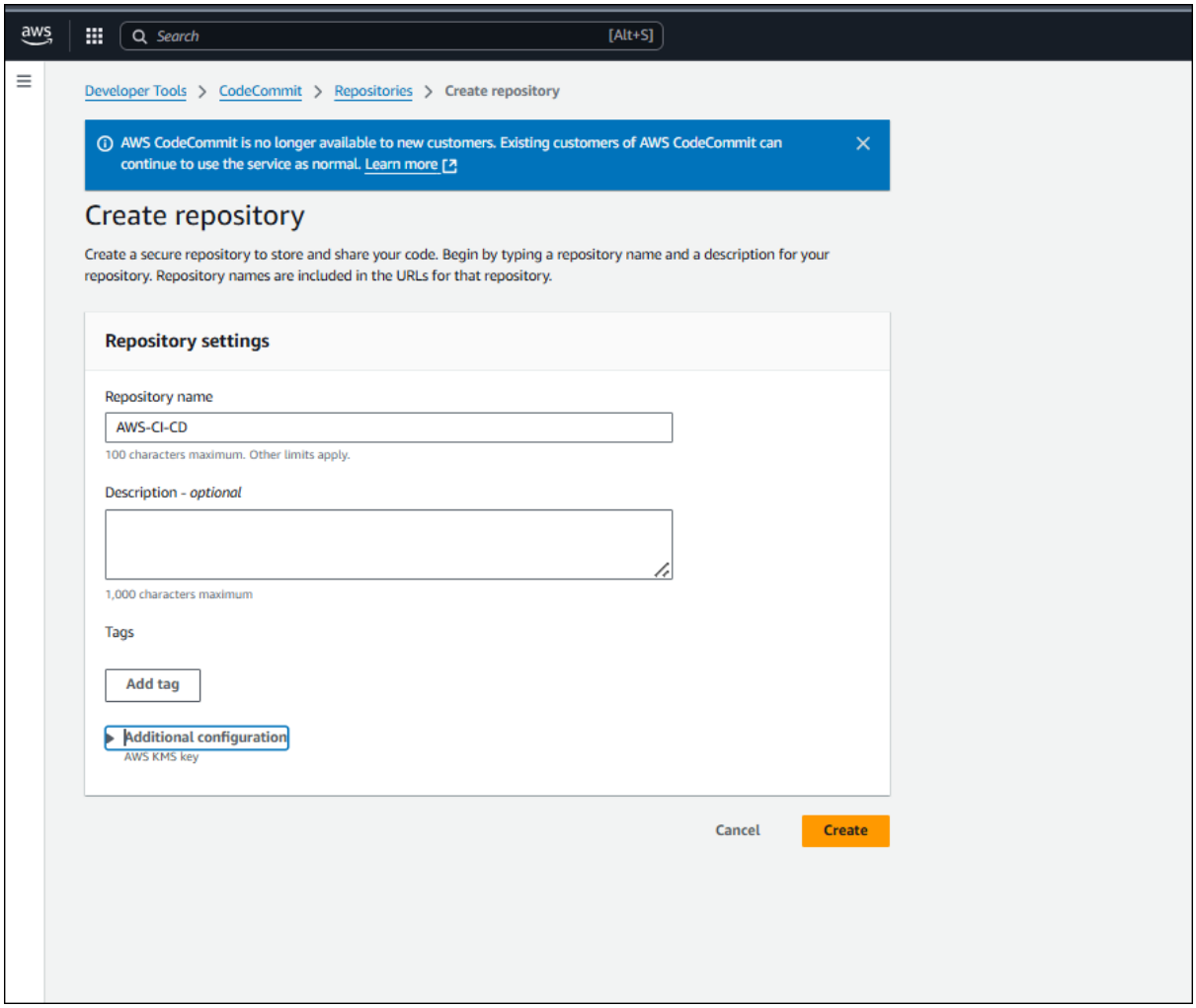
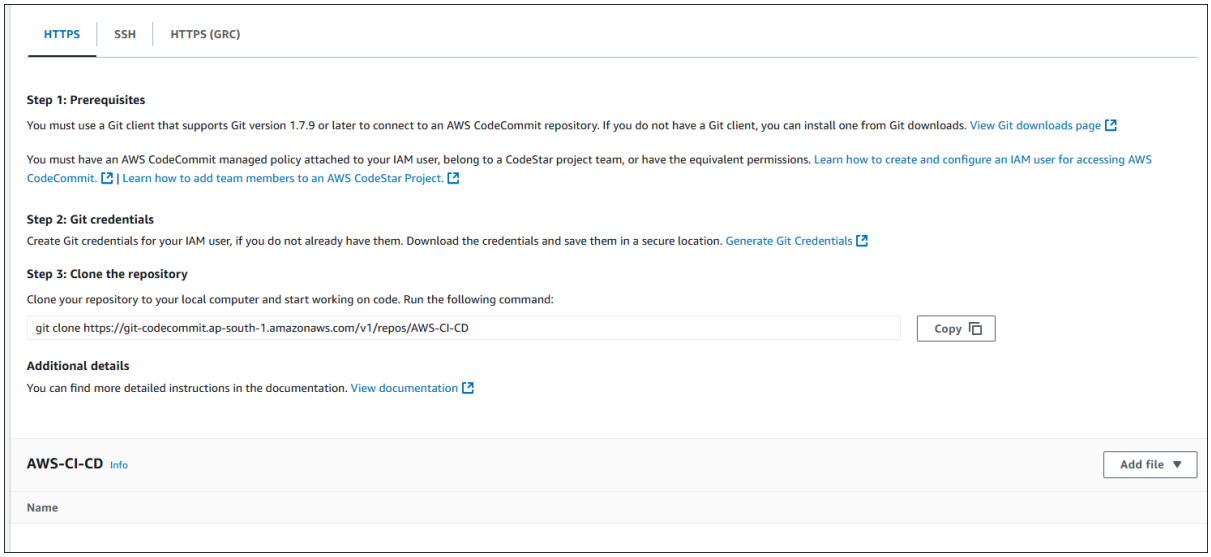
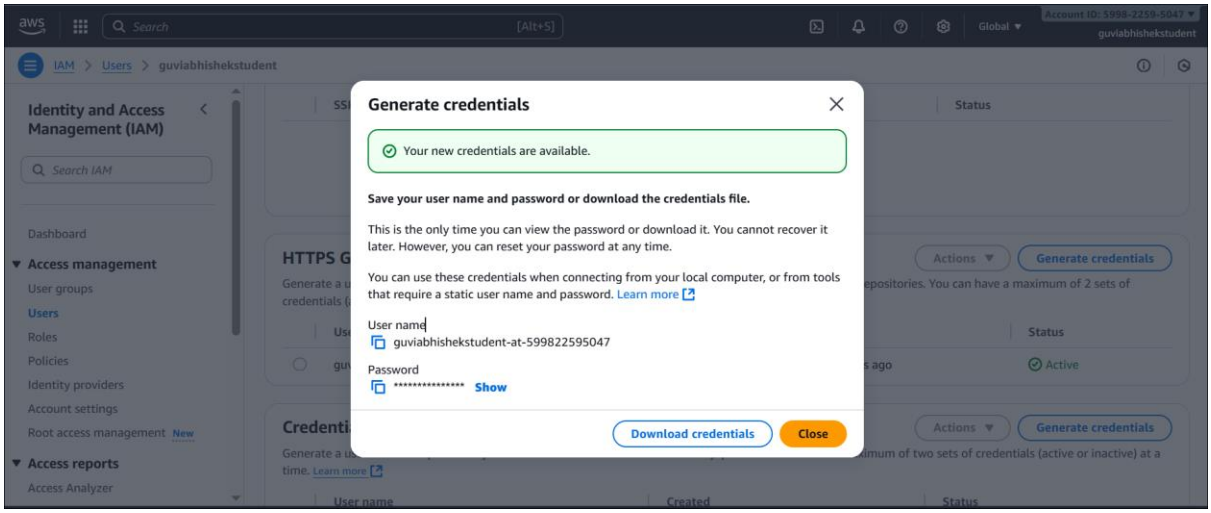
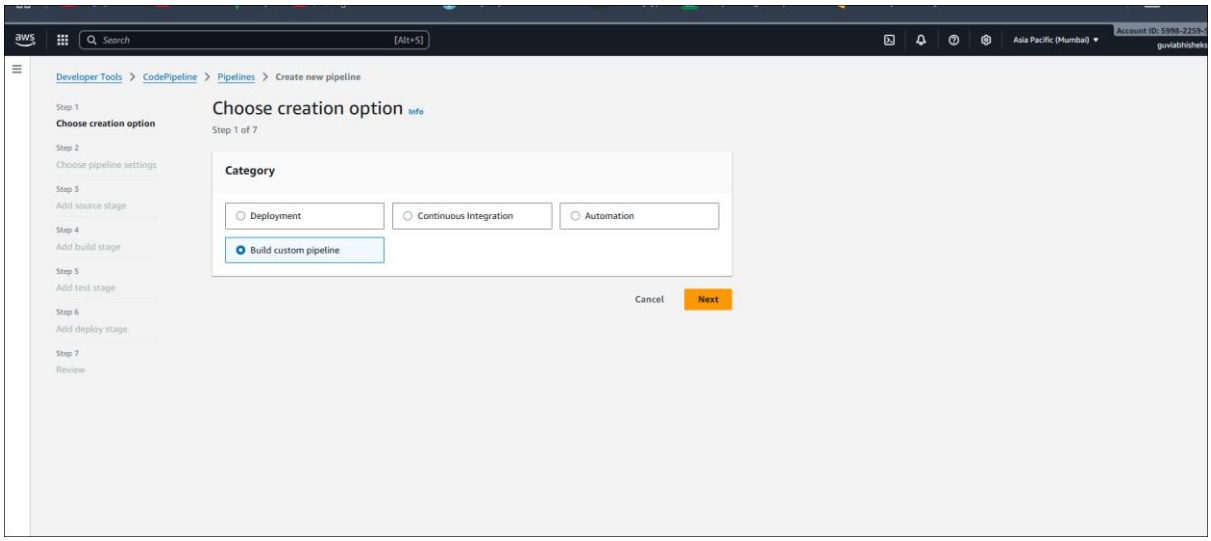
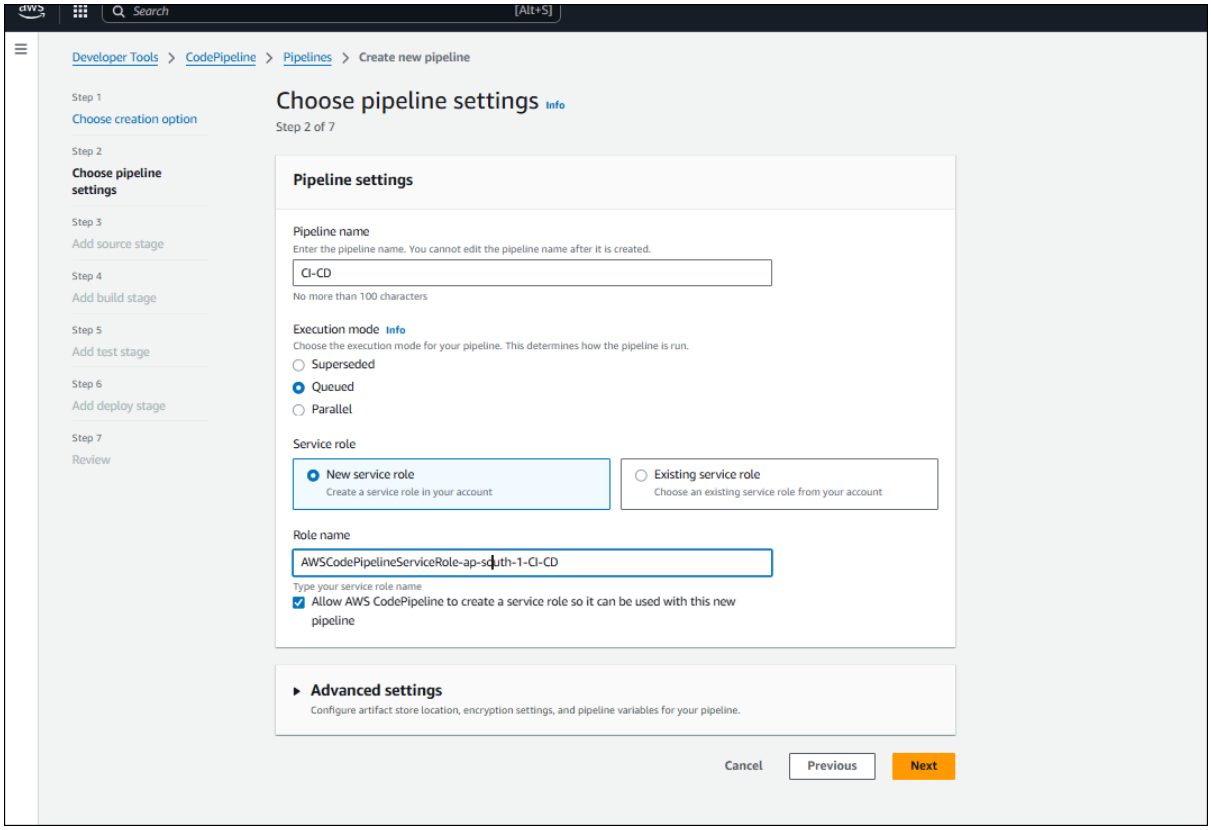
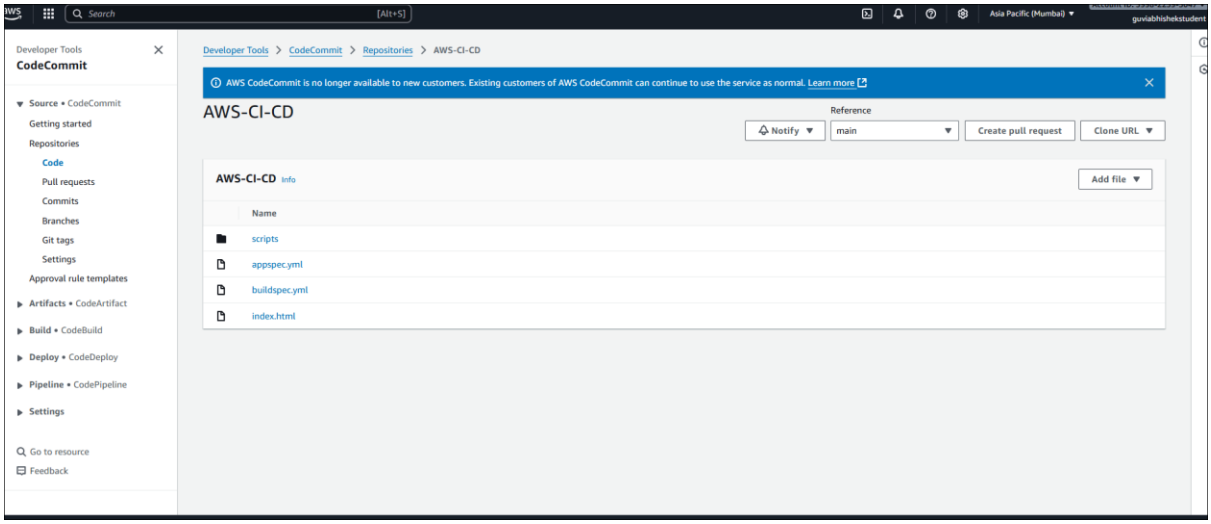

aws
Search
[Alt+S]
Developer Tools > CodeCommit > Repositories > Create repository
AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal. Learn more
Create repository
Create a secure repository to store and share your code. Begin by typing a repository name and a description for your repository. Repository names are included in the URLs for that repository.
Repository settings
Repository name
AWS-CI-CD
100 characters maximum. Other limits apply.
Description - optional
1,000 characters maximum
Tags
Add tag
Additional configuration
AWS KMS key
Cancel
Create


HTTPS
SSH
HTTPS (GRC)
Step 1: Prerequisites
You must use a Git client that supports Git version 1.7.9 or later to connect to an AWS CodeCommit repository. If you do not have a Git client, you can install one from Git downloads. View Git downloads page
You must have an AWS CodeCommit managed policy attached to your IAM user, belong to a CodeStar project team, or have the equivalent permissions. Learn how to create and configure an IAM user for accessing AWS CodeCommit. | Learn how to add team members to an AWS CodeStar Project.
Step 2: Git credentials
Create Git credentials for your IAM user, if you do not already have them. Download the credentials and save them in a secure location. Generate Git Credentials
Step 3: Clone the repository
Clone your repository to your local computer and start working on code. Run the following command:
git clone https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/AWS-CI-CD
Copy
Additional details
You can find more detailed instructions in the documentation. View documentation
AWS-CI-CD Info
Add file
Name


Generate credentials
Your new credentials are available.
Save your user name and password or download the credentials file.
This is the only time you can view the password or download it. You cannot recover it later. However, you can reset your password at any time.
You can use these credentials when connecting from your local computer, or from tools that require a static user name and password. Learn more
User name
guviabhishekstudent-at-599822595047
Password
Show
Download credentials
Close
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Root access management New
Access reports
Access Analyzer
IAM > Users > guviabhishekstudent
Actions
Generate credentials
Status
Active


Developer Tools > CodePipeline > Pipelines > Create new pipeline
Choose creation option Info
Step 1 of 7
Step 1
Choose creation option
Step 2
Choose pipeline settings
Step 3
Add source stage
Step 4
Add build stage
Step 5
Add test stage
Step 6
Add deploy stage
Step 7
Review
Category
Deployment
Continuous Integration
Automation
Build custom pipeline
Cancel
Next


Search
[Alt+S]
Developer Tools > CodePipeline > Pipelines > Create new pipeline
Step 1
Choose creation option
Step 2
Choose pipeline settings
Step 3
Add source stage
Step 4
Add build stage
Step 5
Add test stage
Step 6
Add deploy stage
Step 7
Review
Choose pipeline settings Info
Step 2 of 7
Pipeline settings
Pipeline name
Enter the pipeline name. You cannot edit the pipeline name after it is created.
CI-CD
No more than 100 characters
Execution mode Info
Choose the execution mode for your pipeline. This determines how the pipeline is run.
Superseded
Queued
Parallel
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
AWSCodePipelineServiceRole-ap-south-1-CI-CD
Type your service role name
Allow AWS CodePipeline to create a service role so it can be used with this new pipeline
Advanced settings
Configure artifact store location, encryption settings, and pipeline variables for your pipeline.
Cancel
Previous
Next


Search
[Alt+S]
Asia Pacific (Mumbai)
guvlabhishekstudent
Developer Tools
CodeCommit
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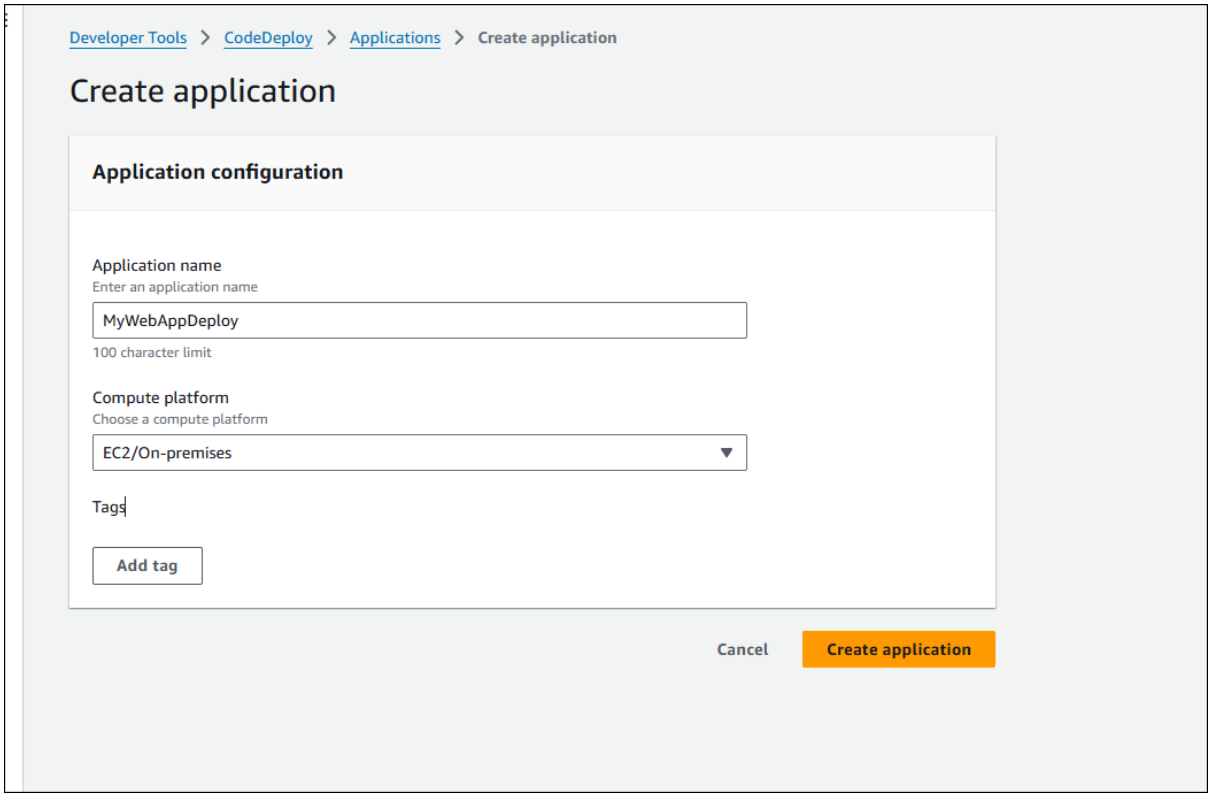
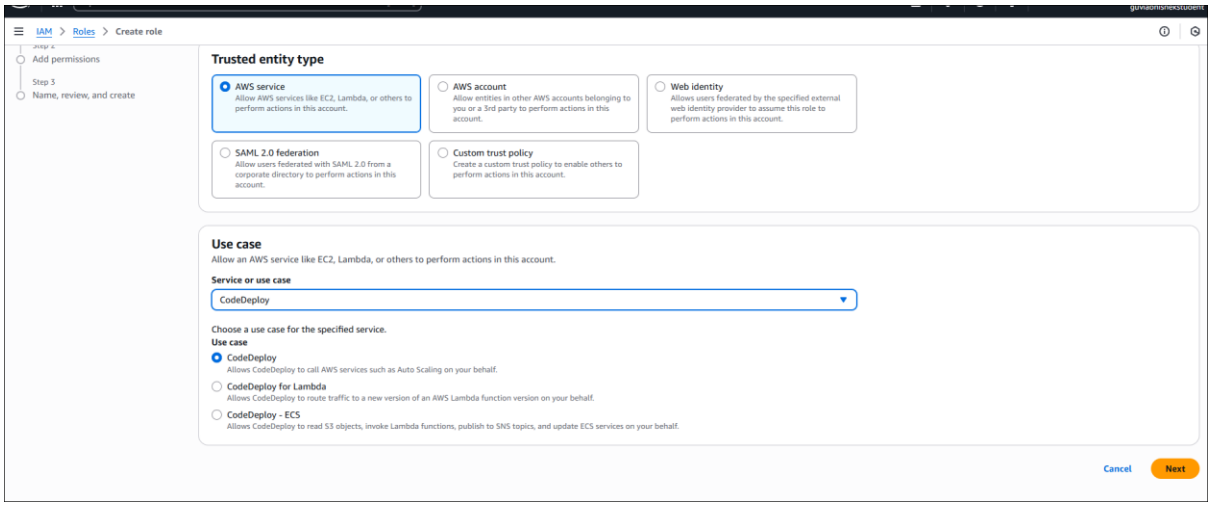
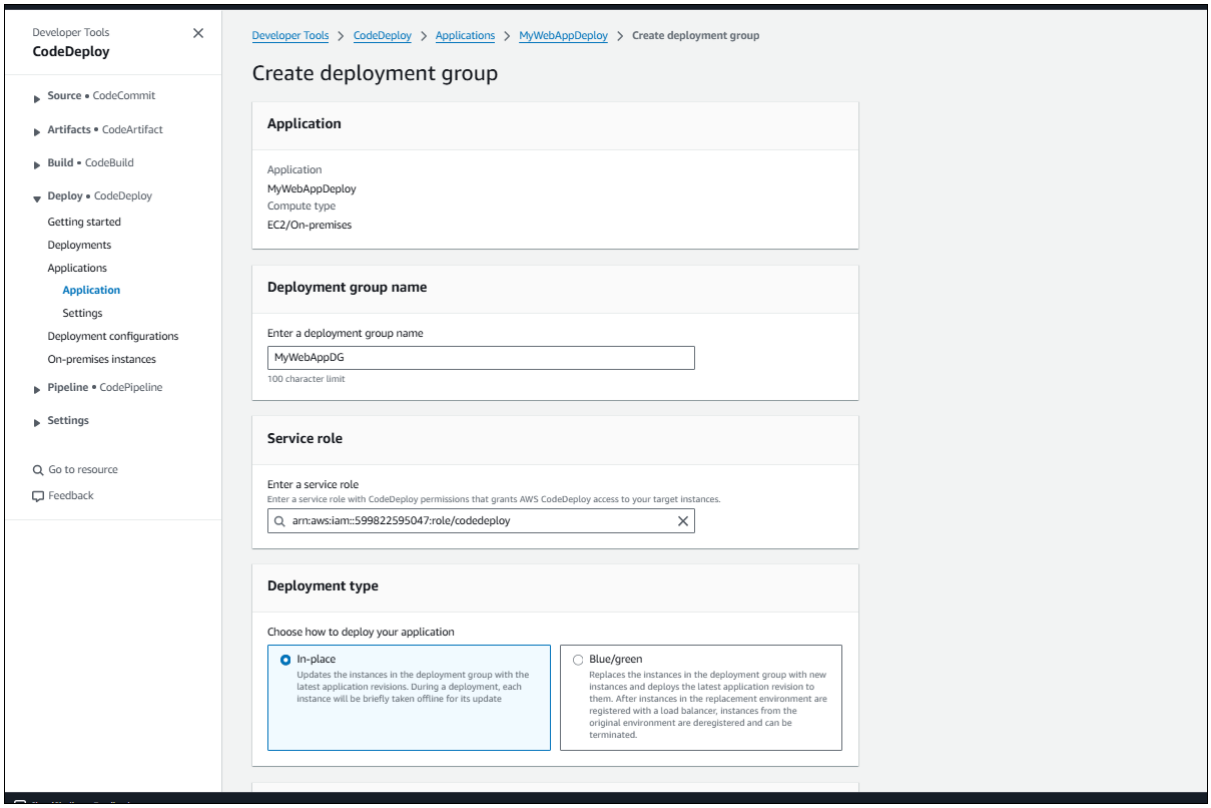
Code
Pull requests
Commits
Branches
Git tags
Settings
Approval rule templates
Artifacts • CodeArtifact
Build • CodeBuild
Deploy • CodeDeploy
Pipeline • CodePipeline
Settings
Go to resource
Feedback
Developer Tools > CodeCommit > Repositories > AWS-CI-CD
AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal. Learn more
AWS-CI-CD
Reference
Notify
main
Create pull request
Clone URL
AWS-CI-CD Info
Add file
Name
scripts
appspec.yml
buildspec.yml
index.html


Developer Tools > CodeDeploy > Applications > Create application
Create application
Application configuration
Application name
Enter an application name
MyWebAppDeploy
100 character limit
Compute platform
Choose a compute platform
EC2/On-premises
Tags
Add tag
Cancel
Create application


IAM > Roles > Create role
Add permissions
Step 3
Name, review, and create
Trusted entity type
AWS service
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
Web identity
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
SAML 2.0 federation
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
Custom trust policy
Create a custom trust policy to enable others to perform actions in this account.
Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.
Service or use case
CodeDeploy
Choose a use case for the specified service.
Use case
CodeDeploy
Allows CodeDeploy to call AWS services such as Auto Scaling on your behalf.
CodeDeploy for Lambda
Allows CodeDeploy to route traffic to a new version of an AWS Lambda function version on your behalf.
CodeDeploy - ECS
Allows CodeDeploy to read S3 objects, invoke Lambda functions, publish to SNS topics, and update ECS services on your behalf.
Cancel
Next


Developer Tools
CodeDeploy
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Artifacts • CodeArtifact
Build • CodeBuild
Deploy • CodeDeploy
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Deployments
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Settings
Deployment configurations
On-premises instances
Pipeline • CodePipeline
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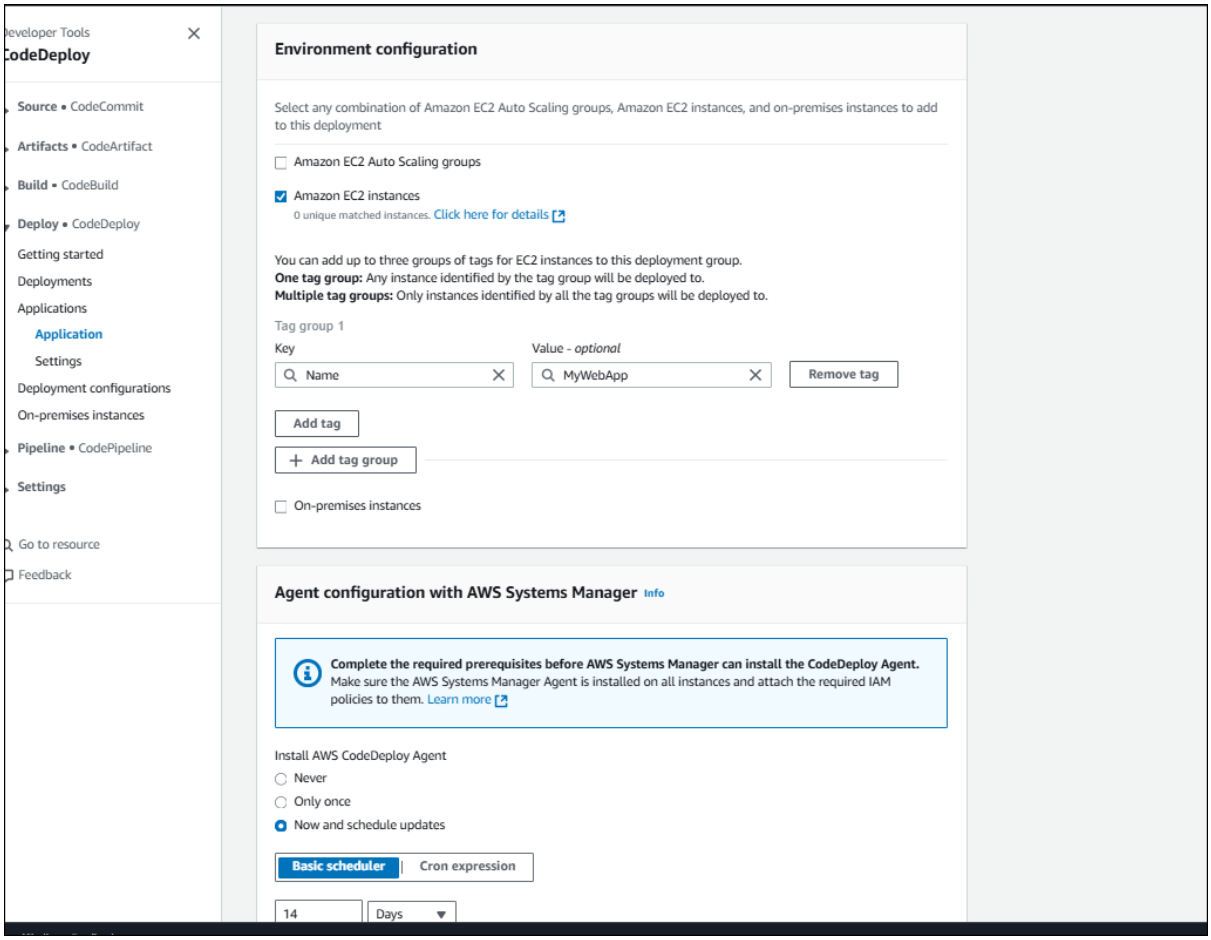
Go to resource
Feedback
Developer Tools > CodeDeploy > Applications > MyWebAppDeploy > Create deployment group
Create deployment group
Application
Application
MyWebAppDeploy
Compute type
EC2/On-premises
Deployment group name
Enter a deployment group name
MyWebAppDG
100 character limit
Service role
Enter a service role
Enter a service role with CodeDeploy permissions that grants AWS CodeDeploy access to your target instances.
arn:aws:iam::599822595047:role/codedeploy
Deployment type
Choose how to deploy your application
In-place
Updates the instances in the deployment group with the latest application revisions. During a deployment, each instance will be briefly taken offline for its update
Blue/green
Replaces the instances in the deployment group with new instances and deploys the latest application revision to them. After instances in the replacement environment are registered with a load balancer, instances from the original environment are deregistered and can be terminated.


Source • CodeCommit
Artifacts • CodeArtifact
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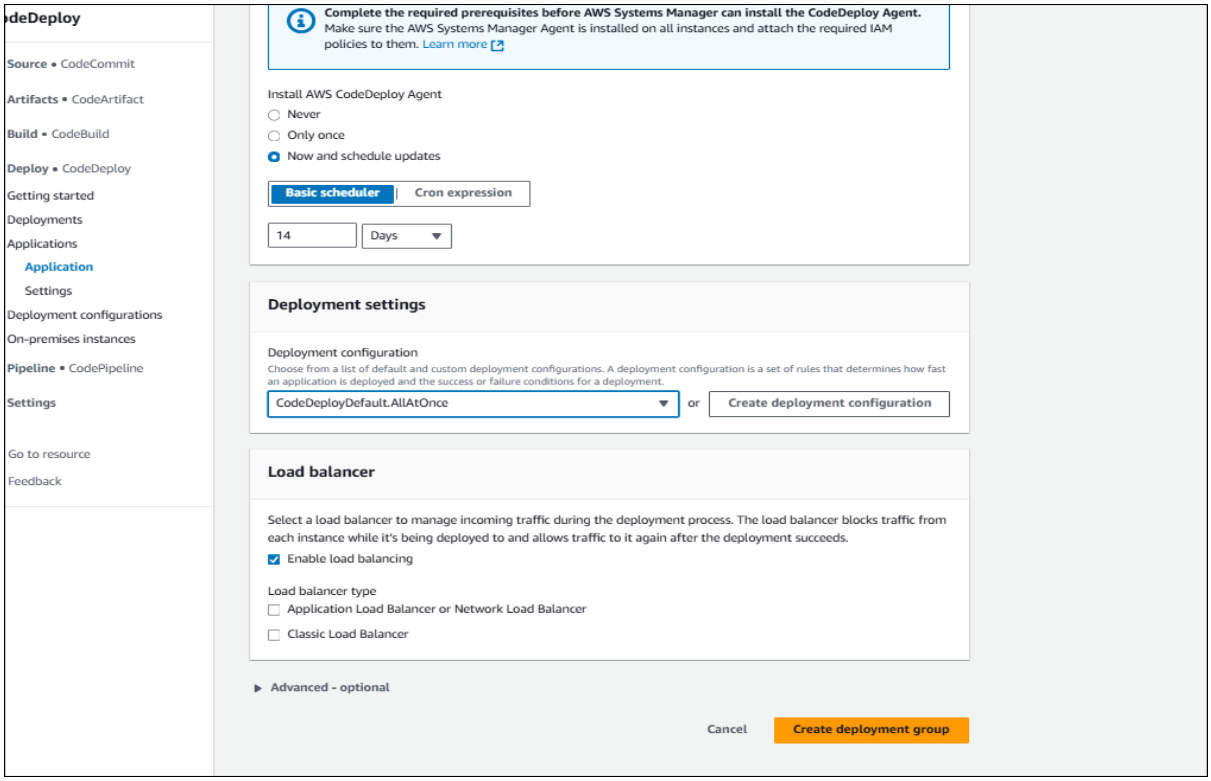
Environment configuration
Select any combination of Amazon EC2 Auto Scaling groups, Amazon EC2 instances, and on-premises instances to add to this deployment
Amazon EC2 Auto Scaling groups
Amazon EC2 instances
0 unique matched instances. Click here for details
You can add up to three groups of tags for EC2 instances to this deployment group.
One tag group: Any instance identified by the tag group will be deployed to.
Multiple tag groups: Only instances identified by all the tag groups will be deployed to.
Tag group 1
Key
Name
Value - optional
MyWebApp
Remove tag
Add tag
Add tag group
On-premises instances
Agent configuration with AWS Systems Manager Info
Complete the required prerequisites before AWS Systems Manager can install the CodeDeploy Agent.
Make sure the AWS Systems Manager Agent is installed on all instances and attach the required IAM policies to them. Learn more
Install AWS CodeDeploy Agent
Never
Only once
Now and schedule updates
Basic scheduler
Cron expression
14
Days


deDeploy
Source • CodeCommit
Artifacts • CodeArtifact
Build • CodeBuild
Deploy • CodeDeploy
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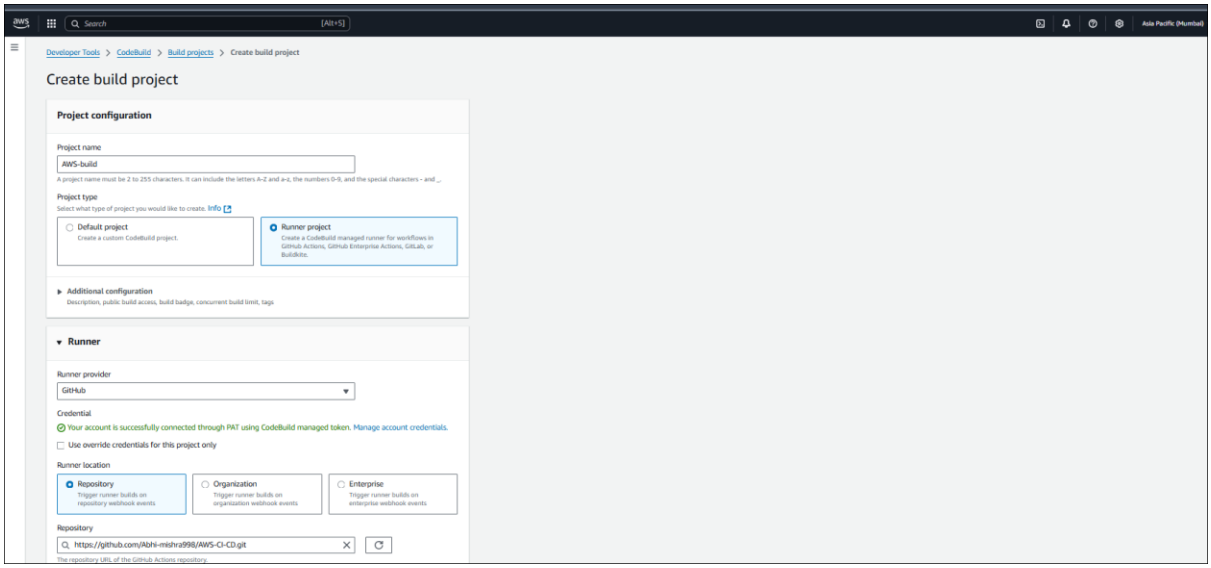
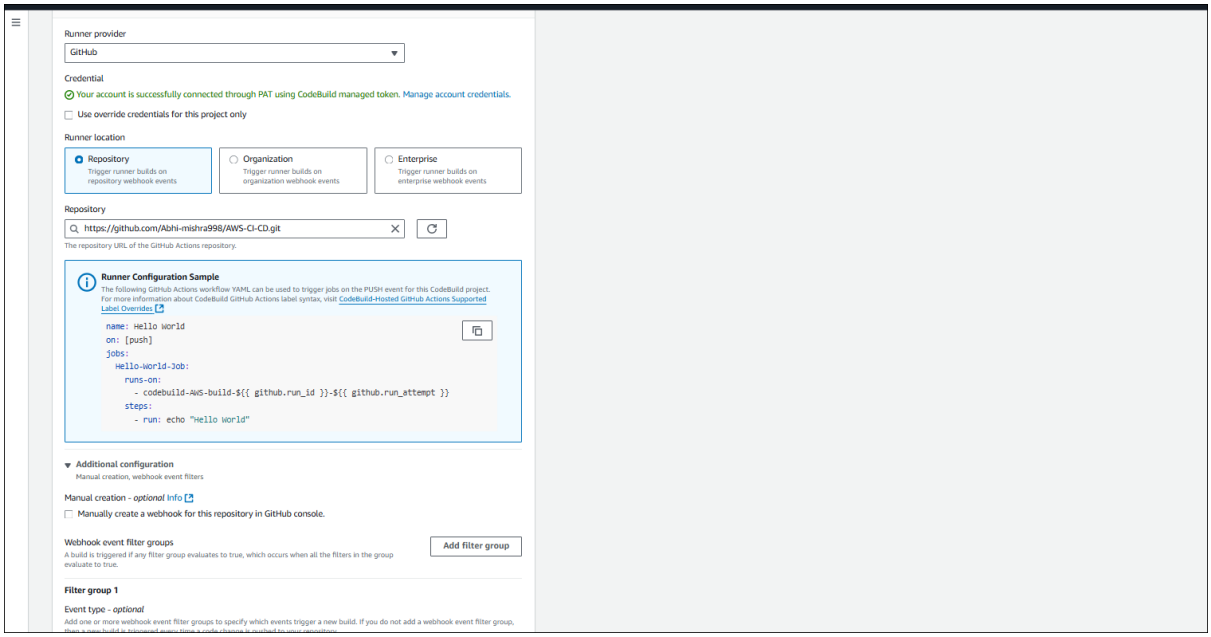
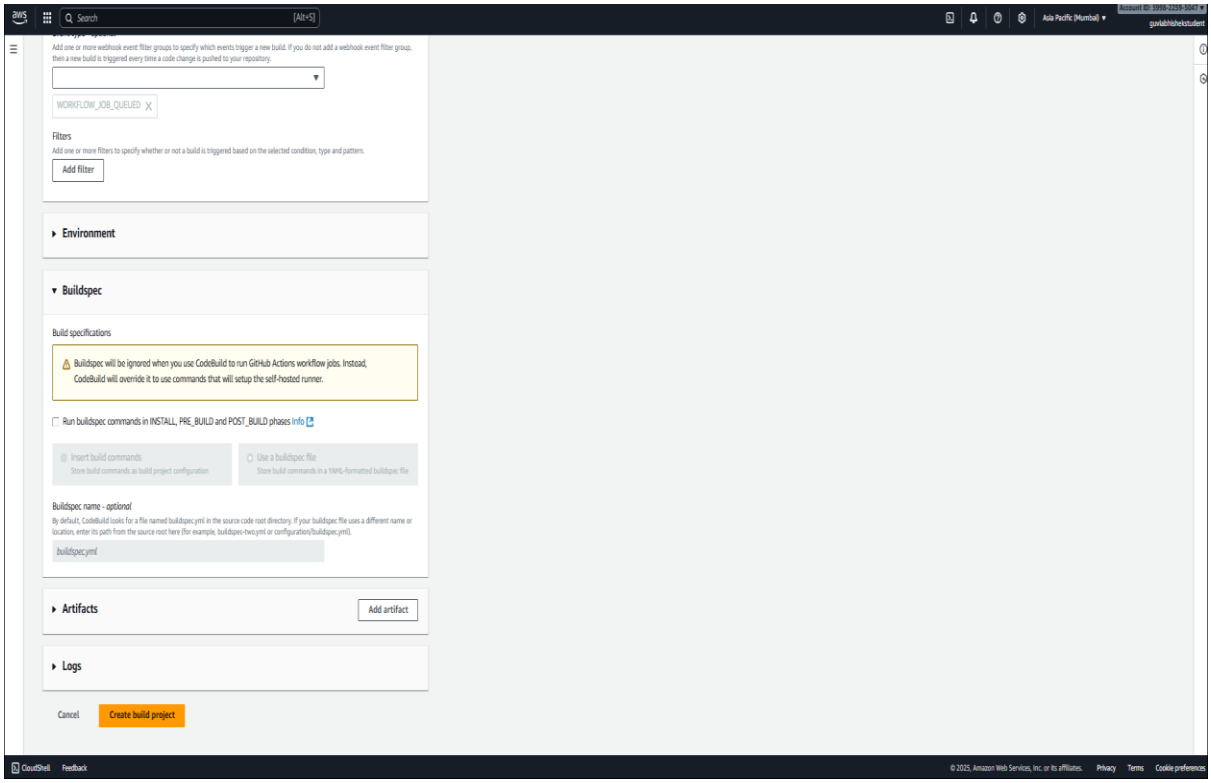
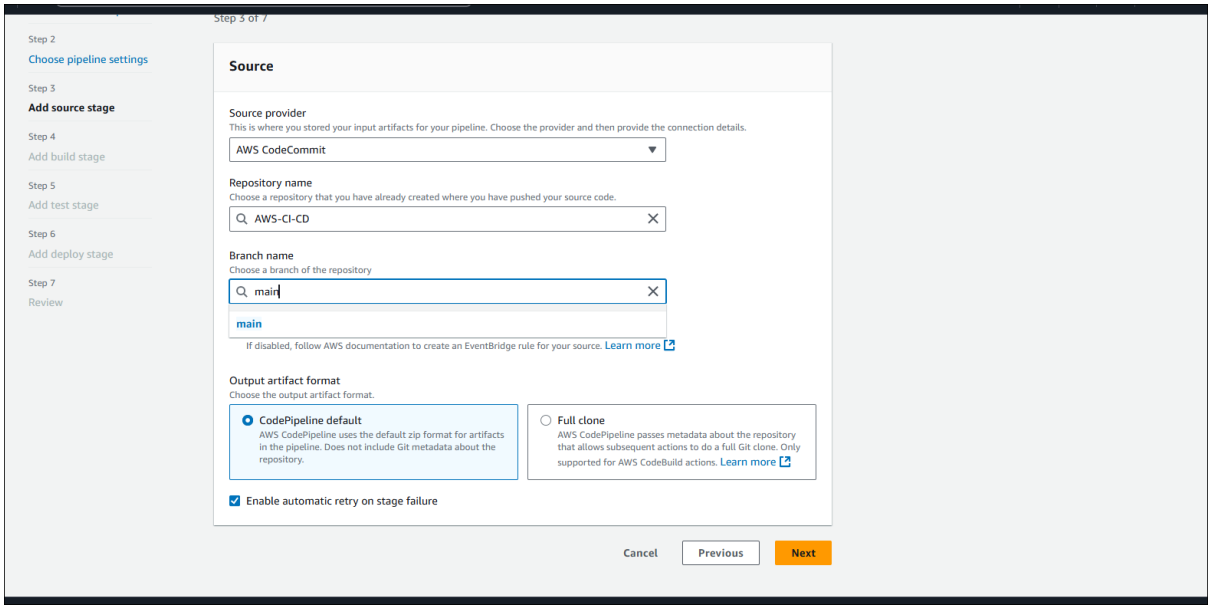
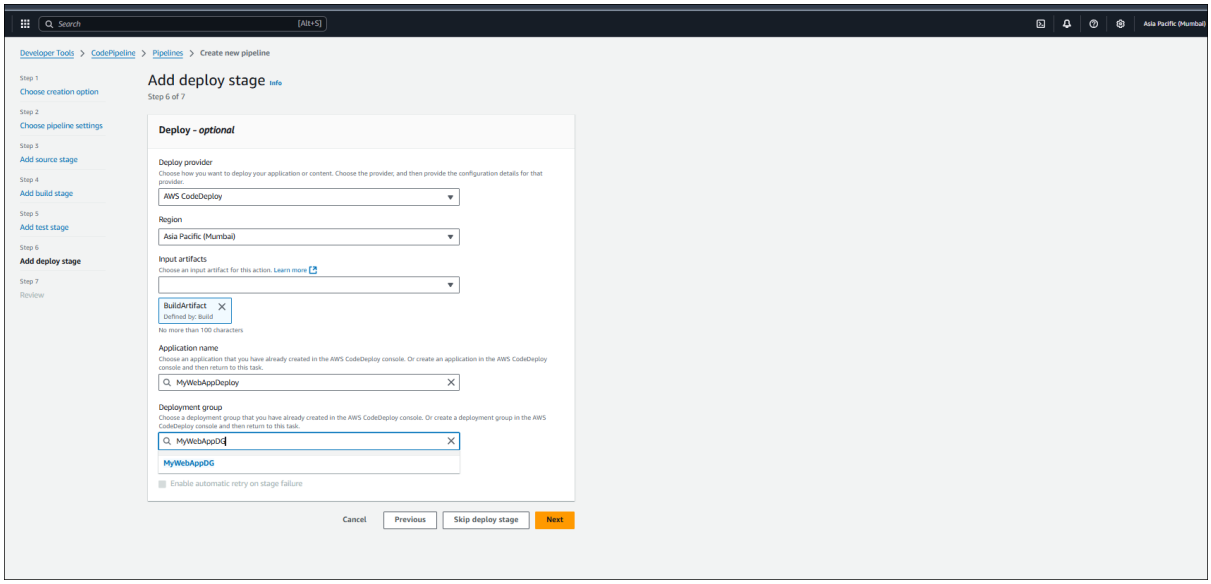
Application
Settings
Deployment configurations
On-premises instances
Pipeline • CodePipeline
Settings
Go to resource
Feedback
Complete the required prerequisites before AWS Systems Manager can install the CodeDeploy Agent.
Make sure the AWS Systems Manager Agent is installed on all instances and attach the required IAM policies to them. Learn more
Install AWS CodeDeploy Agent
Never
Only once
Now and schedule updates
Basic scheduler
Cron expression
14
Days
Deployment settings
Deployment configuration
Choose from a list of default and custom deployment configurations. A deployment configuration is a set of rules that determines how fast an application is deployed and the success or failure conditions for a deployment.
CodeDeployDefault.AllAtOnce
or
Create deployment configuration
Load balancer
Select a load balancer to manage incoming traffic during the deployment process. The load balancer blocks traffic from each instance while it's being deployed to and allows traffic to it again after the deployment succeeds.
Enable load balancing
Load balancer type
Application Load Balancer or Network Load Balancer
Classic Load Balancer
Advanced - optional
Cancel
Create deployment group


Search
[Alt+S]
Asia Pacific (Mumbai)
Developer Tools > CodeBuild > Build projects > Create build project
Create build project
Project configuration
Project name
AWS-build
Project type
Default project
Runner project
Additional configuration
Runner
Runner provider
GitHub
Credential
Your account is successfully connected through PAT using CodeBuild managed token. Manage account credentials.
Use override credentials for this project only
Runner location
Repository
Organization
Enterprise
Repository
https://github.com/Abhi-mishra998/AWS-CI-CD.git


Runner provider
GitHub
Credential
Your account is successfully connected through PAT using CodeBuild managed token. Manage account credentials.
Use override credentials for this project only
Runner location
Repository
Trigger runner builds on repository webhook events
Organization
Trigger runner builds on organization webhook events
Enterprise
Trigger runner builds on enterprise webhook events
Repository
https://github.com/Abhi-mishra998/AWS-CI-CD.git
The repository URL of the GitHub Actions repository.
Runner Configuration Sample
The following GitHub Actions workflow YAML can be used to trigger jobs on the PUSH event for this CodeBuild project. For more information about CodeBuild GitHub Actions label syntax, visit CodeBuild-Hosted GitHub Actions Supported Label Overrides
name: Hello World
on: [push]
jobs:
Hello-World-Job:
runs-on:
- codebuild-AWS-build-${{ github.run_id }}-${{ github.run_attempt }}
steps:
- run: echo "Hello World"
Additional configuration
Manual creation, webhook event filters
Manual creation - optional Info
Manually create a webhook for this repository in GitHub console.
Webhook event filter groups
A build is triggered if any filter group evaluates to true, which occurs when all the filters in the group evaluate to true.
Add filter group
Filter group 1
Event type - optional


Search
[Alt+S]
Asia Pacific (Mumbai)
WORKFLOW_JOB_QUEUED
Filters
Add one or more filters to specify whether or not a build is triggered based on the selected condition, type and pattern.
Add filter
Environment
Buildspec
Build specifications
Buildspec will be ignored when you use CodeBuild to run GitHub Actions workflow jobs. Instead, CodeBuild will override it to use commands that will setup the self-hosted runner.
Run buildspec commands in INSTALL, PRE_BUILD and POST_BUILD phases Info
Insert build commands
Store build commands as build project configuration
Use a buildspec file
Store build commands in a YAML-formatted buildspec file
Buildspec name - optional
By default, CodeBuild looks for a file named buildspec.yml in the source code root directory. If your buildspec file uses a different name or location, enter its path from the source root here (for example, buildspec-two.yml or configuration/buildspec.yml).
buildspec.yml
Artifacts
Add artifact
Logs
Cancel
Create build project
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Step 5 of 7
Step 2
Choose pipeline settings
Step 3
Add source stage
Step 4
Add build stage
Step 5
Add test stage
Step 6
Add deploy stage
Step 7
Review
Source
Source provider
This is where you stored your input artifacts for your pipeline. Choose the provider and then provide the connection details.
AWS CodeCommit
Repository name
Choose a repository that you have already created where you have pushed your source code.
AWS-CI-CD
Branch name
Choose a branch of the repository
main
main
If disabled, follow AWS documentation to create an EventBridge rule for your source. Learn more
Output artifact format
Choose the output artifact format.
CodePipeline default
AWS CodePipeline uses the default zip format for artifacts in the pipeline. Does not include Git metadata about the repository.
Full clone
AWS CodePipeline passes metadata about the repository that allows subsequent actions to do a full Git clone. Only supported for AWS CodeBuild actions. Learn more
Enable automatic retry on stage failure
Cancel
Previous
Next


Search
[Alt+S]
Asia Pacific (Mumbai)
Developer Tools
CodePipeline
Pipelines
Create new pipeline
Step 1
Choose creation option
Step 2
Choose pipeline settings
Step 3
Add source stage
Step 4
Add build stage
Step 5
Add test stage
Step 6
Add deploy stage
Step 7
Review
Add deploy stage Info
Step 6 of 7
Deploy - optional
Deploy provider
Choose how you want to deploy your application or content. Choose the provider, and then provide the configuration details for that provider.
AWS CodeDeploy
Region
Asia Pacific (Mumbai)
Input artifacts
Choose an input artifact for this action. Learn more
BuildArtifact
Defined by: Build
No more than 100 characters
Application name
Choose an application that you have already created in the AWS CodeDeploy console. Or create an application in the AWS CodeDeploy console and then return to this task.
MyWebAppDeploy
Deployment group
Choose a deployment group that you have already created in the AWS CodeDeploy console. Or create a deployment group in the AWS CodeDeploy console and then return to this task.
MyWebAppDG
MyWebAppDG
Enable automatic retry on stage failure
Cancel
Previous
Skip deploy stage
Next

```
● codedeploy-agent.service - AWS CodeDeploy Host Agent
     Loaded: loaded (/usr/lib/systemd/system/codedeploy-agent.service; enabled; preset: disabled)
     Active: active (running) since Fri 2025-08-29 02:31:54 UTC; 2min 10s ago
   Main PID: 27971 (ruby)
      Tasks: 3 (limit: 1111)
     Memory: 66.0M
        CPU: 1.104s
     CGroup: /system.slice/codedeploy-agent.service
             ├─27971 "codedeploy-agent: master 27971"
             └─27973 "codedeploy-agent: InstanceAgent::Plugins::CodeDeployPlugin::CommandPoller of master 27971"

Aug 29 02:31:53 ip-172-31-47-47.ap-south-1.compute.internal systemd[1]: Starting codedeploy-agent.service - AWS CodeDeploy Host Agent...
Aug 29 02:31:54 ip-172-31-47-47.ap-south-1.compute.internal systemd[1]: Started codedeploy-agent.service - AWS CodeDeploy Host Agent.
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~
lines 1-13/13 (END)
[ec2-user@ip-172-31-47-47 tmp]$
[ec2-user@ip-172-31-47-47 tmp]$ sudo yum update -y
Last metadata expiration check: 0:43:07 ago on Fri Aug 29 01:52:29 2025.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-47-47 tmp]$ sudo amazon-linux-extras enable nginx1
sudo: amazon-linux-extras: command not found
[ec2-user@ip-172-31-47-47 tmp]$
[ec2-user@ip-172-31-47-47 tmp]$ sudo yum install -y nginx
Last metadata expiration check: 0:43:24 ago on Fri Aug 29 01:52:29 2025.
Package nginx-1:1.28.0-1.amzn2023.0.2.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-47-47 tmp]$ sudo systemctl start nginx
[ec2-user@ip-172-31-47-47 tmp]$ sudo systemctl enable nginx
[ec2-user@ip-172-31-47-47 tmp]$ sudo systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
     Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: disabled)
     Active: active (running) since Fri 2025-08-29 01:52:34 UTC; 43min ago
   Main PID: 4055 (nginx)
      Tasks: 2 (limit: 1111)
     Memory: 2.5M
        CPU: 59ms
     CGroup: /system.slice/nginx.service
             ├─4055 "nginx: master process /usr/sbin/nginx"
             └─4062 "nginx: worker process"

Aug 29 01:52:34 ip-172-31-47-47.ap-south-1.compute.internal systemd[1]: Starting nginx.service - The nginx HTTP and reverse proxy server...
Aug 29 01:52:34 ip-172-31-47-47.ap-south-1.compute.internal nginx[3953]: nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
Aug 29 01:52:34 ip-172-31-47-47.ap-south-1.compute.internal nginx[3953]: nginx: configuration file /etc/nginx/nginx.conf test is successful
Aug 29 01:52:34 ip-172-31-47-47.ap-south-1.compute.internal systemd[1]: Started nginx.service - The nginx HTTP and reverse proxy server.
[ec2-user@ip-172-31-47-47 tmp]$
```