AWS Solution Architect Course-end Project

--Set Up and Monitor a WordPress Instance for Your Organization

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.

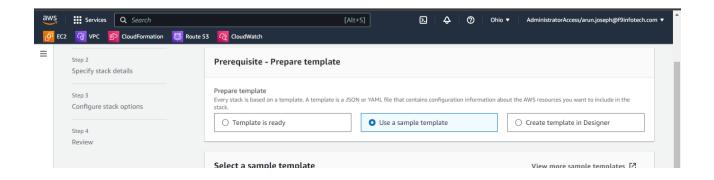
Real-World Scenario:

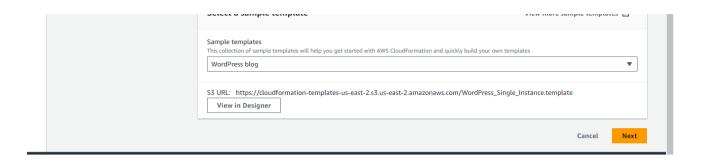
Your organization publishes blogs and provides documentation services for other businesses and technologies. You have been asked to:

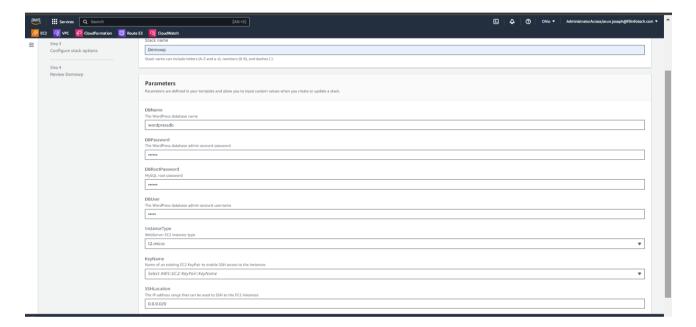
- Set up a live WordPress instance to publish blogs
- Set up a WordPress instance that can be used for development and testing purposes so that any work done on this instance will not impact the live blog
- Configure the WordPress instance for development and testing purposes, which will be available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

Task (Activities)

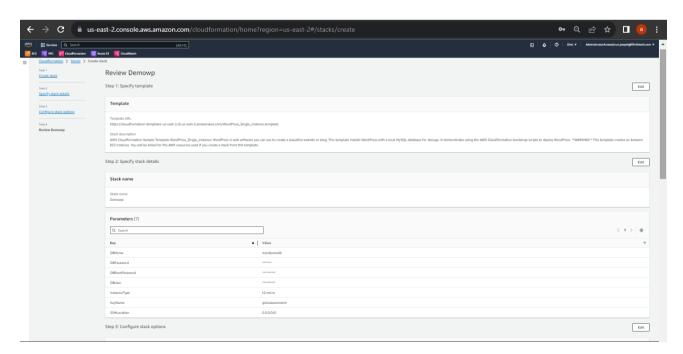
1. Create a CloudFormation stack



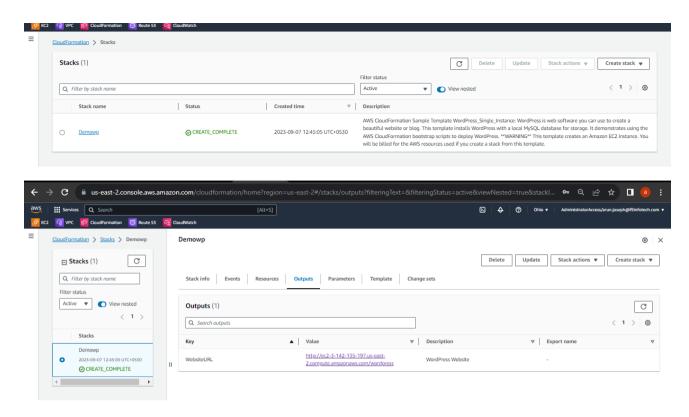




Next



Submit

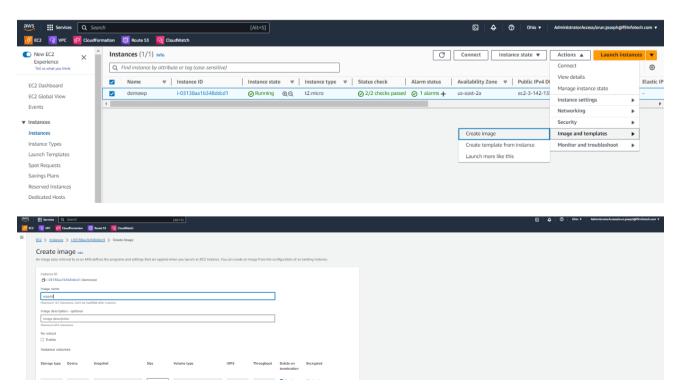


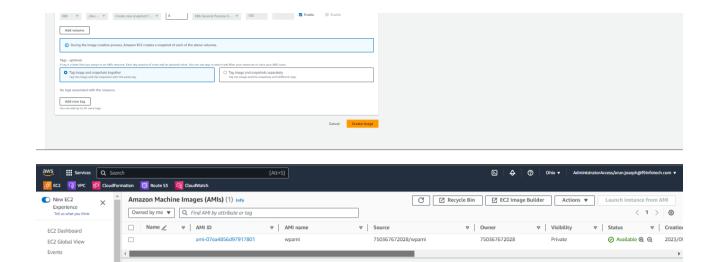
Stack Created

- Now just check your ec2 console



2. Create an AMI of the WordPress instance



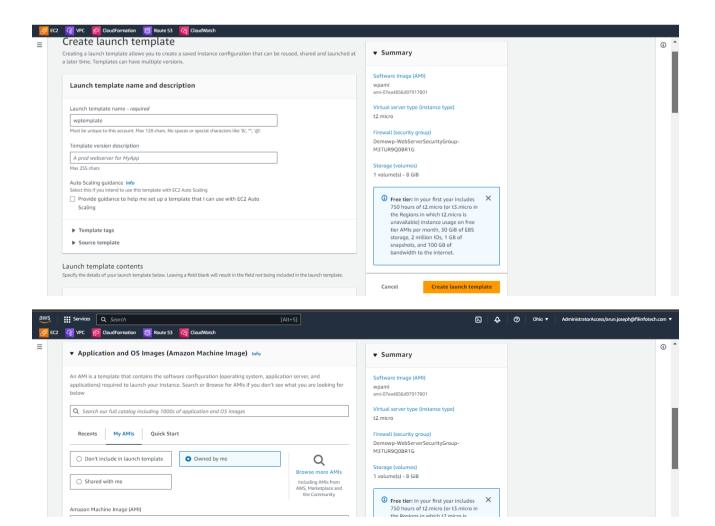


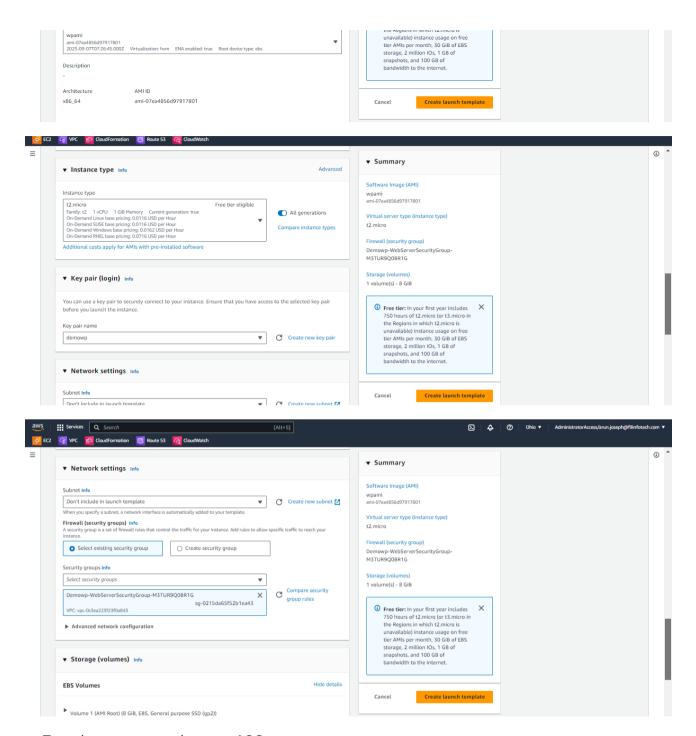
AMI is Created

3. Configure Auto Scaling to launch a new WordPress instance

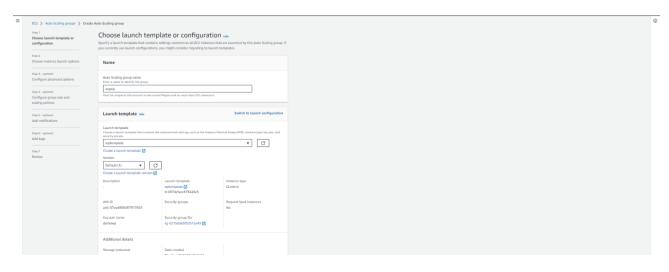
Create Template

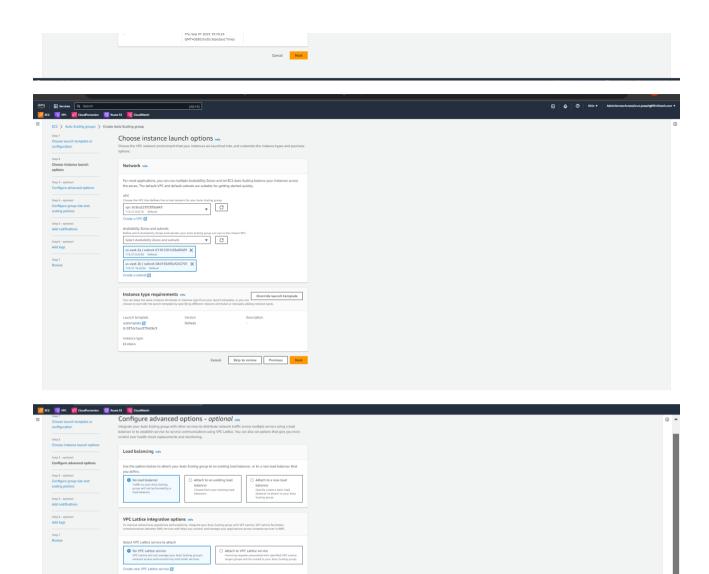
Instances
Instance Types
Launch Templates



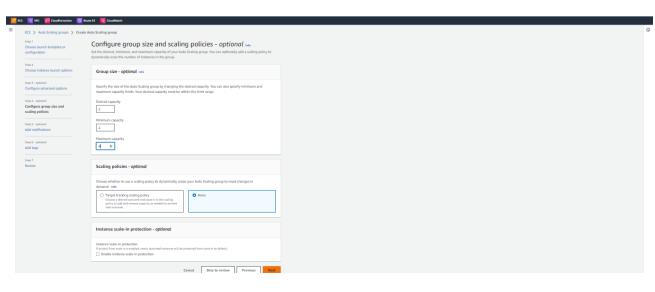


Template create and create ASG.





Next



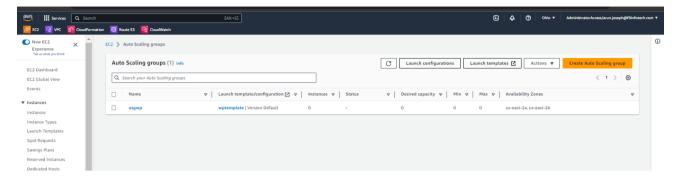
Advays enabled

Additional health check types - optional | tele
||||| Turn on Elastic Load Balancing health check
tilastic Load Balancing monitors whether instances
Scaling can replace it on its mest periodic check.

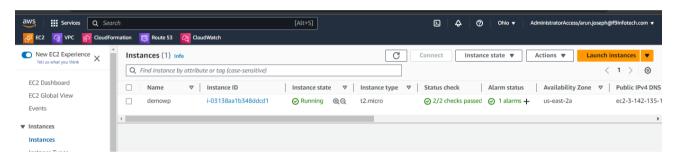
Health check grace period | Infe
This time period delays the first health check
placed into a non-curring state.

300 seconds

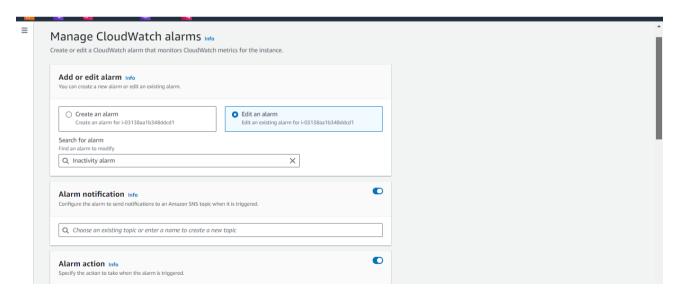
Then review it and create ASG.



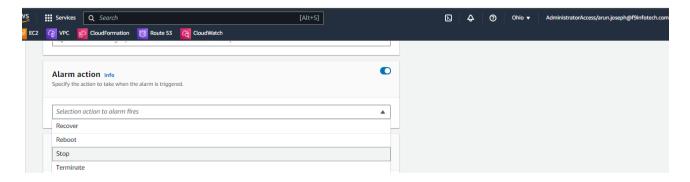
4. Configure the new WordPress instance to shut down automatically



Click The + Icon under the Alarm status

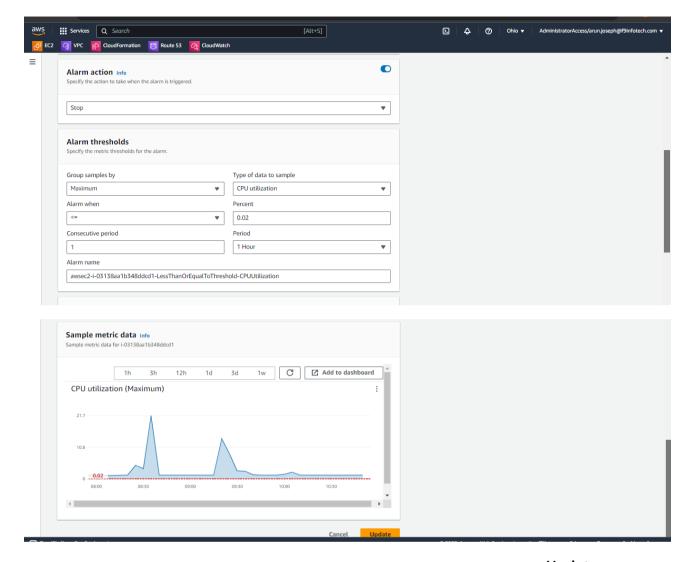


Click the edit an alarm and on Toggle of Alarm action



Select the Stop

Crown complex by



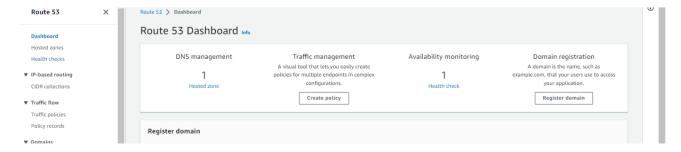
Update

It's Created

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

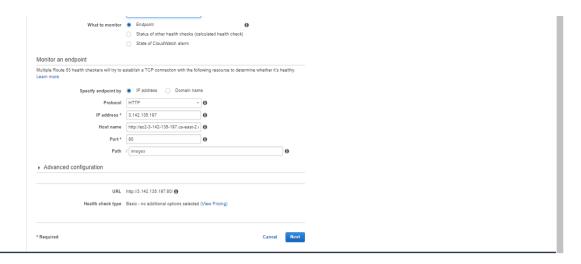
Time of data to comple

Go to the Route53

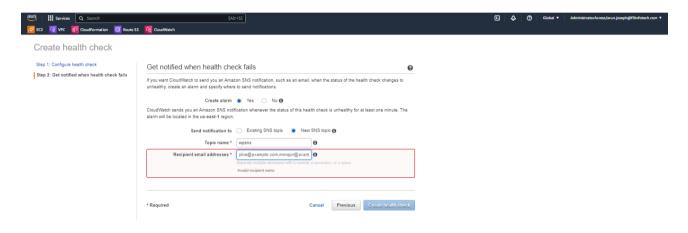


Go to the Health Checks on the left side bar





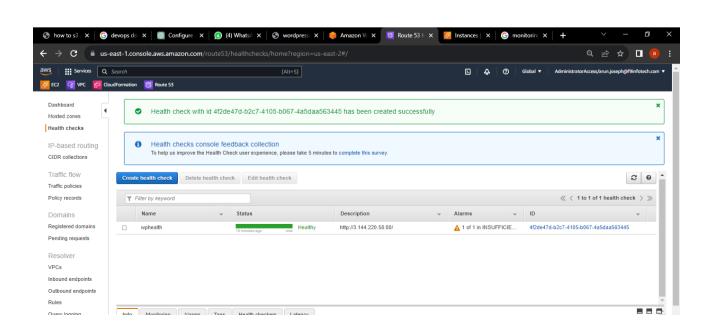
Next

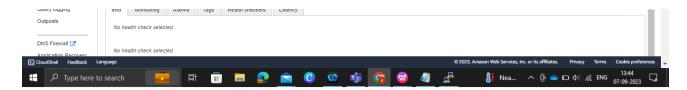


Create alarm Yes

Select New SNS Topic and give email address

Create





Task is Completed