St. Francis Institute of Technology, Mumbai-400 103
Department of Information Technology

A.Y. 2024-2025
Class: TE-ITA/B, Semester: V

Subject: **Advanced DevOps Lab**

Experiment – 3: To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy.

1. **Aim:** To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy.
2. **Objectives:** After study of this experiment, the student will be able to
   - Build an application using AWS CodeBuild and Deploy on S3 using CodePipeline.
   - Deploy an application on EC2 using AWS CodeDeploy.
3. **Outcomes:** After study of this experiment, the student will be able to
   - Build an application using AWS CodeBuild and Deploy on S3 using CodePipeline.
   - Deploy an application on EC2 using AWS CodeDeploy.
4. **Prerequisite:** Fundamentals of cloud computing
5. **Requirements:** PC and Internet
6. **Pre-Experiment Exercise:**

Brief Theory:

AWS CodePipeline:

AWS CodePipeline is a continuous delivery service you can use to model, visualize, and automate the steps required to release your software. You can quickly model and configure the different stages of a software release process. CodePipeline automates the steps required to release your software changes continuously.

CICD:

odePipeline is a *continuous delivery* service that automates the building, testing, and deployment of your software into production.

Continuous delivery is a software development methodology where the release process is automated. Every software change is automatically built, tested, and deployed to production. Before the final push to production, a person, an automated test, or a business rule decides when the final push should occur. Although every successful software change can be immediately released to production with continuous delivery, not all changes need to be released right away.

Continuous integration is a software development practice where members of a team use a version control system and frequently integrate their work to the same location, such as a main branch. Each change is built and verified to detect integration errors as quickly as possible. Continuous integration is focused on automatically building and testing code, as compared to *continuous delivery*, which automates the entire software release process up to production.

Features:

You can use CodePipeline to help you automatically build, test, and deploy your applications in the cloud. Specifically, you can:

1. **Automate your release processes**: CodePipeline fully automates your release process from end to end, starting from your source repository through build, test, and deployment. You can prevent changes from moving through a pipeline by including a manual approval action in any stage except a Source stage. You can release when you want, in the way you want, on the systems of your choice, across one instance or multiple instances.
2. **Establish a consistent release process**: Define a consistent set of steps for every code change. CodePipeline runs each stage of your release according to your criteria.
3. **Speed up delivery while improving quality**: You can automate your release process to allow your developers to test and release code incrementally and speed up the release of new features to your customers.
4. **Use your favorite tools**: You can incorporate your existing source, build, and deployment tools into your pipeline. For a full list of AWS services and third-party tools currently supported by CodePipeline..
5. **View progress at a glance**: You can review real-time status of your pipelines, check the details of any alerts, retry failed actions, view details about the source revisions used in the latest pipeline execution in each stage, and manually rerun any pipeline.
6. **View pipeline history details**: You can view details about executions of a pipeline, including start and end times, run duration, and execution IDs.

You will create the pipeline using AWS CodePipeline, a service that builds, tests, and deploys your code every time there is a code change. You will use your GitHub account, an Amazon Simple Storage Service (S3) bucket, or an AWS CodeCommit repository as the source location for the sample app's code. You will also use AWS Elastic Beanstalk as the deployment target for the sample app. Your completed pipeline will be able to detect changes made to the source

repository containing the sample app and then automatically update your live sample app.

7. Laboratory Exercise

1) To simplify the process of setting up and configuring EC2 instances, you will spin up a sample environment using AWS Elastic Beanstalk. Elastic Beanstalk lets you easily host web applications without needing to launch, configure, or operate virtual servers on your own. It automatically provisions and operates the infrastructure (e.g. virtual servers, load balancers, etc.) and provides the application stack (e.g. OS, language and framework, web and application server, etc.) for you. Your continuous deployment pipeline will need a target environment containing virtual servers, or Amazon EC2 instances, where it will deploy sample code. You will prepare this environment before

creating the pipeline.

Step1: Create a deployment environment

Step 2: Get the copy of Sample Code

In this step you will retrieve the sample app's code and choose a source to host the code. Pipeline takes the code and performs actions on it.

You can use three options.

- GitHub Repository
- Amazon S3 Bucket
- AWS CodeCommit Repository

Open Amazon S3 console and Create your S3 Bucket:

- Create Bucket
- Upload the code to Bucket
- Select Bucket and Click on Upload (Right Corner)
- Add Files --→ upload zip file from downloads of your computer. Click on Upload Button

Step 3: Create Pipeline

In this step, you will create and configure a simple pipeline with two actions: source and deploy. You will provide CodePipeline with the locations of your source repository and deployment environment.

Create new pipeline:
Source Provider = Amazon S3,
Bucket = YourBucketName,
S3 Object Key = Copy S3 Uri from Amazon S3 bucket.

Add Deploy Stage:

Review the settings and create the pipeline.

Add deploy stage and Give details :
Deployement provider : AWS Elastic Beanstalk,
Region,
Application Name and Environment Name…(Auto suggested.)

Pipeline created successfully.

After your pipeline is created, the pipeline status page appears and the pipeline automatically starts to run. You can view progress as well as success and failure messages as the pipeline perform each action.

To verify your pipeline ran successfully, monitor the progress of the pipeline as it moves through each stage. The status of each stage will change from No executions yet to In Progress, and then to either Succeeded or Failed. The pipeline should complete the first run within a few minutes.
Now go to your EBS environment and click on the URL to view the sample website you deployed.

Step 4: Activate your pipeline to deploy your code

Step 5: Commit a change and then update your app
In this step, you will revise the sample code and commit the change to your repository.
CodePipeline will detect your updated sample code and then automatically initiate deploying it to

1. Visit your copy of the repository that you forked in GitHub.
   - Open index.html
   - Select edit icon

2. Update the webpage text on line 30.

3. Commit the change to the repository.

4. Return to the pipeline in the CodePipeline console. In a few minutes, the Source changes to blue, indicating that the pipeline has detected the changes made to the source repository. Once this occurs, it will automatically move the updated code to Elastic Beanstalk.

   - After the pipeline status displays Succeeded, in the status area for the Beta stage, click AWS Elastic Beanstalk.

5. The AWS Elastic Beanstalk console opens with the details of the deployment. Select the environment you created earlier. And click the URL again from EBS environment again.

Step 6: Clean up the resources

To avoid future charges, you will delete all the resources you launched which includes the pipeline, the Elastic Beanstalk application, and the source you set up to host the code.
First, you will delete your pipeline:

- In the pipeline view, click Edit.
- Click Delete.
- Type in the name of your pipeline and click Delete.

Second, delete your Elastic Beanstalk application:

- Visit the Elastic Beanstalk console.
- Click Actions.
- Then click Terminate Environment.
- We have successfully created an automated software release pipeline using AWS CodePipeline! Using CodePipeline, We created a pipeline that uses GitHub, Amazon S3, or AWS CodeCommit as the source location for application code and then deploys the code to an Amazon EC2 instance managed by AWS Elastic Beanstalk. Pipeline will automatically deploy your code every time there is a code change.

8. Post-Experiments Exercise

A. Extended Theory:

- Deploy Web Application using Elastic BeanStalk
- AWS Storage Service: S3

B. Questions:

Q.1 Does AWS Elastic Beanstalk store anything in Amazon S3?
Q.2 What database solutions can we use with AWS Elastic Beanstalk?

C. Conclusion:

Write the significance of the topic studied in the experiment.

D. References:

A. https://aws.amazon.com/elasticbeanstalk/faqs/#

B. https://docs.aws.amazon.com/AmazonS3/latest/userguide/UsingBucket.html

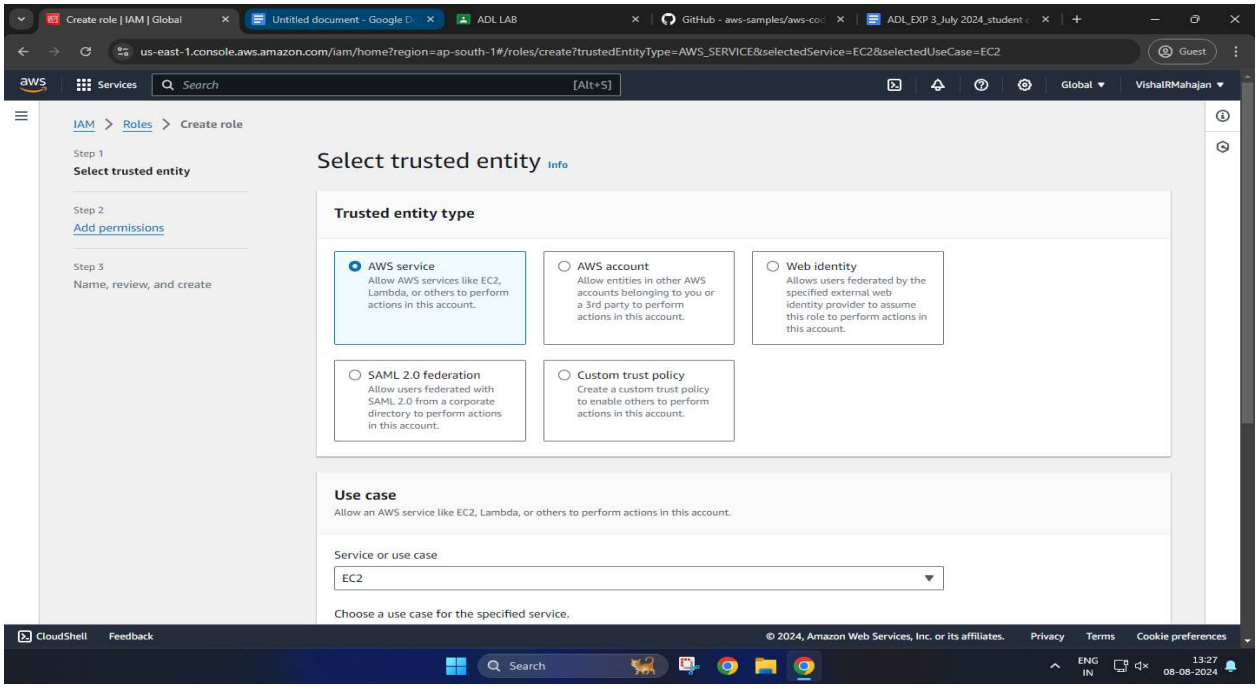
---

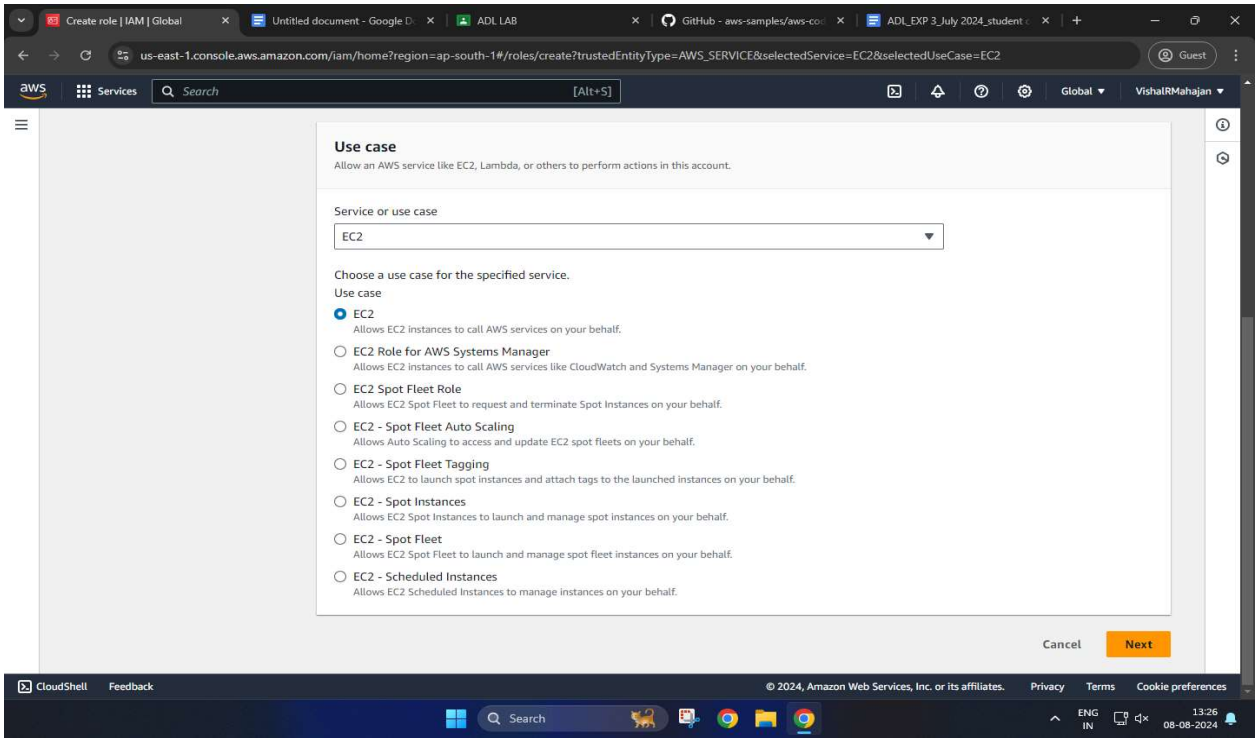
Name: Vishal Rajesh Mahajan ADL EXP 03

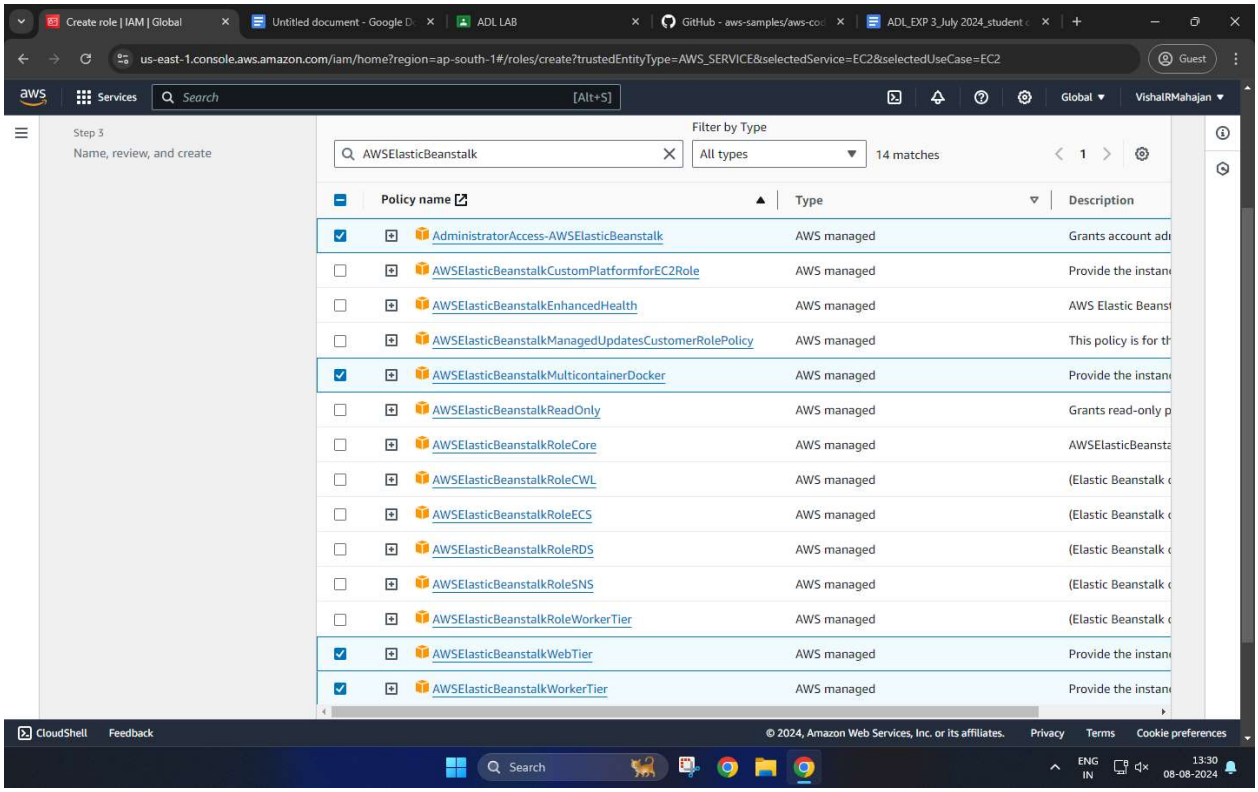
Class: TE IT A Roll No: 62

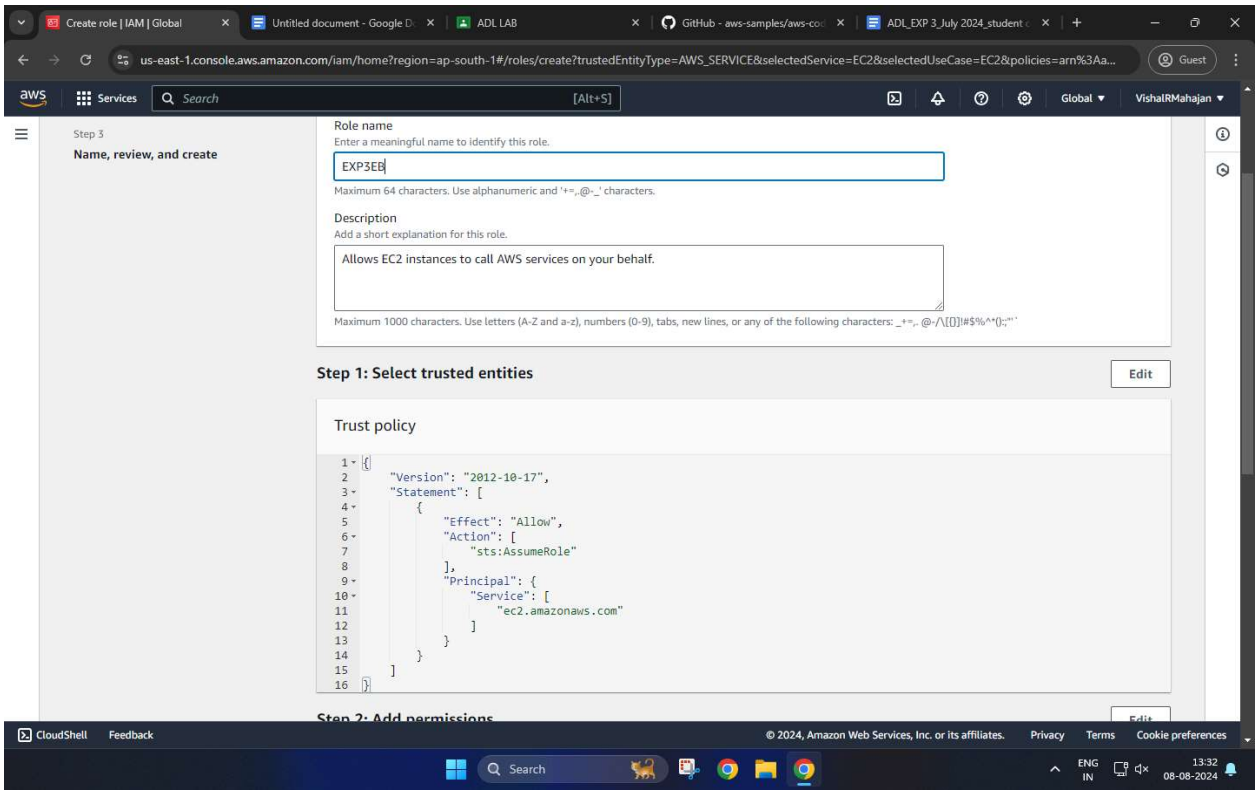
In-Lab Exercise:

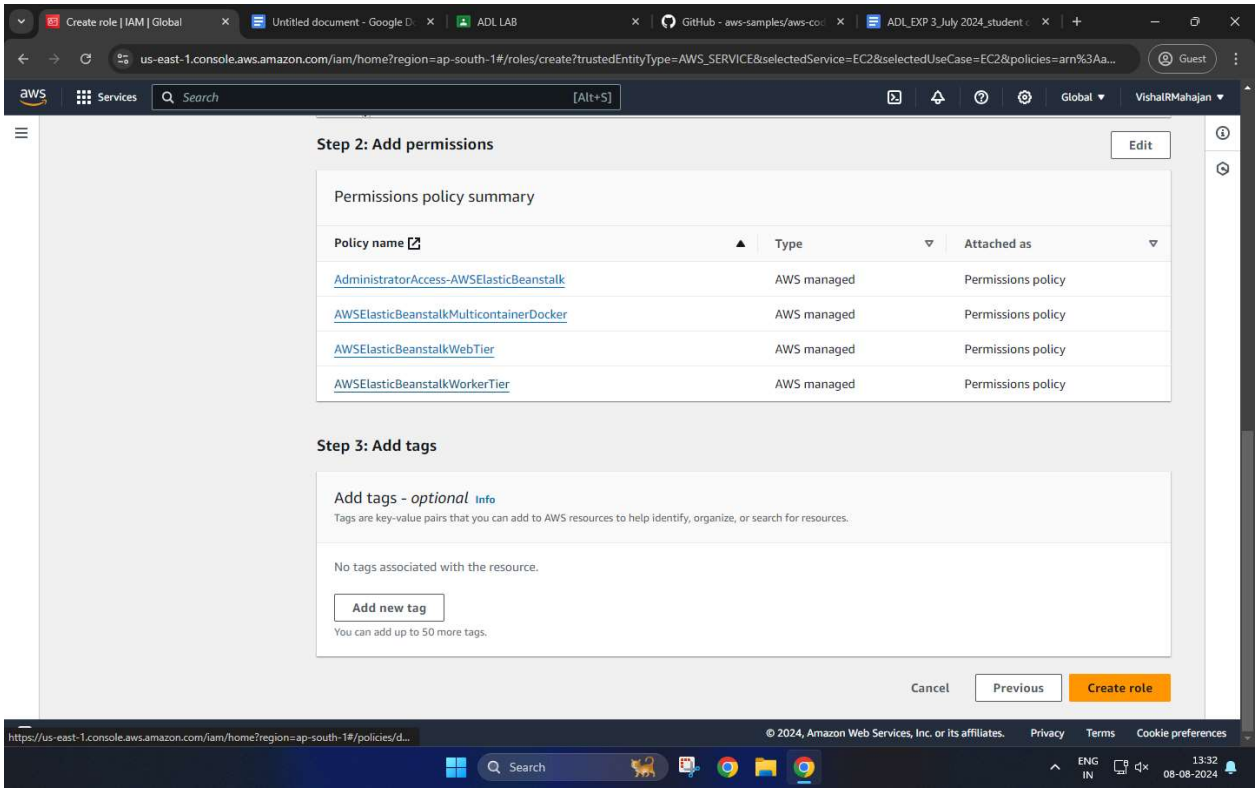
1. We will start by creating a Role for EC2. Go to IAM then roles then Create Role and Fill the Form as follows:



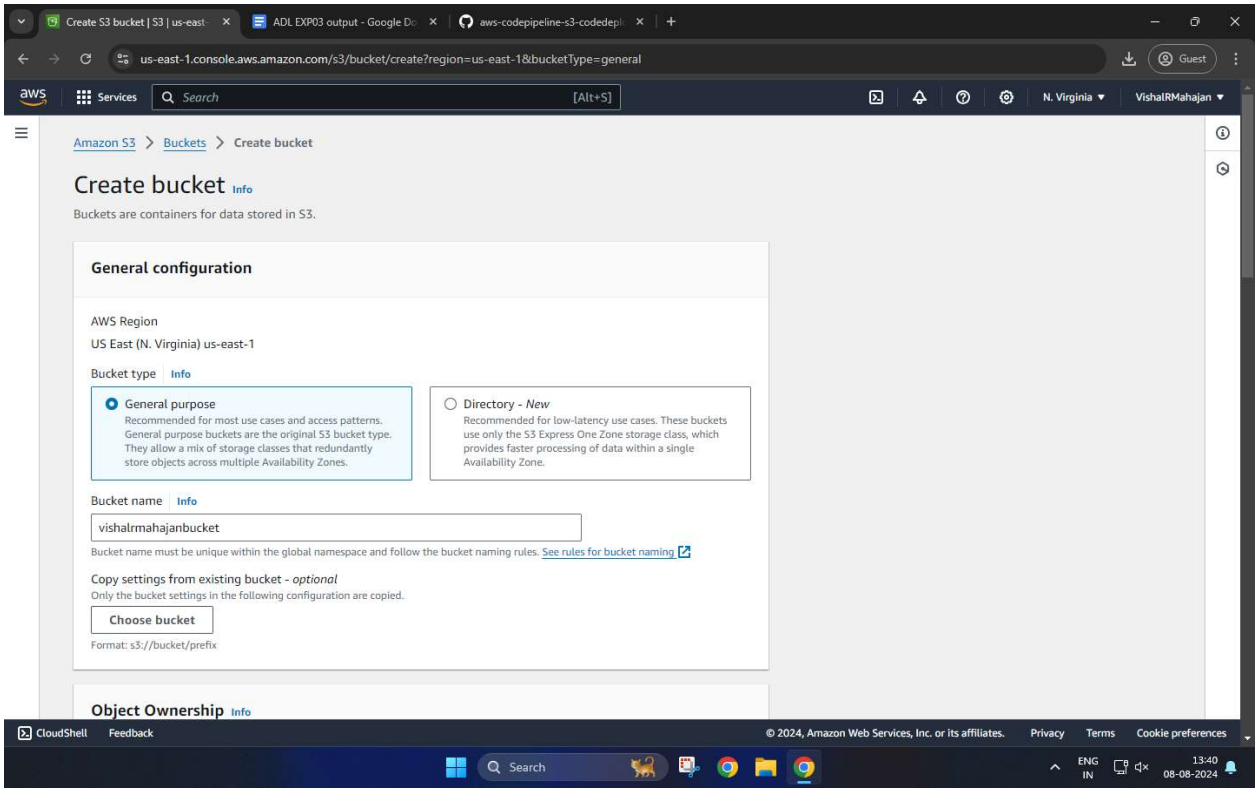


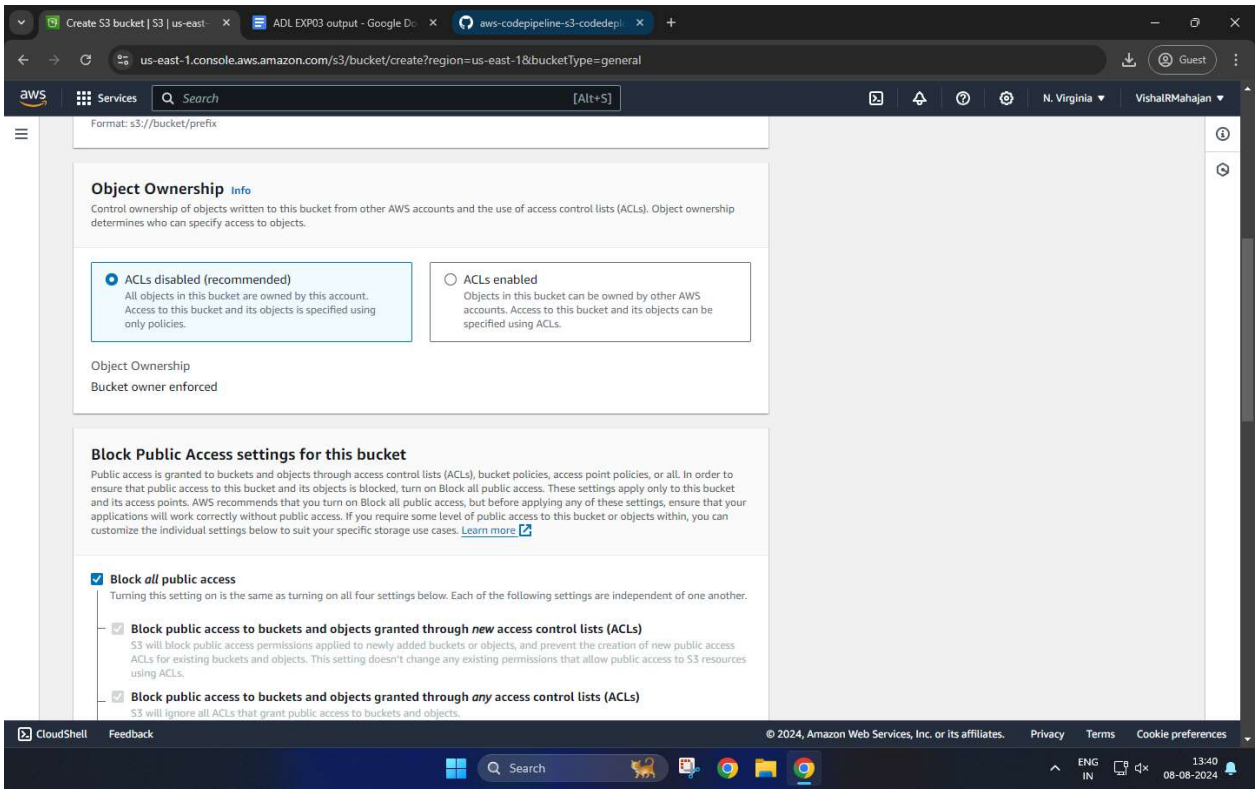

Create role | IAM | Global
Untitled document - Google D
ADL LAB
GitHub - aws-samples/aws-co
ADL_EXP 3_July 2024_student
us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=EC2&selectedUseCase=EC2
Guest
aws
Services
Search
[Alt+S]
Global
VishalRMahajan
Step 3
Name, review, and create
Filter by Type
AWSElasticBeanstalk
All types
14 matches
1
Policy name
Type
Description
AdministratorAccess-AWSElasticBeanstalk
AWS managed
Grants account ad
AWSElasticBeanstalkCustomPlatformforEC2Role
AWS managed
Provide the instan
AWSElasticBeanstalkEnhancedHealth
AWS managed
AWS Elastic Beanst
AWSElasticBeanstalkManagedUpdatesCustomerRolePolicy
AWS managed
This policy is for th
AWSElasticBeanstalkMulticontainerDocker
AWS managed
Provide the instan
AWSElasticBeanstalkReadOnly
AWS managed
Grants read-only p
AWSElasticBeanstalkRoleCore
AWS managed
AWSElasticBeansta
AWSElasticBeanstalkRoleCWL
AWS managed
(Elastic Beanstalk
AWSElasticBeanstalkRoleECS
AWS managed
(Elastic Beanstalk
AWSElasticBeanstalkRoleRDS
AWS managed
(Elastic Beanstalk
AWSElasticBeanstalkRoleSNS
AWS managed
(Elastic Beanstalk
AWSElasticBeanstalkRoleWorkerTier
AWS managed
(Elastic Beanstalk
AWSElasticBeanstalkWebTier
AWS managed
Provide the instan
AWSElasticBeanstalkWorkerTier
AWS managed
Provide the instan
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:30
08-08-2024

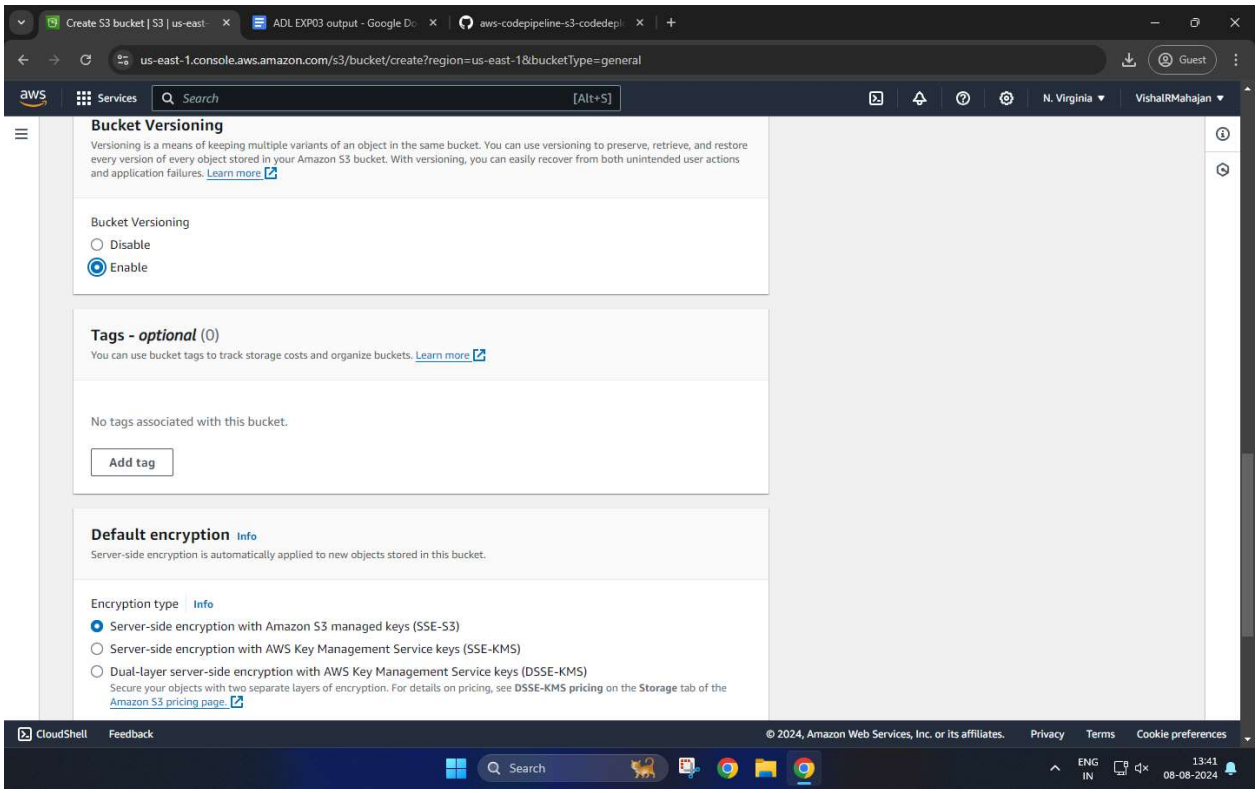

Create role | IAM | Global
Untitled document - Google D
ADL LAB
GitHub - aws-samples/aws-co
ADL_EXP 3_July 2024_student
us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=EC2&selectedUseCase=EC2&policies=arn%3Aa...
Guest
aws
Services
Search
[Alt+S]
Global
VishalRMahajan
Step 3
Name, review, and create
Role name
Enter a meaningful name to identify this role.
EXP3EB
Maximum 64 characters. Use alphanumeric and '+=,.@-_' characters.
Description
Add a short explanation for this role.
Allows EC2 instances to call AWS services on your behalf.
Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: _+=,. @-/\[{}]!#$%^*();:"'`
Step 1: Select trusted entities
Edit
Trust policy
{
"Version": "2012-10-17",
"Statement": [
{
"Effect": "Allow",
"Action": [
"sts:AssumeRole"
],
"Principal": {
"Service": [
"ec2.amazonaws.com"
]
}
}
]
}
Step 2: Add permissions
Edit
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:32
08-08-2024

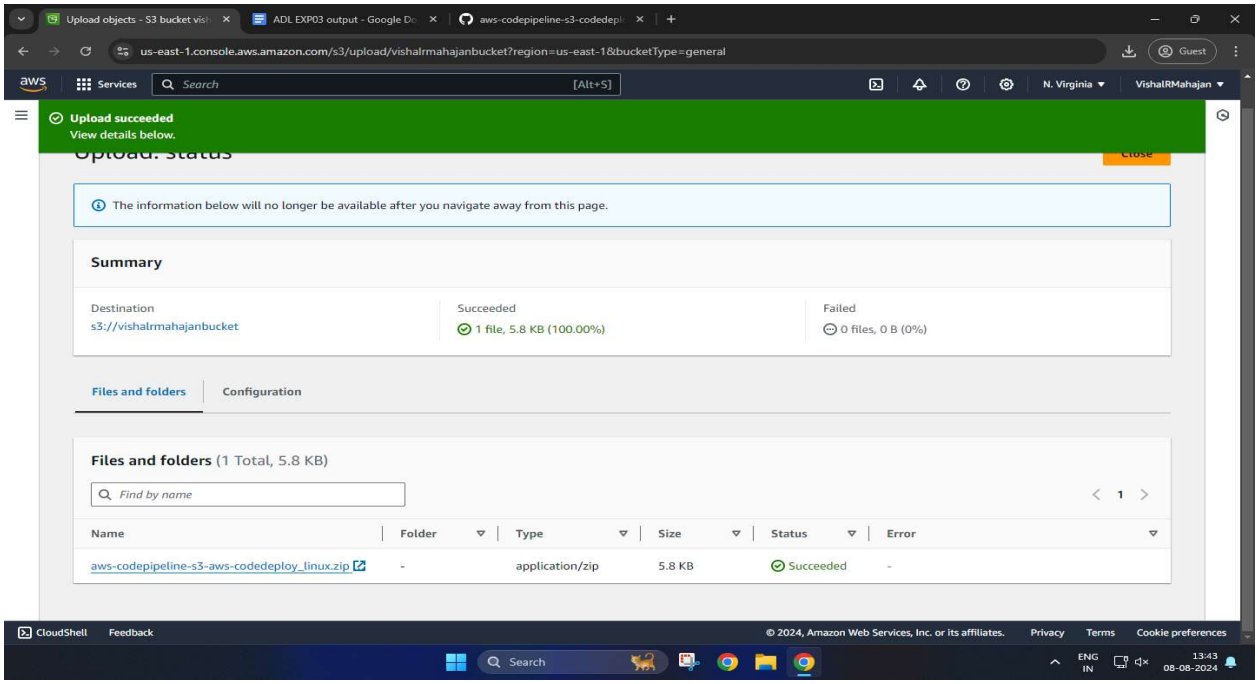


2. After Creating a Role for EC2. We will create a S3 bucket.

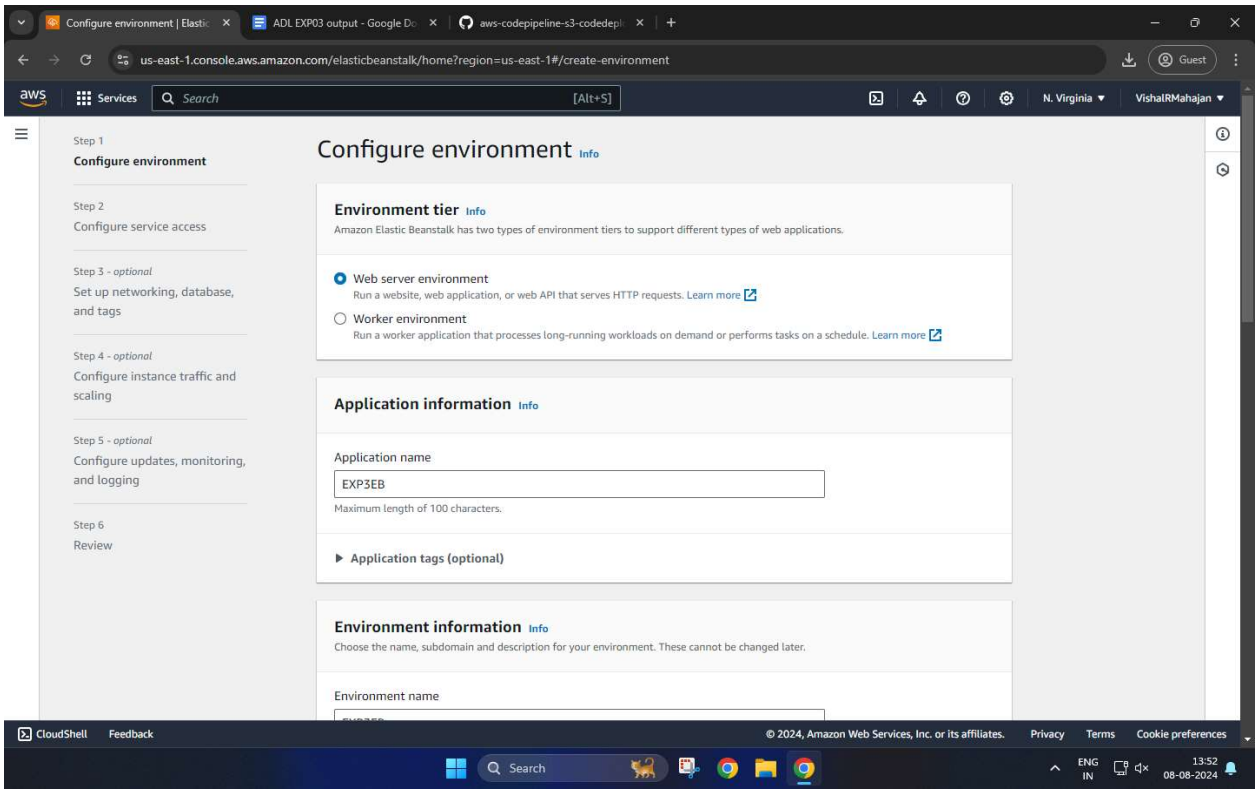


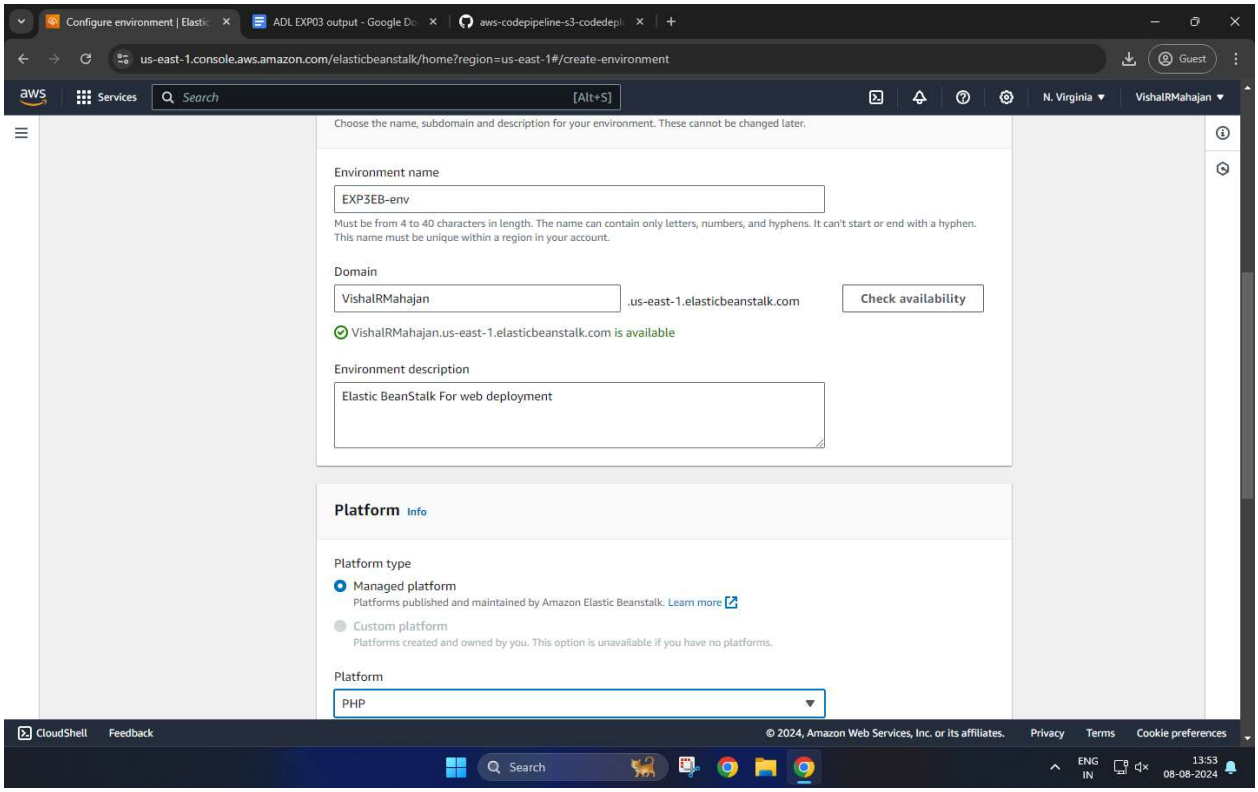

Create S3 bucket | S3 | us-east-
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Format: s3://bucket/prefix
Object Ownership Info
Control ownership 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.
Object Ownership
Bucket owner enforced
Block Public Access settings for this bucket
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 this bucket and its 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 this bucket 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.
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:40
08-08-2024

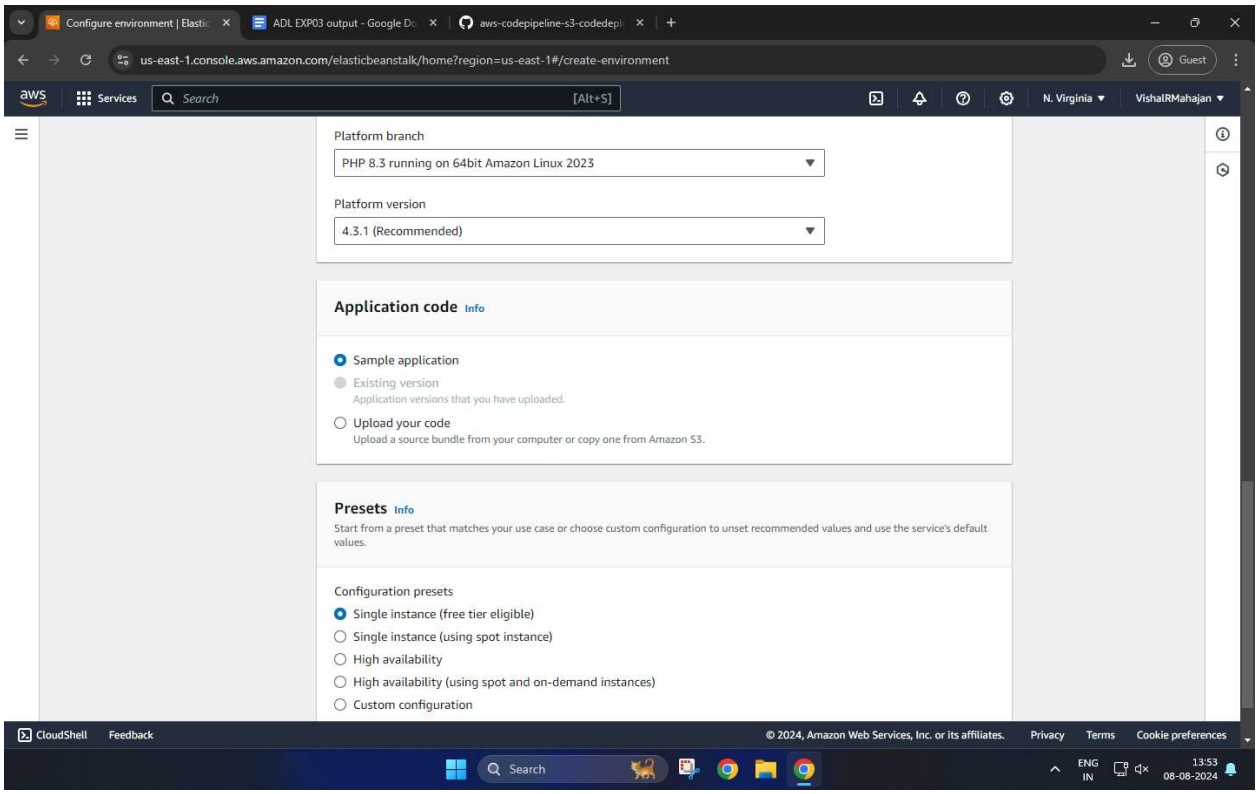

Create S3 bucket | S3 | us-east-
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more
Bucket Versioning
Disable
Enable
Tags - optional (0)
You can use bucket tags to track storage costs and organize buckets. Learn more
No tags associated with this bucket.
Add tag
Default encryption Info
Server-side encryption is automatically applied to new objects stored in this bucket.
Encryption type Info
Server-side encryption with Amazon S3 managed keys (SSE-S3)
Server-side encryption with AWS Key Management Service keys (SSE-KMS)
Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the Amazon S3 pricing page.
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:41
08-08-2024

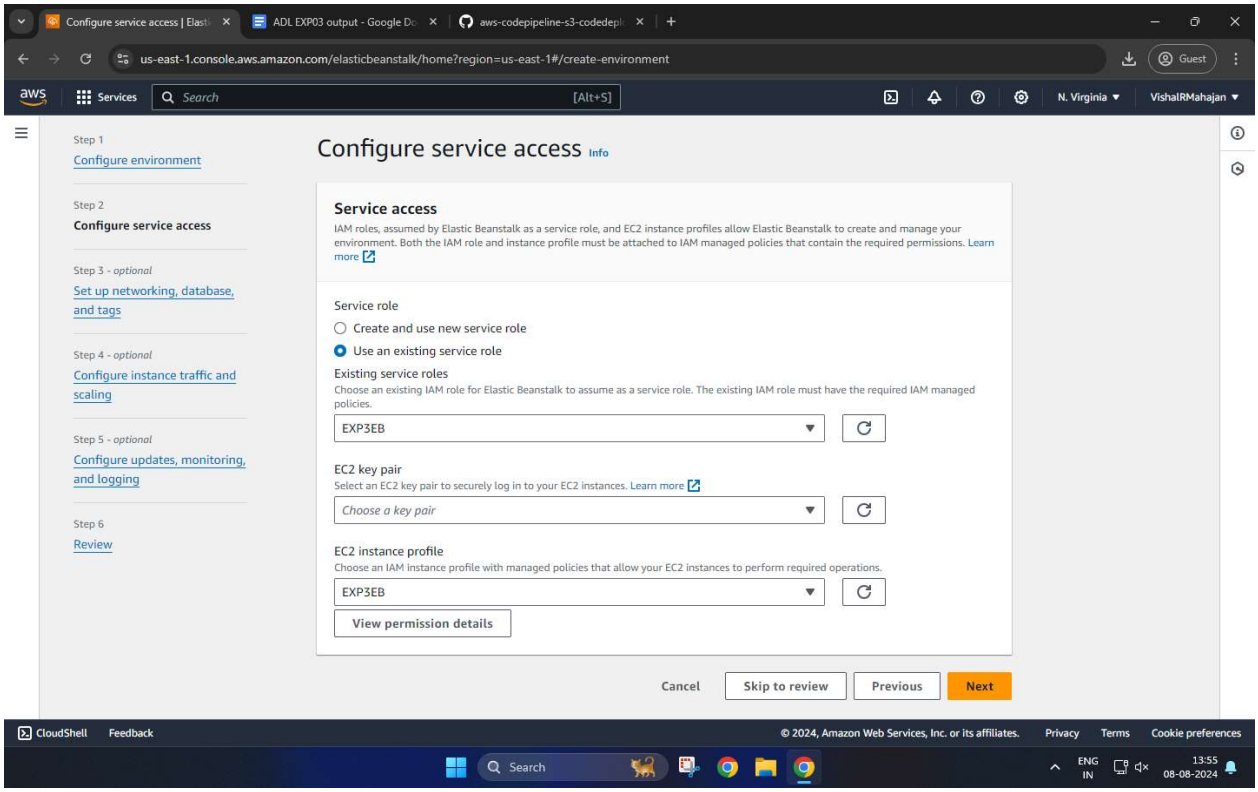


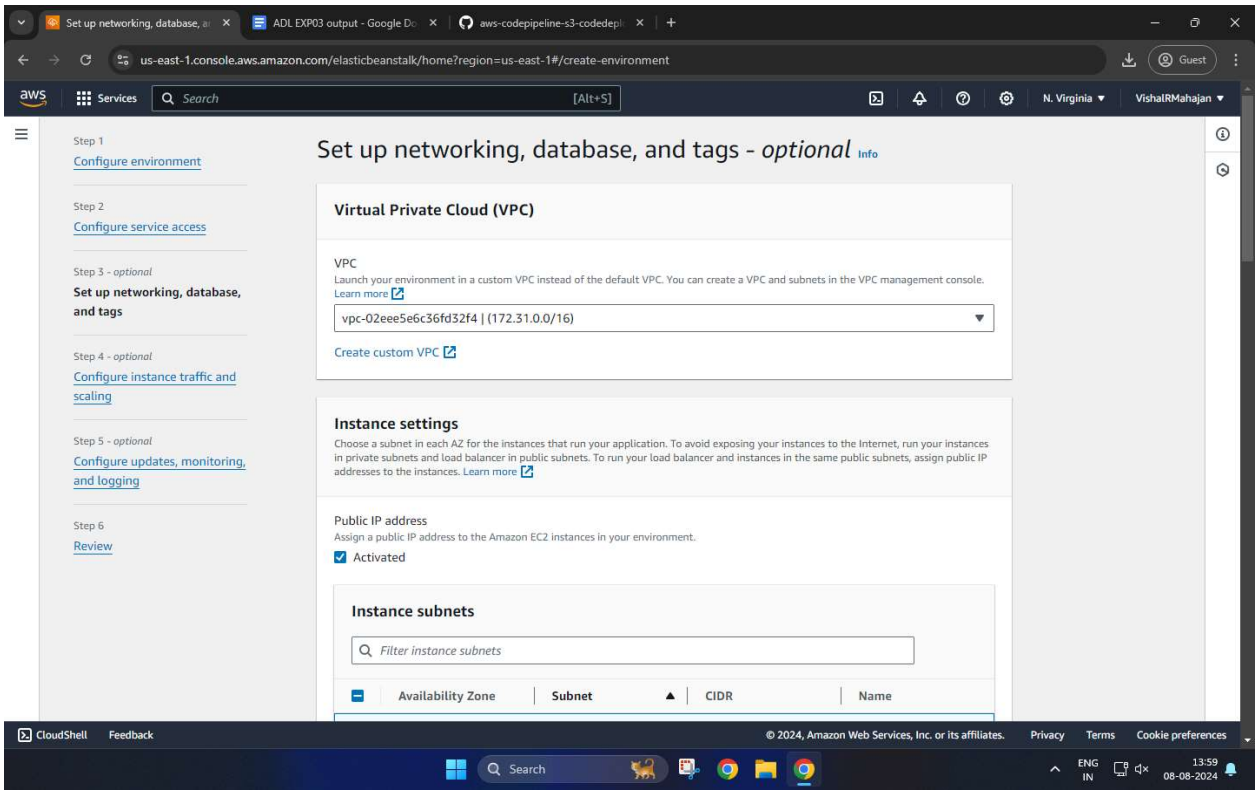
3. After Successfully creating a S3 Bucket, we will use Elastic BeanStalk Environment to simplify the process of setting up and Configuring EC2 Instances.

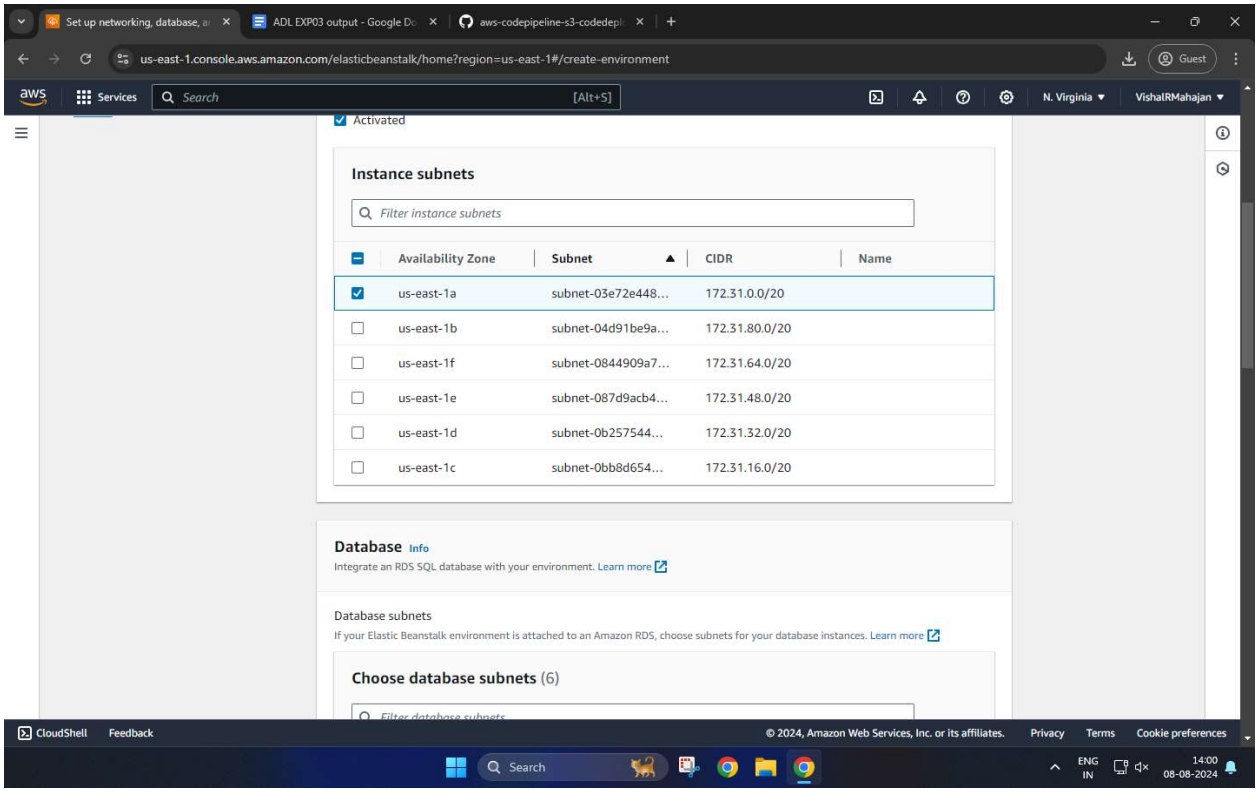


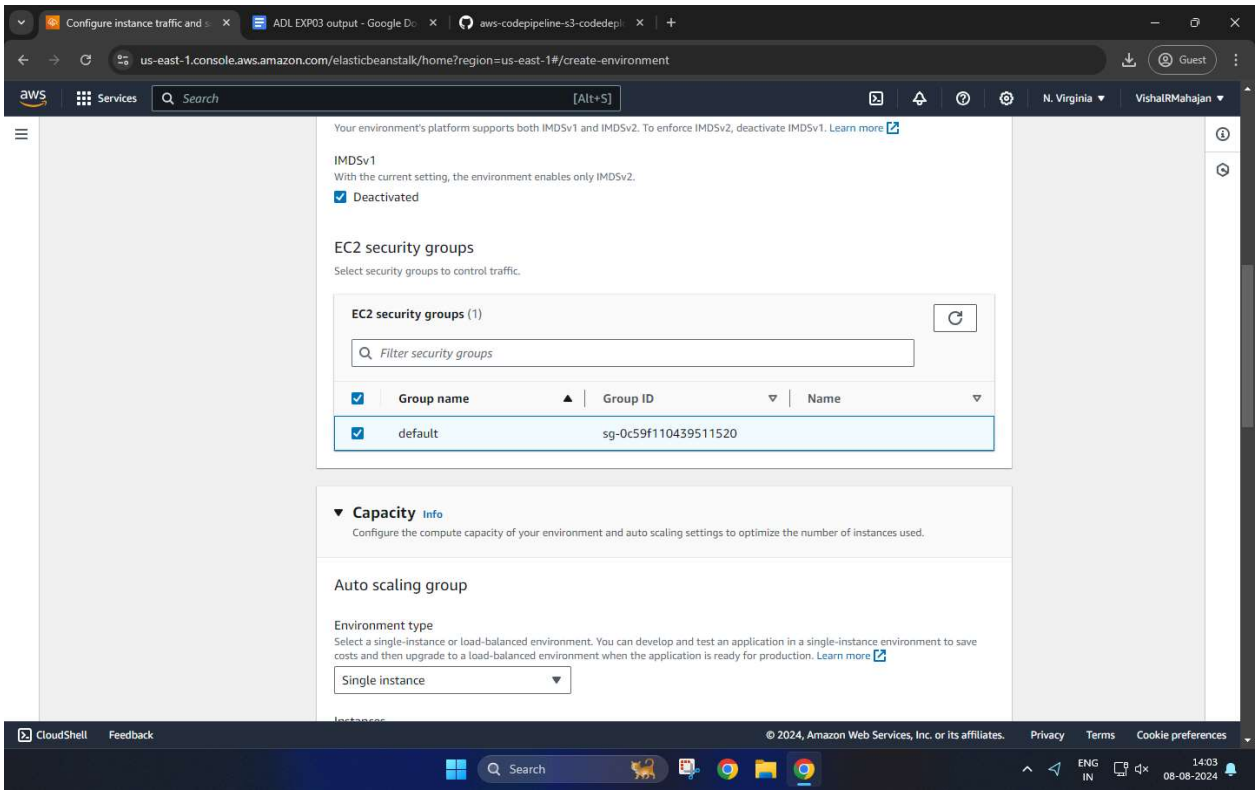

Configure environment | Elastic
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Choose the name, subdomain and description for your environment. These cannot be changed later.
Environment name
EXP3EB-env
Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.
Domain
VishalRMahajan
.us-east-1.elasticbeanstalk.com
Check availability
VishalRMahajan.us-east-1.elasticbeanstalk.com is available
Environment description
Elastic BeanStalk For web deployment
Platform Info
Platform type
Managed platform
Platforms published and maintained by Amazon Elastic Beanstalk. Learn more
Custom platform
Platforms created and owned by you. This option is unavailable if you have no platforms.
Platform
PHP
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:53
08-08-2024

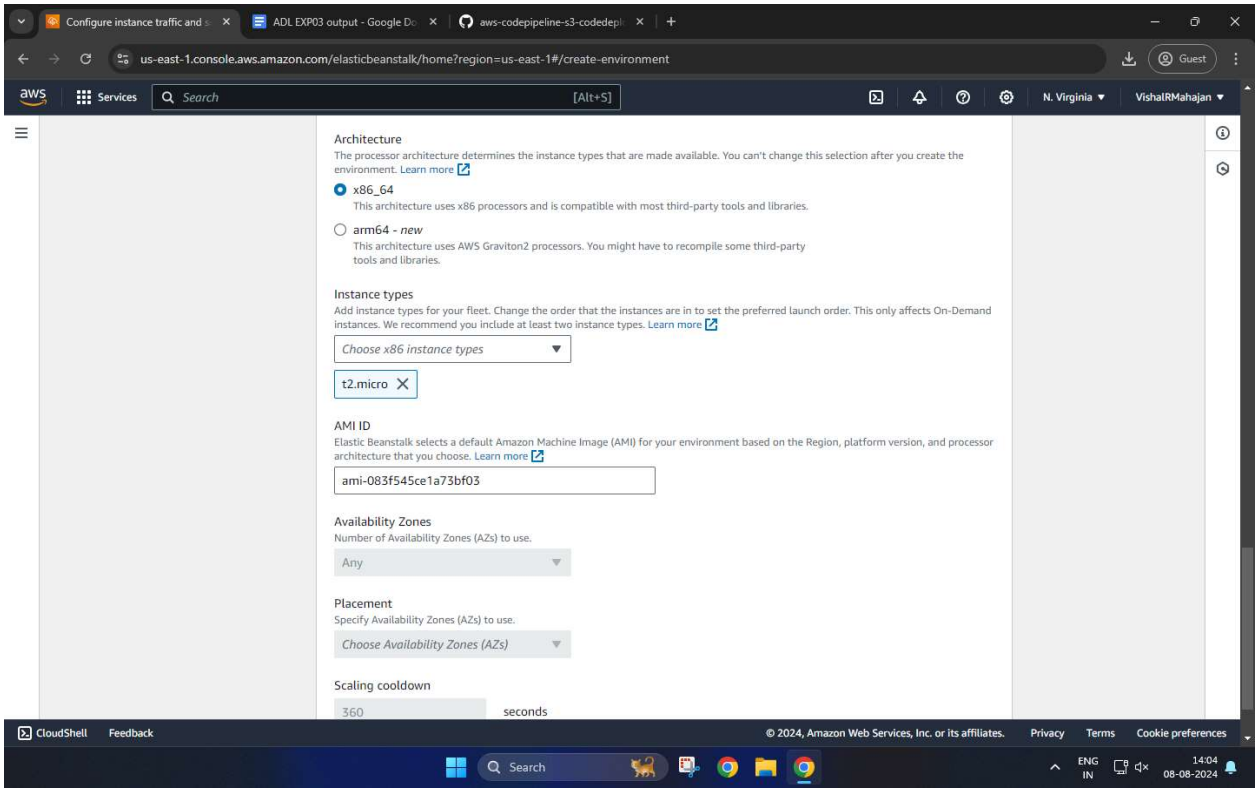

Configure environment | Elastic
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Platform branch
PHP 8.3 running on 64bit Amazon Linux 2023
Platform version
4.3.1 (Recommended)
Application code Info
Sample application
Existing version
Application versions that you have uploaded.
Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.
Presets Info
Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default values.
Configuration presets
Single instance (free tier eligible)
Single instance (using spot instance)
High availability
High availability (using spot and on-demand instances)
Custom configuration
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:53
08-08-2024

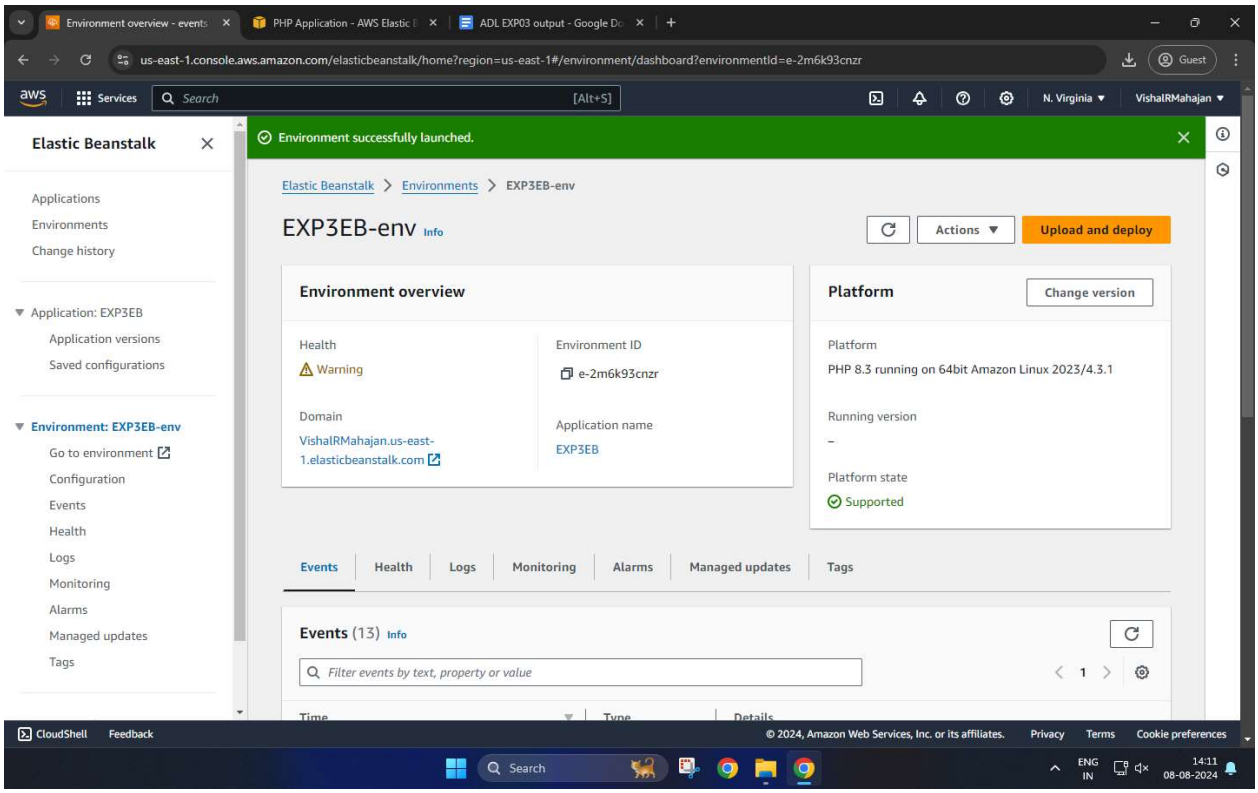

Configure service access | Elasti
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Step 1
Configure environment
Step 2
Configure service access
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.
EXP3EB
EC2 key pair
Select an EC2 key pair to securely log in to your EC2 instances. Learn more
Choose a key pair
EC2 instance profile
Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.
EXP3EB
View permission details
Cancel
Skip to review
Previous
Next
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:55
08-08-2024


Set up networking, database, a
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
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
Set up networking, database, and tags - optional Info
Virtual Private Cloud (VPC)
VPC
Launch your environment in a custom VPC instead of the default VPC. You can create a VPC and subnets in the VPC management console.
Learn more
vpc-02eee5e6c36fd32f4 | (172.31.0.0/16)
Create custom VPC
Instance settings
Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances. Learn more
Public IP address
Assign a public IP address to the Amazon EC2 instances in your environment.
Activated
Instance subnets
Filter instance subnets
Availability Zone
Subnet
CIDR
Name
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
13:59
08-08-2024

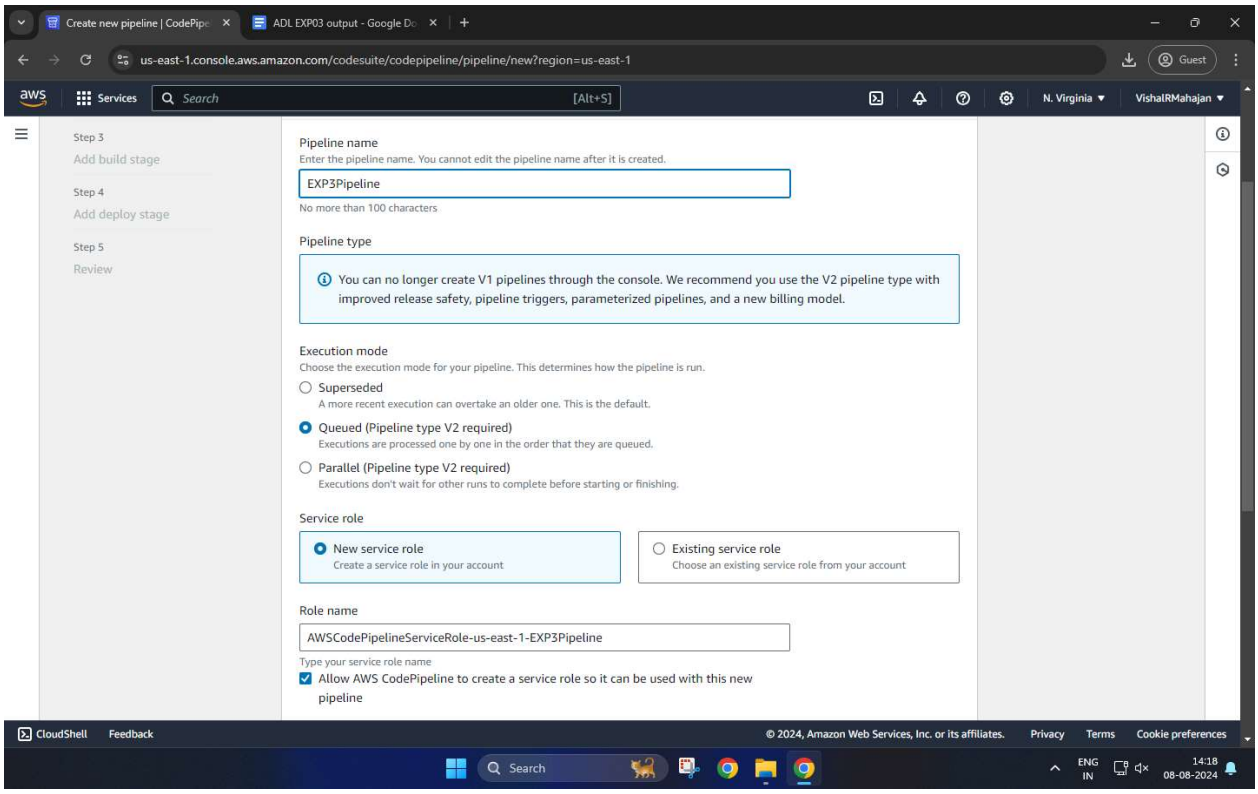

Set up networking, database, a
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Activated
Instance subnets
Filter instance subnets
Availability Zone
Subnet
CIDR
Name
us-east-1a
subnet-03e72e448...
172.31.0.0/20
us-east-1b
subnet-04d91be9a...
172.31.80.0/20
us-east-1f
subnet-0844909a7...
172.31.64.0/20
us-east-1e
subnet-087d9acb4...
172.31.48.0/20
us-east-1d
subnet-0b257544...
172.31.32.0/20
us-east-1c
subnet-0bb8d654...
172.31.16.0/20
Database Info
Integrate an RDS SQL database with your environment. Learn more
Database subnets
If your Elastic Beanstalk environment is attached to an Amazon RDS, choose subnets for your database instances. Learn more
Choose database subnets (6)
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
14:00
08-08-2024

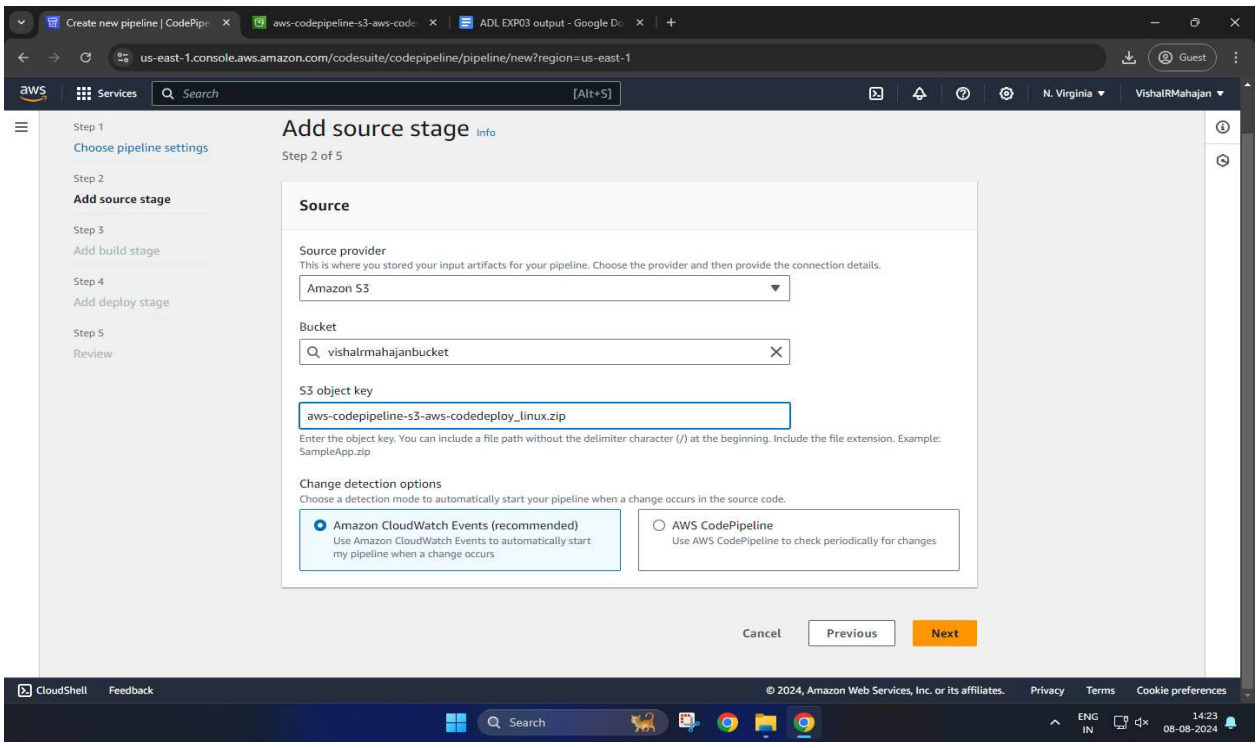

Configure instance traffic and s
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Your environment's platform supports both IMDSv1 and IMDSv2. To enforce IMDSv2, deactivate IMDSv1. Learn more
IMDSv1
With the current setting, the environment enables only IMDSv2.
Deactivated
EC2 security groups
Select security groups to control traffic.
EC2 security groups (1)
Filter security groups
Group name
Group ID
Name
default
sg-0c59f110439511520
Capacity Info
Configure the compute capacity of your environment and auto scaling settings to optimize the number of instances used.
Auto scaling group
Environment type
Select a single-instance or load-balanced environment. You can develop and test an application in a single-instance environment to save costs and then upgrade to a load-balanced environment when the application is ready for production. Learn more
Single instance
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
14:03
08-08-2024

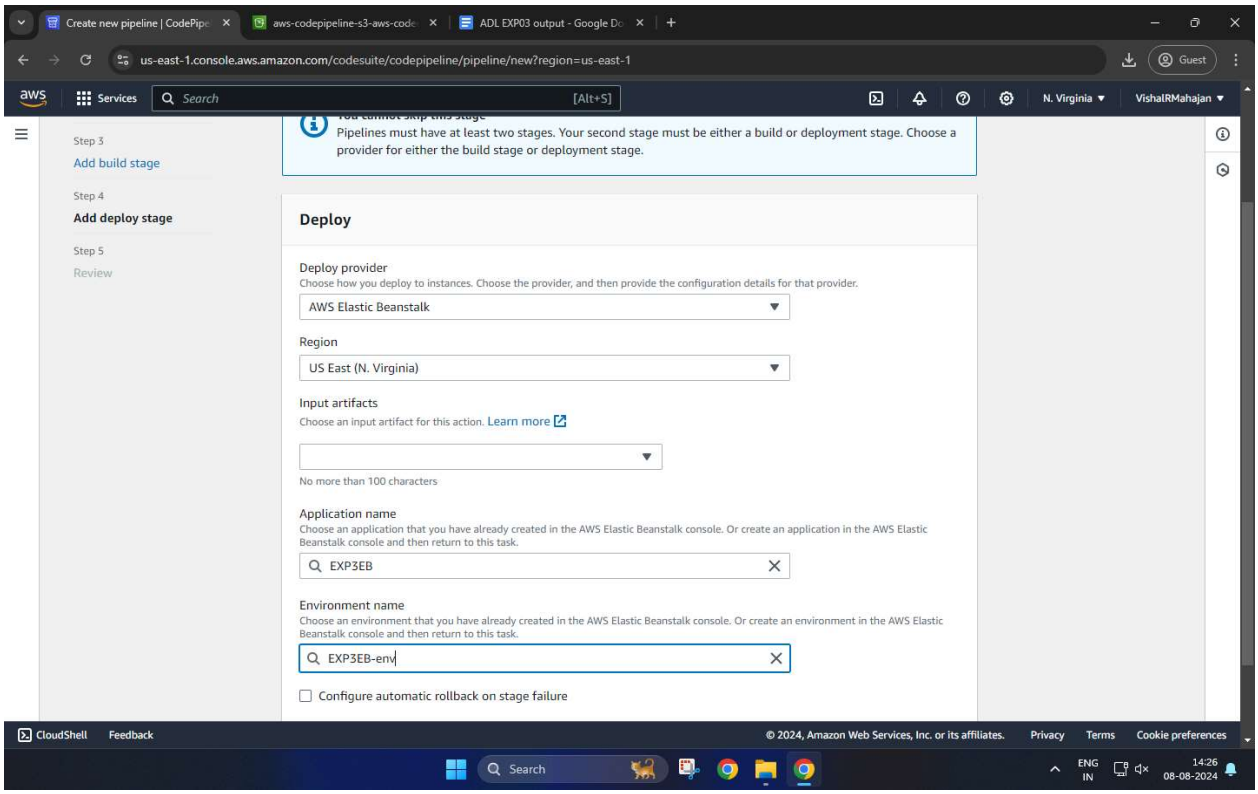

Configure instance traffic and
ADL EXP03 output - Google Do
aws-codepipeline-s3-codedepl
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Architecture
The processor architecture determines the instance types that are made available. You can't change this selection after you create the environment. Learn more
x86_64
This architecture uses x86 processors and is compatible with most third-party tools and libraries.
arm64 - new
This architecture uses AWS Graviton2 processors. You might have to recompile some third-party tools and libraries.
Instance types
Add instance types for your fleet. Change the order that the instances are in to set the preferred launch order. This only affects On-Demand instances. We recommend you include at least two instance types. Learn more
Choose x86 instance types
t2.micro
AMI ID
Elastic Beanstalk selects a default Amazon Machine Image (AMI) for your environment based on the Region, platform version, and processor architecture that you choose. Learn more
ami-083f545ce1a73bf03
Availability Zones
Number of Availability Zones (AZs) to use.
Any
Placement
Specify Availability Zones (AZs) to use.
Choose Availability Zones (AZs)
Scaling cooldown
360
seconds
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
14:04
08-08-2024

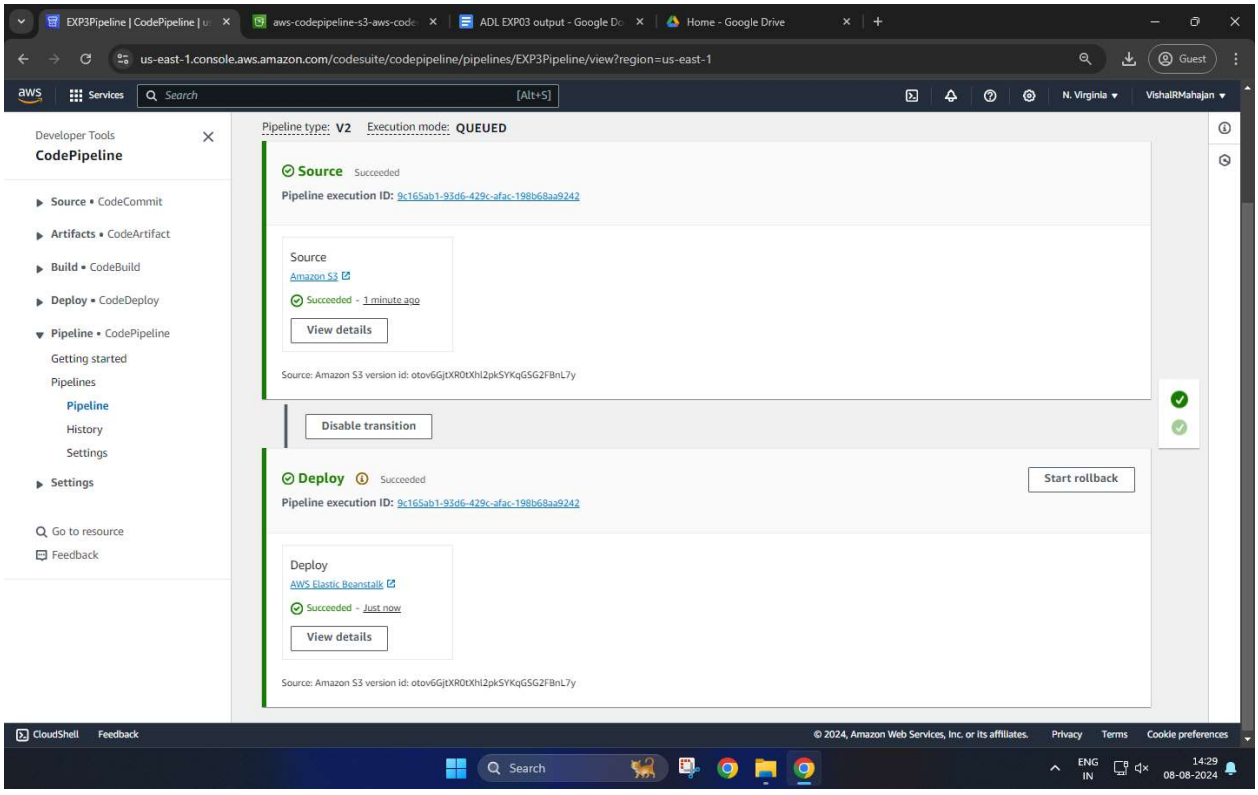

Environment overview - events
PHP Application - AWS Elastic
ADL EXP03 output - Google Do
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-2m6k93cnzr
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Elastic Beanstalk
Applications
Environments
Change history
Application: EXP3EB
Application versions
Saved configurations
Environment: EXP3EB-env
Go to environment
Configuration
Events
Health
Logs
Monitoring
Alarms
Managed updates
Tags
Environment successfully launched.
Elastic Beanstalk > Environments > EXP3EB-env
EXP3EB-env Info
Actions
Upload and deploy
Environment overview
Health
Warning
Environment ID
e-2m6k93cnzr
Domain
VishalRMahajan.us-east-1.elasticbeanstalk.com
Application name
EXP3EB
Platform
Change version
Platform
PHP 8.3 running on 64bit Amazon Linux 2023/4.3.1
Running version
-
Platform state
Supported
Events
Health
Logs
Monitoring
Alarms
Managed updates
Tags
Events (13) Info
Filter events by text, property or value
1
Time
Type
Details
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
14:11
08-08-2024

4. After Elastic BeanStalk Environment is Successfully created. We will create a code Pipeline for building and deploying our php web application.






Create new pipeline | CodePipe
aws-codepipeline-s3-aws-code
ADL EXP03 output - Google Do
us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=us-east-1
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Step 3
Add build stage
Step 4
Add deploy stage
Step 5
Review
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.
EXP3EB
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.
EXP3EB-env
Configure automatic rollback on stage failure
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
14:26
08-08-2024


EXP3Pipeline | CodePipeline
aws-codepipeline-s3-aws-code
ADL EXP03 output - Google Do
Home - Google Drive
us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/EXP3Pipeline/view?region=us-east-1
Guest
aws
Services
Search
[Alt+S]
N. Virginia
VishalRMahajan
Developer Tools
CodePipeline
Source • CodeCommit
Artifacts • CodeArtifact
Build • CodeBuild
Deploy • CodeDeploy
Pipeline • CodePipeline
Getting started
Pipelines
Pipeline
History
Settings
Settings
Go to resource
Feedback
Pipeline type: V2
Execution mode: QUEUED
Source
Succeeded
Pipeline execution ID: 9c165ab1-93d6-429c-afac-198b68aa9242
Source
Amazon S3
Succeeded - 1 minute ago
View details
Source: Amazon S3 version id: otov6GjtXR0tXhl2pkSYKqGSG2FBnL7y
Disable transition
Deploy
Succeeded
Start rollback
Pipeline execution ID: 9c165ab1-93d6-429c-afac-198b68aa9242
Deploy
AWS Elastic Beanstalk
Succeeded - Just now
View details
Source: Amazon S3 version id: otov6GjtXR0tXhl2pkSYKqGSG2FBnL7y
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
14:29
08-08-2024

5. After creating a code pipeline, our php application is deployed.