

```
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# ls
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# touch index.js
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# touch package.json
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# touch buildspec.yml
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# touch appspec.yml
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# touch .gitignore
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# mkdir scripts
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# cd scripts/
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline/scripts# touch install.sh
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline/scripts# touch start.sh
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline/scripts#
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline/scripts#
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline/scripts# cd ..
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# tree
.
├── appspec.yml
├── buildspec.yml
├── index.js
└── package.json
└── scripts
    └── install.sh
    └── start.sh

2 directories, 6 files
```

```
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# cat index.js
const http = require('http');

const PORT = 3000;

http.createServer((req, res) => {
    res.writeHead(200, { 'Content-Type': 'text/plain'});
    res.end('Hello from AWS CI/CD Devops Project\n');
}).listen(PORT);

console.log(`Server running on port ${PORT}`);
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# cat package.json
{
    "name": "aws-cicd-nodejs-app",
    "version": "1.0.0",
    "description": "Node.js app deployed using AWs CI/CD",
    "main": "index.js",
    "scripts": {
        "start": "node index.js",
        "test": "echo \"No tests yet\""
    }
}
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# cat .gitignore
node_modules/
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline# cat buildspec.yml
version: 0.2

phases:
  install:
    runtime-versions:
      nodejs: 18
  build:
    commands:
      - echo "Installing dependencies"
      - npm install
      - echo "Running test"
      - npm test
  artifacts:
    files:
      - '**/*'
root@ubuntu-VM:/home/ubuntu/aws-cicd-nodejs-devops-pipeline#
```

eu-west-2.console.aws.amazon.com/codesuite/codebuild/projects/nodejs-build

Search [Alt+S] Ask Amazon Q

Console Home EC2 S3 VPC IAM Support Billing and Cost Manage... IAM Identity Center AWS Global View Systems Manager

Developer Tools > CodeBuild > Build projects > nodejs-build

Developer Tools

**CodeBuild**

- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild
  - Getting started
  - Build projects
  - Build project**
  - Settings
  - Build history
  - Report groups
  - Report history
  - Account metrics
- Related integrations
  - Jenkins ↗
  - GitHub Actions ↗ New

**Project created**  
You have successfully created the following project: nodejs-build

Create a notification rule for this project X



Search

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Europe (London) ▾

Abdullah (8814-9008-8323) ▾

Abdullah

Console Home EC2 S3 VPC IAM Support Billing and Cost Manage... IAM Identity Center AWS Global View Systems Manager

Developer Tools

## CodeDeploy

▶ Source • CodeCommit

▶ Artifacts • CodeArtifact

▶ Build • CodeBuild

▼ Deploy • CodeDeploy

Getting started

Deployments

Applications

### Application

Settings

Deployment configurations

On-premises instances

▶ Pipeline • CodePipeline



Deployment group created

Developer Tools > CodeDeploy > Applications > nodejs-cicd-app > nodejs-deploy-group

## nodejs-deploy-group

Edit

Delete

Create deployment

### Deployment group details

Deployment group name

nodejs-deploy-group

Application name

nodejs-cicd-app

Compute platform

EC2/on-premises

Deployment type

In place

Service role ARN

arn:aws:iam::881490088323:role/CodeDeploy-Service-Role

Deployment configuration

CodeDeployDefault.OneAtATime

Rollback enabled

False

Agent update scheduler

Learn to schedule update in AWS Systems Manager

### Environment configuration: Amazon EC2 instances

AWS CloudWatch Metrics

Search [Alt+S] [?]

Europe (London) Abdullah

Developer Tools > CodeBuild > Build history

Build history

Build run Status Project Build number Source version Submitter Duration Completed

Build run	Status	Project	Build number	Source version	Submitter	Duration	Completed
nodejs-build:b128c8df-9d7c-4070-b2e9-8033be19a207	Succeeded	nodejs-build	6	arn:aws:s3:::codepipeline-eu-west-2-6174adda44f6-4222-8c9e-16b9bd62c0ca/nodejs-ci-cd-pipeline/BuildArtif/eFvDHOB	codepipeline/nodejs-ci-cd-pipeline	19 seconds	33 minutes ago
nodejs-build:1923164a-d61f-4079-86c0-50dd41becbc0	Succeeded	nodejs-build	5	arn:aws:s3:::codepipeline-eu-west-2-6174adda44f6-4222-8c9e-16b9bd62c0ca/nodejs-ci-cd-pipeline/SourceArti/TVRwpRz.zip	codepipeline/nodejs-ci-cd-pipeline	18 seconds	34 minutes ago
nodejs-build:c1ff5bdd-d11d-43bd-b530-bcf9de27c78a	Succeeded	nodejs-build	4	e434f6124be3a6ecbb856a9dfa917459840eaee6	GitHub-Hookshot/9082f66	20 seconds	57 minutes ago
nodejs-build:083b3cd1-87e8-45cf-a157-dd07b8a52503	Succeeded	nodejs-build	3	-	root	20 seconds	1 hour ago

eu-west-2.console.aws.amazon.com/codesuite/codepipeline/pipelines/nodejs-ci-cd-pipeline/view?region=eu-west-2

aws Search [Alt+S] Europe (London) Abdullah

Console Home EC2 S3 VPC IAM Support Billing and Cost Manage... IAM Identity Center AWS Global View Systems Manager

Developer Tools > CodePipeline > Pipelines > nodejs-ci-cd-pipeline

Success Congratulations! The pipeline nodejs-ci-cd-pipeline has been created.

## nodejs-ci-cd-pipeline

Edit Stop execution Create trigger Clone pipeline Release change

Pipeline Executions Triggers Settings Tags Stage

Source Build Test Deploy

Horizontal Vertical

Source GitHub (via OAuth app) just now

Build AWS CodeBuild Didn't Run

Test AWS CodeBuild Didn't Run

Deploy AWS CodeDeploy Didn't Run

CloudShell Feedback Console Mobile App © 2026, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

```
graph LR; Source[Source: GitHub (via OAuth app)] --> Build[Build: AWS CodeBuild]; Build --> Test[Test: AWS CodeBuild]; Test --> Deploy[Deploy: AWS CodeDeploy]
```

AWS Search [Alt+S] Europe (London) Abdallah (8814-0000-0000)

Console Home EC2 S3 VPC IAM Support Billing and Cost Management IAM Identity Center AWS Global View Systems Manager

CloudWatch Log management /aws/codebuild/nodejs-build Actions View in Logs Insights Start tailing Search log group

**CloudWatch**

Favorites and recent

Ingestion Dashboards

Alarms

Application Signals (APM)

Infrastructure Monitoring

Logs

Log Management New

Log Anomalies

Live Tail

Logs Insights

Contributor Insights

Metrics New

Network Monitoring

Setup

**/aws/codebuild/nodejs-build**

**Log group details**

Log class: Standard ARN: arn:aws:logs:eu-west-2:881490088323:log-group:/aws/codebuild/nodejs-build:\*

Creation time: 1 hour ago

Retention: Never expire

Stored bytes: -

Metric filters: 0

Subscription filters: 0

Contributor Insights rules: -

KMS key ID: -

Deletion protection: Off

Data protection

Sensitive data count: -

Custom field indexes: Configure

Transformer: Configure

Anomaly detection: Configure

**Log streams** (6)

By default, we only load the most recent log streams.

Filter log streams or try prefix search  Exact match Show expired Info

Log stream	Last event time
b128c8df-9d7c-4070-b2e8-8053be19a207	2026-01-31 17:25:49 (UTC)
1923164a-d61f-4079-86c0-50dd41becbc0	2026-01-31 17:25:16 (UTC)
c1ff5bdd-d11d-43bd-b530-bcf9de27c78a	2026-01-31 17:02:06 (UTC)
083b3cd1-87e8-45cf-a157-dd07b8a52503	2026-01-31 16:41:14 (UTC)
bfac2b24-dcc4-423f-9984-7174fd9cc2e4	2026-01-31 16:35:36 (UTC)
64455ee5-8a54-4e51-a55c-dd3804482e3f	2026-01-31 16:31:44 (UTC)

## nodejs-ci-cd-pipeliner/

### Objects

### Properties

#### Objects (2)

[Copy S3 URI](#)[Copy URL](#)[Download](#)[Open](#)[Delete](#)[Actions](#) ▾[Create folder](#)[Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

 Find objects by prefix< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class	▼
<input type="checkbox"/>	<a href="#">BuildArtif/</a>	Folder	-	-	-	-
<input type="checkbox"/>	<a href="#">SourceArtif/</a>	Folder	-	-	-	-

### Amazon S3

#### Buckets

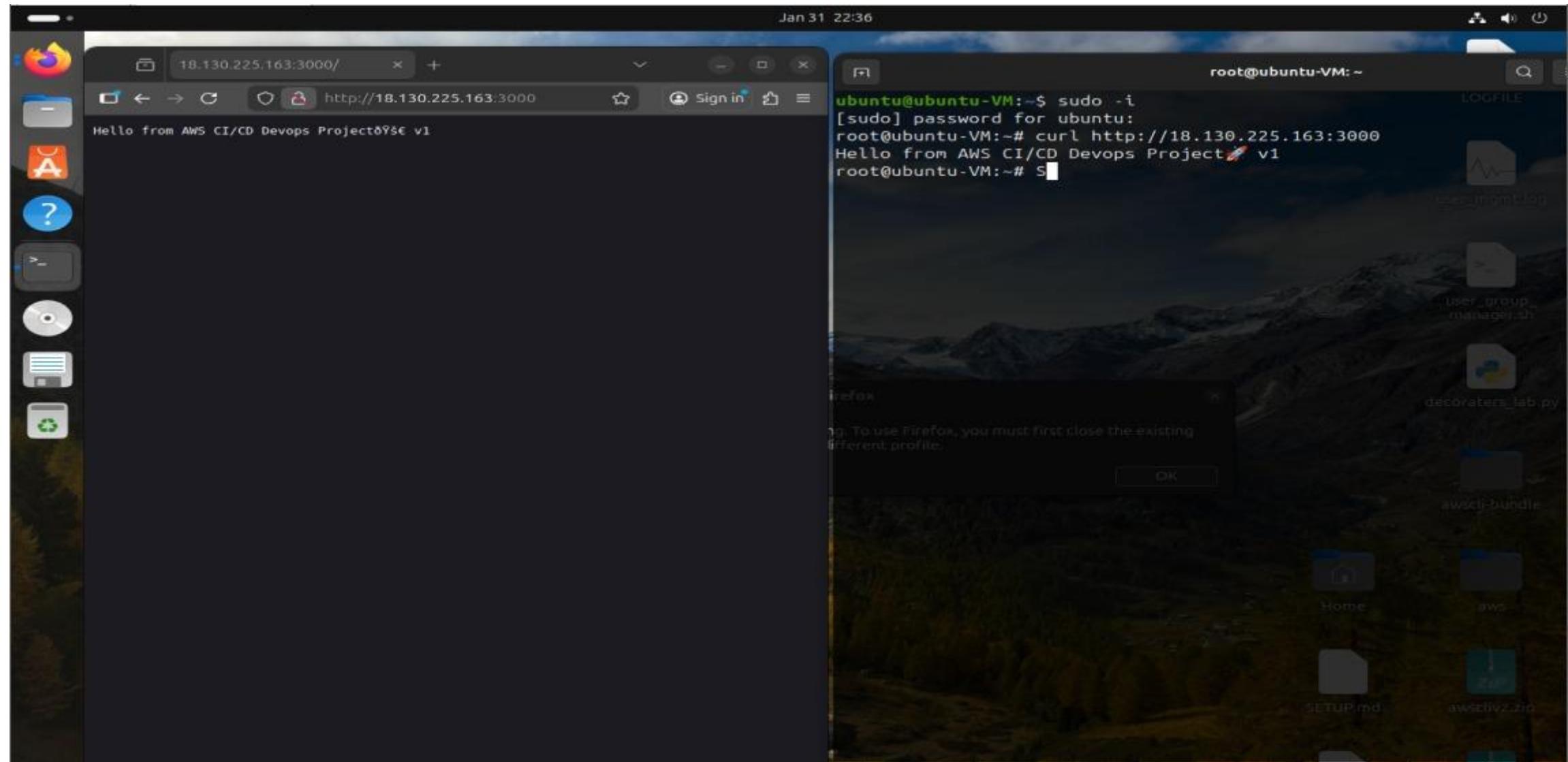
[General purpose buckets](#)[Directory buckets](#)[Table buckets](#)[Vector buckets](#)

#### Access management and security

[Access Points](#)[Access Points for FSx](#)[Access Grants](#)[IAM Access Analyzer](#)

#### Storage management and insights

[Storage Lens](#)[Batch Operations](#)[Account and organization settings](#)[AWS Marketplace for S3](#)



Developer Tools > CodeBuild > Build projects > nodejs-build > nodejs-build:083b3cd1-87e8-45cf-a157-dd07b8a52503

No previous logs

```
1 [Container] 2025/01/31 16:40:59.137695 Running on CodeBuild On-demand
2 [Container] 2025/01/31 16:40:59.117618 Waiting for agent ping
3 [Container] 2025/01/31 16:40:59.528663 Waiting for DOWNLOAD_SOURCE
4 [Container] 2025/01/31 16:41:02.877989 Phase is DOWNLOAD_SOURCE
5 [Container] 2025/01/31 16:41:02.879558 CODEBUILD_SRC_DIR=/codebuild/output/src1586174927/src/github.com/AbdullahAllops9-glt/aws-cicd-nodejs-devops-pipeline
6 [Container] 2025/01/31 16:41:02.886512 YAML location is /codebuild/output/src1586174927/src/github.com/AbdullahAllops9-glt/aws-cicd-nodejs-devops-pipeline/buildspec.yml
7 [Container] 2025/01/31 16:41:02.886780 No commands found for phase name: install
8 [Container] 2025/01/31 16:41:02.882889 Setting HTTP client timeout to higher timeout for GitHub and GitHub Enterprise sources
9 [Container] 2025/01/31 16:41:02.882904 Processing environment variables
10 [Container] 2025/01/31 16:41:02.426755 Selecting "nodejs" runtime version '18' based on manual selection...
11 [Container] 2025/01/31 16:41:04.388471 Moving to directory /codebuild/output/src1586174927/src/github.com/AbdullahAllops9-glt/aws-cicd-nodejs-devops-pipeline
12 [Container] 2025/01/31 16:41:04.388498 Cache is not defined in the buildspec
13 [Container] 2025/01/31 16:41:04.432178 Skip cache due to: no paths specified to be cached
14 [Container] 2025/01/31 16:41:04.432408 Registering with agent
15 [Container] 2025/01/31 16:41:04.575206 Phases found in YAML: 2
16 [Container] 2025/01/31 16:41:04.575223 INSTALL: 8 commands
17 [Container] 2025/01/31 16:41:04.575229 BUILD: 4 commands
18 [Container] 2025/01/31 16:41:04.575676 Phase complete: DOWNLOAD_SOURCE State: SUCCEEDED
19 [Container] 2025/01/31 16:41:04.575722 Phase context status code: Message:
20 [Container] 2025/01/31 16:41:04.581393 Entering phase INSTALL
21 [Container] 2025/01/31 16:41:05.161078 Phase complete: INSTALL State: SUCCEEDED
22 [Container] 2025/01/31 16:41:05.161095 Phase context status code: Message:
23 [Container] 2025/01/31 16:41:05.389235 Entering phase PRE_BUILD
24 [Container] 2025/01/31 16:41:05.214655 Phase complete: PRE_BUILD State: SUCCEEDED
25 [Container] 2025/01/31 16:41:05.214473 Phase context status code: Message:
26 [Container] 2025/01/31 16:41:05.252822 Entering phase BUILD
27 [Container] 2025/01/31 16:41:05.259247 Running command echo "Installing dependencies"
28 Installing dependencies
29
30 [Container] 2025/01/31 16:41:05.267396 Running command npm install
31
32 up to date, audited 1 package in 5s
33
34 found 8 vulnerabilities
35
36 [Container] 2025/01/31 16:41:13.364023 Running command echo "Running test"
37 Running test
38
39 [Container] 2025/01/31 16:41:13.385575 Running command npx test
40
41 > aws-cicd-nodejs-app@1.8.8 test
42 > echo "No tests yet"
43
44 No tests yet
45
46 [Container] 2025/01/31 16:41:13.626236 Phase complete: BUILD State: SUCCEEDED
47 [Container] 2025/01/31 16:41:13.626254 Phase context status code: Message:
48 [Container] 2025/01/31 16:41:13.663894 Entering phase POST_BUILD
49 [Container] 2025/01/31 16:41:13.666542 Phase complete: POST_BUILD State: SUCCEEDED
50 [Container] 2025/01/31 16:41:13.666554 Phase context status code: Message:
51 [Container] 2025/01/31 16:41:13.859533 Set report auto-discover timeout to 5 seconds
52 [Container] 2025/01/31 16:41:13.859577 Expanding base directory path: .
53 [Container] 2025/01/31 16:41:13.863297 Assembling file list
54 [Container] 2025/01/31 16:41:13.863311 Expanding .
55 [Container] 2025/01/31 16:41:13.866875 Expanding file paths for base directory .
56 [Container] 2025/01/31 16:41:13.866890 Assembling file list
57 [Container] 2025/01/31 16:41:13.866937 Expanding */
58 [Container] 2025/01/31 16:41:13.878026 No matching auto-discover report paths found
59 [Container] 2025/01/31 16:41:13.879845 Report auto-discover file discovery took 8.011413 seconds
60 [Container] 2025/01/31 16:41:13.879856 Phase complete: UPLOAD_ARTIFACTS State: SUCCEEDED
61 [Container] 2025/01/31 16:41:13.879862 Phase context status code: Message:
62
```

## Developer Tools

## CodeBuild

▶ Source • CodeCommit

▶ Artifacts • CodeArtifact

▼ Build • CodeBuild

Getting started

Build projects

## Build project

Settings

Build history

Report groups

Report history

Account metrics

▼ Related integrations

Jenkins ↗

GitHub Actions ↗ New

## Build started

You have successfully started the following build: nodejs-build:083b3cd1-87e8-45cf-a157-dd07b8a52503

## nodejs-build:083b3cd1-87e8-45cf-a157-dd07b8a52503

[Stop build](#)[Debug build](#)[Retry build](#)

## Build status

## Status

Succeeded

## Initiator

root

## Build ARN

 arn:aws:codebuild:eu-west-2:881490  
088323:build/nodejs-build:083b3cd1-87  
e8-45cf-a157-dd07b8a52503

## Resolved source version

3403ab77d3422fe44d11eb76d2359cdf4  
ee23f4d

## Start time

Jan 31, 2026 9:40 PM (UTC+5:00)

## End time

Jan 31, 2026 9:41 PM (UTC+5:00)

## Build number

3

[Build logs](#)[Phase details](#)[Reports](#)[Environment variables](#)[Build details](#)[Resource utilization](#)Showing the last 61 lines of the build log. [View entire log](#)[Tail logs](#)

No previous logs

The screenshot shows two AWS browser tabs side-by-side:

**Left Tab: Launch templates | EC2 | eu-west-2**

- Header: Abdullah (8814-9008-8323) - Europe (London)
- Actions: Create launch template
- Table:
  - Launch Template ID: lt-050559dbecb7f1919, Name: ci-cd-ec2-template, Default Version: 1
- Details for ci-cd-ec2-template (lt-050559dbecb7f1919):
  - Launch template ID: lt-050559dbecb7f1919
  - Launch template name: ci-cd-ec2-template
  - Default version: 1
  - Owner: arn:aws:iam::881490088323:root
- Navigation: Details, Versions, Template tags
- Footer: Actions, Delete template version

**Right Tab: Instances | EC2 | eu-west-2**

- Header: Abdullah (8814-9008-8323) - Europe (London)
- Actions: Connect, Instance state, Actions
- Table:
  - Instances (1/1): nginx-ec2, i-08cc822e2a36efdba, Running, t2.micro
- Details for i-08cc822e2a36efdba:
  - Instance ID: i-08cc822e2a36efdba
  - Public IPv4 address: 18.130.225.163 | open address
  - Private IPv4 addresses: 172.31.19.209
- Navigation: Details, Status and alarms, Monitoring, Security, Networking