

Lab Assignment 3

Solution

Steps to follow:

1. First, sign in to the amazon console. Then in services section click on Cloudformation. In that you will get a option to create a stack. When you click the button “create new stack” below page will appear for selecting the template. For this assignment, you select the sample template of WordPress blog and then click on next button.

Select Template

Select the template that describes the stack that you want to create. A stack is a group of related resources that you manage as a single unit.

Design a template Use AWS CloudFormation Designer to create or modify an existing template. [Learn more.](#)

Choose a template A template is a JSON/YAML-formatted text file that describes your stack's resources and their properties. [Learn more.](#)

☒ Select a sample template

[View/Edit template in Designer](#)

☐ Upload a template to Amazon S3

☐ Specify an Amazon S3 template URL

2. Now after selecting the template, specify the details for that stack, the image below shows what details to specify and where to specify.

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

Parameters

DBName The WordPress database name

DBPassword The WordPress database admin account password

DBRootPassword MySQL root password

DBUser The WordPress database admin account username

InstanceType WebServer EC2 instance type

KeyName Name of an existing EC2 KeyPair to enable SSH access to the instances

SSHLocation The IP address range that can be used to SSH to the EC2 instances

- After specifying the details, you will get a page to add tags and the keypair. Don't do anything there and just click on the next button. After pressing the next button you will get the details of the stack you are about to create, that is known as the review page. After reviewing the details click on create button. After clicking on that button you will get the page as below. Now the stack is being created and when it is done it will change from in-progress to complete mode. It is shown in below two figures.



This screenshot shows the AWS CloudFormation console with a single stack named 'Testing' in the 'CREATE_IN_PROGRESS' state. The table below shows the stack details.

	Stack Name	Created Time	Status	Description
<input checked="" type="checkbox"/>	Testing	2017-04-17 17:53:57 UTC-0400	CREATE_IN_PROGRESS	AWS CloudFormation Sample Template WordPress_Single_Instance: WordPress is web software you can use to create a beautiful website or blog. This template installs V

Create Stack ▾

Actions ▾

Design template

C ⚙

Filter: Active ▾

By Stack Name

Showing 1 stack

	Stack Name	Created Time	Status	Description
<input checked="" type="checkbox"/>	Testing	2017-04-17 17:53:57 UTC-0400	CREATE_COMPLETE	AWS CloudFormation Sample Template WordPress_Single_Instance: WordPress is web software you can use to create a beautiful website or blog. This template installs W

Overview

Outputs

Resources

Events

Template

Parameters

Tags

Stack Policy

Change Sets

⌵ ⌵ ⌵

Key	Value	Description	Export Name
WebsiteURL	http://ec2-34-210-14-191.us-west-2.compute.amazonaws.com/wordpress	WordPress Website	

- Now when the stack is created a new amazon EC2 instance will be generated. I terminated the instance as I was charged 1\$. I don't know why, maybe it was because of the cloudformation.

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

Name

Instance ID

Instance Type

Availability Zone

Instance State

Status Checks

Alarm Status

Public DNS (IPv4)

i-0c637e55560a119b3

t2.micro

us-west-2b

terminated

None

- Now you go to the stack console, and in that page when you click on output option, you will find a url to your WordPress site. On clicking that url you will get the below page to enter the details you entered during the creation of stack and some details for the website. Please note the password you are creating on this page as you will need it in future to login to your website. The image is shown below for that page.

Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

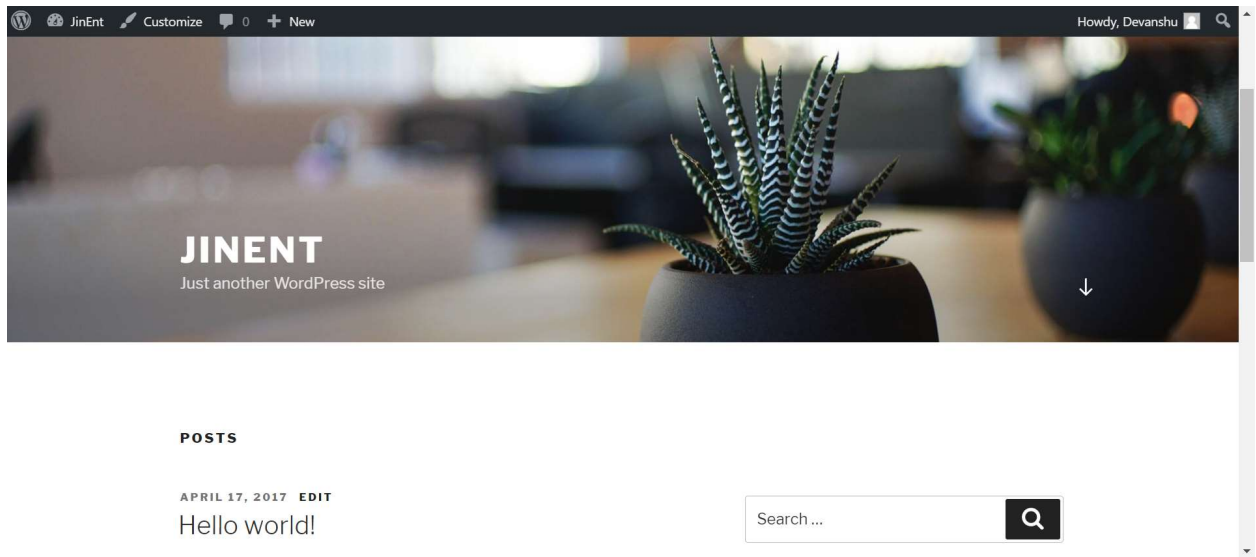
Username
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password
Strong
Important: You will need this password to log in. Please store it in a secure location.

Your Email
Double-check your email address before continuing.

Search Engine Visibility ☐ Discourage search engines from indexing this site
It is up to search engines to honor this request.

- After entering all the details, your website looks like below image.



7. For extra credit, I added some post like Hello world! As you can see in the above image. I also provided the link in the website which migrates to “ww1.gogoanime.com” when clicked on it. The website looks as below.

