Second Deployment pipeline script with a Build, Test, and Deployment stage

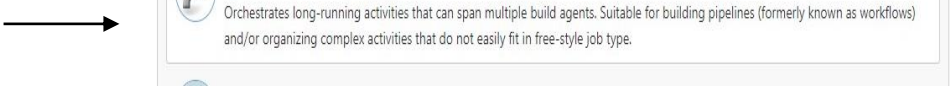Click on New Item ⟶ New Item

Enter Name ⟶

Enter an item name

Deploy_02

» Required field

Click Pipeline ⟶

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Click Ok

Description

Pipeline script with a Build, Test, and Deployment stage

Enter a Description ⟶

Select build periodically

Enter TZ=America/St_Lucia (time zone)

*/10 * * * *   (Cron expression At every 10 minute)

☑ **Build periodically**

Schedule

TZ=America/St_Lucia
H/10 * * * *

Would last have run at Wednes

●Pipeline

 Select Pipeline script from SCM

●SCM

Select GIT

●Repository URL

Enter the URL of git repository

●Credential

Select a Credential using the access token from

GitHub account

●Branch to build

Change master to main

Pipeline

Definition

Pipeline script from SCM

SCM

Git

Repositories

Repository URL

https://github.com/levyandrew16/DEPLOY02_CRON_JOB

Credentials

LASALCC/****** ✔   ●─Add ▾

Branches to build

Branch Specifier (blank for 'any')

*/main

Add Branch

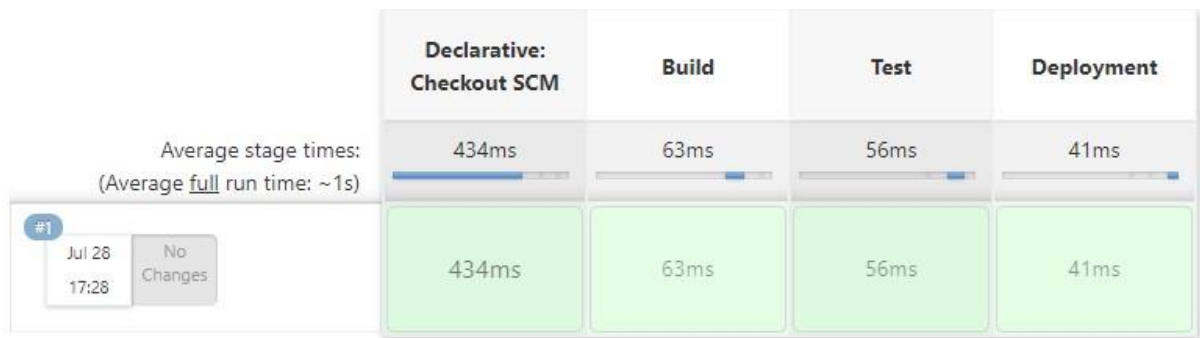Repository browser
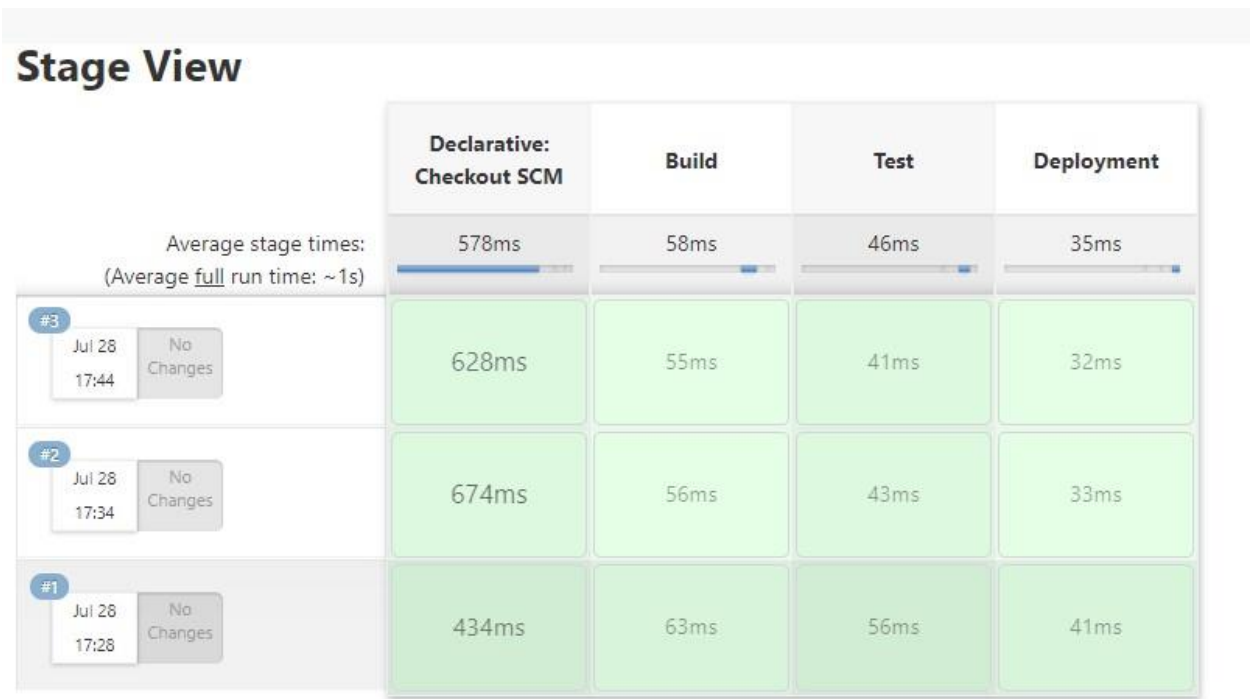
(Auto)

Additional Behaviours

Add ▾

Script Path

Jenkinsfile

Screenshots of the pipeline with a Build, Test, and Deployment stage

First Build

	Declarative: Checkout SCM	Build	Test	Deployment
Average stage times: (Average full run time: ~1s)	434ms	63ms	56ms	41ms
#1 Jul 28 17:28 No Changes	434ms	63ms	56ms	41ms

10 Minutes interval

Stage View

	Declarative: Checkout SCM	Build	Test	Deployment
Average stage times: (Average full run time: ~1s)	578ms	58ms	46ms	35ms
#3 Jul 28 17:44 No Changes	628ms	55ms	41ms	32ms
#2 Jul 28 17:34 No Changes	674ms	56ms	43ms	33ms
#1 Jul 28 17:28 No Changes	434ms	63ms	56ms	41ms

✓ Build #3 (Jul 28, 2021 9:44:00 PM)

Started by timer

git **Revision:** 1a55dff365e72567eca3a7ccb268b5a6013ffc08
Repository: https://github.com/levyandrew16/DEPLOY02_CRON_JOB

- refs/remotes/origin/main

✓ Build #2 (Jul 28, 2021 9:34:00 PM)

Started by timer

git **Revision:** 1a55dff365e72567eca3a7ccb268b5a6013ffc08
Repository: https://github.com/levyandrew16/DEPLOY02_CRON_JOB

- refs/remotes/origin/main

Stopping the EC2 using bash script

Please make sure you have right the action "**ec2StopInstances**" in the IAM roles

- $ sudo su – this to get root access

- $ nano /root/ec2instance_stop.sh – creating the stop instance bash script in the root folder

- Add the following lines in the stop script and save and exit using Ctrl+O and Ctrl+ x command.

  #! /bin/bash

  sudo aws ec2 stop-instances --instance-ids i-031d04bbef8602348 --region us-east-2

- Make sure that the instance id is the ID of the EC2 instance and the region is the region of the EC2 instance. This command will shut down the EC2 instance.

- $ chmod **+x** /root/ec2instance_stop.sh – This make the script executable

- $ crontab –e – This is edit cron job in EC2

- press esc.

- press i (for "insert") to begin editing the file.

- paste the cron command in the file.

  0 21 * * * sudo sh /root/ec2instance_stop.sh > /tmp/ec2instance_stop.log

- press esc twice to exit editing mode.

- type :wq to save and exit to quit

- sudo timedatectl set-timezone America/St_Lucia