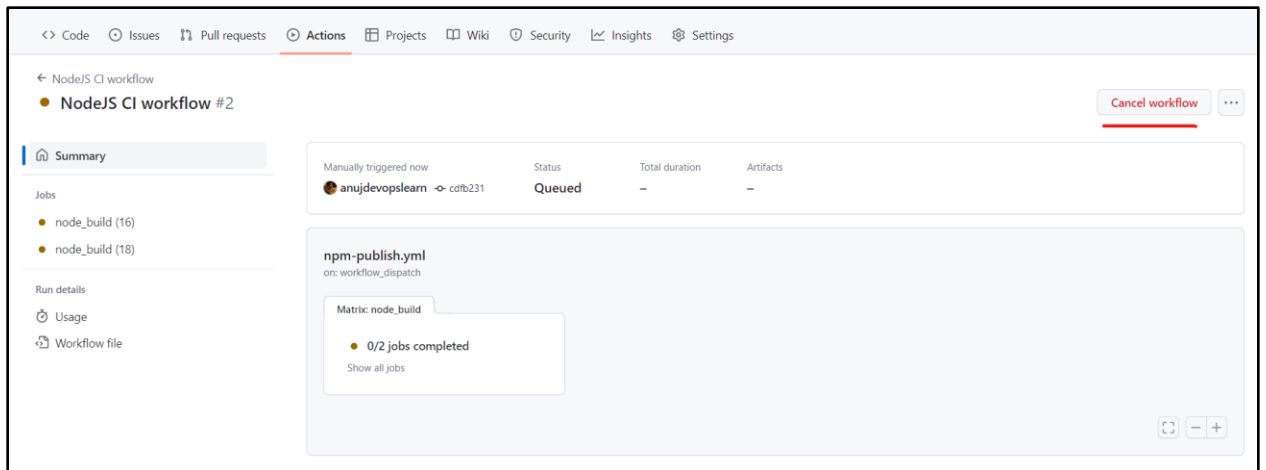


2.7 From left sidebar you can select workflow which you want to execute manually.

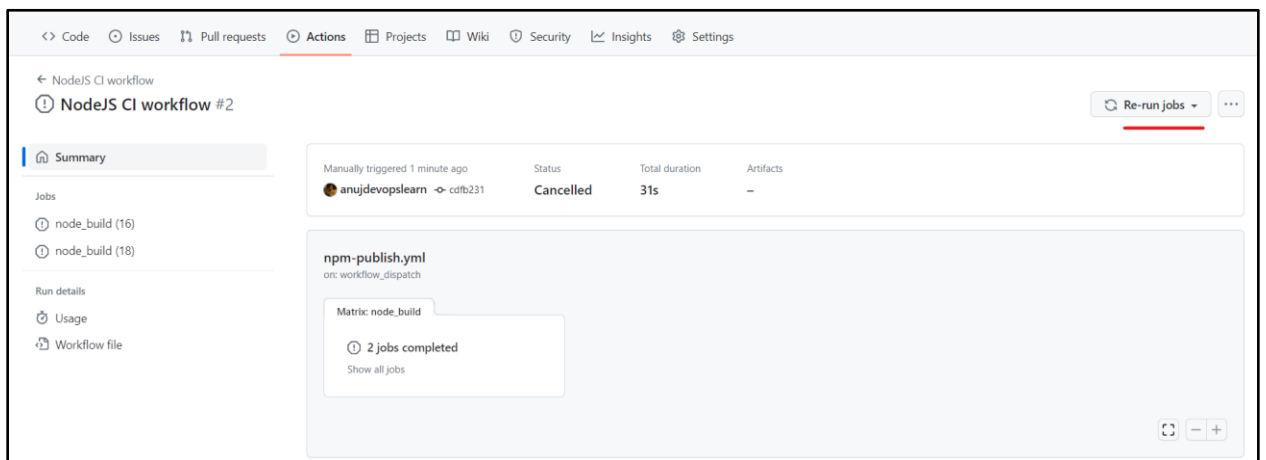
2.8 Next you can execute workflow manually using Run workflow dropdown and choose branch where you wanted to execute workflow as per below screenshot:



2.9 Once workflow is getting executed, you can click on cancel workflow to cancel execution of Workflow.



Below is the screenshot which shows workflow in cancelled status, but we can re-run jobs in case we wanted to continue execution again:



2.10 Click on Re-run jobs dropdown to again start execution or in case workflow is failed we can gets jobs running once again:

2.11 We can again execute workflow both in success and failure status:

