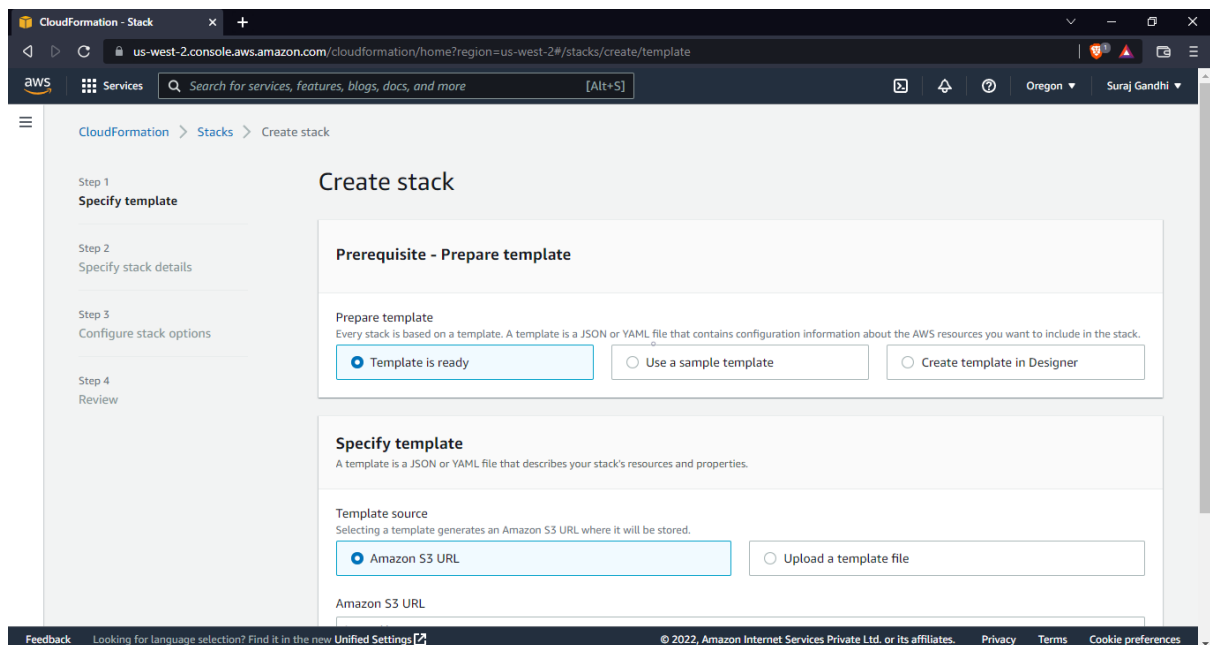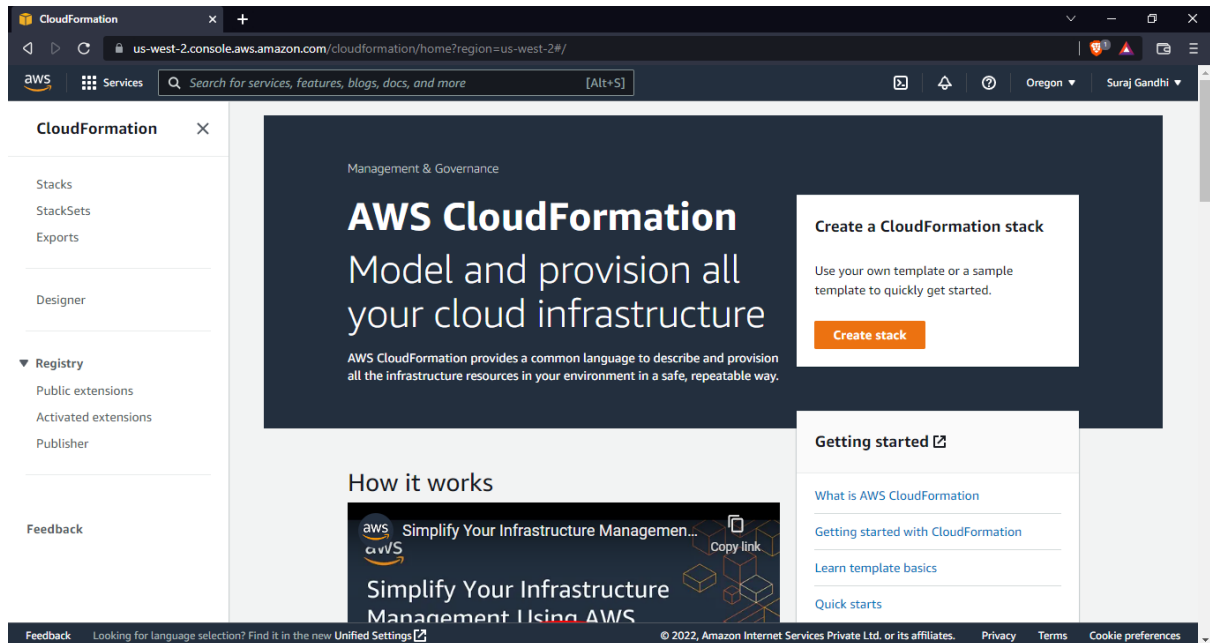# Tutorial 9) Create any stack from template in AWS.

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Course – MSc (DSBDA)

aws   Services   Search for services, features, blogs, docs, and more   [Alt+S]   Oregon ▼   Suraj Gandhi ▼

Specify template

Step 2
Specify stack details

Step 3
Configure stack options

Step 4
Review

Prerequisite - Prepare template

Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.

○ Template is ready   ● Use a sample template   ○ Create template in Designer

Select a sample template   View more sample templates ⧉

Sample templates
This collection of sample templates will help you get started with AWS CloudFormation and quickly build your own templates

LAMP Stack   ▼

S3 URL: https://s3-us-west-2.amazonaws.com/cloudformation-templates-us-west-2/LAMP_Single_Instance.template   **View in Designer**

Cancel   **Next**

---

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CloudFormation > Stacks > Create stack

Step 1
Specify template

Step 2
Specify stack details

Step 3
Configure stack options

Step 4
Review

Specify stack details

Stack name

Stack name

MyDatabase

Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

Parameters
Parameters are defined in your template and allow you to input custom values when you create or update a stack.

DBName
MySQL database name

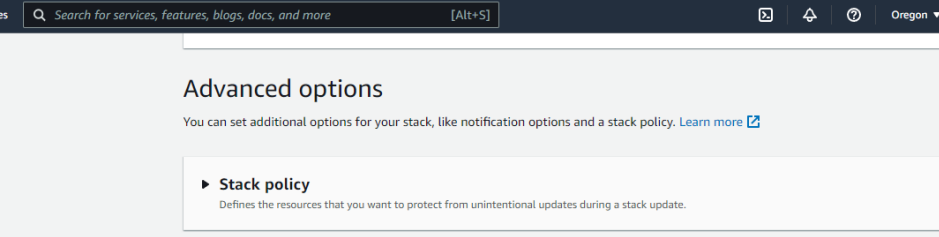MyDatabase

DBPassword
Password for MySQL database access

Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.

DBName
MySQL database name

MyDatabase

DBPassword
Password for MySQL database access

••••••••

DBRootPassword
Root password for MySQL

••••••••

DBUser
Username for MySQL database access

•••••

InstanceType
WebServer EC2 instance type

t2.small   ▼

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

---

Advanced options

You can set additional options for your stack, like notification options and a stack policy. Learn more ⧉

▶ **Stack policy**
Defines the resources that you want to protect from unintentional updates during a stack update.

▶ **Rollback configuration**
Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back. Learn more ⧉

▶ **Notification options**

▶ **Stack creation options**

Cancel   Previous   Next

DBUser	*****	-
InstanceType	t2.small	-
KeyName	LinuxPairKey	-
SSHLocation	0.0.0.0/0	-

Step 3: Configure stack options   Edit

Tags (0)

Search tags   < 1 >

Key ▼	Value ▽

No tags
There are no tags defined for this stack

Permissions

CloudFormation > Stacks > MyDatabase

⊟ Stacks (1)   ⟳

Filter by stack name

Active   ● View nested

< 1 >

MyDatabase   ●
2022-09-24 13:15:03 UTC+0530
ⓘ CREATE_IN_PROGRESS

MyDatabase   Delete   Update   Stack actions ▼   Create stack ▼

Stack info   **Events**   Resources   Outputs   Parameters   Template   Change sets

Events (1)   ⟳   ⚙

Search events   ○

Timestamp ▽	Logical ID	Status	Status reason
2022-09-24 13:15:03 UTC+0530	MyDatabase	ⓘ CREATE_IN_PROGRESS	User Initiated

Delete MyDatabase?

Deleting this stack will delete all stack resources. Resources will be deleted according to their DeletionPolicy. Learn more ↗

Cancel   **Delete stack**