

1) IAM Roles

<input type="checkbox"/>	CodeDeployRole	AWS Service: codedeploy	-
<input type="checkbox"/>	EC2CodeDeployRole	AWS Service: ec2	-

2) EC2 Instances

EC2 Dashboard

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Currently creating AMI ami-03254289ee497473d from instance i-0f967d17e89e20b3c. Check that the AMI status is 'Available' before deleting the Instance or carrying out other actions related to this AMI.

Instances (1/4) Info

Last updated less than a minute ago

Connect

Instance state ▼

Actions ▼

Launch instances ▼

Find instance by attribute or tag (case-sensitive)

All states ▼

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability zone
<input type="checkbox"/>	ec2-codedeploy	i-07270c3441a56fe44	Running	t2.micro	...	View alarms	ap-south-1b
<input type="checkbox"/>	ec2-codedeploy	i-003bc71c518e91932	Running	t2.micro	...	View alarms	ap-south-1b
<input type="checkbox"/>	ec2-codedeploy	i-0a34119a10a235b5f	Running	t2.micro	...	View alarms	ap-south-1b
<input checked="" type="checkbox"/>	ec2-codedeploy	i-0f967d17e89e20b3c	Running	t2.micro	Initializing	View alarms	ap-south-1b

i-0f967d17e89e20b3c (ec2-codedeploy)

3) Security Group

Inbound rules Info

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
sgr-0d6723ac85479363d	All ICMP - IPv6	IPv6 ICMP	All	Cust...		Delete
sgr-09c2bdf89353a086b	HTTP	TCP	80	Cust...	0.0.0.0/0	Delete
sgr-0ae648c70540c3702	Custom TCP	TCP	5000	Cust...	0.0.0.0/0	Delete
sgr-0c87531f9dba94ebd	All traffic	All	All	Cust...	0.0.0.0/0	Delete

Add rule

4) Image for AutoScaling Group

[EC2](#) > [Instances](#) > [i-0f967d17e89e20b3c](#) > Create image

Create image Info

An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 Instance. You can create an image from the configuration of an existing instance.


Instance ID
 [i-0f967d17e89e20b3c](#) (ec2-codedeploy)

Image name

Maximum 127 characters. Can't be modified after creation.

Image description - optional

Maximum 255 characters

☒ **Reboot instance**
When selected, Amazon EC2 reboots the instance so that data is at rest when snapshots of the attached volumes are taken. This ensures data consistency.

Instance volumes


Storage	Device	Snapshot	Size	Volume type	IOPS	Through	Delete	Encrypt
---------	--------	----------	------	-------------	------	---------	--------	---------

5) Target Group






[EC2](#) > [Target groups](#) > [code-deploy-tg](#)

code-deploy-tg Actions ▾

Details

 [arn:aws:elasticloadbalancing:ap-south-1:076537038735:targetgroup/code-deploy-tg/0663c361fb3a0209](#)


Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1	VPC vpc-09aa8938858902ff5
IP address type IPv4	Load balancer None associated		


0	 0	 0	 0	 0	 0
Total targets	Healthy	Unhealthy	Unused	Initial	Draining
	0 Anomalous				

[Targets](#) | [Monitoring](#) | [Health checks](#) | [Attributes](#) | [Tags](#)

Registered targets (0) Info

Target groups route requests to individual registered targets using the protocol and port number specified. Health checks are performed on all registered targets according to the target group's health check settings. Anomaly detection is automatically applied to HTTP/HTTPS target groups with at least 3 healthy targets.

[Anomaly mitigation: Not applicable](#)  [Deregister](#) [Register targets](#)

< 1 > 

6) AutoScaling Group

Auto Scaling groups (1)

Search your Auto Scaling groups

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
code-deploy-asg	code-deploy-lt Version Default	2	-	2	2	2	ap-south-1b, ap-south-1a

7) Load Balancer

Load balancers (1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter load balancers

Name	DNS name	State	VPC ID	Availability Zones	Type	Date created
code-deploy-elb	code-deploy-elb-7716274...	Provisioning	vpc-09aa8938858902ff5	2 Availability Zones	application	September 6, 2024, 22:24 (UTC+05:30)

8) Launch Template

9) Deployment Group

Developer Tools

CodeDeploy

Source • CodeCommit

Artifacts • CodeArtifact

Build • CodeBuild

▼ Deploy • CodeDeploy

- Getting started
- Deployments
- Applications
- Application**
- Settings
- Deployment configurations
- On-premises instances

Pipeline • CodePipeline

Settings

Go to resource

Feedback

Success

Deployment group created

Developer Tools > CodeDeploy > Applications > code-deploy-app > code-deploy-dg

code-deploy-dg

EditDeleteCreate deployment

Deployment group details

Deployment group name	code-deploy-dg	Application name	code-deploy-app	Compute platform	EC2/on-premises
Deployment type	In place	Service role ARN	arn:aws:iam::076537038735:role/CodeDeployRole	Deployment configuration	CodeDeployDefault:AllAtOnce
Rollback enabled	False	Agent update scheduler	Learn to schedule update in AWS Systems Manager		

Environment configuration: Amazon EC2 Auto Scaling groups

Name	code-deploy-asg
Termination hook	Disabled

Triggers

Name	Events	Type
No triggers have been created for this deployment group.		

Alarms

Name	No Amazon CloudWatch alarms have been created for this deployment group	
Ignore alarm configuration	Enabled	Continue deployment even if alarm status is unavailable
		Disabled

Deployment group tags

Info

Edit

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to help manage and secure your resources or to help track costs.

< 1 > ⓘ

Key	Value
No results	
There are no results to display.	
Add tag	

Deployment group deployment history

View detailsActionsCopy deploymentRetry deployment

Q

< 1 > ⓘ

Deployment ID	Status	Revision location	Initiating event	Start time	End time
No results					
There are no results to display.					

10) Jenkins Pipeline Configuration

Jenkins

Search (CTRL + Q)

admin

log out

Dashboardcode-deploy-pipeline-1Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

General

enabled

Description

Path to config file

Preview

☐ Discard old builds

☒ GitHub project

☐ This project is parameterised

☐ throttle builds

☐ Execute concurrent builds if necessary

Project url

https://github.com/SeedOps/terraform-code-deploy-pipeline.git

Advanced

Source Code Management

☐ None

☐ AWS CodePipeline

☒ Git

Repositories

Repository URL

https://github.com/SeedOps/terraform-code-deploy-pipeline.git

Credentials

none

+ add

Advanced

Add Repository

Branches to build

Branch Specifier (blank for 'any')

*/main

Add Branch

Repository browser

Auto

Additional Behaviours

Auto

Build Triggers

☐ Trigger builds remotely (e.g., from scripts)

☐ Build after other projects are built

☐ Build periodically

☐ GitHub hook trigger for GITSCM polling

☒ Poll SCM

Schedule

* * * * *

Do you really mean "every minute" when you say "* * * * *"? Perhaps you meant "H * * * * *" to poll once per hour

would last have run at: midday, September 6, 2024 at 13:20:08 PM Coordinated Universal Time; would next run at: midday, September 6, 2024 at 13:20:08 PM Coordinated Universal Time.

☐ Ignore post-commit hooks

Build Environment

☐ Delete workspace before build starts

☐ Use secret text(s) or file(s)

☐ add timestamps to the console output

☐ Inspect build log for unfinished build scans

☐ Terminate a build if it's stuck

☐ With Ant

Build Steps

Add build step

Post-build Actions

Deploy an application to AWS CodeDeploy

AWS CodeDeploy Application Name

code-deploy-app

AWS CodeDeploy Deployment Group

code-deploy-dg

AWS CodeDeploy Deployment Config

AWS Region

AP-SOUTHEAST-1

S3 Bucket

server-tracker

S3 Prefix

code-deploy-folder

Subdirectory

Include Files

**

Exclude Files

Proxy Host

Proxy Port

Version File

☐ Appspec.yml per Deployment Group

☐ Register Revision

☐ Deploy Revision

☒ Use Access/Secret keys

If these keys are left blank, the plugin will attempt to use credentials from the default provider chain. That is Environment Variables, Java System properties, credentials profile file, and finally, EC2 instance profile.

AWS Access Key

AKIADEUFWQSHV427G4LP

AWS Secret Key


☐ Use temporary credentials

Add post-build action

Save

Apply

REST APIJenkins 2.462.2

Jenkins

Search (CTRL+K)

adminlog out

Dashboardscode-deploy-pipeline-1#3Console Output

Status

Changes

Console Output

Edit Build Information

Delete build '#3'

Timings

Git Build Data

Previous Build

Console Output

DownloadCopyView as plain text

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/code-deploy-pipeline-1
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/code-deploy-pipeline-1/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/SaadOps/oriserve-cicd-pipeline.git # timeout=10
Fetching upstream changes from https://github.com/SaadOps/oriserve-cicd-pipeline.git
> git --version # timeout=10
> git --version # 'git version 2.43.0'
> git fetch --tags --force --progress -- https://github.com/SaadOps/oriserve-cicd-pipeline.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 85e71cd48a4b27a8e4bd468c84221615dcfa64f1 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 85e71cd48a4b27a8e4bd468c84221615dcfa64f1 # timeout=10
Commit message: "Push files"
> git rev-list --no-walk 85e71cd48a4b27a8e4bd468c84221615dcfa64f1 # timeout=10
Zipping files into /tmp/#3-9628163775671260580.zip
Uploading zip to s3://oriserver-bucket/code-deploy-folder/#3-9628163775671260580.zip
Registering revision for application 'code-deploy-app'
Creating deployment with revision at {RevisionType: S3,S3Location: {Bucket: oriserver-bucket,Key: code-deploy-
folder/#3-9628163775671260580.zip,BundleType: zip,ETag: b86a9a5aefdb43914e50605b371c395b0},}
Finished: SUCCESS
```

REST APIJenkins 2.462.2

11) CodeDeploy

Developer Tools

CodeDeploy

Source • CodeCommit

Artifacts • CodeArtifact

Build • CodeBuild

Deploy • CodeDeploy

Getting started

Deployments

Applications

Deployment configurations

On-premises instances

Pipeline • CodePipeline

Settings

Q Go to resource

Feedback

Developer Tools > CodeDeploy > Applications

Applications

Notify

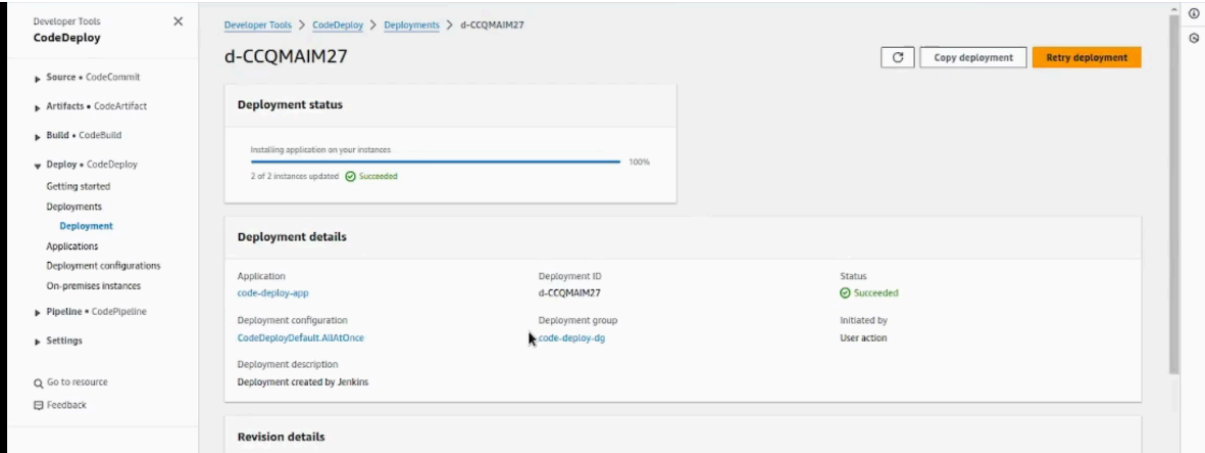
View details

Deploy application

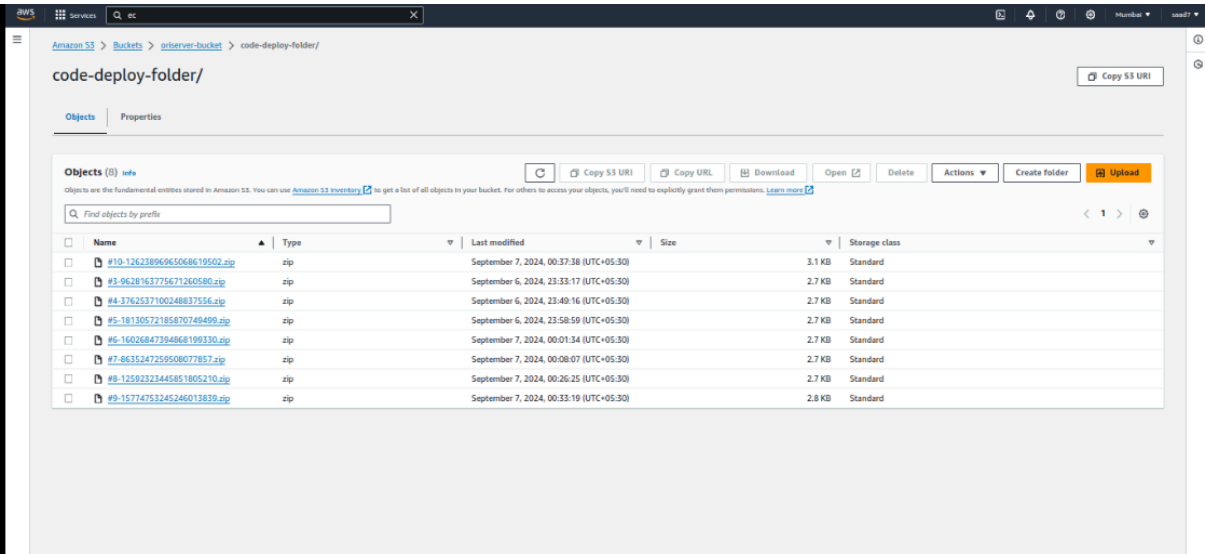
Create application

Q

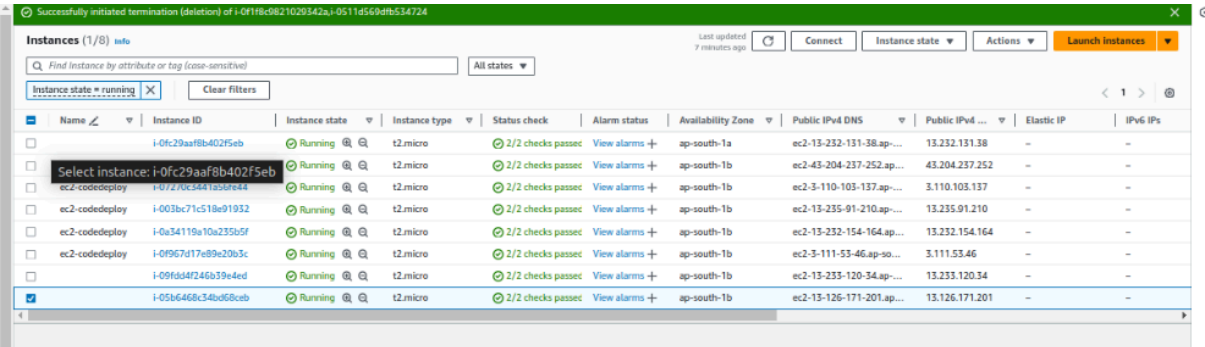
Application name	Compute platform	Created
<input type="radio"/> code-deploy-app	EC2/on-premises	2 hours ago



S3 Bucket



All Instances



Output:



