AWS Solution Architect

Course-end Project

Set Up and Monitor a WordPress Instance for Your Organization

TECHNOLOGY

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Objectives

To set up and monitor a WordPress instance for your organization

Problem Statement and Motivation

Problem Statement:

In this project, you should be able to launch a WordPress instance using AWS CloudFormation and monitor the instance using Amazon Route 53.

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Problem Statement and Motivation

Real-World Scenario:

Your organization publishes blogs and provides documentation services for other businesses and technologies. You have been asked to:

- Set up a live WordPress instance to publish blogs
- Set up a WordPress instance that can be used for development and testing purposes so that any work done on this instance will not impact the live blog
- Configure the WordPress instance for development and testing purposes, which will be available only for business hours (9 AM–6 PM)
- Monitor the health of the WordPress instance

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Industry Relevance

Skills used in the project and their usage in the industry are given below:

- **AWS console:** The AWS Management Console is a web application that includes and references several service consoles for managing AWS services.

- **AWS CloudFormation:** It is a service that aids users in modeling and configuring their AWS resources so they can focus more on their AWS-based apps and spend less time maintaining those resources.

- **EC2 Instance:** Amazon EC2 provides a large set of instance types that are customized to certain use cases.

Task (Activities)

1. Create a CloudFormation stack

2. Create an AMI of the WordPress instance

3. Configure Auto Scaling to launch a new WordPress instance

4. Configure the new WordPress instance to shut down automatically

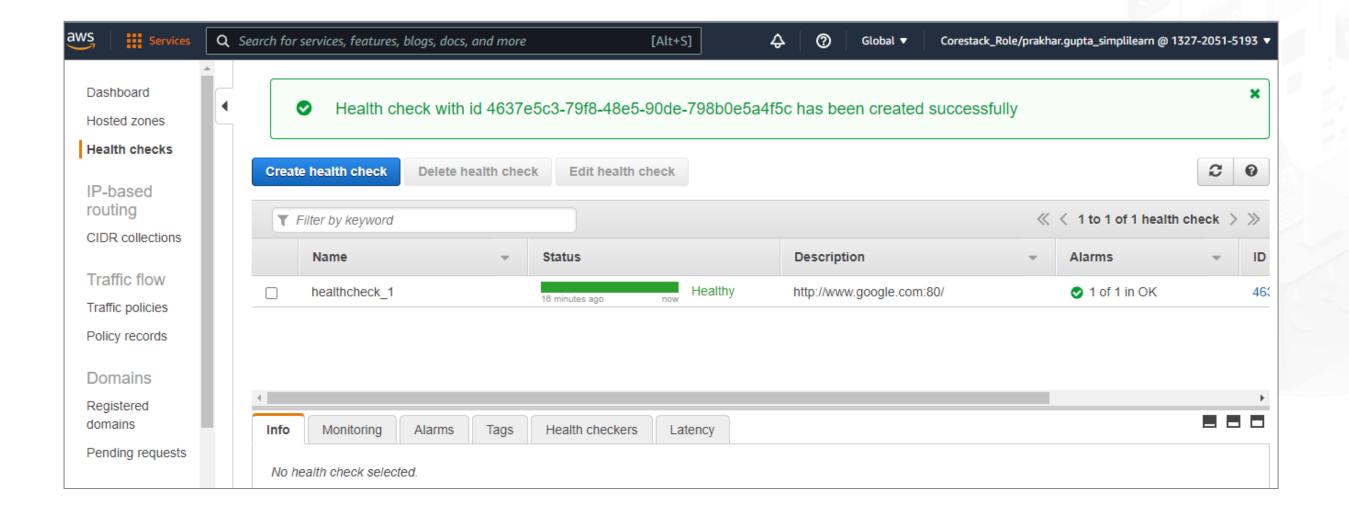5. Monitor the instance using Availability Monitoring feature of the R53

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Project Reference

- **Task 1:** Create a CloudFormation stack; Lesson 9 demo 3

- **Task 2:** Create an AMI of the WordPress instance; Lesson 3 demo 1

- **Task 3:** Configure Auto Scaling to launch a new WordPress instance; Lesson 9 Demo 8

- **Task 4:** Configure the new WordPress instance to shut down automatically

- **Task 5:** Monitor the instance using Availability Monitoring feature of the R53

Output Screenshot

Name	Instance ID	Instance Type	Availability Zone	Instance State
PROJECT2_WP1	i-cb3e9357	t2.micro	us-east-1b	🟢 running

Thank You

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