

Deploy a simple web application using AWS code commit, code build and deploy & access via browser and automate via codepipeline.

AWS CODE COMMIT

Code commit was not working so i used github repository instead of creating code commit repo

AWS CODE BUILD

Integrate github and codebuild using git hub repo name, url, and git hub token

STEP 1

Repository settings

Repository name

team

100 characters maximum. Other limits apply.

Description - *optional*

1,000 characters maximum

Tags

Add tag

► Additional configuration

AWS KMS key

☐ Enable Amazon CodeGuru Reviewer for Java and Python - *optional*

STEP 2 -

[Developer Tools](#) > [CodeBuild](#) > Build projects

Build projects Info

↻

Actions ▼

Create trigger

View details

Start build ▼

Create project

🔍

Your projects ▼

< 1 > ⚙️

| | Name ▼ | Source provider | Repository | Latest build status | Description | Last Modified |
|-----------------------|--------|-----------------|--|---------------------|-------------|----------------|
| <input type="radio"/> | myapp | GitHub | DevOpscastle/My_maven 🔗 | ✔️ Succeeded | - | 10 minutes ago |

STEP 3 - build logs

| Name | Status | Context | Duration | Start time | End time |
|-----------------|--------------|---------|----------|---------------------------------|---------------------------------|
| SUBMITTED | ✔️ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| QUEUED | ✔️ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| PROVISIONING | ✔️ Succeeded | - | 4 secs | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| DOWNLOAD_SOURCE | ✔️ Succeeded | - | 3 secs | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| INSTALL | ✔️ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| PRE_BUILD | ✔️ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| BUILD | ✔️ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| POST_BUILD | ✔️ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |

STEP 4 - Build success

myapp:3e7a5032-8ba2-474c-9f42-23ccbde94d5d

Stop build

Retry build

Build status

Status

✔ Succeeded

Initiator

root

Resolved source version

0473cf6f20cfa43af031c13a94ad2af6c57d9a47

Start time

Nov 18, 2024 9:05 AM (UTC+5:30)

Build number

1

Build ARN

arn:aws:codebuild:us-east-1:123456789012:build-project/337504a2-474c-9f42-23ccbde94d5d

End time

Nov 18, 2024 9:05 AM (UTC+5:30)

| Name | Status | Context | Duration | Start time | End time |
|-----------------|-------------|---------|----------|---------------------------------|---------------------------------|
| SUBMITTED | ✔ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| QUEUED | ✔ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
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| DOWNLOAD_SOURCE | ✔ Succeeded | - | 3 secs | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| INSTALL | ✔ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |
| PRE_BUILD | ✔ Succeeded | - | <1 sec | Nov 18, 2024 9:05 AM (UTC+5:30) | Nov 18, 2024 9:05 AM (UTC+5:30) |

Screenshot copied to clipboard
Automatically saved to screenshots folder.
Mark-up and share

STEP 5 - JAR file

Build history

↻

Stop build

View artifacts

View logs

Delete builds

Retry build

< 1 > ⚙

| <input type="checkbox"/> | Build run | Status | Build number | Source version | Submitter | Duration |
|--------------------------|--|-------------|--------------|----------------|-----------|-----------|
| <input type="checkbox"/> | myapp:3e7a5032-8ba2-474c-9f42-23ccbde94d5d | ✔ Succeeded | 1 | - | root | 9 seconds |

AWS CODE DEPLOY

STEP 1 - deployment

- 1.Launch ec2 instance > install codedeploy-agent > run it
- 2.Connect the instance in our deployment by creating iam role ec2full access, s3 full access
- 3.Create s3 bucket and attach iam role
- 4.Create iam role aws code deploy and attach the role to the deployment group
- 5.Do git init and commit it take the commit id and put in deployment
- 6.Set security group inbound rule http access
- 7.do git init and git clone and git add and git commit then check git log so get commit id

STEP 2 - create app

Applications

Notify

View details

Deploy application

Create application

< 1 >

| | Application name | Compute platform | Created |
|-------------|------------------|------------------|----------------|
| <div></div> | myapp | EC2/On-premises | 54 minutes ago |

STEP 3 - create deploy group

myapp

Notify

Delete application

Application details

Name

myapp

Compute platform

EC2/On-premises

Deployments

Deployment groups

Revisions

Deployment groups

View details

Edit

Create deployment group

< 1 >

| | Name | Status | Last attempte... | Last successfu... | Trigger count |
|-------------|-------|-------------|------------------|-------------------|---------------|
| <div></div> | myapp | In progress | - | - | 0 |

STEP 4 - started deploying status

Deployment retry started

[Developer Tools](#) > [CodeDeploy](#) > [Deployments](#) > d-I0N4ZTOJ9

d-I0N4ZTOJ9

Stop deployment

Stop and roll back deployment

Deployment status

Installing application on your instances

0%

0 of 1 instances updated [In progress](#)

Deployment details

| Application | Deployment ID | Status |
|-------------|---------------|--------|
|-------------|---------------|--------|