

Gule Workflows

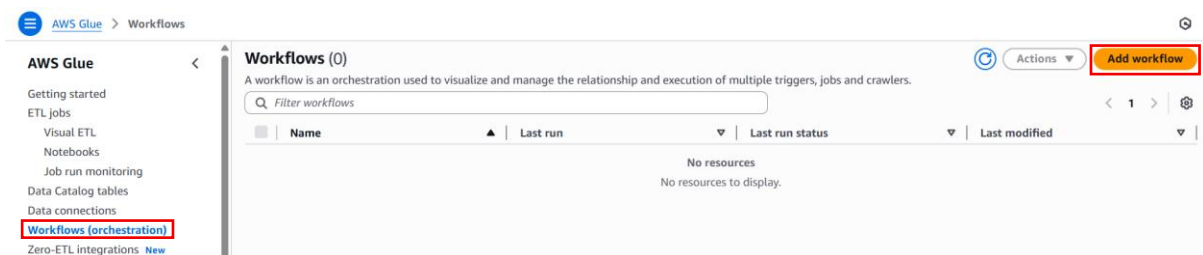
To Begin with the Lab

Summary of the Lab

In this lab, you learn how to create and manage **AWS Glue Workflows** to automate and orchestrate multiple Glue components. You begin by creating a new workflow and adding an **On-demand trigger** as the starting point. Then, you add nodes such as **ETL jobs** and **crawlers**, linking them through event-based triggers to control execution order. Each trigger can be configured to activate after specific job outcomes, like “Job succeeded.” Finally, you can manually run the workflow, monitor execution statuses (Succeeded, Failed, Running), and verify the outputs in S3 or the Glue Data Catalog. This demonstrates seamless job orchestration.

Note: This ensures no scheduled runs or resources continue to execute and incur charges. So we won't run this. This is just demonstration purpose.

- Go to the **AWS Console**.
- Navigate to **AWS Glue** → **Workflows**.
- Click **Add workflow**.



- Enter a **Workflow Name** (e.g., workflow1).

Add a new ETL workflow
Add a workflow in order to orchestrate ETL jobs, triggers, and crawlers.

Workflow details

Workflow name

Workflow1

Names may only contain letters (A-Z), numbers (0-9), hyphens (-), or underscores (_).

Description - optional

250 characters max.

► **Properties - optional**

► **Tags - optional**

Cancel Create workflow

- Click **Create workflow**.
- Every workflow must start with a **trigger**.

- Click **Add trigger** on the canvas.
- In the setup window:
 - Give the trigger a **name** (e.g., trigger1).
 - Choose the **trigger type**:
 - **On demand** – manually start the workflow.
 - **Scheduled** – run automatically at a specific time (daily, weekly, or cron).
 - **Event-based** – triggered after another job/crawler event.
 - For this lab, select **On demand**.
- Click **Add** to create the trigger.

Add trigger

Clone existing | **Add new**

Name
trigger1

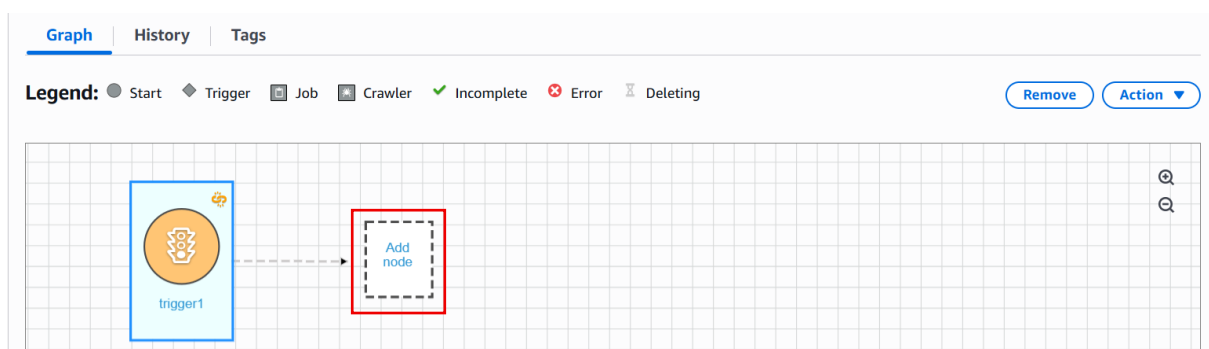
Description (optional)
Type description...

Trigger type

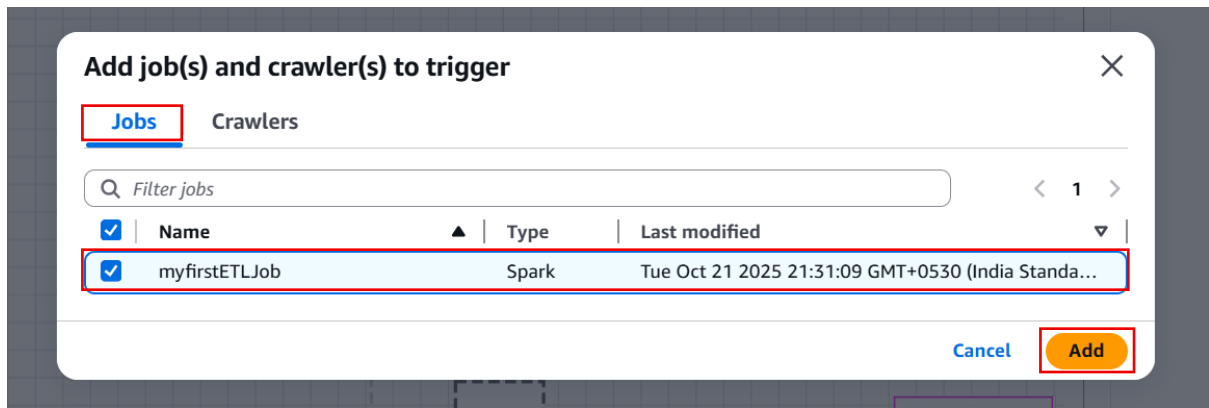
☐ Schedule
☐ Event
☒ **On demand**
☐ EventBridge event

Cancel **Add**

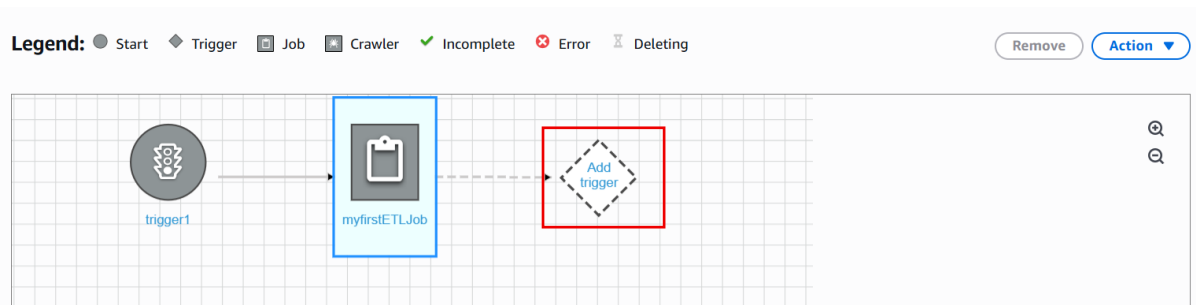
- Now we will select the our ETL Job
- Click on Add node.



- We can select the Job and Crawler both



- To chain another component, select the **job node** you added.



- Click **Add trigger** → **Event trigger**.
- Name the trigger (e.g., trigger2).

Add trigger

Clone existing Add new

Name

trigger2

Description (optional)

Type description...

Trigger type

☐ Schedule

☒ Event

☐ On demand

☐ EventBridge event

Trigger logic

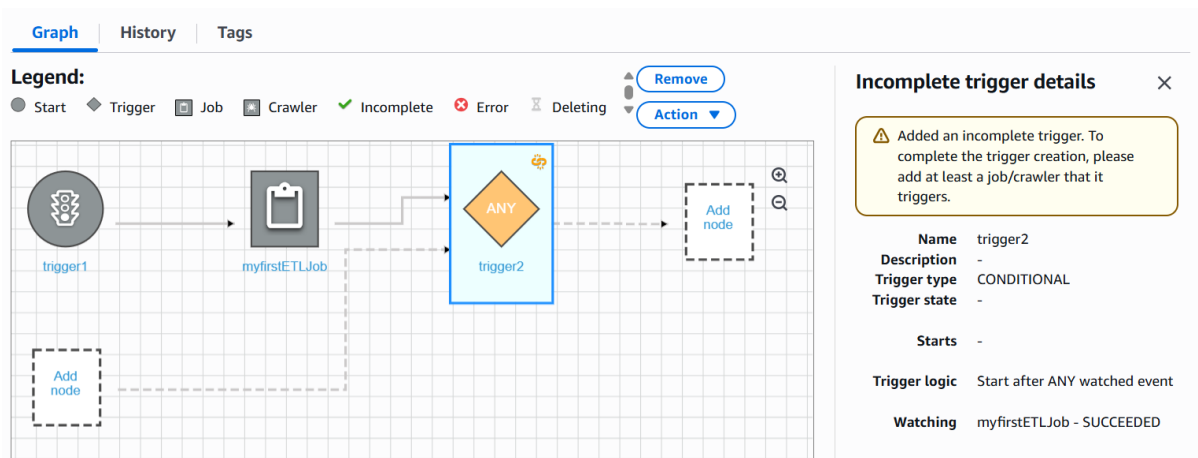
☒ Start after ANY watched event

☐ Start after ALL watched event

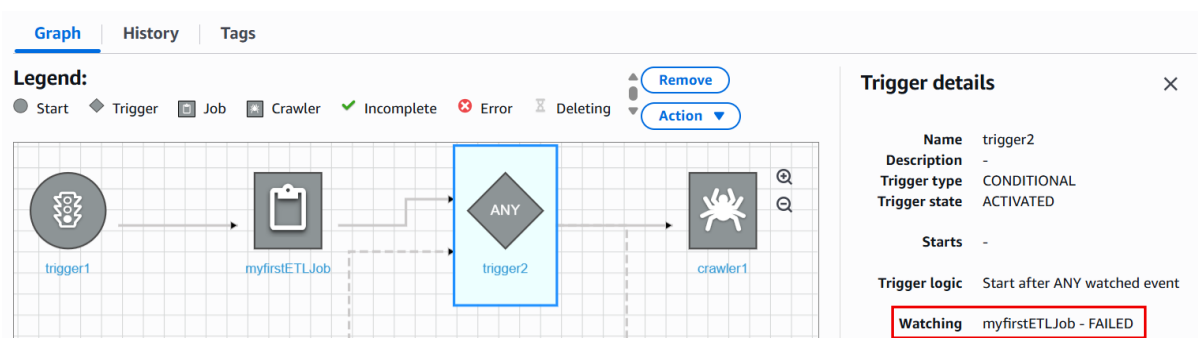
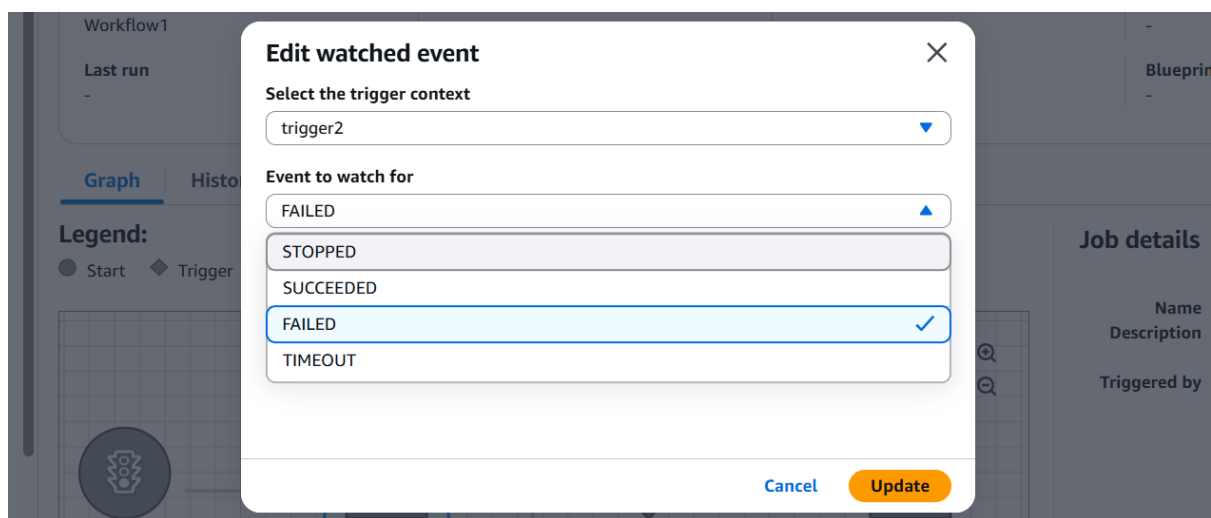
Cancel Add

- Under **Trigger Logic**, choose when it should activate:
 - Start after ANY watched event** (if you have multiple dependencies).
 - Start after ALL watched events**.
- Under **Watched event**, select **Job succeeded** (so it only runs on success).
- Click **Add**.

- Now we will add a crawler.
- Click on Add node.



- Select any **trigger node** to view its configuration.
- You can change:
 - **Watched events** (e.g., trigger on job failed instead of succeeded).
 - **Trigger conditions** (any vs all watched events).
- Save your changes after modifying.



- Click **Run workflow** (if On-demand trigger is selected).
- Monitor the **workflow runs** in the **Runs** tab.

- You'll see each job and crawler's execution status (Succeeded, Failed, or Running).
- Once complete, check your **S3 output** or **Glue Data Catalog** for updated results.

Workflow1

Last updated (UTC)
October 21, 2025 at 17:38:37

Run workflow

Edit

Delete

Workflow details

Advanced properties

Name	Workflow1	Description	-	Max concurrency	-	Last run status	-
Last run	-	Last modified	October 21, 2025 at 17:38:29	Blueprint name	-	Blueprint run Id	-

Graph

History

Tags

Legend:

Start

Trigger

Job

Crawler

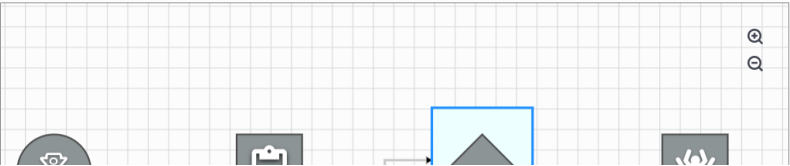
Incomplete

Error

Deleting

Remove

Action



Trigger details

Name

trigger2

Description

-

Trigger type

CONDITIONAL

Trigger state

ACTIVATED

Starts

-

Trigger logic

Start after ANY watched event