

## Step 1: CREATING ROLE

[IAM](#) > [Roles](#) > PRATHAM\_EXP2

### PRATHAM\_EXP2


Allows Elastic Beanstalk to create and manage AWS resources on your behalf.

[Delete](#)

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#### Summary

[Edit](#)

Creation date August 28, 2024, 17:48 (UTC+05:30)	ARN  arn:aws:iam:654654366043:role/KOMAL_EXP2
Last activity -	Maximum session duration 1 hour

[Permissions](#) | [Trust relationships](#) | [Tags](#) | [Access Advisor](#) | [Revoke sessions](#)



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#### Permissions policies (2)

You can attach up to 10 managed policies.

[Refresh](#) [Simulate](#) [Remove](#) [Add permissions](#)

Filter by Type  
 All types < 1 > [Settings](#)

<input type="checkbox"/>	Policy name	Type	Attached entities
<input type="checkbox"/>	 <a href="#">AWSElasticBeanstalkEnhancedHealth</a>	AWS managed	1
<input type="checkbox"/>	 <a href="#">AWSElasticBeanstalkService</a>	AWS managed	1

► **Permissions boundary** (not set)

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▼ **Generate policy based on CloudTrail events**

You can generate a new policy based on the access activity for this role, then customize, create, and attach it to this role. AWS uses your CloudTrail events to identify the

## Step 2: CREATING ENVIRONMENT

🟢 Environment update successfully completed.



[Elastic Beanstalk](#) > [Environments](#) > KomalBeanstalk-env

### PrathamBeanstalk

[Refresh](#) [Actions](#) [Upload and deploy](#)

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#### Environment overview

Health  Pending	Environment ID  e-nzfjjupfar
Domain <a href="#">KomalBeanstalk-env.eba-uys9suwn.ap-south-1.elasticbeanstalk.com</a>	Application name <a href="#">Komal_Beanstalk</a>


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#### Platform

[Change version](#)

Platform  
PHP 8.3 running on 64bit Amazon Linux 2023/4.3.2

Running version  
code-pipeline-1724847940332-2f9a2b526f7dd091d2c97d8679735dcee01cd2bc

Platform state  
 Supported

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[Events](#) | [Health](#) | [Logs](#) | [Monitoring](#) | [Alarms](#) | [Managed updates](#) | [Tags](#)

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#### Events (16)

[Refresh](#)

### Step 3: PIPELINE CREATION

Success

✔

Success

Conratulations! The pipeline Komal\_Pipeline has been created.

Create a notification rule for this pipeline

Developer Tools > CodePipeline > Pipelines > Pratham\_Pipeline

Pratham\_Pipeline

Notify

Edit

Stop execution

Clone pipeline

Release change

Pipeline type: V2 Execution mode: QUEUED

✔ Source Succeeded

Pipeline execution ID: [c4fd4498-c2af-4ede-910c-27647c9721b0](#)

Source

[GitHub \(Version 2\)](#)

✔ Succeeded - 2 minutes ago

[2f9a2b52](#)

View details

[2f9a2b52](#) Source: Update index.html

Disable transition

✔

✔

Disable transition

Start rollback

✔ Deploy Succeeded

Pipeline execution ID: [c4fd4498-c2af-4ede-910c-27647c9721b0](#)

Deploy

[AWS Elastic Beanstalk](#)

✔ Succeeded - 1 minute ago

View details

[2f9a2b52](#) Source: Update index.html

✔

✔

### Step 4: BEFORE UPDATING

# Congratulations!

You have successfully created a pipeline that retrieved this source application from an Amazon S3 bucket and deployed it to three Amazon EC2 instances using AWS CodeDeploy.

For next steps, read the AWS CodePipeline Documentation. Incoedge 2020

## Step 5: AFTER UPDATING

# Congratulations!

You have successfully created a pipeline that retrieved this source application from an Amazon S3 bucket and deployed it to three Amazon EC2 instances using AWS CodeDeploy.

This app was created by Prathamesh Shetty

## Conclusion:

Building and deploying an application using AWS CodeBuild, CodePipeline, and CodeDeploy demonstrates the power of automated CI/CD in the cloud. AWS CodeBuild compiles code, runs tests, and prepares software packages, while CodePipeline automates the release process, ensuring faster and consistent deployments. Deploying to S3 or SEBS enables scalable hosting of static and serverless applications, and CodeDeploy manages the deployment to EC2 instances, ensuring minimal downtime and easy rollback. This streamlined approach enhances development efficiency, reduces errors, and accelerates application delivery, showcasing the benefits of cloud-based automation and infrastructure management.