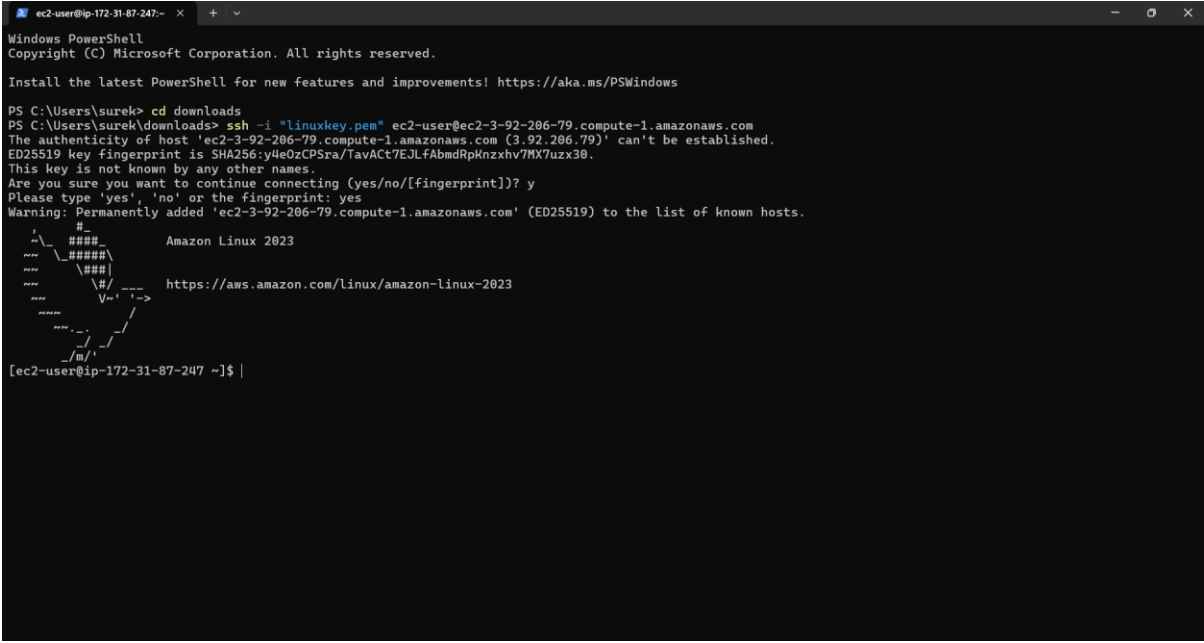
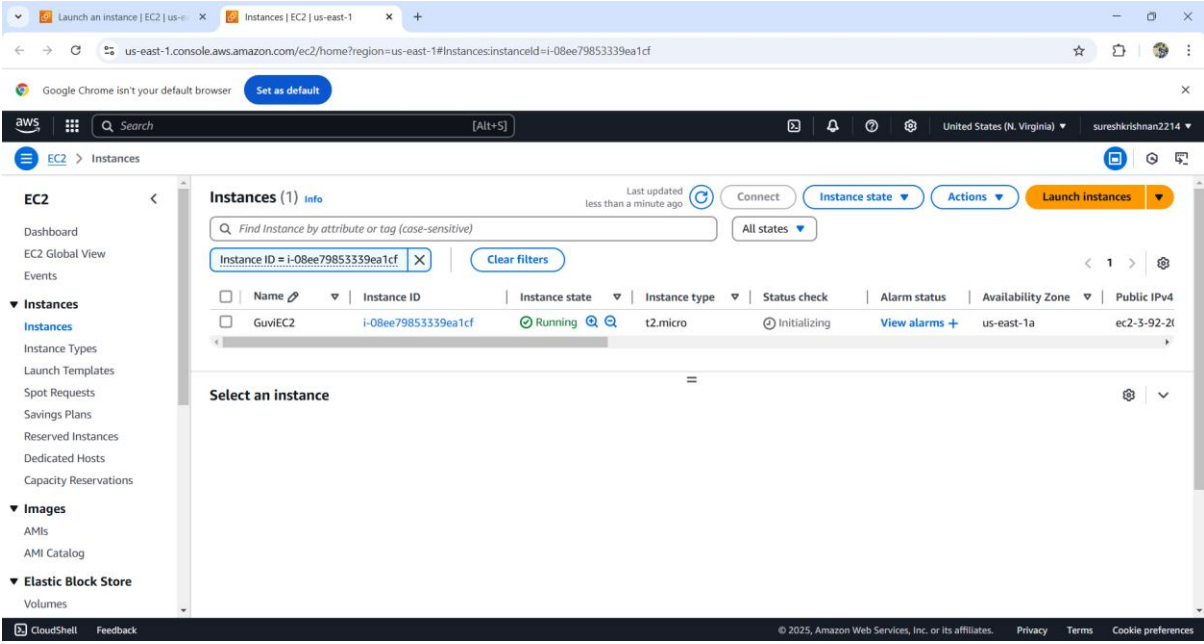


## AWS Task – 5

### Creating EC2 Instance:



Code commit is deprecated and moving to Deploy code.

## Creating CodeDeploy:

The screenshot shows the AWS CodeDeploy console landing page. The left sidebar contains the navigation menu with options like Source, Artifacts, Build, and Deploy. The main content area features a large heading 'AWS CodeDeploy' and a subheading 'Automate code deployments to maintain application uptime'. A 'Create application' button is prominently displayed. Below this, a 'Pricing (US)' section indicates that CodeDeploy on EC2/Lambda is free. A 'How it works' section is partially visible at the bottom.

**Developer Tools**

**CodeDeploy**

- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild
- ▼ Deploy • CodeDeploy
  - Getting started
  - Deployments
  - Applications
  - Deployment configurations
  - On-premises instances
- Pipeline • CodePipeline
- Settings

Go to resource

Feedback

# AWS CodeDeploy

## Automate code deployments to maintain application uptime

AWS CodeDeploy is a fully managed deployment service that automates software deployments to compute services such as Amazon EC2, AWS Lambda, and your on-premises servers. AWS CodeDeploy makes it easier for you to rapidly release new features, helps you avoid downtime during application deployment, and handles the complexity of updating your applications.

**Create AWS CodeDeploy deployment**

Get started with AWS CodeDeploy by creating your first deployment application.

[Create application](#)

**Pricing (US)**

For CodeDeploy on EC2/Lambda	Free
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**How it works**

The screenshot shows the AWS CodeDeploy console after a new application has been created. A green notification banner at the top states 'Application created' and provides instructions on how to create a deployment group. The 'Application details' section shows the application name 'GuvCodeDeploy' and the compute platform 'EC2/On-premises'. The 'Deployment groups' tab is selected, displaying a table with columns for Name, Status, Last attempted deployment, Last successful deployment, and Trigger count. A message indicates that no deployment groups exist and provides a 'Create deployment group' button.

**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

**Application created**

In order to create a new deployment, you must first create a deployment group.

[Create a notification rule for this application](#)

### Application details

Name	Compute platform
GuvCodeDeploy	EC2/On-premises

Deployments **Deployment groups** Revisions

**Deployment groups**

[View details](#) [Edit](#) [Create deployment group](#)

Name	Status	Last attempted deploy...	Last successful deploy...	Trigger count
No deployment groups				

Before you can deploy your application using CodeDeploy, you must create a deployment group.

[Create deployment group](#)

## Creating Group:

The screenshot shows the AWS CodeDeploy console in the 'us-east-1' region. A green banner at the top indicates 'Success: Deployment group created'. The breadcrumb trail is 'Developer Tools > CodeDeploy > Applications > Guvideploy > GuviGroup'. The main heading is 'GuviGroup' with 'Edit', 'Delete', and 'Create deployment' buttons. Below is the 'Deployment group details' section:

Deployment group details		
Deployment group name	Application name	Compute platform
GuviGroup	Guvideploy	EC2/On-premises
Deployment type	Service role ARN	Deployment configuration
In-place	arn:aws:iam::724772096874:role/Guvicecodeploy	CodeDeployDefault.AllAtOnce
Rollback enabled	Agent update scheduler	
False	Learn to schedule update in AWS Systems Manager	

Below the details is the 'Environment configuration: Amazon EC2 instances' section, which is currently empty with columns for 'Key' and 'Value'.

## Creating CodeBuild:

The screenshot shows the AWS CodeBuild console in the 'us-east-1' region. A green banner at the top indicates 'Project created: You have successfully created the following project: GuviProject'. The breadcrumb trail is 'Developer Tools > CodeBuild > Build projects > GuviProject'. The main heading is 'GuviProject' with buttons for 'Actions', 'Create trigger', 'Edit', 'Clone', 'Debug build', 'Start build with overrides', and 'Start build'. Below is the 'Configuration' section:

Configuration			
Source provider	Primary repository	Artifacts upload location	Service role
GitHub	Sureshkrishnan2214/VCS_Projects	-	arn:aws:iam::724772096874:role/service-role/codebuild-GuviProject-service-role
Public builds			
Disabled			

Below the configuration is the 'Build history' section, which is currently empty with columns for 'Build run', 'Status', 'Build number', 'Source version', 'Submitter', 'Duration', and 'Completed'.

## Creating Pipeline:

The screenshot displays the AWS CodePipeline console interface in a web browser. The browser's address bar shows the URL: `us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/Guvipipeline/view?region=us-east-1`. The AWS console header includes the 'Services' menu, a search bar, and the user's profile 'sureshkrishnan2214'.

At the top of the console, there are two notification banners:

- A blue banner titled "Introducing the new pipeline experience" with a close button (X).
- A green banner titled "Success" stating "Congratulations! The pipeline Guvipipeline has been created." with a close button (X).

The main content area shows the pipeline view for "Guvipipeline". The breadcrumb navigation is: `Developer Tools > CodePipeline > Pipelines > Guvipipeline`. On the right side of the pipeline name, there are buttons: "Edit", "Stop execution", "Clone pipeline", and "Release change".

The pipeline graph consists of three stages:

- Source** (ID: 610c5782): Status "All actions succeeded." with a "Show more actions" link.
- Build** (ID: 610c5782): Status "In progress: 1". It contains one action named "Build" using the provider "AWS CodeBuild".
- Deploy** (ID: 610c5782): Status "Not Run". It has a "Show more actions" link.

Arrows indicate the flow from Source to Build, and from Build to Deploy. On the left side of the pipeline view, there is a vertical toolbar with icons for adding, removing, and locking stages.

The footer of the console shows "CloudShell", "Feedback", and copyright information: "© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".