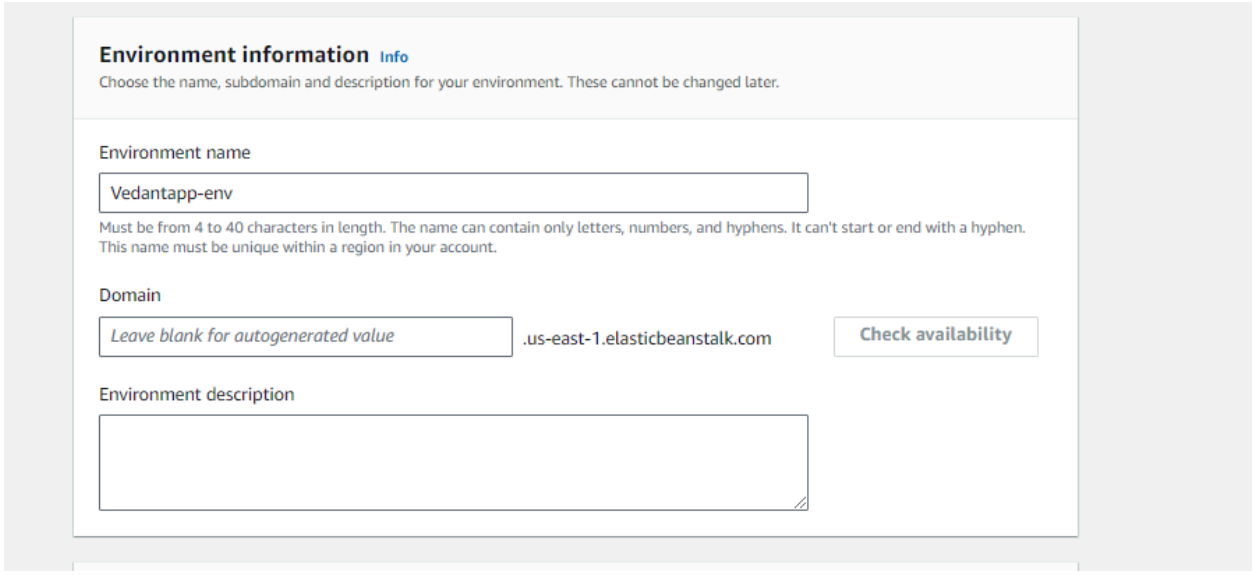
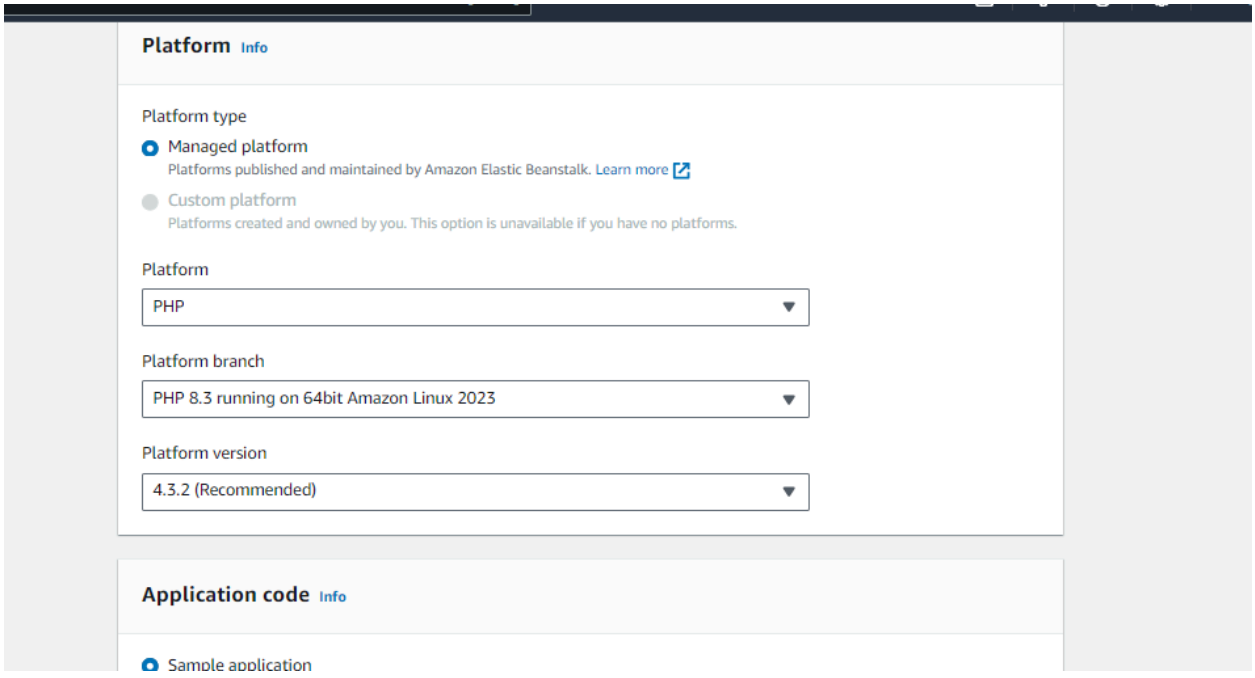
Vedant Sanap
D15A 48

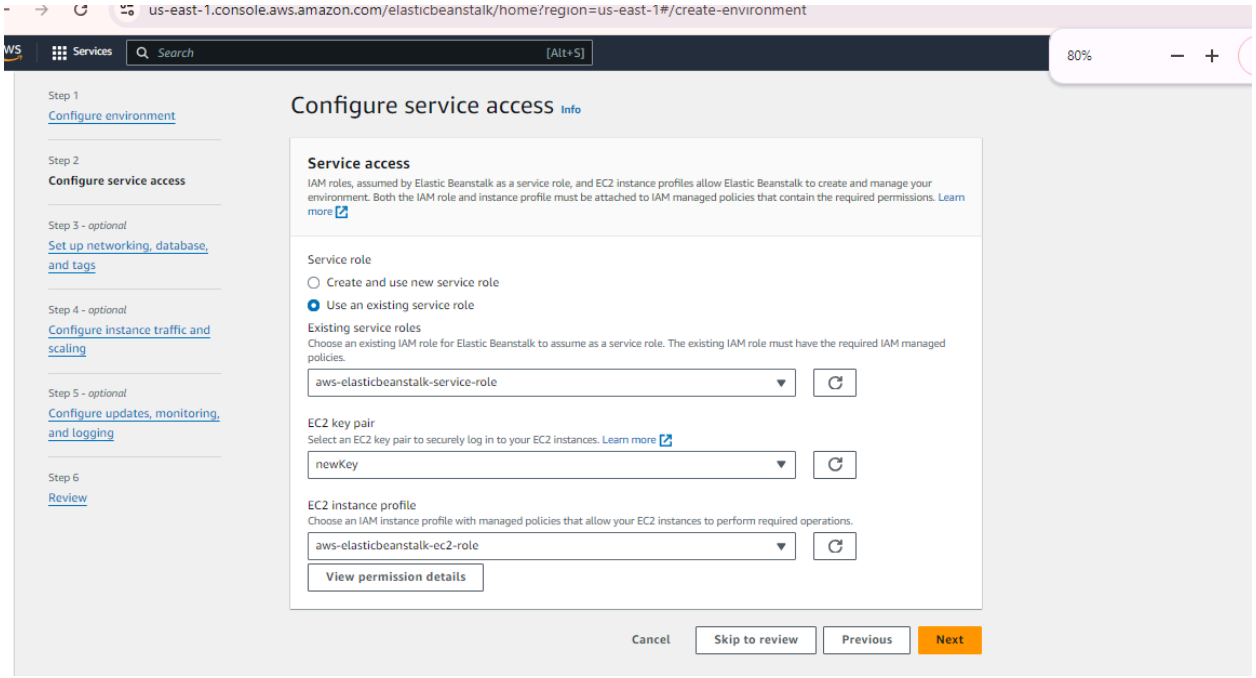
ADVANCE DEVOPS EXP-2

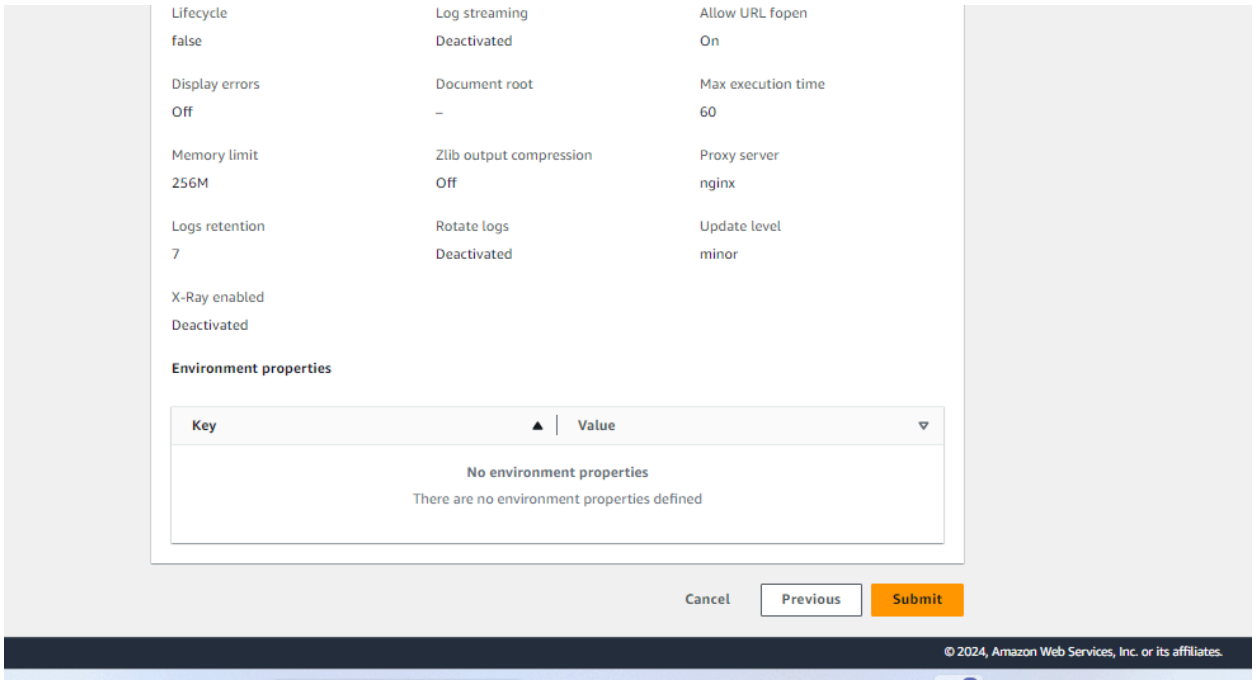
Aim: To build your application using AWS Codebuild and deploy on S3 using AWS CodePipeline deploy sample application on EC2 instance using AWS codedeploy. Code and Output : Using

Elastic Beanstalk:






us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Services
Search
[Alt+S]
80%
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 service access Info
Service access
IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. Learn more
Service role
Create and use new service role
Use an existing service role
Existing service roles
Choose an existing IAM role for Elastic Beanstalk to assume as a service role. The existing IAM role must have the required IAM managed policies.
aws-elasticbeanstalk-service-role
EC2 key pair
Select an EC2 key pair to securely log in to your EC2 instances. Learn more
newKey
EC2 instance profile
Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.
aws-elasticbeanstalk-ec2-role
View permission details
Cancel
Skip to review
Previous
Next


Lifecycle
false
Log streaming
Deactivated
Allow URL fopen
On
Display errors
Off
Document root
–
Max execution time
60
Memory limit
256M
Zlib output compression
Off
Proxy server
nginx
Logs retention
7
Rotate logs
Deactivated
Update level
minor
X-Ray enabled
Deactivated
Environment properties
Key
Value
No environment properties
There are no environment properties defined
Cancel
Previous
Submit
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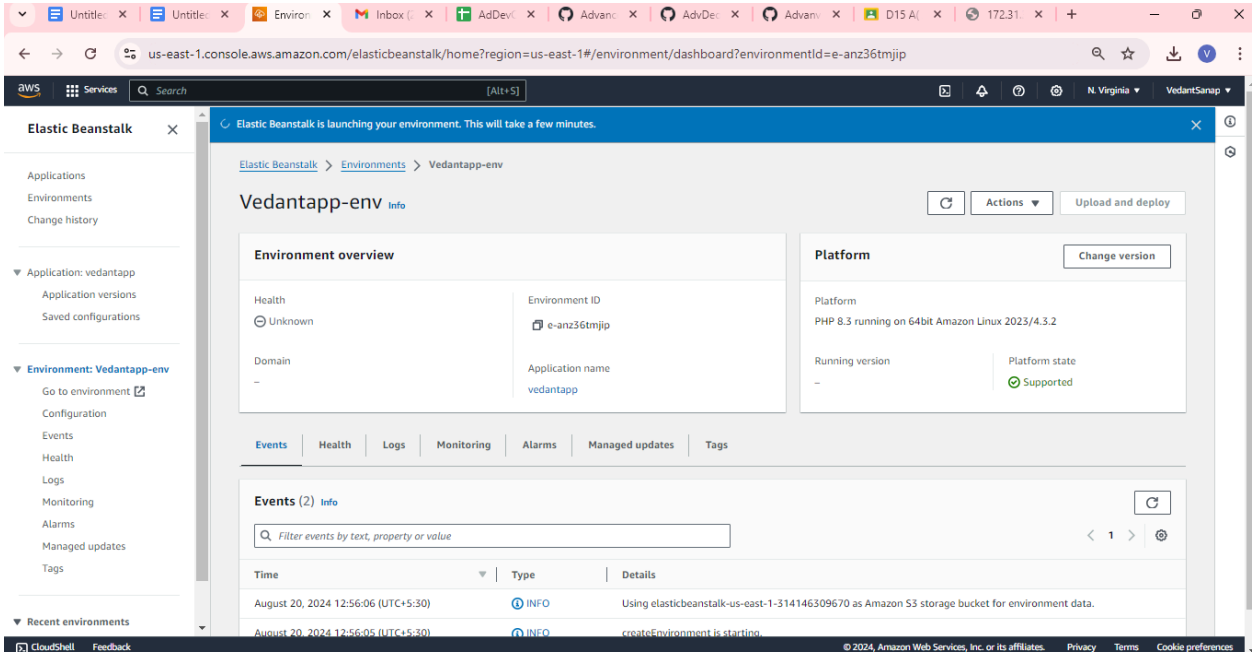
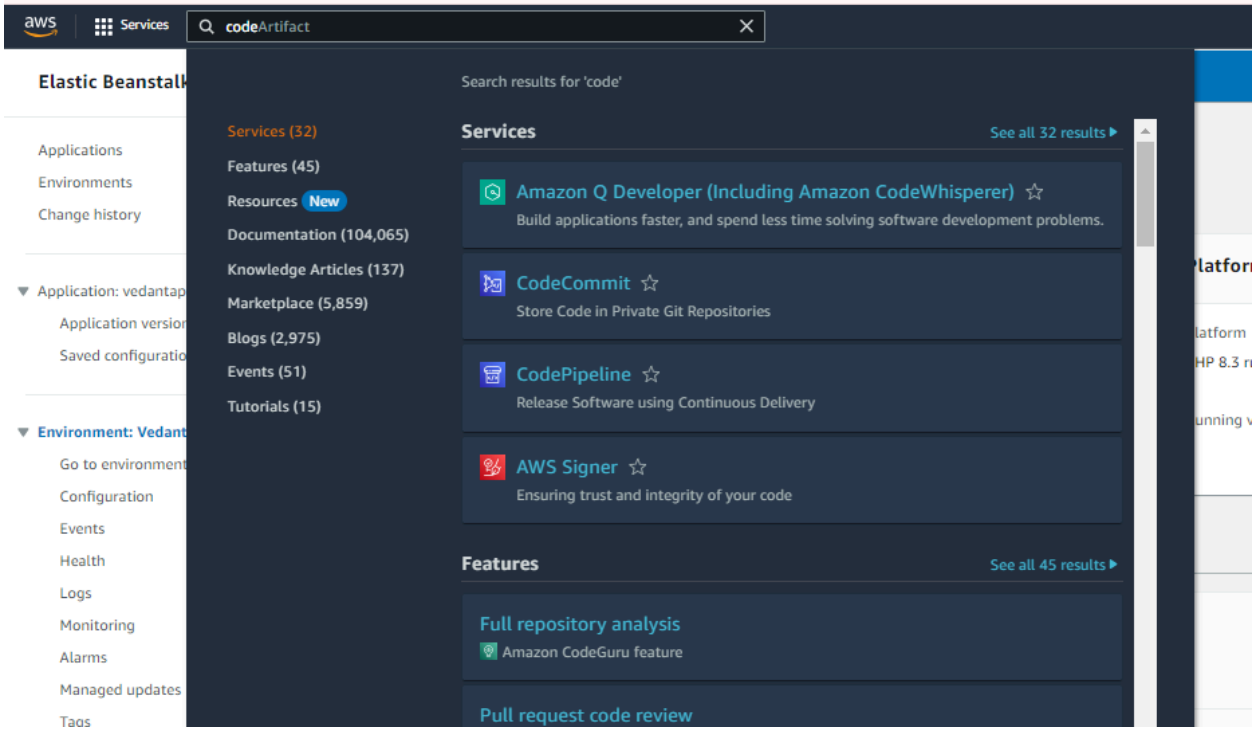
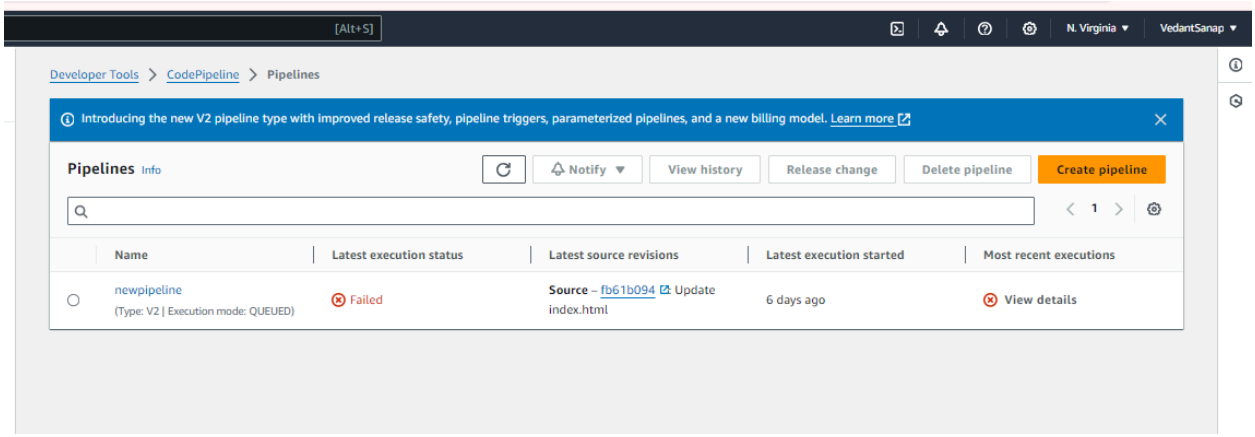
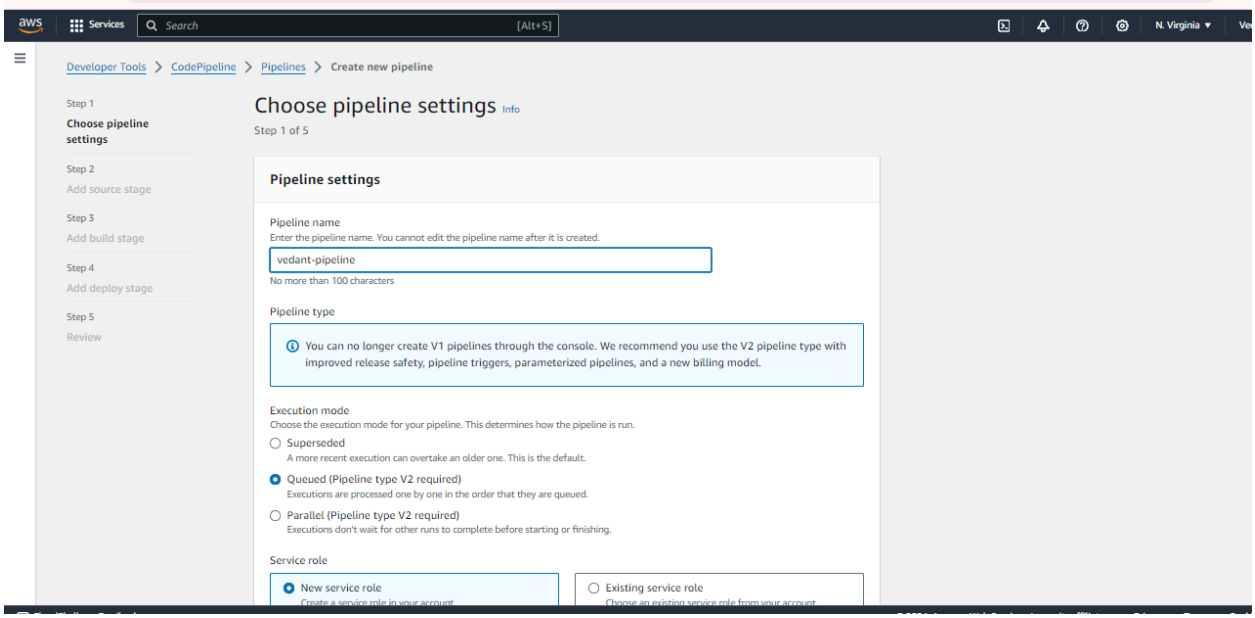
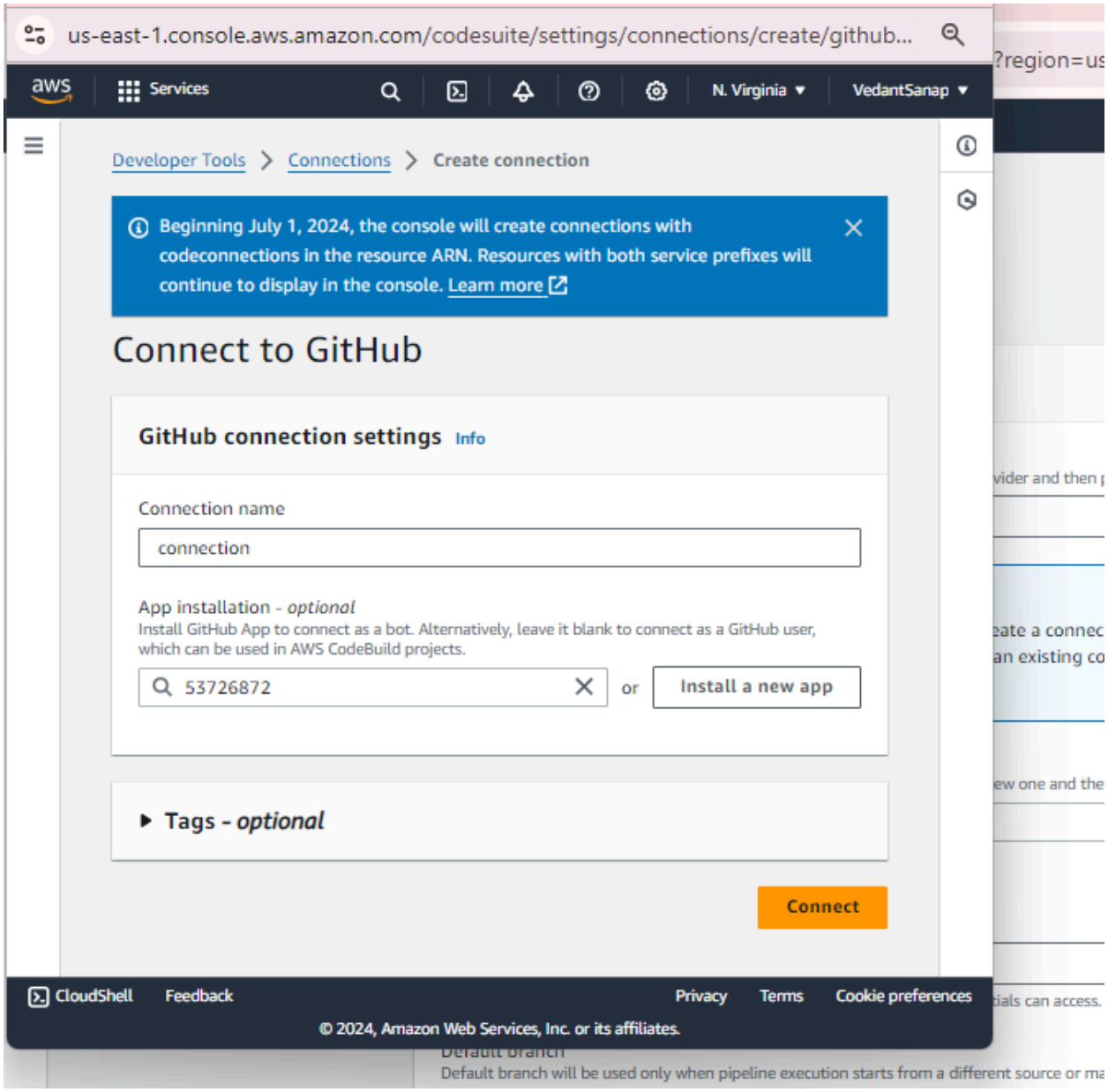

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-anz36tmjip
Elastic Beanstalk is launching your environment. This will take a few minutes.
Elastic Beanstalk > Environments > Vedantapp-env
Vedantapp-env Info
Actions
Upload and deploy
Environment overview
Health
Unknown
Environment ID
e-anz36tmjip
Domain
Application name
vedantapp
Platform
Change version
Platform
PHP 8.3 running on 64bit Amazon Linux 2023/4.3.2
Running version
Platform state
Supported
Events
Health
Logs
Monitoring
Alarms
Managed updates
Tags
Events (2) Info
Filter events by text, property or value
Time
Type
Details
August 20, 2024 12:56:06 (UTC+5:30)
INFO
Using elasticbeanstalk-us-east-1-314146309670 as Amazon S3 storage bucket for environment data.
August 20, 2024 12:56:05 (UTC+5:30)
INFO
createEnvironment is starting.
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


codeArtifact
Search results for 'code'
Services (32)
Features (45)
Resources New
Documentation (104,065)
Knowledge Articles (137)
Marketplace (5,859)
Blogs (2,975)
Events (51)
Tutorials (15)
Services
See all 32 results
Amazon Q Developer (Including Amazon CodeWhisperer)
Build applications faster, and spend less time solving software development problems.
CodeCommit
Store Code in Private Git Repositories
CodePipeline
Release Software using Continuous Delivery
AWS Signer
Ensuring trust and integrity of your code
Features
See all 45 results
Full repository analysis
Amazon CodeGuru feature
Pull request code review


[Alt+S]
N. Virginia
VedantSanap
Developer Tools > CodePipeline > Pipelines
Introducing the new V2 pipeline type with improved release safety, pipeline triggers, parameterized pipelines, and a new billing model. Learn more
Pipelines Info
Notify
View history
Release change
Delete pipeline
Create pipeline
Name
Latest execution status
Latest source revisions
Latest execution started
Most recent executions
newpipeline
(Type: V2 | Execution mode: QUEUED)
Failed
Source – fb61b094 Update index.html
6 days ago
View details


aws
Services
Search
[Alt+S]
N. Virginia
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
Choose pipeline settings Info
Step 1 of 5
Pipeline settings
Pipeline name
Enter the pipeline name. You cannot edit the pipeline name after it is created.
vedant-pipeline
No more than 100 characters
Pipeline type
You can no longer create V1 pipelines through the console. We recommend you use the V2 pipeline type with improved release safety, pipeline triggers, parameterized pipelines, and a new billing model.
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
Existing service role


us-east-1.console.aws.amazon.com/codesuite/settings/connections/create/github...
aws
Services
N. Virginia
VedantSanap
Developer Tools
Connections
Create connection
Beginning July 1, 2024, the console will create connections with codeconnections in the resource ARN. Resources with both service prefixes will continue to display in the console. Learn more
Connect to GitHub
GitHub connection settings Info
Connection name
connection
App installation - optional
Install GitHub App to connect as a bot. Alternatively, leave it blank to connect as a GitHub user, which can be used in AWS CodeBuild projects.
53726872
or
Install a new app
Tags - optional
Connect
CloudShell
Feedback
Privacy
Terms
Cookie preferences
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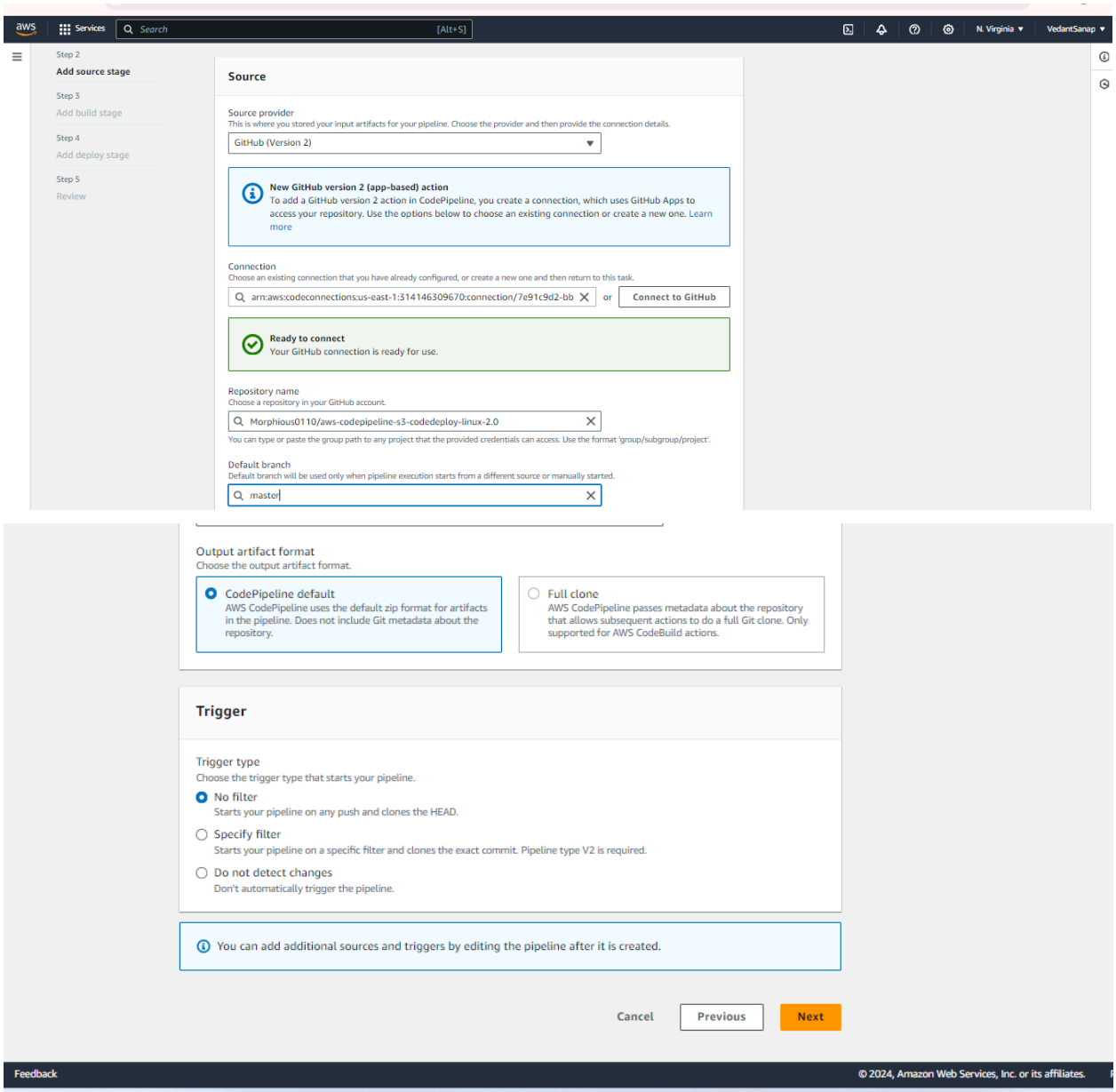
aws
Services
Search
[Alt+S]
N. Virginia
VedantSanap
Step 2
Add source stage
Step 3
Add build stage
Step 4
Add deploy stage
Step 5
Review
Source
Source provider
This is where you stored your input artifacts for your pipeline. Choose the provider and then provide the connection details.
GitHub (Version 2)
New GitHub version 2 (app-based) action
To add a GitHub version 2 action in CodePipeline, you create a connection, which uses GitHub Apps to access your repository. Use the options below to choose an existing connection or create a new one. Learn more
Connection
Choose an existing connection that you have already configured, or create a new one and then return to this task.
arn:aws:codeconnections:us-east-1:314146309670:connection/7e91c9d2-bb
or
Connect to GitHub
Ready to connect
Your GitHub connection is ready for use.
Repository name
Choose a repository in your GitHub account.
Morphious0110/aws-codepipeline-s3-codedeploy-linux-2.0
You can type or paste the group path to any project that the provided credentials can access. Use the format 'group/subgroup/project'.
Default branch
Default branch will be used only when pipeline execution starts from a different source or manually started.
master
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.
Trigger
Trigger type
Choose the trigger type that starts your pipeline.
No filter
Starts your pipeline on any push and clones the HEAD.
Specify filter
Starts your pipeline on a specific filter and clones the exact commit. Pipeline type V2 is required.
Do not detect changes
Don't automatically trigger the pipeline.
You can add additional sources and triggers by editing the pipeline after it is created.
Cancel
Previous
Next
Feedback
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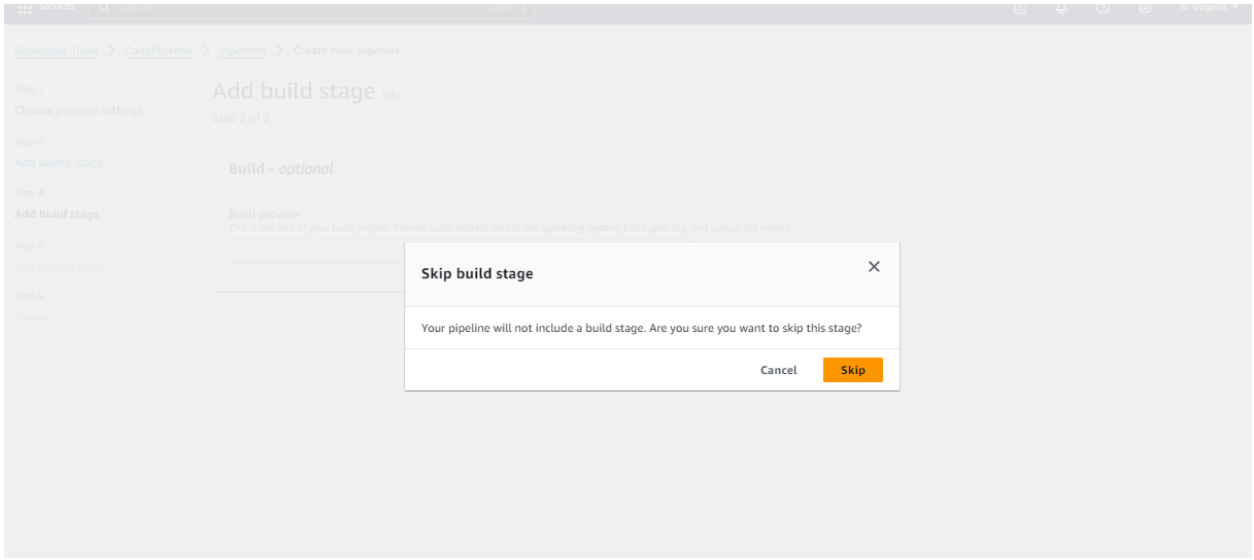
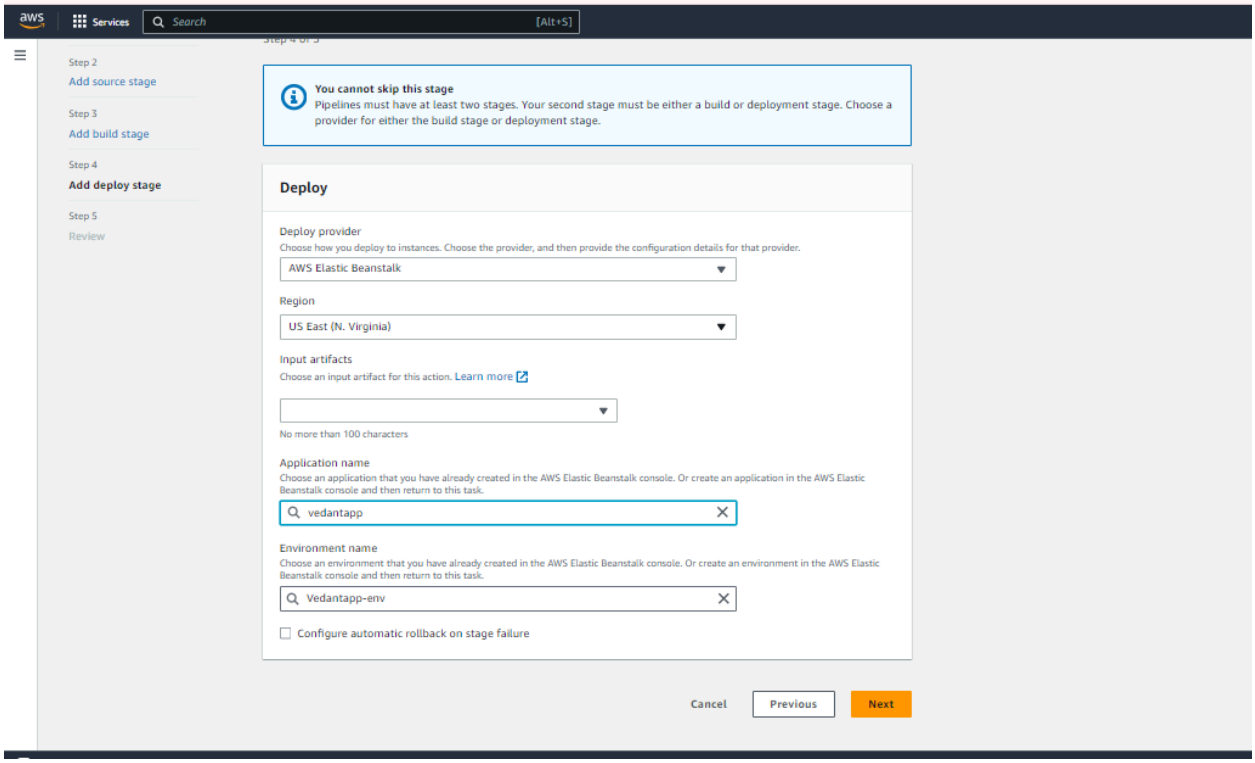
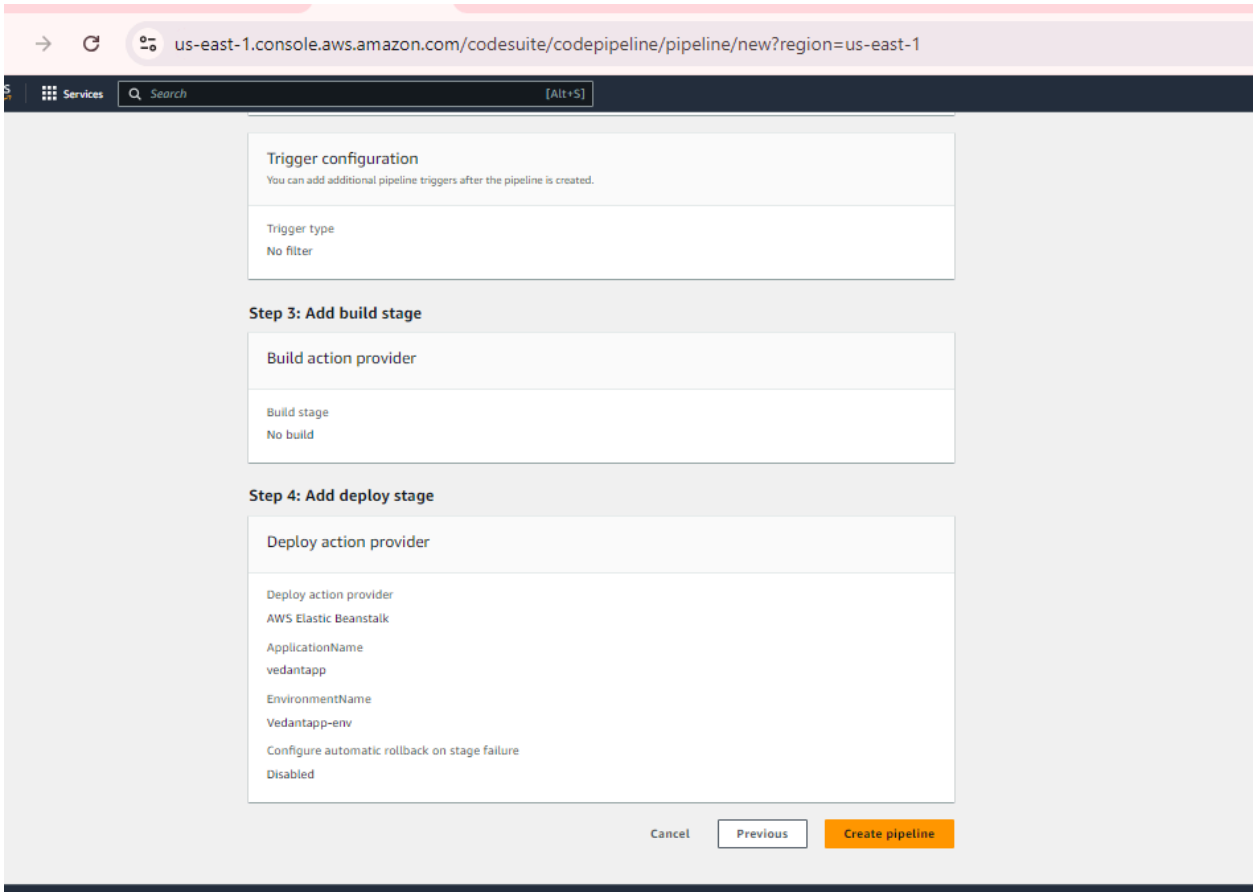
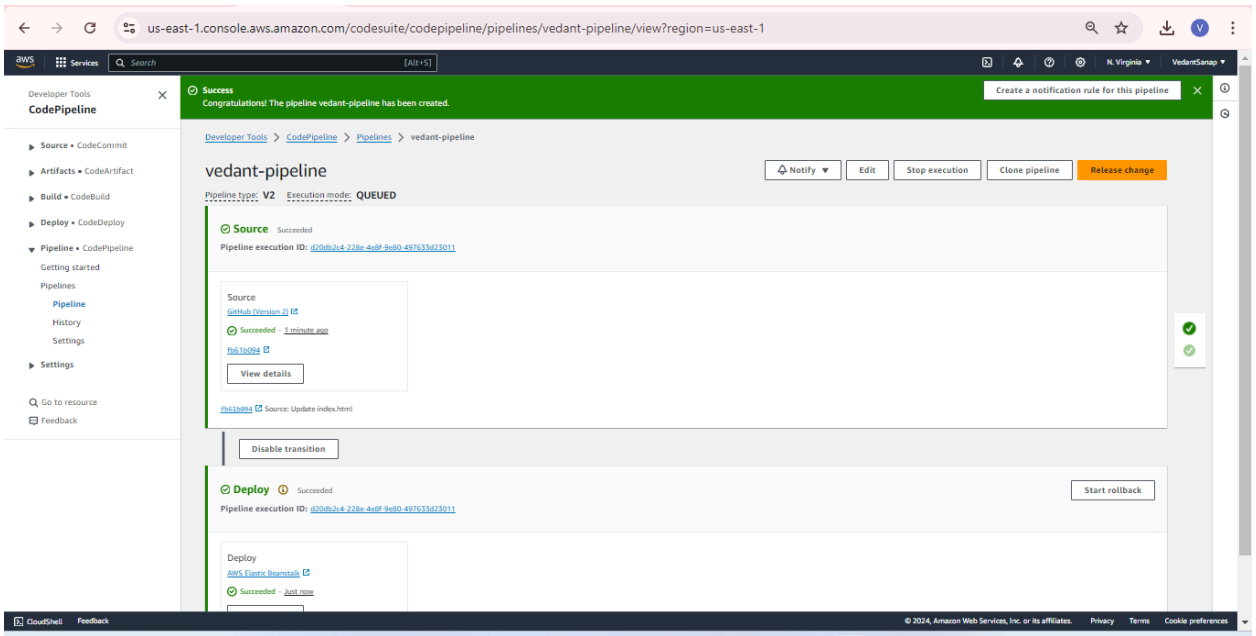

Skip build stage
Your pipeline will not include a build stage. Are you sure you want to skip this stage?
Cancel
Skip


aws
Services
Search
[Alt+S]
Step 2
Add source stage
Step 3
Add build stage
Step 4
Add deploy stage
Step 5
Review
You cannot skip this stage
Pipelines must have at least two stages. Your second stage must be either a build or deployment stage. Choose a provider for either the build stage or deployment stage.
Deploy
Deploy provider
Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.
AWS Elastic Beanstalk
Region
US East (N. Virginia)
Input artifacts
Choose an input artifact for this action. Learn more
No more than 100 characters
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.
vedantapp
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.
Vedantapp-env
Configure automatic rollback on stage failure
Cancel
Previous
Next


us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=us-east-1
Services
Search
[Alt+S]
Trigger configuration
You can add additional pipeline triggers after the pipeline is created.
Trigger type
No filter
Step 3: Add build stage
Build action provider
Build stage
No build
Step 4: Add deploy stage
Deploy action provider
Deploy action provider
AWS Elastic Beanstalk
ApplicationName
vedantapp
EnvironmentName
Vedantapp-env
Configure automatic rollback on stage failure
Disabled
Cancel
Previous
Create pipeline


us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/vedant-pipeline/view?region=us-east-1
Developer Tools
CodePipeline
Success
Congratulations! The pipeline vedant-pipeline has been created.
Create a notification rule for this pipeline
Developer Tools > CodePipeline > Pipelines > vedant-pipeline
vedant-pipeline
Notify
Edit
Stop execution
Clone pipeline
Release change
Pipeline type: V2
Execution mode: QUEUED
Source
Succeeded
Pipeline execution ID: d20db2c4-228e-4e8f-9e80-497633d23011
View details
Disable transition
Deploy
Succeeded
Start rollback
Pipeline execution ID: d20db2c4-228e-4e8f-9e80-497633d23011
AWS Elastic Beanstalk
Succeeded - Just now
CloudShell
Feedback
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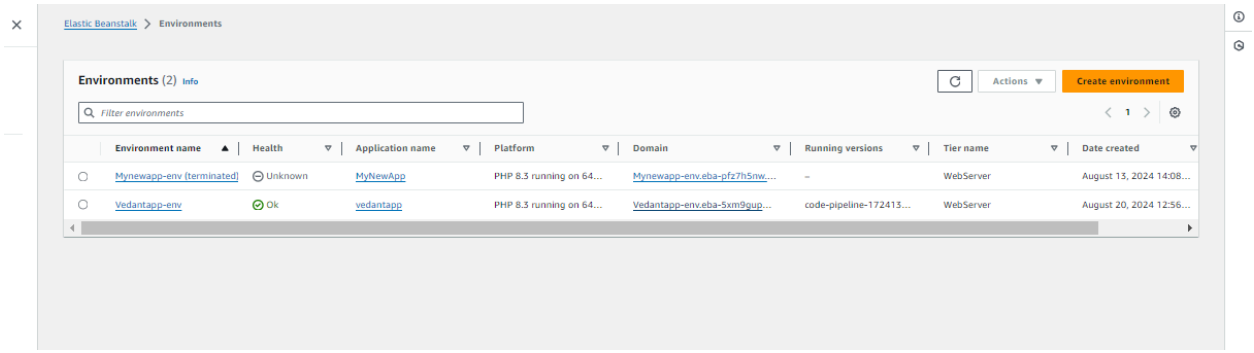
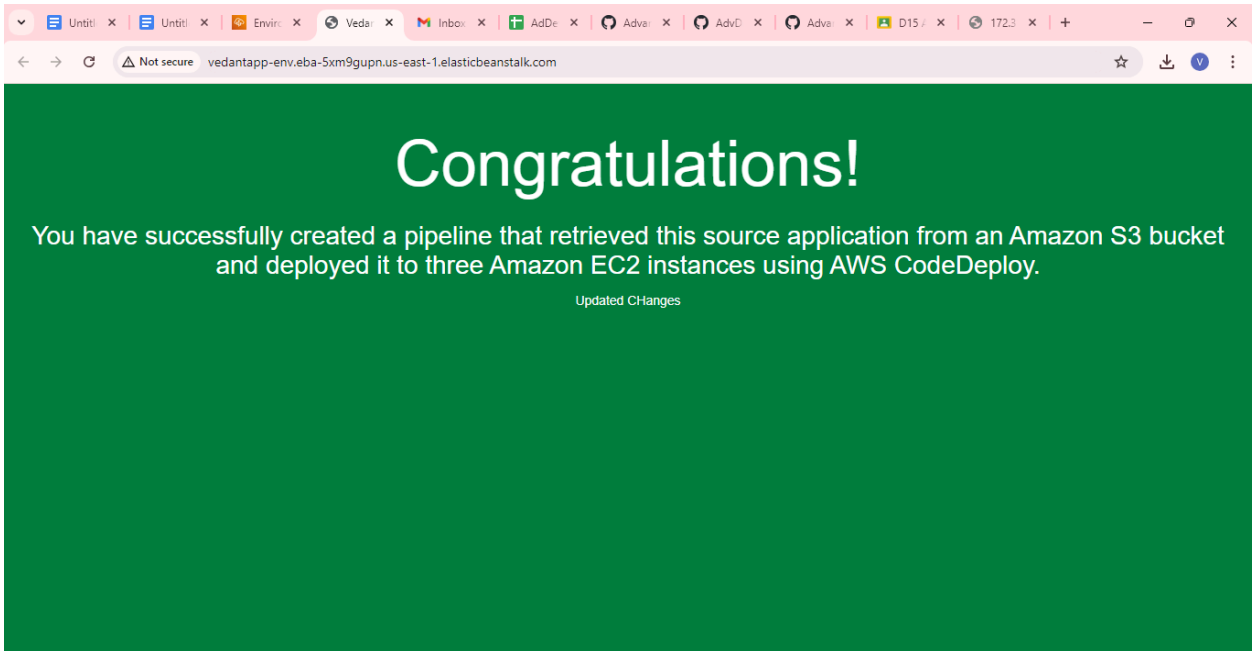
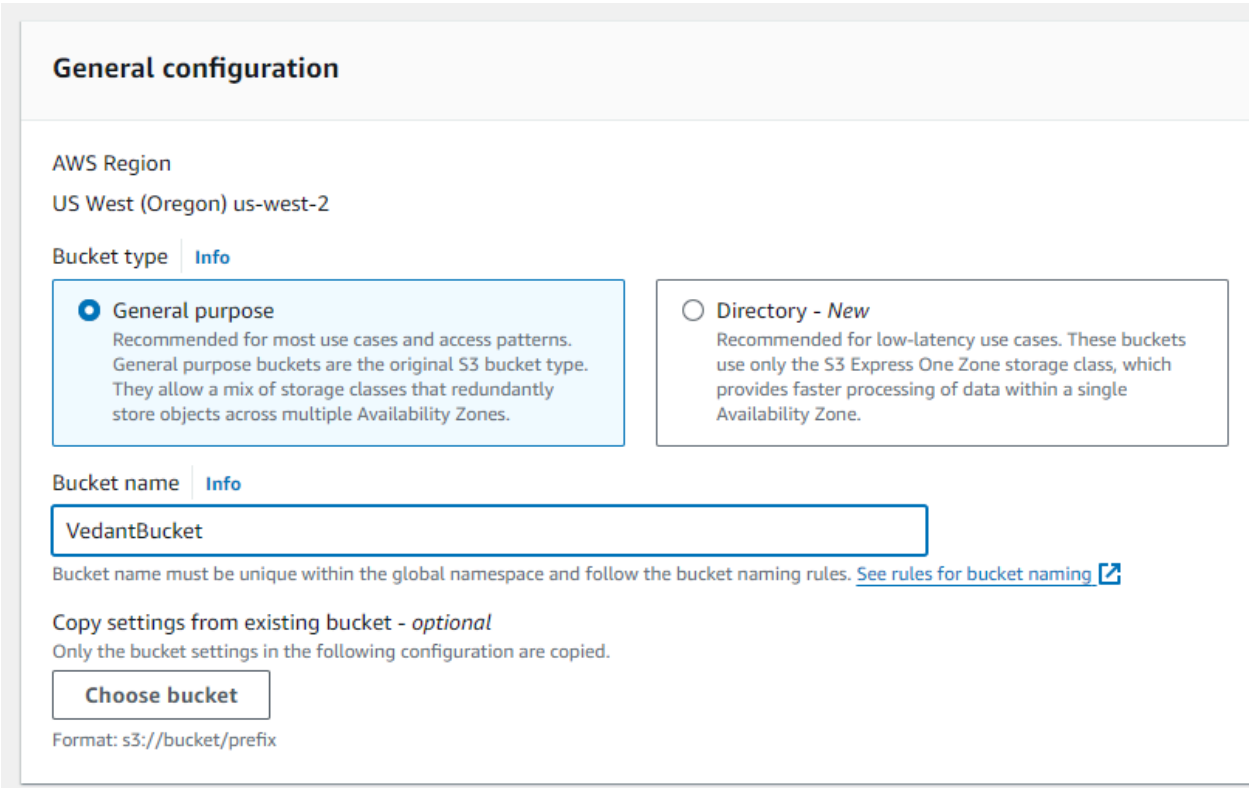
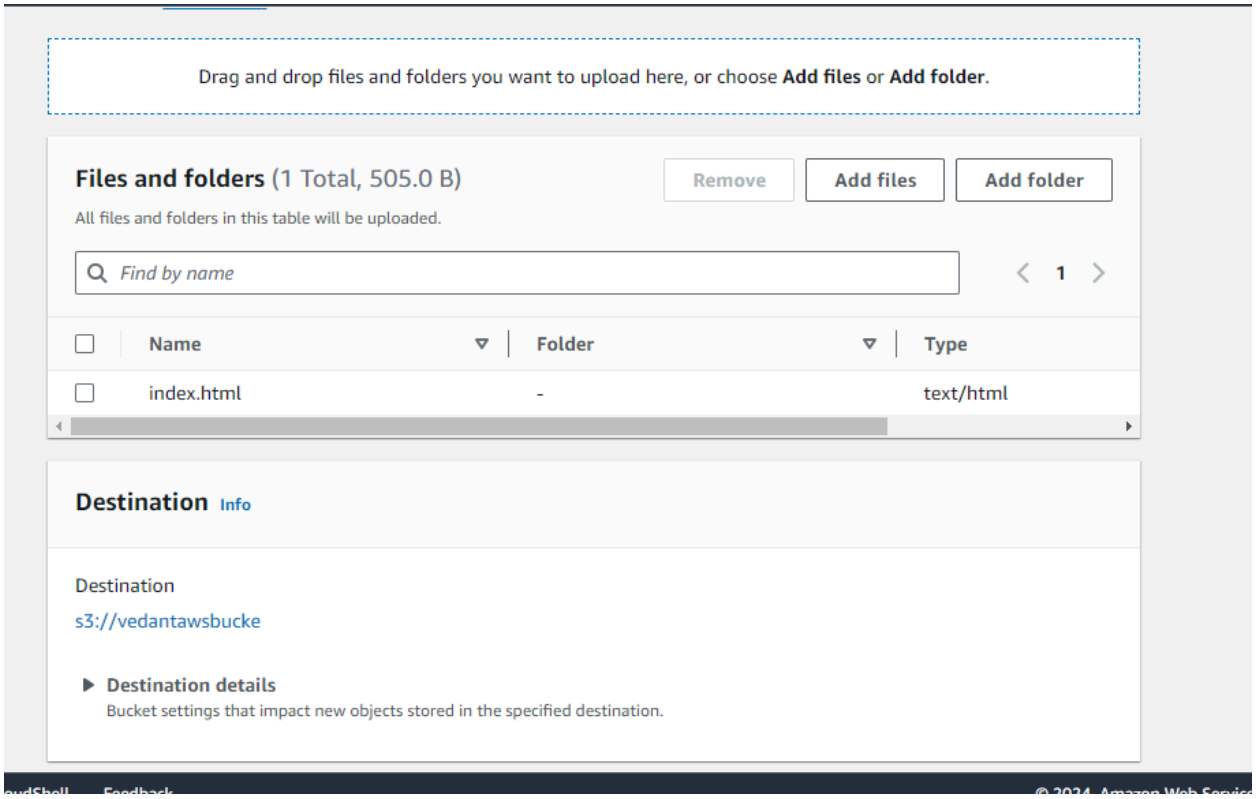
Privacy
Terms
Cookie preferences

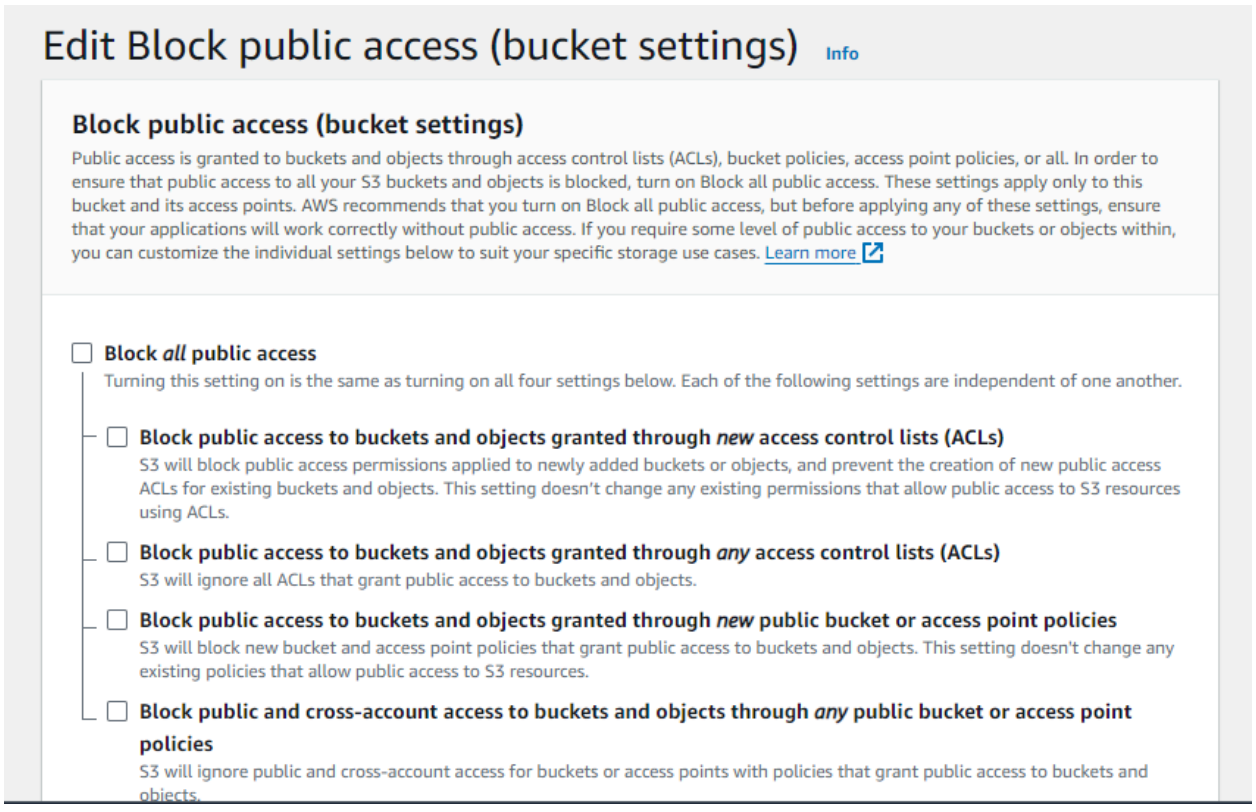

Elastic Beanstalk > Environments
Environments (2) Info
Actions
Create environment
Filter environments
Environment name
Health
Application name
Platform
Domain
Running versions
Tier name
Date created
Mynewapp-env (terminated)
Unknown
MyNewApp
PHP 8.3 running on 64...
Mynewapp-env.eba-pfz7h5nw....
–
WebServer
August 13, 2024 14:08...
Vedantapp-env
Ok
vedantapp
PHP 8.3 running on 64...
Vedantapp-env.eba-5xm9gup...
code-pipeline-172413...
WebServer
August 20, 2024 12:56...

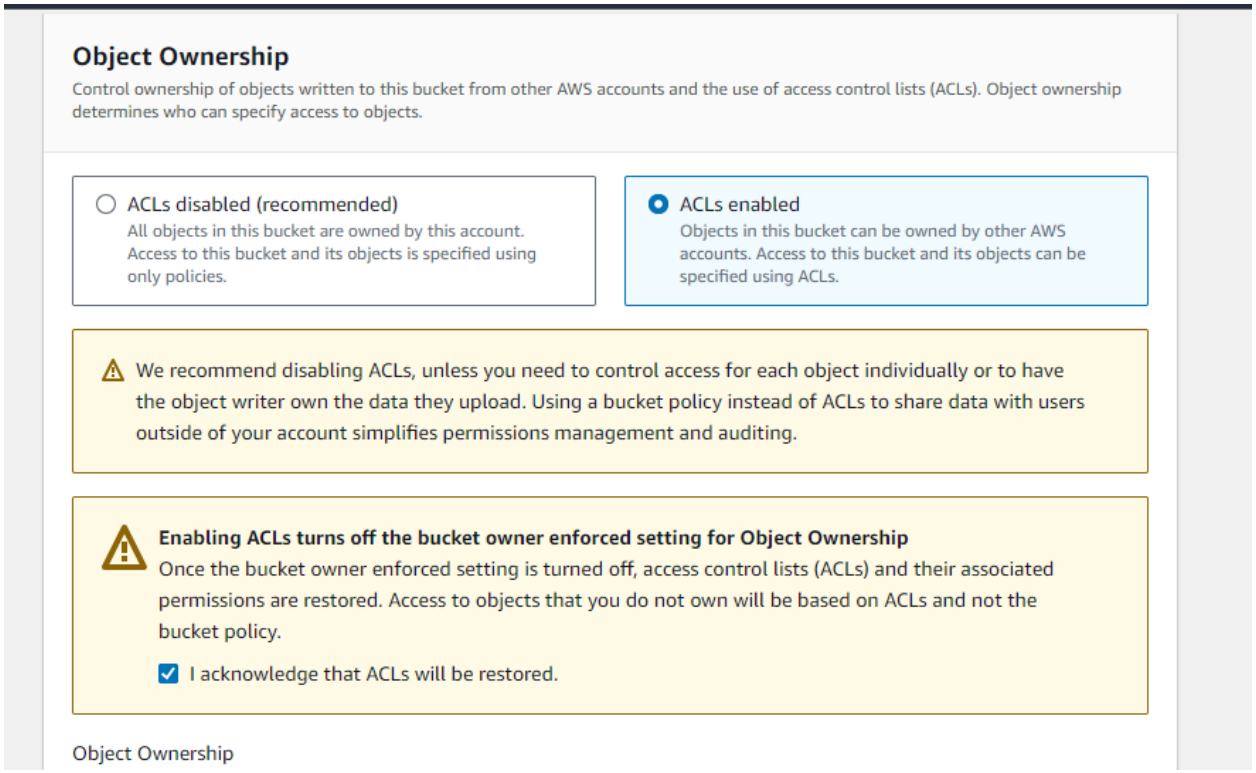

Not secure
vedantapp-env.eba-5xm9gupn.us-east-1.elasticbeanstalk.com
Congratulations!
You have successfully created a pipeline that retrieved this source application from an Amazon S3 bucket and deployed it to three Amazon EC2 instances using AWS CodeDeploy.
Updated CHanges

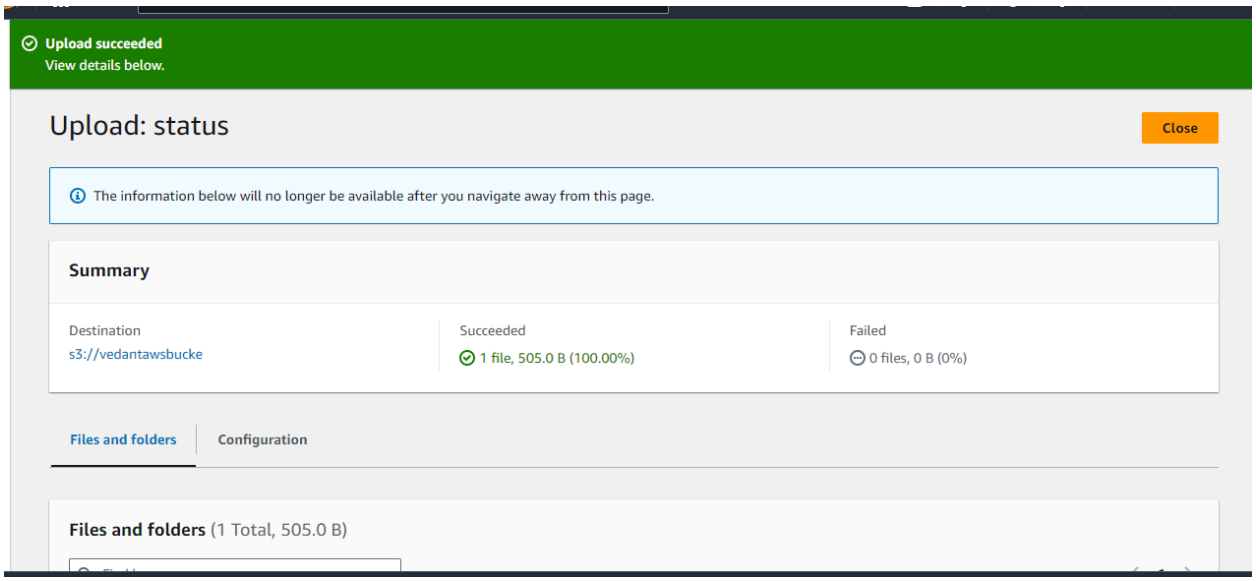
S3 Bucket :

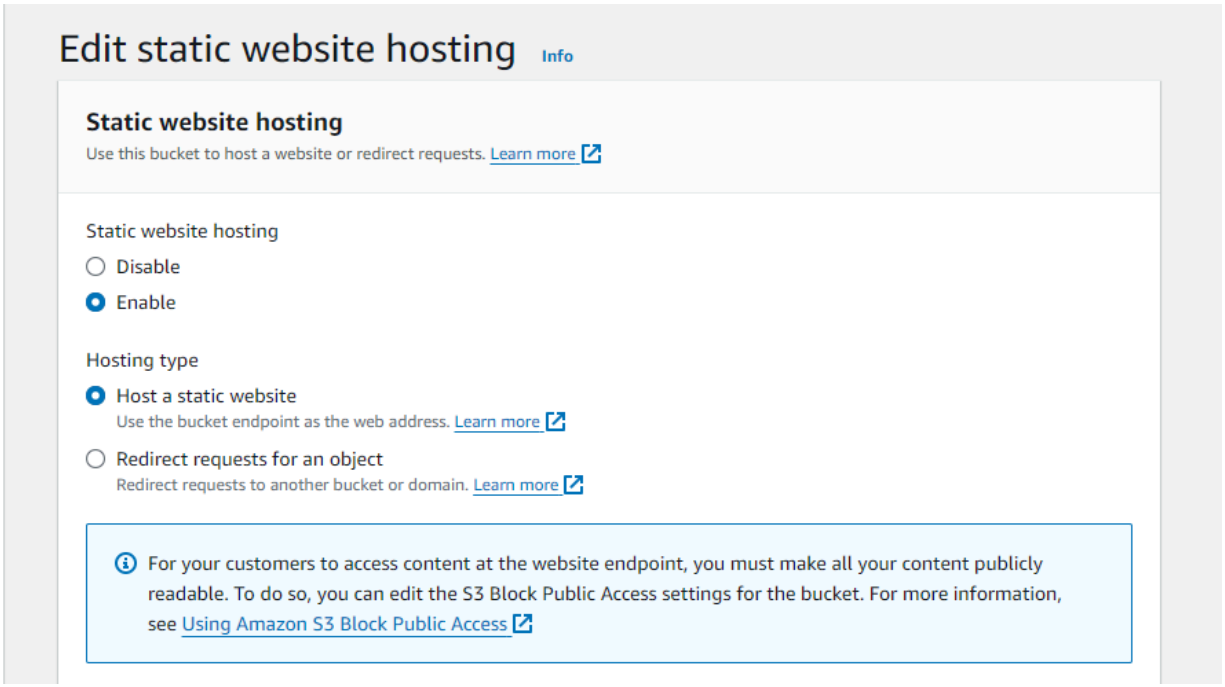

General configuration
AWS Region
US West (Oregon) us-west-2
Bucket type
Info
General purpose
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.
Directory - New
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.
Bucket name
Info
VedantBucket
Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming
Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
Choose bucket
Format: s3://bucket/prefix

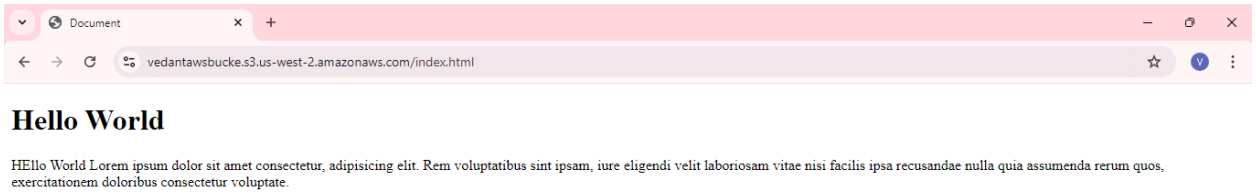

Drag and drop files and folders you want to upload here, or choose Add files or Add folder.
Files and folders (1 Total, 505.0 B)
Remove
Add files
Add folder
All files and folders in this table will be uploaded.
Find by name
1
Name
Folder
Type
index.html
-
text/html
Destination Info
Destination
s3://vedantawsbucke
Destination details
Bucket settings that impact new objects stored in the specified destination.


Edit Block public access (bucket settings) Info
Block public access (bucket settings)
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more
Block all public access
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
Block public access to buckets and objects granted through new access control lists (ACLs)
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.
Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.


Object Ownership
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.
ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.
ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.
We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.
Enabling ACLs turns off the bucket owner enforced setting for Object Ownership
Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.
I acknowledge that ACLs will be restored.
Object Ownership


Upload succeeded
View details below.
Upload: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://vedantawsbucke
Succeeded
1 file, 505.0 B (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 Total, 505.0 B)


Edit static website hosting
Info
Static website hosting
Use this bucket to host a website or redirect requests. Learn more
Static website hosting
Disable
Enable
Hosting type
Host a static website
Use the bucket endpoint as the web address. Learn more
Redirect requests for an object
Redirect requests to another bucket or domain. Learn more
For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access


Document
vedantawsbucke.s3.us-west-2.amazonaws.com/index.html
Hello World
HEllo World Lorem ipsum dolor sit amet consectetur, adipisicing elit. Rem voluptatibus sint ipsam, iure eligendi velit laboriosam vitae nisi facilis ipsa recusandae nulla quia assumenda rerum quos, exercitationem doloribus consectetur voluptate.

EC2 :