**Lesson 10 Demo 03**

**Creating an Event-Based Workflow**

**Objective:** To create an event-based workflow using the GitHub Actions trigger to automatically initiate continuous integration processes whenever new code is pushed to the repository

**Tools required:** GitHub Actions

**Prerequisites:** None

Steps to be followed:

1. Create a new GitHub repository
2. Create and execute a new workflow file using the GitHub Actions trigger

**Step 1: Create a new GitHub repository**

1. Open the browser in your lab, go to **github.com**, and log in to your account

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**Note**: If you do not have a GitHub account, visit the official website at <https://github.com/signup> and create a new account

1. Click on the **+** icon from the upper-right corner of the page and select **New repository** from the drop-down menu

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1. Enter the name and description of the GitHub repository

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1. Choose **Public** for the repository type

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1. Select **Add a README** **file** to include a README file for the repository

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1. Click on the **Create repository** button

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The remote GitHub repository is created.

**Step 2: Create and execute a new workflow file using the GitHub Actions trigger**

1. Navigate to the **Actions** tab and click on **set up a workflow yourself** to create a **.github/workflows** directory

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* 1. Create a new workflow file **basic1-workflow.yml** with the below code, and then click on **Commit changes**:

**name: GitHub Actions Demo**

**run-name: Testing out GitHub Actions Event Trigger**

**on:**

**push:**

**branches:**

**- master**

**- 'releases/\*\*'**

**pull\_request:**

**branches:**

**- master**

**- 'releases/\*\*'**

**jobs:**

**Basic-Workflow:**

**runs-on: ubuntu-latest**

**steps:**

**- run: echo " Job is executing as part of Basic workflow"**

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* 1. Add **Commit message** as **Create basic1-workflow.yml** and click on **Commit changes** to save the workflow file in the code repository

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* 1. Navigate to the **Actions** tab, and under **All workflows**,click on the

**Create basic1-workflow.yml** workflow to execute the workflow

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* 1. Click on the **build\_job** to see the output

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The following **build\_job** screen will appear:

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* 1. Expand the **output** located under **build\_job**

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By following these steps, you have successfully created an event-based workflow using the GitHub Actions trigger to automatically initiate continuous integration processes whenever new code is pushed to the repository.