

AWS Solutions Architect Certification Training

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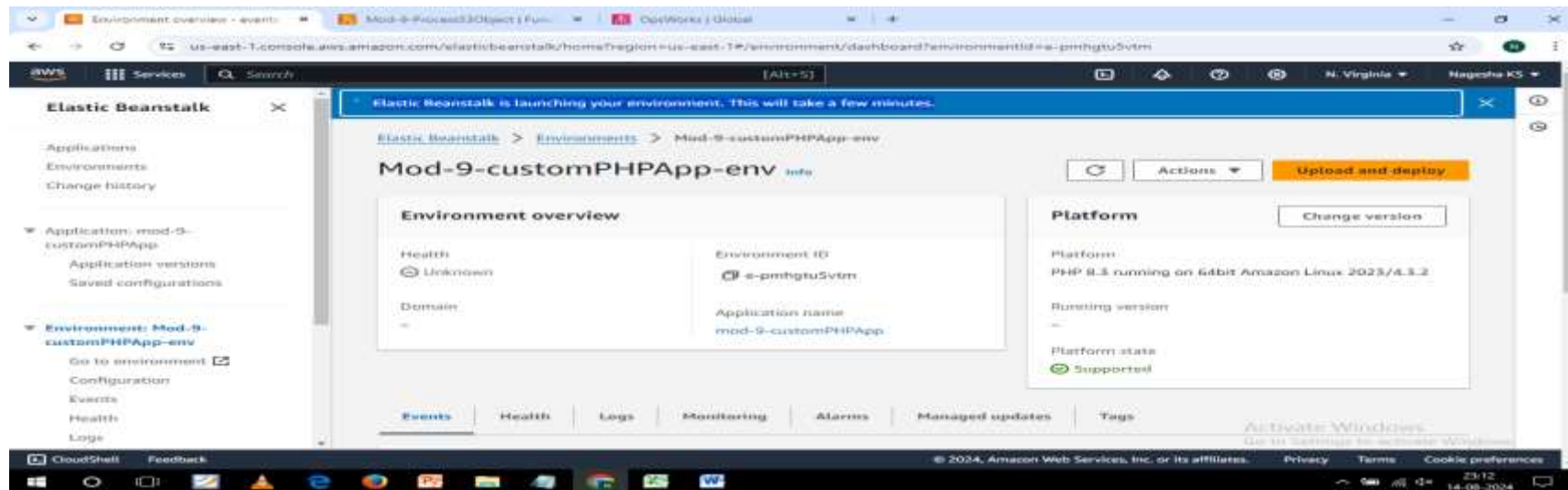
Module 9 - Assignment Lambda, Elastic Beanstalk, AWS OpsWorks COMPLETED by Nagesha. K.S. Please check the following screenshots for each question.

Problem Statement:

You work for XYZ organization. Your organization uses AWS cloud to host their web applications.

You are asked to:

1. Create a Beanstalk environment to host a Custom PHP application to host our application on it.
2. Upload a new PHP file which reads “Updated Hello World” to the Beanstalk environment
3. Create a Lambda Function which uses S3 bucket Object creation as a trigger.
4. Launch an OpsWork stack and host a Hello World html page in the instance of that stack



Environment overview - events | Mod-9-ProcessS3Object | Funci | OpsWorks | Global

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-radqa8u7iz&tab=events

aws Services s3 N. Virginia Nagesha KS

Elastic Beanstalk

- Applications
- Environments
- Change history
- Application: Mod-9-CustomPHPApp
- Environment: Mod-9-CustomPHPApp-env
 - Go to environment
 - Configuration
 - Events**
 - Health
 - Logs
 - Monitoring
 - Alarms

Mod-9-CustomPHPApp-env

Actions Upload and deploy

Environment overview

Health Unknown - View causes	Environment ID e-radqa8u7iz
Domain -	Application name Mod-9-CustomPHPApp

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 (6)

Filter events by text, property or value

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14-08-2024

Elastic Beanstalk | us-east-1

Mod-9-ProcessS3Object | Func

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us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/application/overview?applicationName=Mod-9-CustomPHPApp

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Services

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Elastic Beanstalk

Applications

Environments

Change history

▼ Application: Mod-9-CustomPHPApp

Application versions

Saved configurations

▼ Recent environments

Mod-9-CustomPHPApp-env

Elastic Beanstalk > Applications > Mod-9-CustomPHPApp

Application Mod-9-CustomPHPApp environments (1) Info

Actions

Create new environment

Filter environments

< 1 > ⚙

Environ...	Health	Date created	Domain	Running ...	Platform
Mod-9-Cust...	Unknown	August 14, 2024 21:57...	-	-	PHP 8.3 run.

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Configure environment - review

Mod-9-ProcessS3Object | Func

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in aws how to delete environm

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

aws

Services

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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

Review

Info

Step 1: Configure environment

Edit

Environment information

Environment tier

Web server environment

Environment name

Mod-9-customPHPApp-env

Platform

am:aws:elasticbeanstalk:us-east-1::platform/PHP 8.3 running on 64bit Amazon Linux 2023/4.3.2

Application name

mod-9-customPHPApp

Application code

Sample application

Step 2: Configure service access

Edit

Service access

Info

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and logging

Step 6

Review

Running on 64bit Amazon Linux 2023/4.5.2

Step 2: Configure service access

Edit

Service access

Info

Configure the service role and EC2 instance profile that Elastic Beanstalk uses to manage your environment. Choose an EC2 key pair to securely log in to your EC2 instances.

Service role

EC2 instance profile

arn:aws:iam::289436155303:role/aws-elasticbeanstalk-service-role

aws-elasticbeanstalk-ec2-role

Step 3: Set up networking, database, and tags

Edit

Networking, database, and tags

Info

Configure VPC settings, and subnets for your environment's EC2 instances and load balancer. Set up an Amazon RDS database that's integrated with your environment.

No options configured

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Environments | Elastic Beanstalk | Mod-9-ProcessS3Object | Functions | OpsWorks | Global

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/Mod-9-ProcessS3Object?tab=code

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Lambda > Functions > Mod-9-ProcessS3Object

Mod-9-ProcessS3Object

Throttle Copy ARN Actions

Function overview Info

Export to Application Composer Download

Diagram Template

Mod-9-ProcessS3Object

Layers (0)

S3

Add trigger

Add destination

Description

-

Last modified

22 minutes ago

Function ARN

arn:aws:lambda:us-east-1:289436155303:function:Mod-9-ProcessS3Object

Function URL

Info

Info Tutorials

Learn how to implement common use cases in AWS Lambda.

Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

Learn more

Start tutorial

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Environment overview - events x

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us-east-1.console.aws.amazon.com/opsworks/landing/home?region=us-east-1/#/


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AWS OpsWorks

AWS OpsWorks is a configuration management service that helps you build and operate highly dynamic applications, and propagate changes instantly.


 **Important notice**

AWS OpsWorks has reached end-of-life and is no longer available. For more information, please review the end-of-life documentation for the respective offerings: [OpsWorks Stacks](#), [OpsWorks for Chef Automate](#), [OpsWorks for Puppet Enterprise](#).

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