

TECHNOLOGY



AWS Solution Architect Course-end Project

Set Up and Monitor a WordPress Instance for Your Organization

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.



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



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

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

aws

Services

Search for services, features, blogs, docs, and more [Alt+S]

Global

Corestack_Role/prakhar.gupta_simplilearn @ 1327-2051-5193

Dashboard

Hosted zones

Health checks

IP-based routing

CIDR collections

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Health check with id 4637e5c3-79f8-48e5-90de-798b0e5a4f5c has been created successfully

Create health check Delete health check Edit health check

Filter by keyword

1 to 1 of 1 health check

	Name	Status	Description	Alarms	ID
<input type="checkbox"/>	healthcheck_1	16 minutes ago now Healthy	http://www.google.com:80/	1 of 1 in OK	4637e5c3-79f8-48e5-90de-798b0e5a4f5c

Info

Monitoring

Alarms

Tags

Health checkers

Latency

No health check selected.

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Thank You