

Project 2 : Website Orchestration

Industry: Internet related

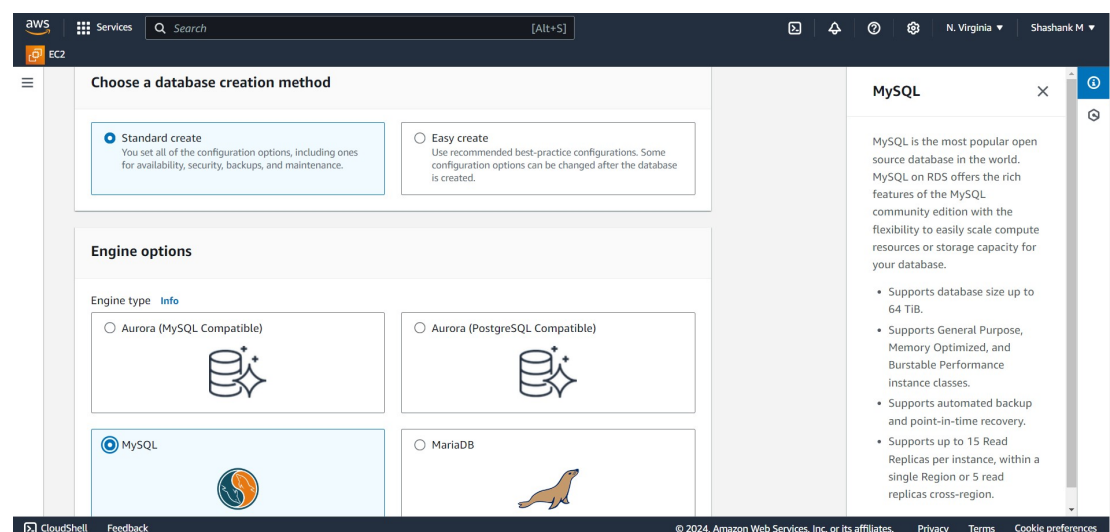
Problem Statement: How to orchestrate a website with lesser time and higher availability along with Auto Scaling.

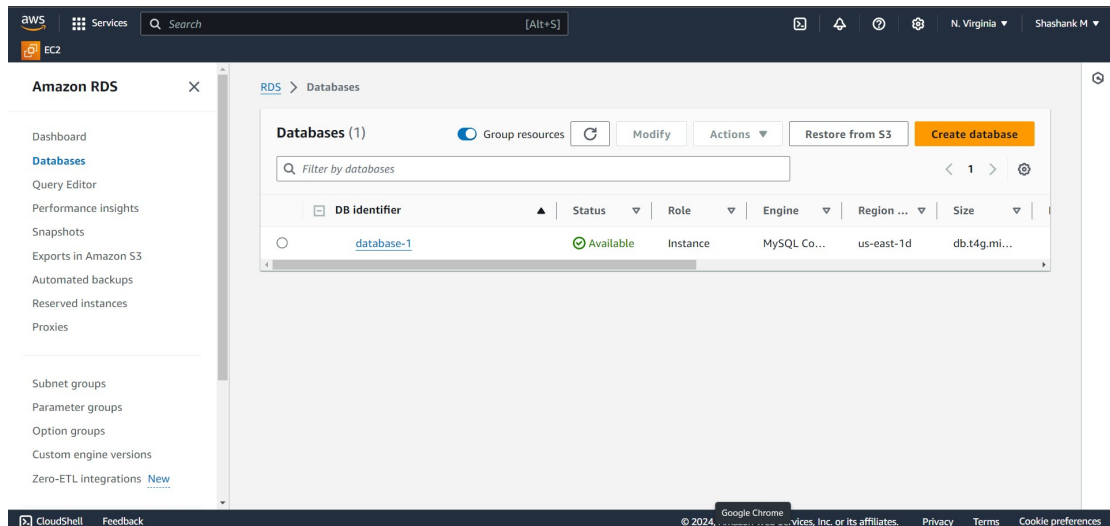
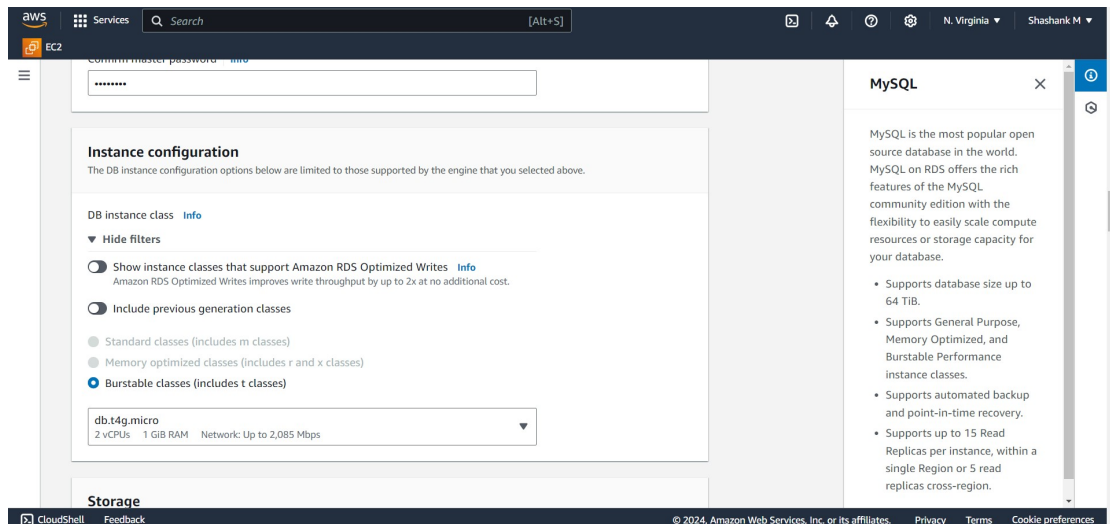
Topics: In this AWS project, you have to deploy a high-availability PHP application with an external Amazon RDS database to Elastic Beanstalk. Running a DB instance external to Elastic Beanstalk decouples the database from the lifecycle of your environment. This lets you connect to the same database from multiple environments, swap one database for another, or perform a blue/green deployment without affecting your database.

Highlights:

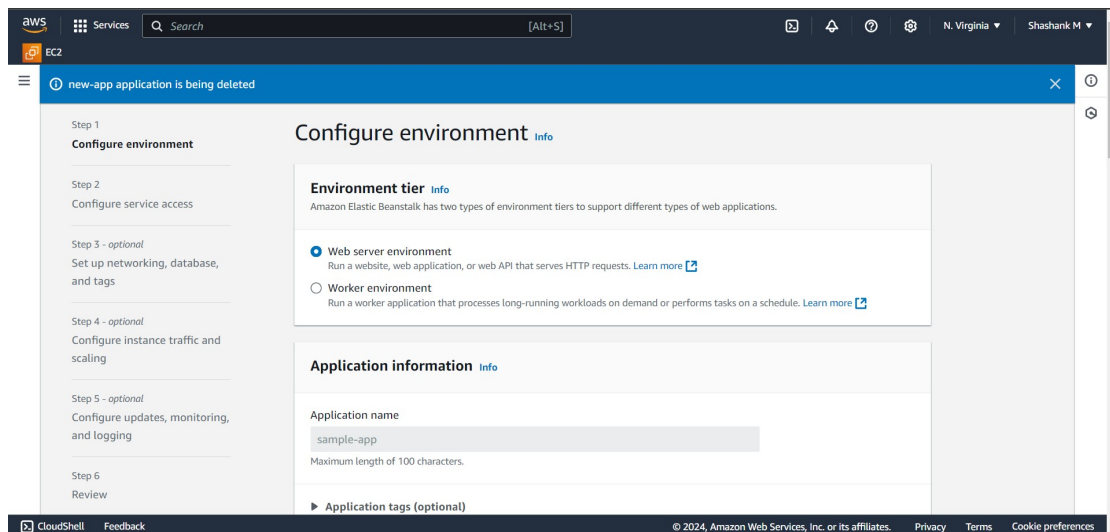
Launch a DB instance in Amazon RDS
Create an Elastic Beanstalk Environment
Configure Security Groups and Scaling

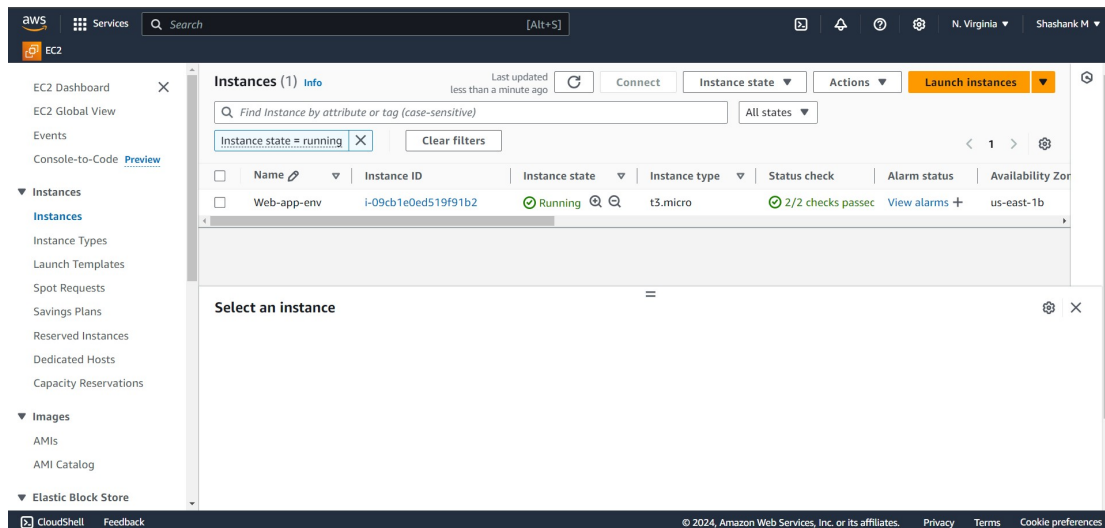
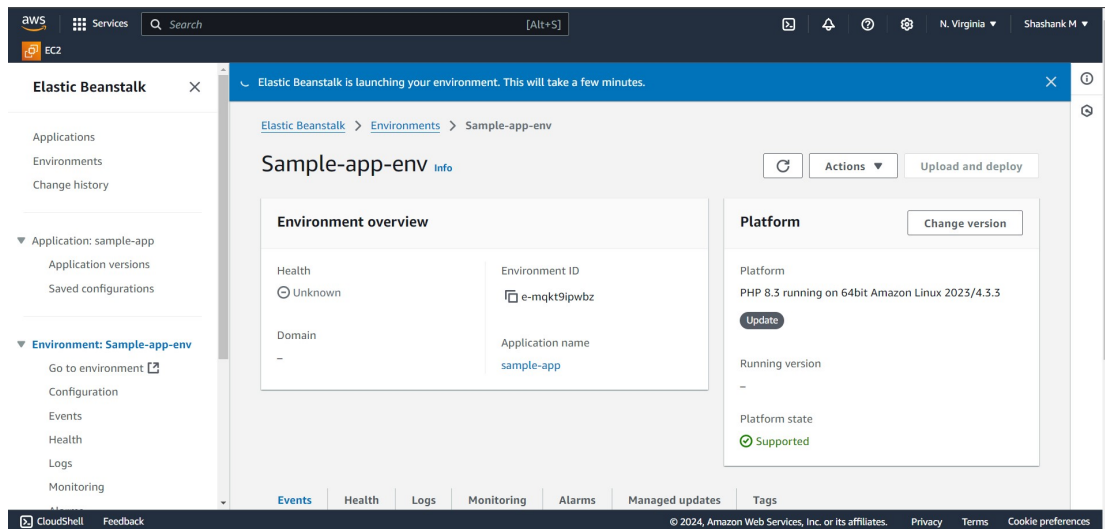
Launch a DB Instance in Amazon RDS



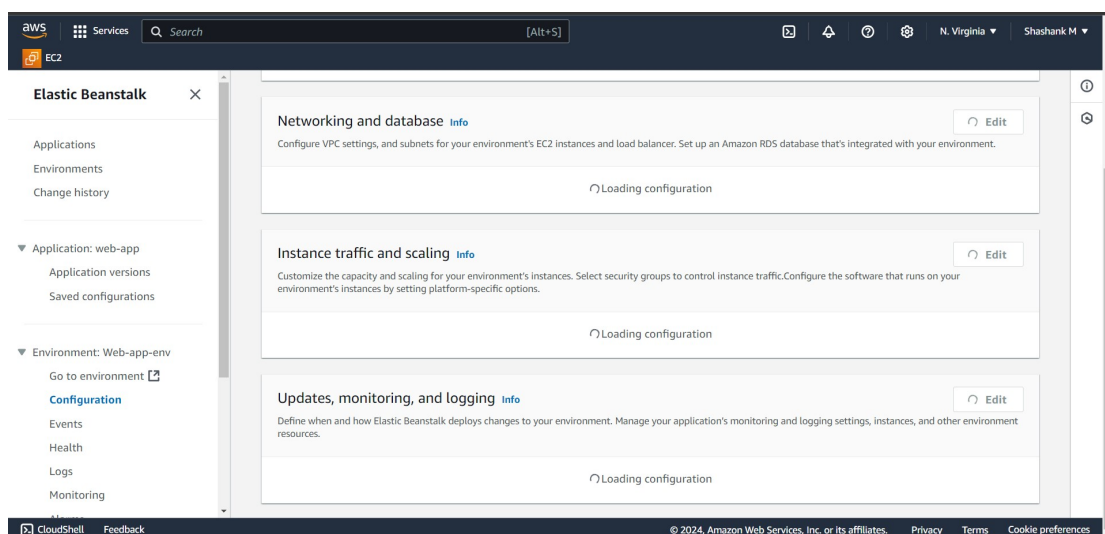


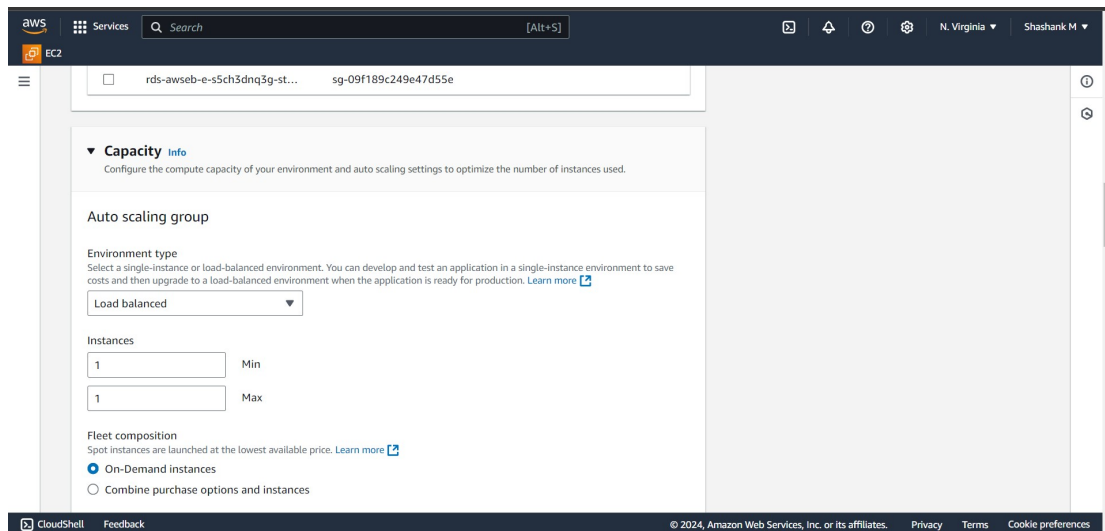
Create an Elastic Beanstalk Environment:



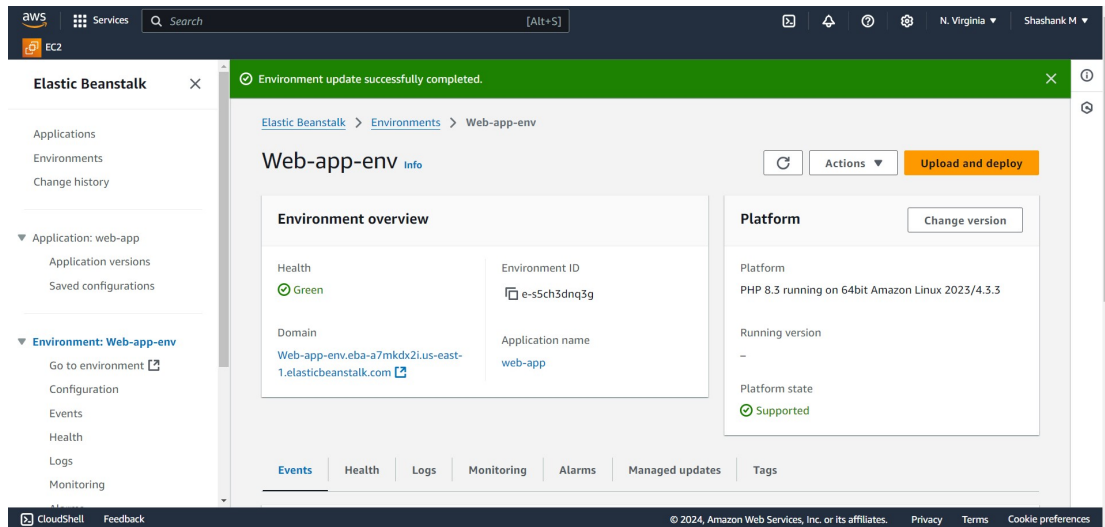
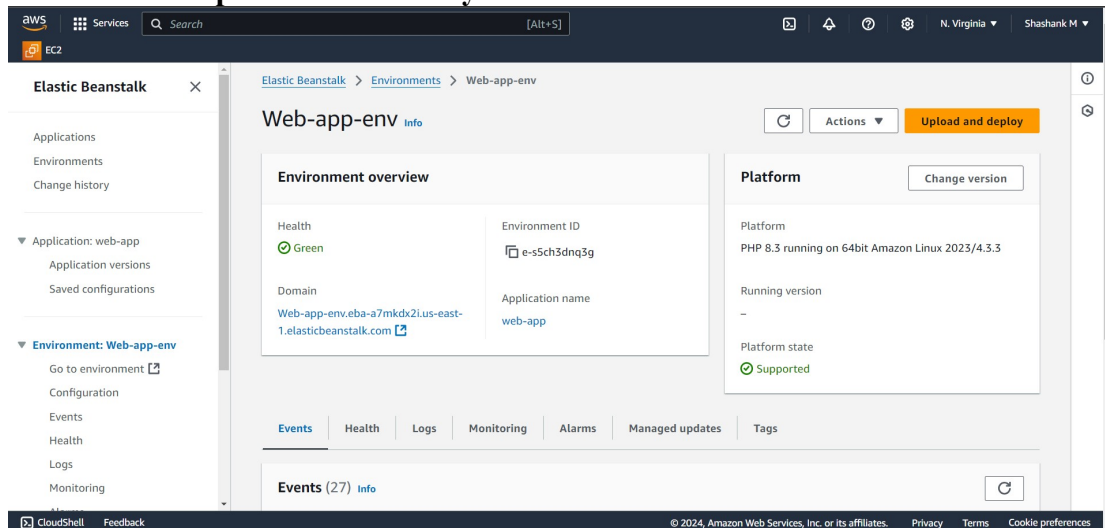


Configure Security Groups, Environment Properties, and Scaling:





Environment updated successfully:



To configure environment properties for an Amazon RDS DB instance:

Environment Properties

The following properties are passed into the application as environment variables. [Learn more.](#)

Property Name	Property Value
RDS_DB_NAME	<input type="text" value="ebdb"/> ✕
RDS_HOSTNAME	<input type="text" value="webapp-db.jxzcb5mpanlu.us-wes"/> ✕
RDS_PORT	<input type="text" value="5432"/> ✕
RDS_USERNAME	<input type="text" value="webapp-admin"/> ✕
<input type="text" value="RDS_PASSWORD"/>	<input type="text" value="kUj5uKxmWDMYc403"/> +

Cancel

Apply

Deploy the sample application:

Services

Search

ALL+5

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Shashank M

EC2

Elastic Beanstalk

Applications

Environments

Change history

Application: sample-app

Application versions

Saved configurations

Environment: Sample-app-env

Go to environment

Configuration

Events

Health

Logs

Monitoring

CloudShell

Feedback

Elastic Beanstalk > Environments > Sample-app-env

Sample-app-env

Health

OK

Domain

Sample-app-env-east-1.us-east-1.amazonaws.com

Events

Events (12)

Info

Upload and deploy

To deploy a previous version, go to the [Application versions page](#)

Upload application

Choose file

File name: eb-demo-php-simple-app-master.zip

File must be less than 500MB max file size

Version label

Unique name for this version of your application code.

sample-app-version-1

Current number of EC2 instances: 1

Cancel

Deploy

Actions

Upload and deploy

Change version

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Output:

