

Advance Devops Lab 02

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.

Theory:

Elastic Beanstalk:

- AWS Elastic Beanstalk is a fully managed service for deploying and scaling web applications and services. It automates infrastructure provisioning, load balancing, and application health monitoring. Developers simply upload their code, and Elastic Beanstalk handles the rest.

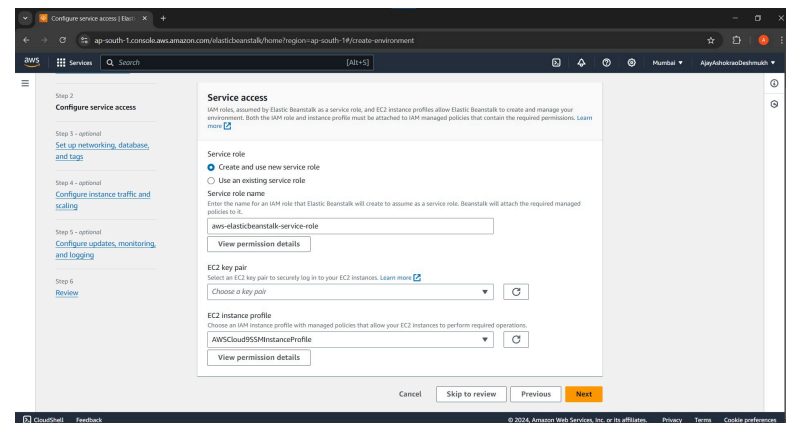
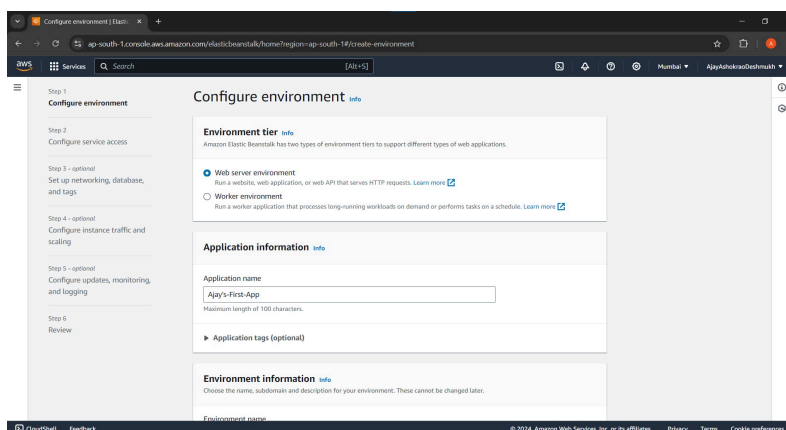
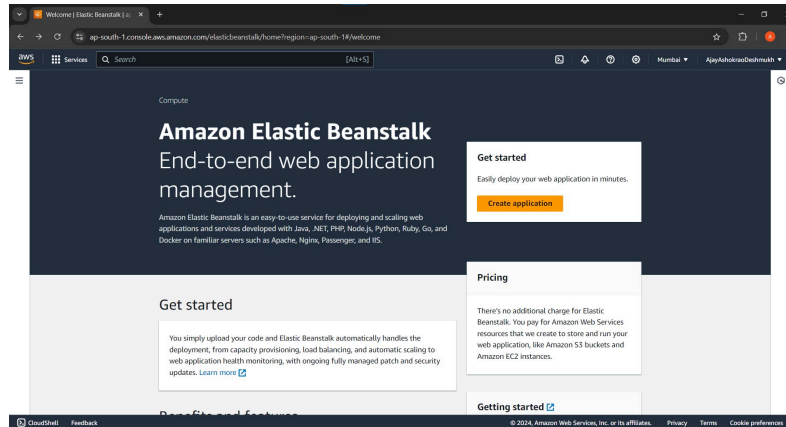
S3 (Simple Storage Service):

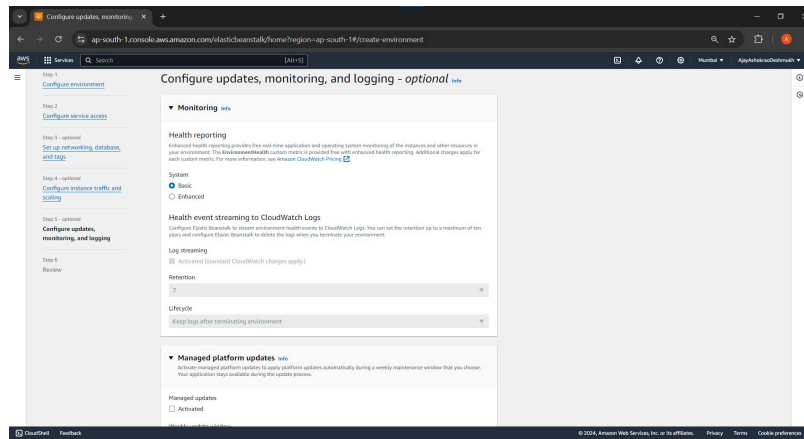
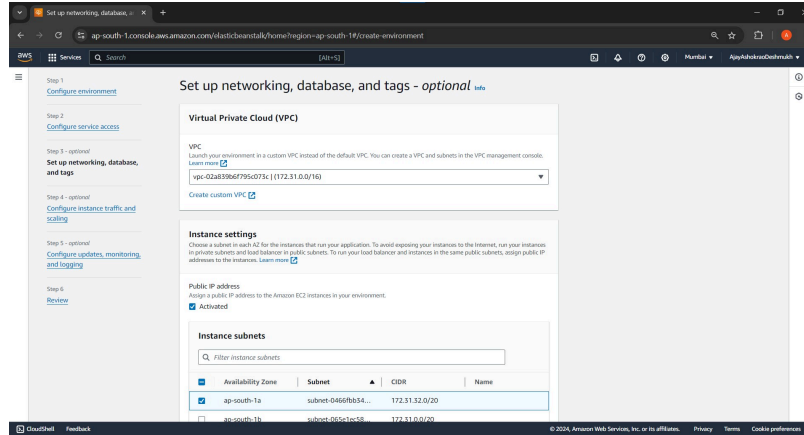
- Amazon S3 is a scalable object storage service for storing and retrieving any amount of data. It offers high durability and availability with features like versioning and lifecycle policies. S3 is commonly used for storing backups, static files, and deployment artifacts.

Pipelining:

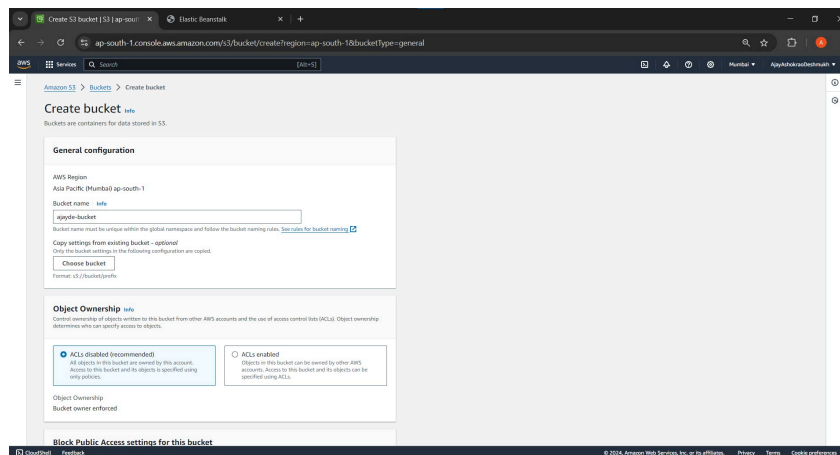
- Pipelining in DevOps refers to the automation of stages in the software development lifecycle, from code commit to deployment. It involves continuous integration and continuous delivery (CI/CD) processes to automate build, test, and deployment tasks, enhancing efficiency and consistency in software delivery.

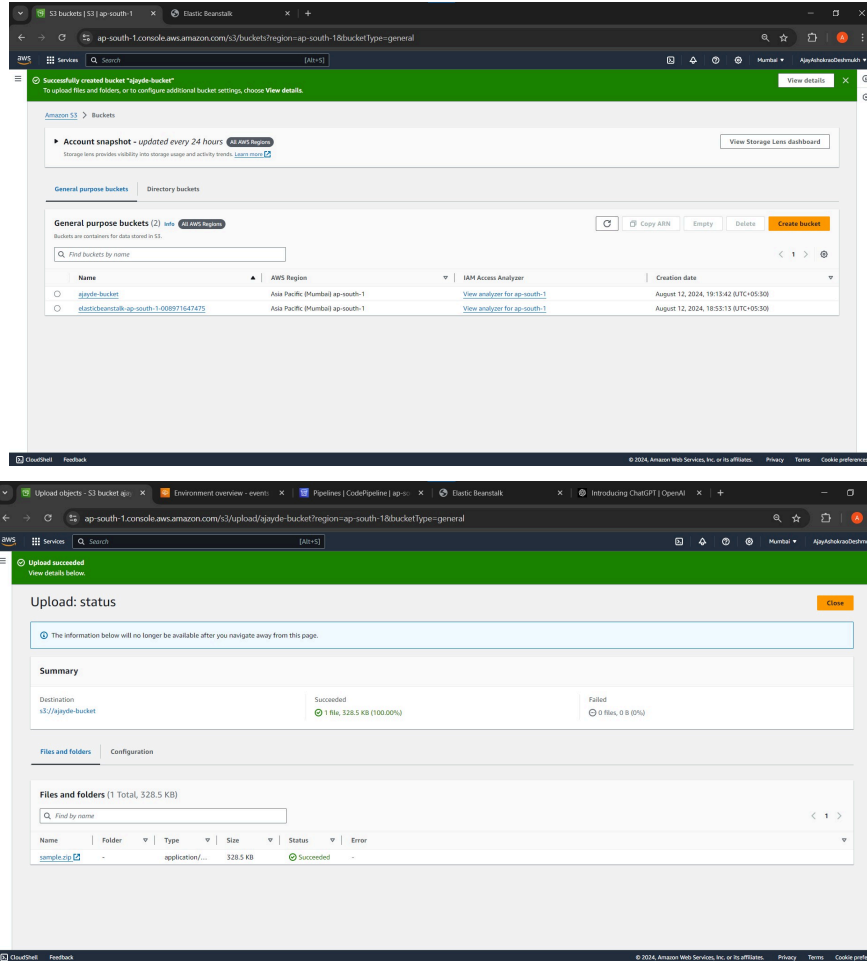
Step1: Create a deployment environment & Create an App in Beanstack.





Step 2:Create S3 bucket and add project .zip file in it.





Step 3: Create pipeline to automate deployment process.

