

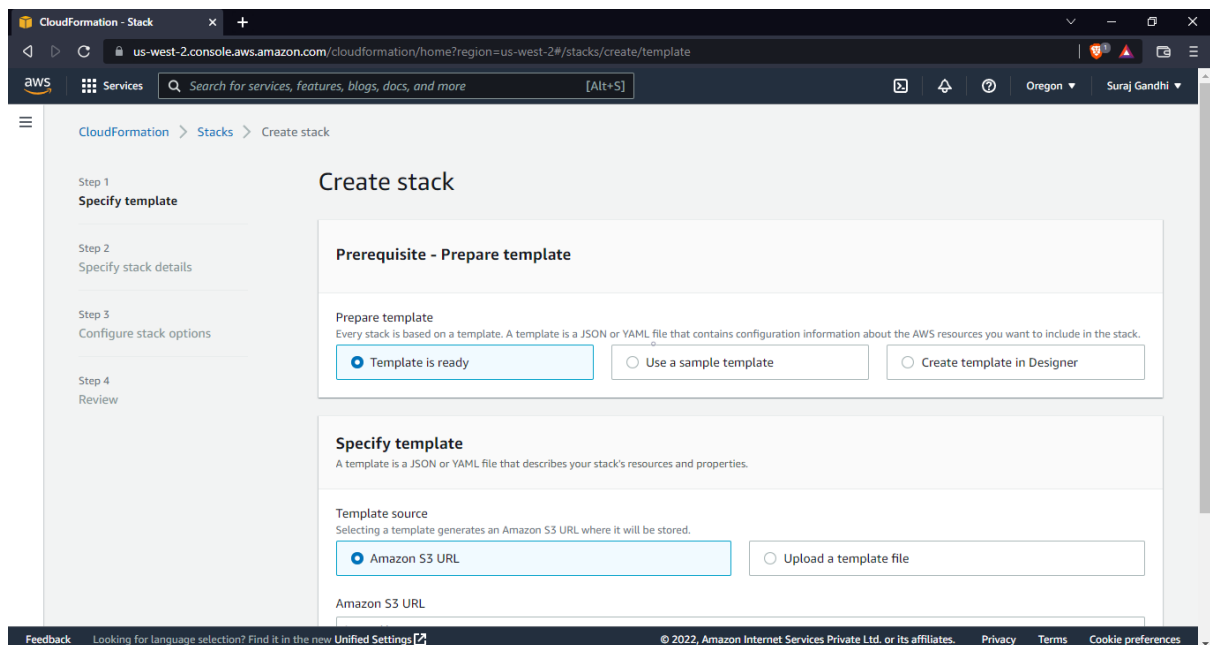
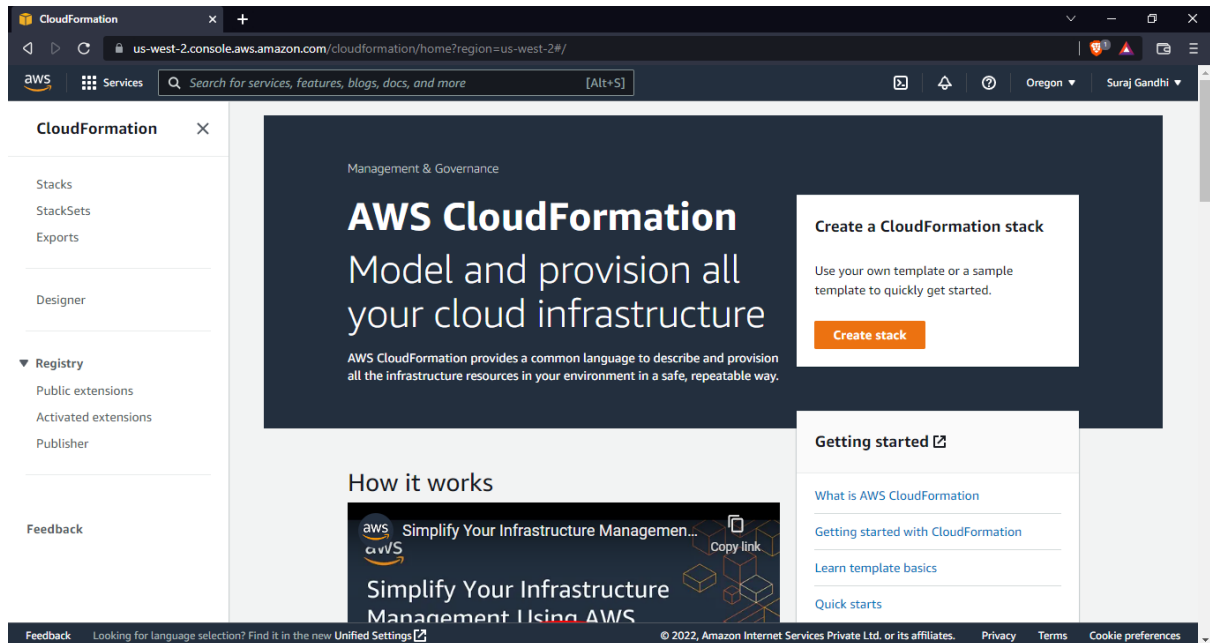
# Tutorial 9) Create any stack from template in AWS.

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Course – MSc (DSBDA)



CloudFormation - Stack

us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/create/template

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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

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CloudFormation - Stack

us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/create/parameters

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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

Feedback

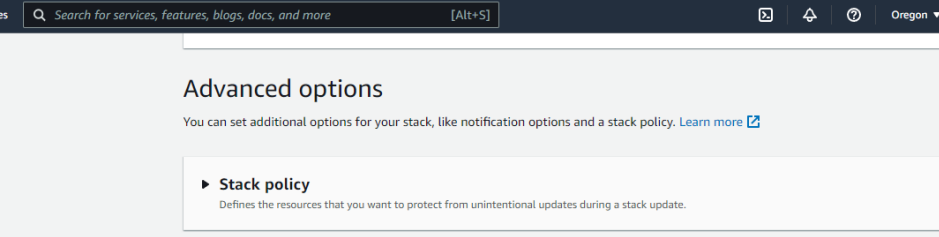
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The screenshot shows the AWS CloudFormation console in the 'us-west-2' region. The 'Advanced options' section is displayed, allowing users to configure additional settings for their stack. The 'Rollback configuration' option is selected, showing details about specifying alarms for monitoring stack creation and updates. The page includes a search bar, navigation links, and a footer with feedback and legal information.

**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**

Navigation: Cancel, Previous, Next

Footer: Feedback, Looking for language selection? Find it in the new Unified Settings, © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy, Terms, Cookie preferences

CloudFormation - Stack

us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/create/summary

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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

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CloudFormation - Stack MyDatabase

us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-west-2%3A0707143384...

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

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

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CloudFormation - Stack MyDatabase Instances | EC2 Management Console

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#instances:

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New EC2 Experience Tell us what you think

EC2 Dashboard  
EC2 Global View  
Events  
Tags  
Limits

Instances

Instances **New**  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances **New**  
Dedicated Hosts  
Scheduled Instances  
Capacity Reservations

Images

Instances (1) Info

Find instance by attribute or tag (case-sensitive)

Connect Instance state Actions Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	-	i-08072b1aaf84384ce	Running	t2.small	Initializing	No alarms	us-west-2c

Select an instance

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CloudFormation - Stack MyDatabase

us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-west-2%3A0707143384...

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CloudFormation > Stacks > MyDatabase

Stacks (1)

Filter by stack name

Active View nested stacks

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

Delete MyDatabase?

Deleting this stack will delete all stack resources. Resources will be deleted according to their DeletionPolicy. [Learn more](#)

Cancel Delete stack

Status reason  
User Initiated

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