

Welcome | Elastic Beanstalk

ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/welcome

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aws | Services | Search [Alt+S]

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Compute

# Amazon Elastic Beanstalk

## End-to-end web application management.

Amazon Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and IIS.

### Get started

Easily deploy your web application in minutes.

Create application

### Pricing

There's no additional charge for Elastic Beanstalk. You pay for Amazon Web Services resources that we create to store and run your web application, like Amazon S3 buckets and Amazon EC2 instances.

### Getting started

[Getting started](#)

### Get started

You simply upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, and automatic scaling to web application health monitoring, with ongoing fully managed patch and security updates. [Learn more](#)

### Benefits and features

CloudShell

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Configure environmer x +

ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/create-environment

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Step 1

Configure environment

Step 2

Configure service access

Step 3 - optional

Set up networking, database, and tags

Step 4 - optional

Configure instance traffic and scaling

Step 5 - optional

Configure updates, monitoring, and logging

Step 6

Review

Configure environment Info

Environment tier Info

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

Web server environment

Run a website, web application, or web API that serves HTTP requests. [Learn more](#)

Worker environment

Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. [Learn more](#)

Application information Info

Application name

sample-app

Maximum length of 100 characters.

Application tags (optional)

Environment information Info

Choose the name, subdomain and description for your environment. These cannot be changed later.

Environment name

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Configure environment

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Platform Info

Platform type

☒ Managed platform

Platforms published and maintained by Amazon Elastic Beanstalk. [Learn more](#)

☐ Custom platform

Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform

Node.js

Platform branch

Node.js 18 running on 64bit Amazon Linux 2023

Platform version

6.1.1 (Recommended)

Application code Info

☒ Sample application

☐ Existing version

Application versions that you have uploaded.

☐ Upload your code

Upload a source bundle from your computer or copy one from Amazon S3.

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Environment overview

ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/environment/dashboard?environmentId=e-qm5bpnqe8

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Elastic Beanstalk

Applications

Environments

Change history

Application: sample-app

Application versions

Saved configurations

Environment: Sample-app-env

Go to environment

Configuration

Events

Health

Logs

Monitoring

Alarms

Managed updates

Tags

Elastic Beanstalk is launching your environment. This will take a few minutes.

Elastic Beanstalk > Environments > Sample-app-env

Sample-app-env

Environment overview

Health

Pending

Environment ID

e-qm5bpnqe8

Domain

-

Application name

sample-app

Platform

Change version

Platform

Node.js 18 running on 64bit Amazon Linux 2023/6.1.1

Running version

-

Platform state

Supported

Events

Health

Logs

Monitoring

Alarms

Managed updates

Tags

Events (2)

Filter events by text, property or value

Time Type Details

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Environment overview

Build projects | CodeBuild

ap-south-1.console.aws.amazon.com/codesuite/codebuild/projects?region=ap-south-1&projects-meta=eyJmJjp7InRleHQiOiJlLCJzaGFyZWQIOnZhbHNlIiwicyf6eyJwcm9wZXI0eSt6IkkxBU1RTTU9ESUZJRURIVEINAST...

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aws Services Search [Alt+S]

Developer Tools

CodeBuild

Source » CodeCommit

Artifacts » CodeArtifact

Build » CodeBuild

Getting started

Build projects

Build history

Report groups

Report history

Compute fleets

Account metrics

Deploy » CodeDeploy

Pipeline » CodePipeline

Settings

Go to resource

Feedback

Developer Tools » CodeBuild » Build projects

Build projects Info

Refresh

Alert

Start build

View details

Edit

Delete

Create project

Your projects

< 1 >

Filter

Name	Source provider	Repository	Latest build status	Description	Last Modified
No results					
There are no results to display.					

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Environment overview

Create build project

ap-south-1.console.aws.amazon.com/codesuite/codebuild/project/new?region=ap-south-1

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Project configuration

Project name

sample-app

A project name must be 2 to 255 characters. It can include the letters A-Z and a-z, the numbers 0-9, and the special characters - and \_.

Additional configuration

Description, Build badge, Concurrent build limit, tags

Source

Add source

Source 1 - Primary

Source provider

GitHub

Repository

AWS CodeBuild needs access to your GitHub account to display available repositories.

☒ Connect using OAuth

☐ Connect with a GitHub personal access token

Connect to GitHub

Source version - optional info

CodeBuild | ap-south-1 - Google Chrome

ap-south-1.console.aws.amazon.com/codesuite/codebuild/oauth/github?cod...

awsServicesSearchMore

Processing OAuth request

Choose Confirm to connect CodeBuild to your GitHub account

Cancel

Confirm

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Environment overview

Create build project

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Additional configuration

Description, Build badge, Concurrent build limit, tags

Source

Add source

Source 1 - Primary

Source provider

GitHub

Repository

Repository in my GitHub account

Public repository

GitHub repository

https://github.com/Shricastic7/aws-cd-pipeline.git

https://github.com/<user-name>/<repository-name>

Connection status

You are connected to GitHub using OAuth.

Disconnect from GitHub

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Environment overview

Create build project

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EC2

Optimized for flexibility during action runs

Lambda

Optimized for speed and minimizes the start up time of workflow actions

Operating system

Amazon Linux

Runtime(s)

Standard

Image

aws/codebuild/amazonlinux2-aarch64-standard:3.0

Image version

Always use the latest image for this runtime version

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

codebuild-sample-app-service-role

Type your service role name

Additional configuration

Timeout in minutes, up to 15 minutes. For more information, see [CodeBuild timeouts](#).

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Environment overview xCreate build project x

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Buildspec

Build specifications

☒ Insert build commands

Store build commands as build project configuration

☐ Use a buildspec file

Store build commands in a YAML-formatted buildspec file

Build commands Info

```
1 version: 0.2
2 phases:
3   build:
4     commands:
5       - npm i --save
6 artifacts:
7   files:
8     - '**/*.*'
```

Switch to single line

Batch configuration

You can run a group of builds as a single execution. Batch configuration is also available in advanced option when starting build.

☐ Define batch configuration - optional

You can also define or override batch configuration when starting a build batch.

Artifacts

Add artifact

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Environment overview x sample-app | CodeBu x +

ap-south-1.console.aws.amazon.com/codesuite/codebuild/projects/sample-app?builds-meta=eyJmTjI7InRleHQiOiJFSwicy76e30s7m4QjJwLCJpJjowfQ

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Developer Tools CodeBuild

Source » CodeCommit

Artifacts » CodeArtifact

Build » CodeBuild

Getting started

Build projects

Build project

Settings

Build history

Report groups

Report history

Compute fleets

Account metrics

Deploy » CodeDeploy

Pipeline » CodePipeline

Settings

Go to resource

Feedback

Project created

You have successfully created the following project: sample-app

Create a notification rule for this project

Developer Tools » CodeBuild » Build projects » sample-app

sample-app

Actions Edit Start build with overrides Start build

Configuration

Source provider GitHub	Primary repository Shricastic7/aws-cd-pipeline	Artifacts upload location -	Service role arn:aws:iam::714614573779:role/service-role/codebuild-sample-app-service-role
Public builds Disabled			

Build historyBatch historyProject detailsBuild triggersMetrics

Build history

Stop buildView artifactsView logsDelete buildsRetry build

< 1 > ⌂

	Build run	Status	Build number	Source version	Submitter	Duration	Completed
--	-----------	--------	--------------	----------------	-----------	----------	-----------

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Environment overview

sample-app | CodeBu

Pipelines | CodePipel

ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipelines?region=ap-south-1&pipelines-meta=eyJmJp7TnRleHQiOiIiLWwycyI6eyJwcm9wZXQpZS5lZnVwZGF0ZWQhLjJkaXJy3Rpb24iOi0xLWwibGNTAaT...

Apps edu pen webtools prog trade portal repos certs intern todo Practice | Ge... Interview

aws Services Search [Alt+S]

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Developer Tools

CodePipeline

Source » CodeCommit

Artifacts » CodeArtifact

Build » CodeBuild

Deploy » CodeDeploy

Pipeline » CodePipeline

Getting started

Pipelines

Settings

Go to resource

Feedback

Developer Tools > CodePipeline > Pipelines

Pipelines Info

Refresh

Notify

View history

Release change

Delete pipeline

Create pipeline

Search

< 1 >

Settings

Name	Latest execution status	Latest execution started	Most recent executions
No results			
There are no results to display.			

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Environment overview

sample-app | CodeBu

Create new pipeline

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AppsedupenwebtoolsprogtradeportalreposcertsinterntodoPractice | Ge...Interview

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Step 2

Add source stage

Step 3

Add build stage

Step 4

Add deploy stage

Step 5

Review

Pipeline settings

Pipeline name

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

sample-pipeline

No more than 100 characters

Pipeline type

The pipeline type determines the pipeline structure and availability of parameters such as triggers. Pipeline type selection will impact features and pricing. Which pipeline is right for me?

V1

V2

Execution mode

Choose the execution mode for your pipeline. This determines how the pipeline is run.

Superseded

A more recent execution can overtake an older one. This is the default.

Queued (Pipeline type V2 required)

Executions are processed one by one in the order that they are queued.

Parallel (Pipeline type V2 required)

Executions don't wait for other runs to complete before starting or finishing.

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

Type your service role name

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Environment overview

sample-app | CodeBu

Create new pipeline

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AppsedupenwebtoolsprogtradeportalreposcertsinterntodoPractice | Ge...Interview

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Step 2

Add source stage

Step 3

Add build stage

Step 4

Add deploy stage

Step 5

Review

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 1)

Grant AWS CodePipeline access to your GitHub repository. This allows AWS CodePipeline to upload commits from GitHub to your pipeline.

Connected

You have successfully authenticated your account.

The GitHub (Version 1) action is not recommended

The selected action uses OAuth apps to access your GitHub repository. This is no longer the recommended method. Instead, choose the GitHub (Version 2) action to access your repository by creating a connection. Connections use GitHub Apps to manage authentication and can be shared with other resources. [Learn more](#)

Repository

Shriscatic7/aws-cd-pipeline

Branch

master

Change detection options

Choose a detection mode to automatically start your pipeline when a change occurs in the source code.

GitHub webhooks (recommended)

Use webhooks in GitHub to automatically start my pipeline when a change occurs

AWS CodePipeline

Use AWS CodePipeline to check periodically for changes

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Environment overview

sample-app | CodeBu

Create new pipeline

ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1

AppsedupenwebtoolsprogtradeportalreposcertsinterntodoPractice | Ge...Interview

awsServicesSearch[Alt+S]

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Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1  
Choose pipeline settings

Step 2  
Add source stage

Step 3  
Add build stage

Step 4  
Add deploy stage

Step 5  
Review

Add build stage

Step 3 of 5

Build - optional

Build provider

This is the tool of your build project. Provide build artifact details like operating system, build spec file, and output file names.

AWS CodeBuild

Region

Asia Pacific (Mumbai)

Project name

Choose a build project that you have already created in the AWS CodeBuild console. Or create a build project in the AWS CodeBuild console and then return to this task.

sample-app

or

Create project

Environment variables - optional

Choose the key, value, and type for your CodeBuild environment variables. In the value field, you can reference variables generated by CodePipeline. [Learn more](#)

Add environment variable

Build type

Single build

Triggers a single build.

Batch build

Triggers multiple builds as a single execution.

Cancel

Previous

Skip build stage

Next

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Environment overview x sample-app | CodeBu x Create new pipeline x +

ap-south-1.console.aws.amazon.com/codesuite/codpipeline/pipeline/new?region=ap-south-1

Apps edu pen webtools prog trade portal repos certs intern todo Practice | Ge... Interview

aws Services Search [Alt+5]

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1  
Choose pipeline settings

Step 2  
Add source stage

Step 3  
Add build stage

Step 4  
Add deploy stage

Step 5  
Review

## Add deploy stage info

Step 4 of 5

### Deploy - optional

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

AWS Elastic Beanstalk

**Region**  
Asia Pacific (Mumbai)

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

sample-app

**Environment name**  
Choose an environment that you have already created in the AWS Elastic Beanstalk console. Or create an environment in the AWS Elastic Beanstalk console and then return to this task.

Sample-app-env

Cancel Previous Skip deploy stage Next

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Environment overview

sample-app | CodeBu

sample-pipeline | Cod

ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/sample-pipeline/view?region=ap-south-1

AppsedupenwebtoolsprogtradeportalreposcertsinterntodoPractice | Ge...Interview

All Bookmarks

awsServicesSearch[Alt+5]

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Developer Tools

CodePipeline

Source

CodeCommit

Artifacts

CodeArtifact

Build

CodeBuild

Deploy

CodeDeploy

Pipeline

CodePipeline

Getting started

Pipelines

Pipeline

History

Settings

Settings

Go to resource

Feedback

Success

Congratulations! The pipeline sample-pipeline has been created.

Create a notification rule for this pipeline

Developer Tools

CodePipeline

Pipelines

sample-pipeline

sample-pipeline

Pipeline type: V2 Execution mode: SUPERSEDED

Notify Edit Stop execution Clone pipeline Release change

Source

In progress

Pipeline execution ID: 4467b23e-1681-44df-92eb-89d65a9c671e

Source

GetHub (Version 1) 65

In progress - Just now

View details

Disable transition

Build

Didn't Run

Build

AWS CodeBuild

Didn't Run

No executions yet

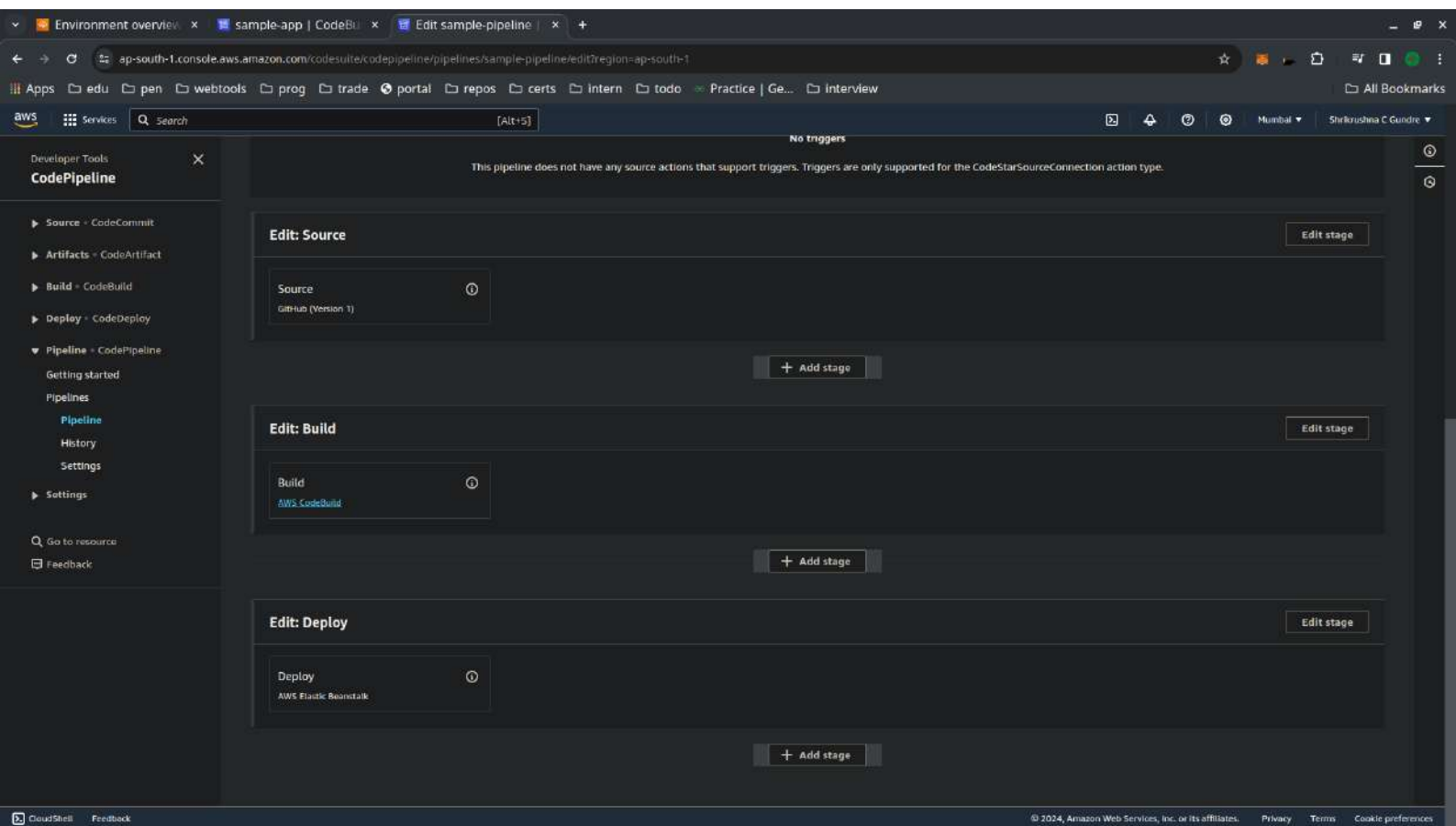
Disable transition

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Environment overview

sample-app | CodeBu

Edit sample-pipeline

ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/sample-pipeline/edit?region=ap-south-1

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All Bookmarks

awsServicesSearch[Alt+5]

Developer Tools

CodePipeline

Source - CodeCommit

Artifacts - CodeArtifact

Build - CodeBuild

Deploy - CodeDeploy

Pipeline - CodePipeline

Getting started

Pipelines

Pipeline

History

Settings

Settings

Go to resource

Feedback

Edit: Build

Edit stage

Build

AWS CodeBuild

+ Add stage

Edit: manual-approval

CancelDeleteDone

+ Add action group

manual-review

Manual approval

+ Add action

+ Add action group

+ Add stage

Edit: Deploy

Edit stage

Deploy

AWS Elastic Beanstalk

+ Add stage

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