

```
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

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#
```

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 ✕

Developer Tools

CodeDeploy

► Source • CodeCommit

► Artifacts • CodeArtifact

► Build • CodeBuild

▼ Deploy • CodeDeploy

Getting started

Deployments

Applications

Application

Settings

Deployment
configurations

On-premises instances

► Pipeline • CodePipeline

✓ Success
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

<div><div>Q</div><div>< 1 > </div></div>								
<input type="checkbox"/>	Build run	Status	Project	Build number	Source version	Submitter	Duration	Completed
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	nodejs-build:c1ff5bdd-d11d-43bd-b530-bcf9de27c78a	 Succeeded	nodejs-build	4	e434f6124be3a6ecbb856a9dfa917459840eae6	GitHub-Hookshot/9082f66	20 seconds	57 minutes ago
<input type="checkbox"/>	nodejs-build:083b3cd1-87e8-45cf-a157-dd07b8a52503	 Succeeded	nodejs-build	3	-	root	20 seconds	1 hour ago

Release change

Stage



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

nodejs-ci-cd-pipelin/

Copy S3 URI

Objects

Properties

Objects (2)



Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

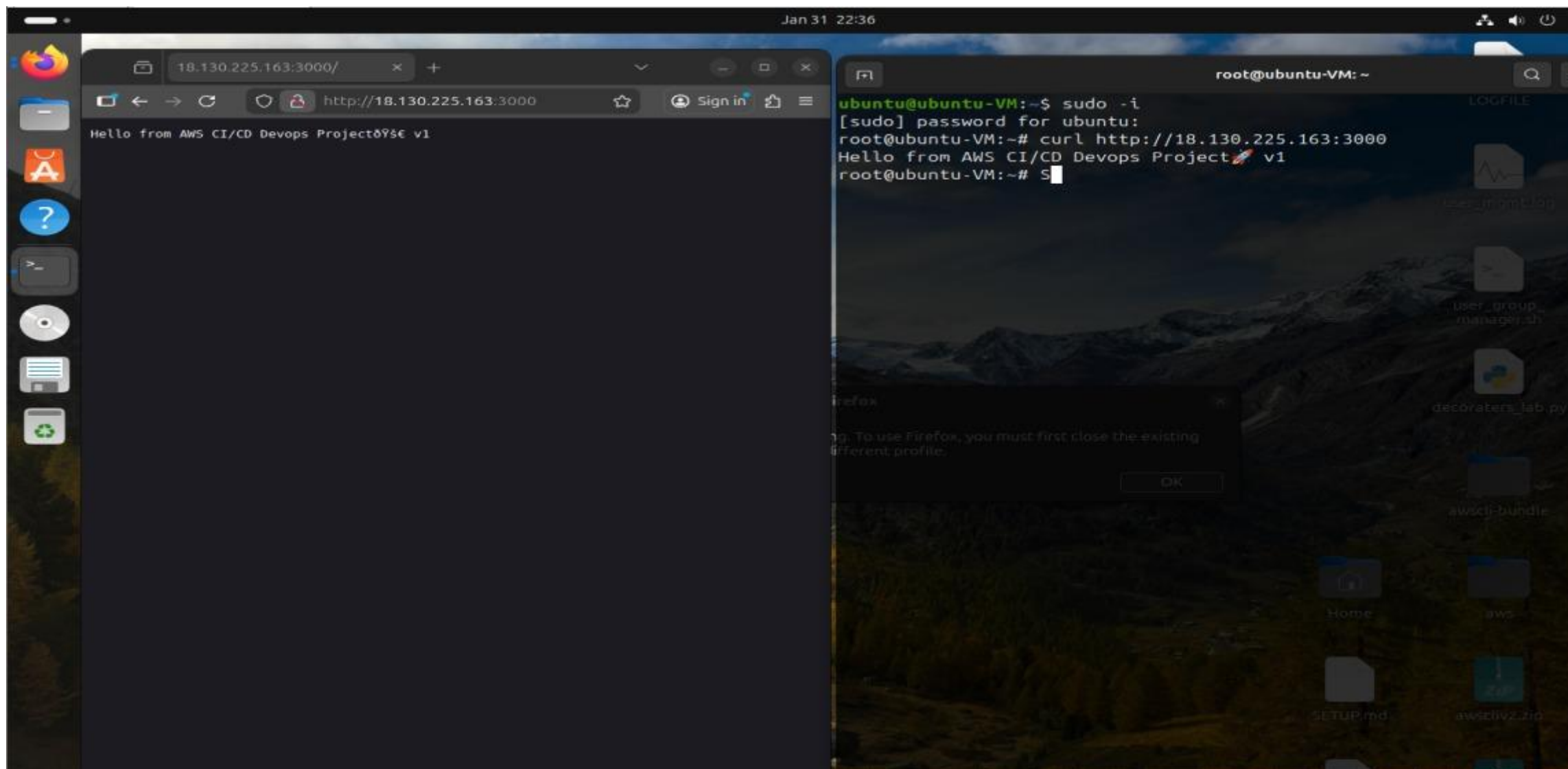
Upload

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"/>	BuildArtif/	Folder	-	-	-
<input type="checkbox"/>	SourceArti/	Folder	-	-	-



Developer Tools

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Getting started

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▼ Related integrations

Jenkins 

GitHub Actions  [New](#)

GitLab runners  [New](#)

► Deploy • CodeDeploy

► Pipeline • CodePipeline

► Settings

🔍 Go to resource

🗉 Feedback

No previous logs

```
1 [Container] 2025/01/31 16:40:50.117605 Running on CodeBuild On-demand
2 [Container] 2025/01/31 16:40:50.117618 Waiting for agent ping
3 [Container] 2025/01/31 16:40:50.520063 Waiting for DOWNLOAD_SOURCE
4 [Container] 2025/01/31 16:41:02.077980 Phase 1c: DOWNLOAD_SOURCE
5 [Container] 2025/01/31 16:41:02.079958 CODEBUILD_SRC_DIR=/codebuild/output/src1506174927/src/github.com/Abdullahalops9-git/aws-cicd-nodejs-devops-pipeline
6 [Container] 2025/01/31 16:41:02.080522 YAML location is /codebuild/output/src1506174927/src/github.com/Abdullahalops9-git/aws-cicd-nodejs-devops-pipeline/buildspec.yml
7 [Container] 2025/01/31 16:41:02.080700 No commands found for phase name: Install
8 [Container] 2025/01/31 16:41:02.082000 Setting HTTP client timeout to higher timeout for Github and Github Enterprise sources
9 [Container] 2025/01/31 16:41:02.082004 Processing environment variables
10 [Container] 2025/01/31 16:41:02.420705 Selecting 'nodejs' runtime version '18' based on manual selections...
11 [Container] 2025/01/31 16:41:04.300471 Moving to directory /codebuild/output/src1506174927/src/github.com/Abdullahalops9-git/aws-cicd-nodejs-devops-pipeline
12 [Container] 2025/01/31 16:41:04.300498 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 16:41:04.433498 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: 0 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 16:41:04.093303 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 16:41:05.200235 Entering phase PRE_BUILD
24 [Container] 2025/01/31 16:41:05.214455 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 16:41:05.250202 Entering phase BUILD
27 [Container] 2025/01/31 16:41:05.250247 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 0 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 npm test
40
41 > aws-cicd-nodejs-app@1.0.0 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 16:41:13.063006 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 16:41:13.850633 Set report auto-discover timeout to 5 seconds
52 [Container] 2025/01/31 16:41:13.850777 Expanding base directory path: .
53 [Container] 2025/01/31 16:41:13.863207 Assembling file list
54 [Container] 2025/01/31 16:41:13.863211 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 16:41:13.866927 Expanding **/*
58 [Container] 2025/01/31 16:41:13.870026 No matching auto-discover report paths found
59 [Container] 2025/01/31 16:41:13.870045 Report auto-discover file discovery took 0.011413 seconds
60 [Container] 2025/01/31 16:41:13.870056 Phase complete: UPLOAD_ARTIFACTS State: SUCCEEDED
61 [Container] 2025/01/31 16:41:13.870062 Phase context status code: Message:
62
```

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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	Initiator	Build ARN	Resolved source version
Succeeded	root	arn:aws:codebuild:eu-west-2:881490088323:build/nodejs-build:083b3cd1-87e8-45cf-a157-dd07b8a52503	3403ab77d3422fe44d11eb76d2359cdf4ee23f4d
Start time	End time	Build number	
Jan 31, 2026 9:40 PM (UTC+5:00)	Jan 31, 2026 9:41 PM (UTC+5:00)	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

Launch templates | EC2 | eu-west-2

eu-west-2.console.aws.amazon.com/ec2...

aws

Europe (London)

Abdullah (8814-9008-8323)

Abdullah

Console HomeEC2S3VPCIAMSupportBilling and Cost ManagementIAM Identity Center

Launch Templates (1/1)

Info

Actions

Create launch template

Search

< 1 >

Launch Template ID

Launch Template Name

Default Version

lt-050559dbecb7f1919

ci-cd-ec2-template

1

ci-cd-ec2-template (lt-050559dbecb7f1919)

Launch template ID

Launch template name

Default version

Owner

lt-050559dbecb7f1919

ci-cd-ec2-template

1

arn:aws:iam::881490088323:root

Details

Versions

Template tags

Launch template version details

Actions

Delete template version

Instances | EC2 | eu-west-2

eu-west-2.console.aws.amazon.com/...

aws

Europe (London)

Abdullah (8814-9008-8323)

Abdullah

Console HomeEC2S3VPCIAMSupportBilling and Cost ManagementIAM Identity Center

EC2 > Instances

Instances (1/1)

Info

Connect

Instance state

Actions

Last updated 4 minutes ago

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

Name

Instance ID

Instance state

Instance type

nginx-ec2

i-08cc822e2a36efdba

Running

t2.micro

i-08cc822e2a36efdba

< Details Status and alarms Monitoring Security Networking >

Instance summary

Info

Instance ID

Public IPv4 address

Private IPv4 addresses

i-08cc822e2a36efdba

18.130.225.163 | open address

172.31.19.209