Code Pipeline Creation from AWS Console:

Choose pipeline settings Info

Pipeline settings

Pipeline name
Enter the pipeline name. You cannot edit the pipeline name after it is created.

test-app-pipeline

No more than 100 characters

Service role

- ● New service role
  Create a service role in your account

- ○ Existing service role
  Choose an existing service role from your account

Role name

AWSCodePipelineServiceRole-us-east-1-test-app-pipeline

Type your service role name

☑ Allow AWS CodePipeline to create a service role so it can be used with this new pipeline

Add source stage Info

Source

Source provider
This is where you stored your input artifacts for your pipeline. Choose the provider and then provide the connection details.

GitHub (Version 2) ▼

ⓘ **New GitHub version 2 (app-based) action**
To add a GitHub version 2 action in CodePipeline, you create a connection, which uses GitHub Apps to access your repository. Use the options below to choose an existing connection or create a new one. Learn more

Connection
Choose an existing connection that you have already configured, or create a new one and then return to this task.

🔍 arn:aws:codestar-connections:ap-south-1:649452086333:connection/81f6b6 ✕   or   **Connect to GitHub**

✅ **Ready to connect**
Your GitHub connection is ready for use.

Repository name
Choose a repository in your GitHub account.

| 🔍 lavanyabotcha/nodejs-express-on-aws-ec2 | ✕ |

<account>/<repository-name>

Branch name
Choose a branch of the repository.

| 🔍 main | ✕ |

Change detection options

☑ Start the pipeline on source code change
Automatically starts your pipeline when a change occurs in the source code. If turned off, your pipeline only runs if you start it manually or on a schedule.

Output artifact format
Choose the output artifact format.

| ⦿ CodePipeline default | ◯ Full clone |
| AWS CodePipeline uses the default zip format for artifacts in the pipeline. Does not include git metadata about the repository. | AWS CodePipeline passes metadata about the repository that allows subsequent actions to do a full git clone. Only supported for AWS CodeBuild actions. |

Add deploy stage Info

ℹ️ **You cannot skip this stage**
Pipelines must have at least two stages. Your second stage must be either a build or deployment stage. Choose a provider for either the build stage or deployment stage.

Deploy

Deploy provider
Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.

AWS CodeDeploy ▼

Region

US East (N. Virginia) ▼

Application name
Choose an application that you have already created in the AWS CodeDeploy console. Or create an application in the AWS CodeDeploy console and then return to this task.

🔍 Sample_App ✕

Deployment group
Choose a deployment group that you have already created in the AWS CodeDeploy console. Or create a deployment group in the AWS CodeDeploy console and then return to this task.

Deploy

Deploy provider
Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.

AWS CodeDeploy ▼

Region

US East (N. Virginia) ▼

Application name
Choose an application that you have already created in the AWS CodeDeploy console. Or create an application in the AWS CodeDeploy console and then return to this task.

🔍 Sample_App ✕

Deployment group
Choose a deployment group that you have already created in the AWS CodeDeploy console. Or create a deployment group in the AWS CodeDeploy console and then return to this task.

🔍 Sample_DepGroup ✕

Cancel   Previous   Next

Review Info

Step 1: Choose pipeline settings

Pipeline settings

Pipeline name
sample-app-pipeline

Artifact location
codepipeline-us-east-1-21989219260

Service role name
arn:aws:iam::649452086333:role/service-role/AWSCodePipelineServiceRole-us-east-1-sample-app-pipeline

Step 2: Add source stage

Source action provider

Source action provider
GitHub (Version 2)

OutputArtifactFormat
CODE_ZIP

ConnectionArn
arn:aws:codestar-connections:ap-south-1:649452086333:connection/81f6b695-ae96-45bc-8d5f-102a12c081da

FullRepositoryId
lavanyabotcha/nodejs-express-on-aws-ec2

BranchName
main

Step 3: Add build stage

Build action provider

Build stage
No build

Step 4: Add deploy stage

Deploy action provider

Deploy action provider
AWS CodeDeploy

ApplicationName
Sample_App

DeploymentGroupName
Sample_DepGroup

Pipelines Info   [↻]   △ Notify ▼   View history   Release change   Delete pipeline   **Create pipeline**

[🔍   ]   ‹ 1 ›   ⚙

	Name	Most recent execution	Latest source revisions	Last executed
○	test-app-pipeline	⊘ Succeeded	**Source** – d9282462 ↗: Update app.js	3 minutes ago

test-app-pipeline

Notify ▼　Edit　Stop execution　Clone pipeline　**Release change**

⊘ **Source**　Succeeded
Pipeline execution ID: 1f46a1d0-f938-44f2-9282-3a41e9928b61

Source　ⓘ
GitHub (Version 2) ⧉
⊘ Succeeded
- 11 minutes ago
d9282462 ⧉

d9282462 ⧉ Source: Update app.js

Disable transition

⊘ **Deploy**　Succeeded
Pipeline execution ID: 1f46a1d0-f938-44f2-9282-3a41e9928b61

---

sample-app-pipeline

Notify ▼　Edit　Stop execution　Clone pipeline　**Release change**

⊙ **Source**　In progress
Pipeline execution ID: 87b0c331-e0bd-42f9-ba9b-2a6cd5104db8

Source　ⓘ
⊙ In progress - Just now

Disable transition

⊖ **Deploy**　Didn't Run

Deploy　ⓘ
AWS CodeDeploy

Revision details

Revision location
s3://codepipeline-us-east-1-
21989219260/sample-app-
pipeline/SourceArti/XsqsejE?
eTag=40029b48c83933c8f63dbfc2ce4d4213-1

Revision created
Just now

Revision description
Application revision registered by Deployment ID:
d-WKUB7FTSE

Deployment lifecycle events

Instance ID	Duration	Status	Most recent event	Events	Start time	End time
i-09199a71cd377b048 ⬈	-	↻ In progress	-	View events	Dec 13, 2021 5:08 PM (UTC+5:30)	-

arn:aws:ec2:us-east-1:649452086333:instance/i-0fa6aca8b0665687f

Deployment details

Application
Sample_App

Deployment ID
d-GXIEK8VSE

Status
⊘ Succeeded

Deployment configuration
CodeDeployDefault.OneAtATime

Deployment group
Sample_DepGroup

Initiated by
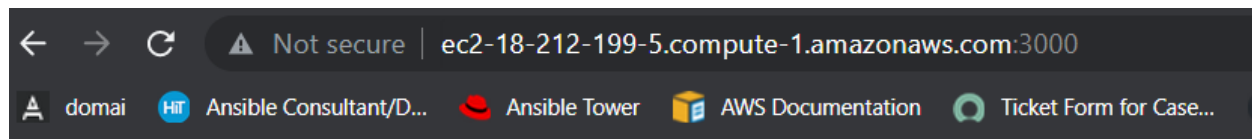User action

Deployment description
-

Revision details

Revision location
s3://codepipeline-us-east-1-21989219260/test-
app-pipeline/SourceArti/ywWEKhH?
eTag=117577247e0fdd615829ff2f7e46b640-1

Revision created
9 minutes ago

Revision description
Application revision registered by Deployment ID:
d-EP84LWUSE

Revision location	Revision created	Revision description
s3://codepipeline-us-east-1-21989219260/test-app-pipeline/SourceArti/ywWEKhH?eTag=117577247e0fdd615829ff2f7e46b640-1	8 minutes ago	Application revision registered by Deployment ID: d-EP84LWUSE

Event	Duration	Status	Error code	Start time	End time
ApplicationStop	less than one second	⊘ Succeeded	-	Dec 13, 2021 6:08 PM (UTC+5:30)	Dec 13, 2021 6:08 PM (UTC+5:30)
DownloadBundle	less than one second	⊘ Succeeded	-	Dec 13, 2021 6:08 PM (UTC+5:30)	Dec 13, 2021 6:08 PM (UTC+5:30)
BeforeInstall	5 seconds	⊘ Succeeded	-	Dec 13, 2021 6:08 PM (UTC+5:30)	Dec 13, 2021 6:08 PM (UTC+5:30)
Install	less than one second	⊘ Succeeded	-	Dec 13, 2021 6:08 PM (UTC+5:30)	Dec 13, 2021 6:08 PM (UTC+5:30)
AfterInstall	less than one second	⊘ Succeeded	-	Dec 13, 2021 6:08 PM (UTC+5:30)	Dec 13, 2021 6:08 PM (UTC+5:30)
ApplicationStart	2 seconds	⊘ Succeeded	-	Dec 13, 2021 6:08 PM (UTC+5:30)	Dec 13, 2021 6:08 PM (UTC+5:30)
ValidateService	less than one second	⊘ Succeeded	-	Dec 13, 2021 6:08 PM (UTC+5:30)	Dec 13, 2021 6:08 PM (UTC+5:30)

Node Js Application Static Page:

Express Demo App in Node Js Application

Message: Success

Version 1.1