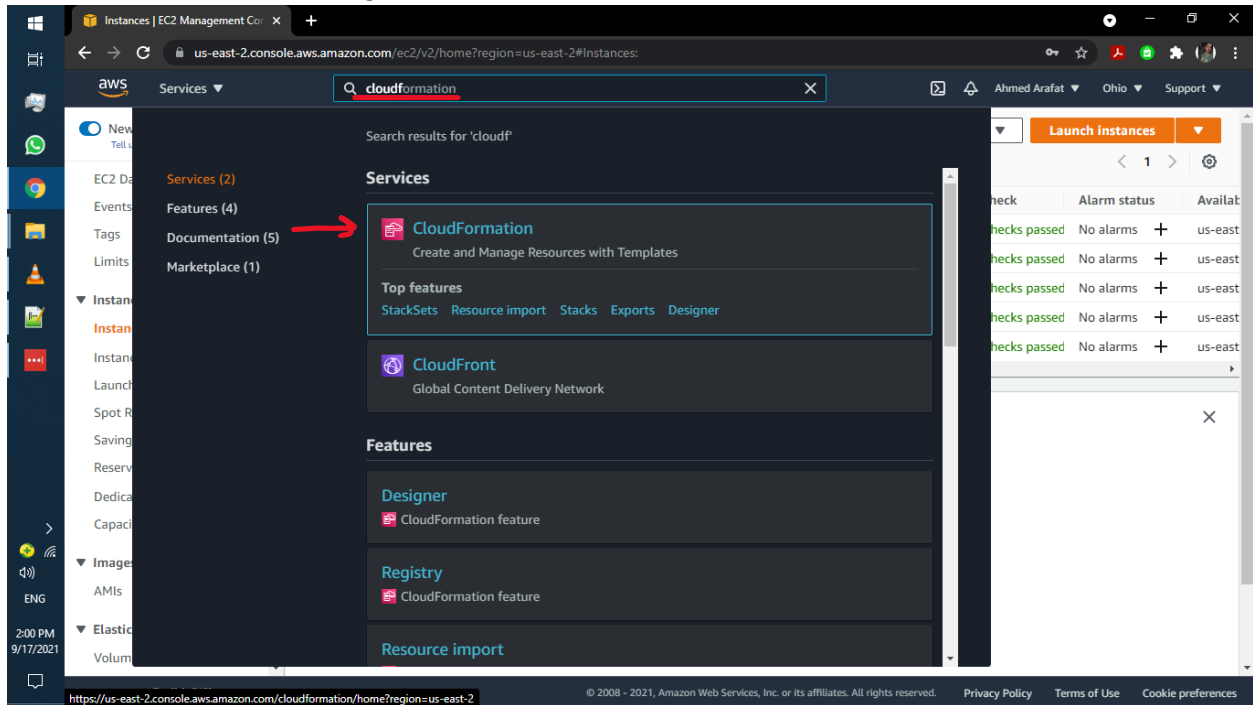
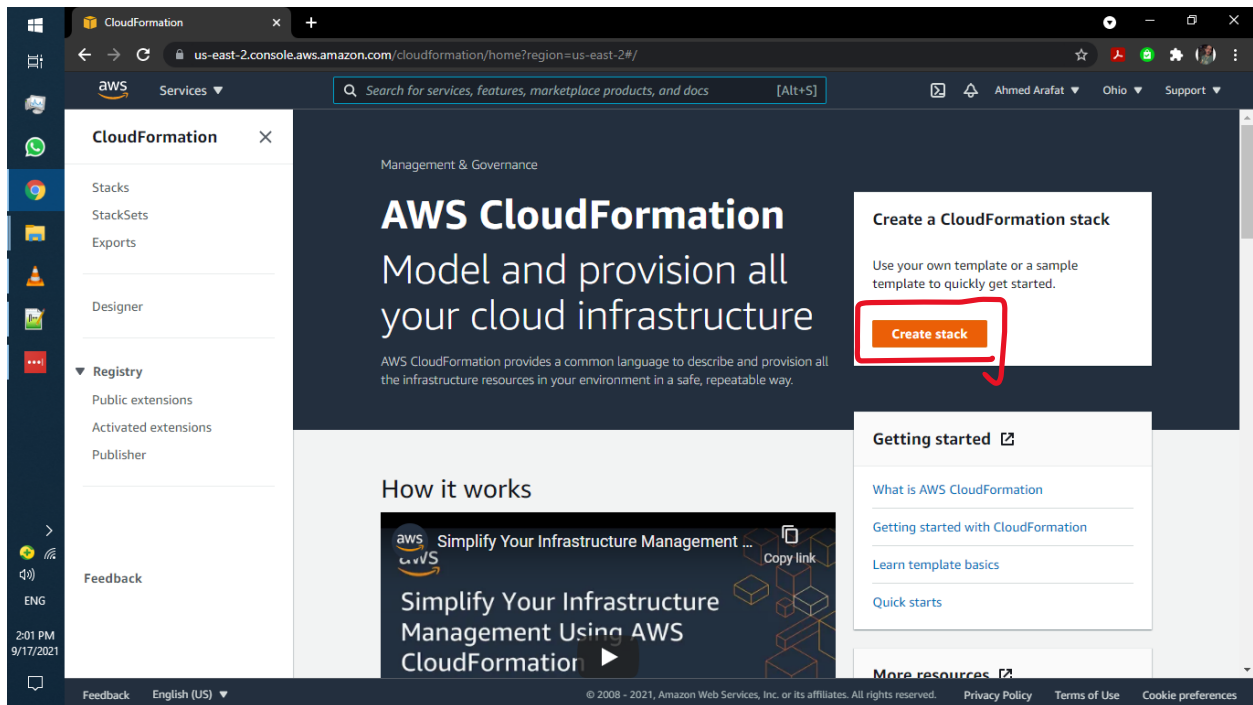


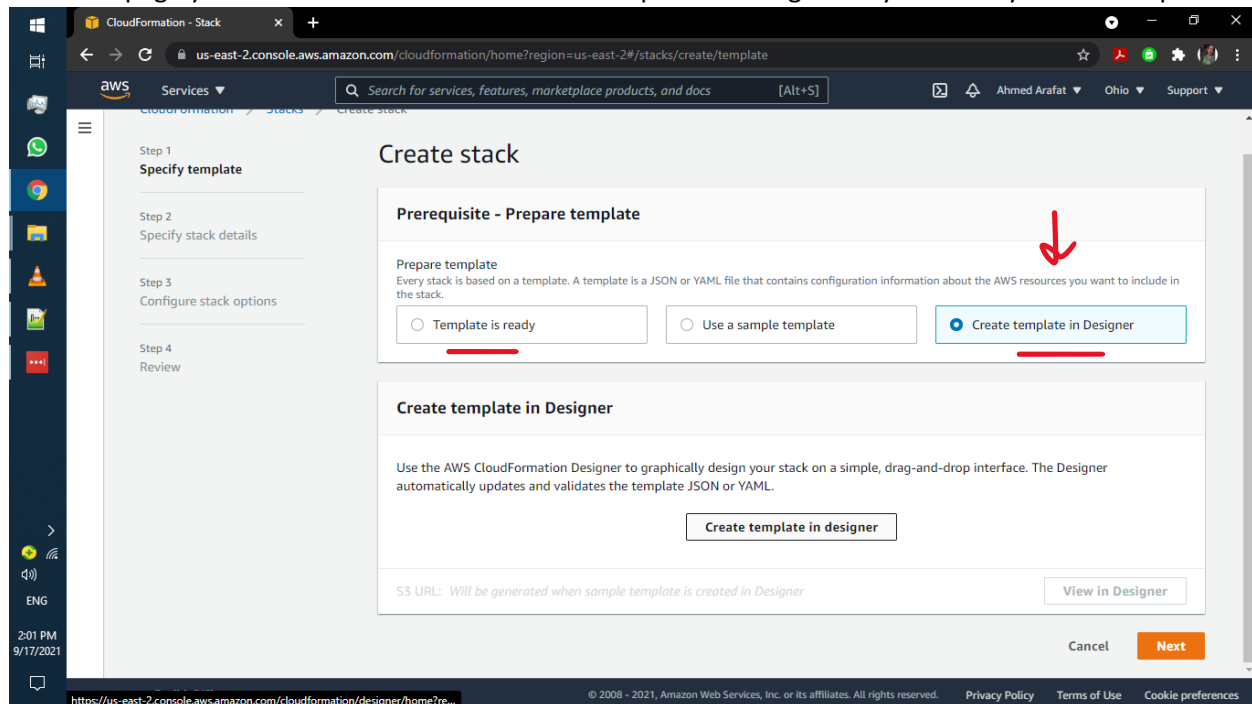
First go to CloudFormation Menu or search for it in bar



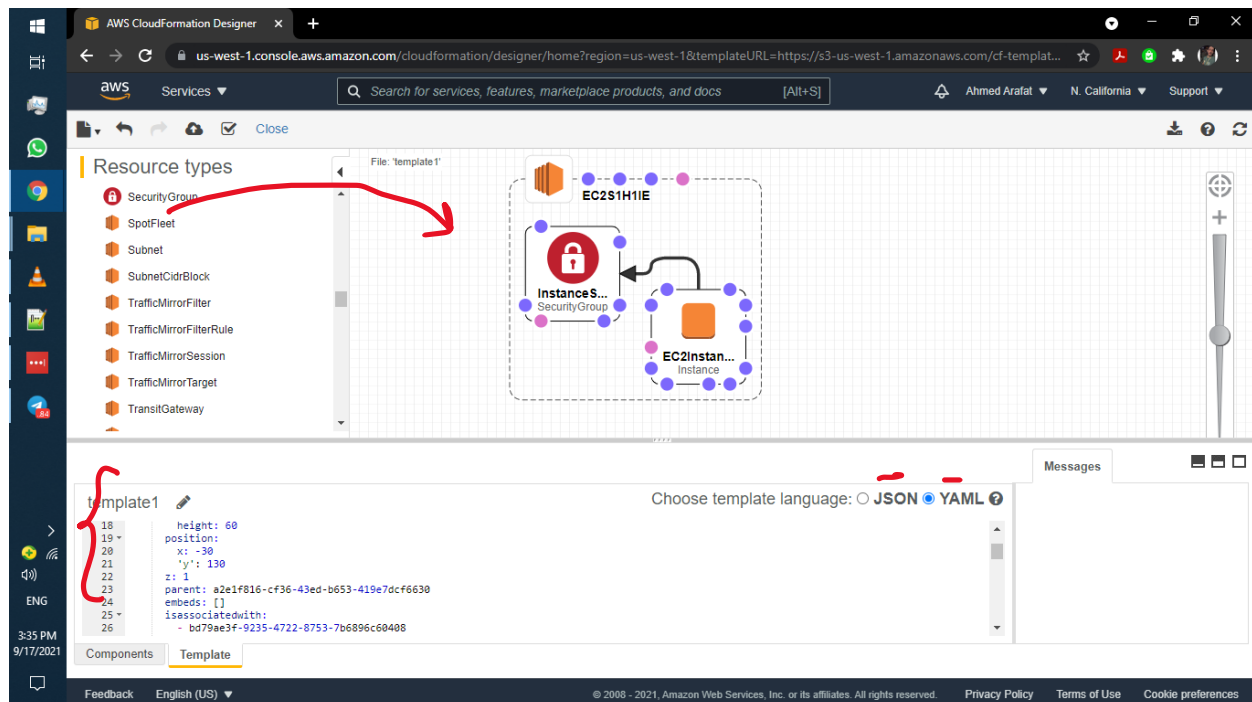
In CloudFormation Menu Click on Create Stack Button



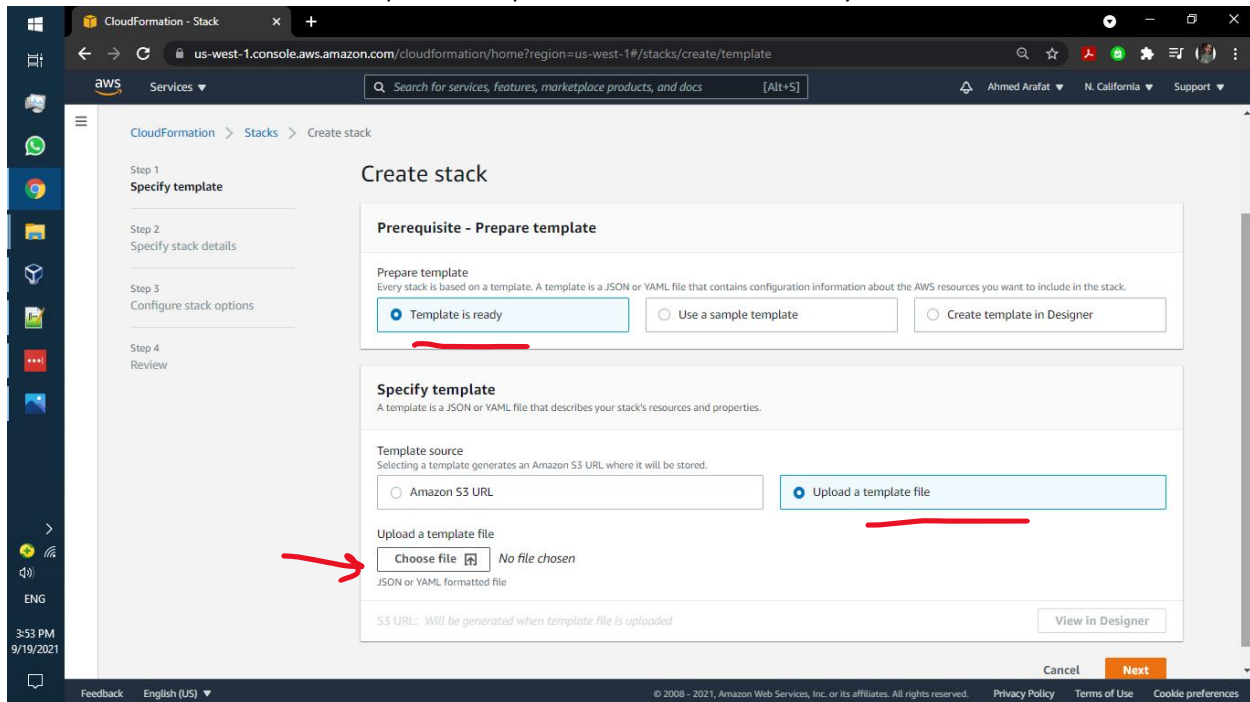
In this page you can choose either to create a template in Designer or you already have a template



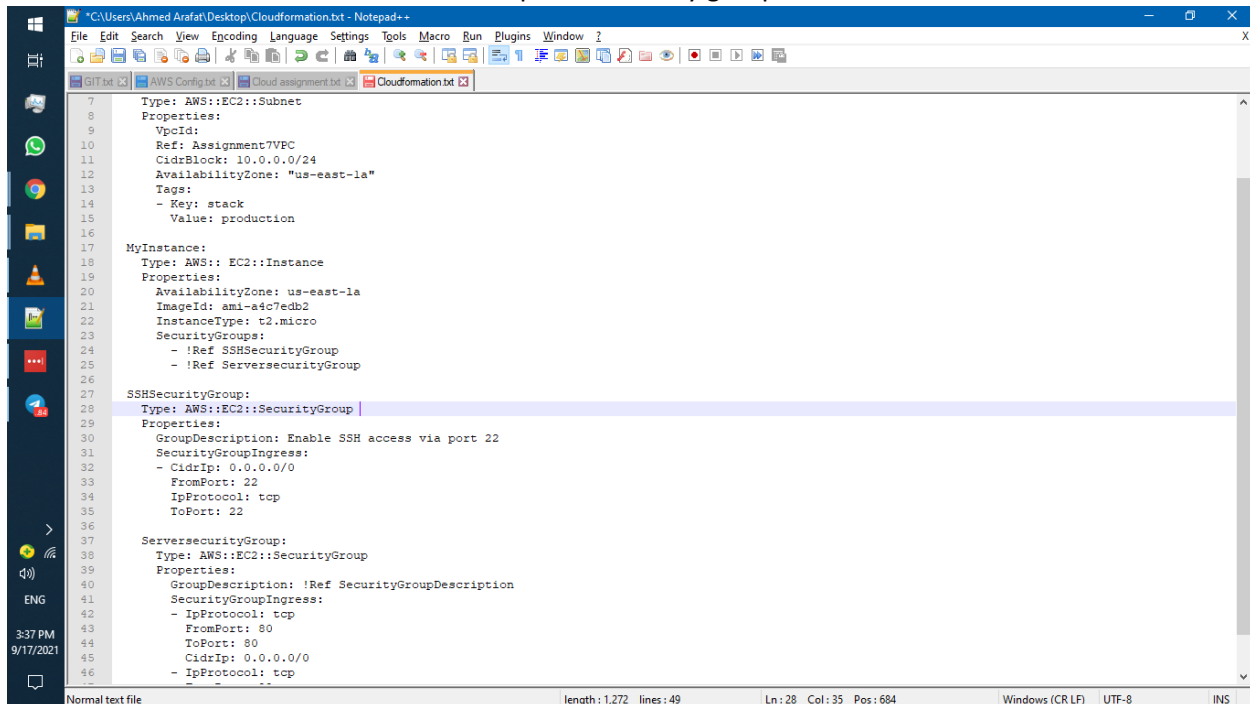
In the designer page you can just drag and drop needed Resources and then edit there JSON or YAML file



But we will use first option as template is already created in a .YAML file. Then choose Upload a template file option then choose file from you PC



This is the .YAML file that will be used to create a stack. It consists of a subnet in a previously created VPC and inside that subnet create an EC2 instance called TestInstance plus adding ssh 20 port and http 80 port in security group



After adding file press next button

CloudFormation - Stack x Launch instance wizard | EC2 M x +

us-west-1.console.aws.amazon.com/cloudformation/home?region=us-west-1#/stacks/create/template

aws Services Search for services, features, marketplace products, and docs [Alt+S] Ahmed Arafat N. California Support

CloudFormation > Stacks > Create stack

Step 1 Specify template

Step 2 Specify stack details

Step 3 Configure stack options

Step 4 Review

Create stack

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

Specify template
A template is a JSON or YAML file that describes your stack's resources and properties.

Template source
Selecting a template generates an Amazon S3 URL where it will be stored.

☐ Amazon S3 URL ☒ Upload a template file

Upload a template file
Choose file JSON or YAML formatted file

S3 URL: <https://s3-us-west-1.amazonaws.com/cf-templates-1nyeq26pl1ph9-us-west-1/20212623A8-TestEC2.yaml>

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Here you can name the stack then hit next button

CloudFormation - Stack x Launch instance wizard | EC2 M x +

us-west-1.console.aws.amazon.com/cloudformation/home?region=us-west-1#/stacks/create/parameters

aws Services Search for services, features, marketplace products, and docs [Alt+S] Ahmed Arafat N. California Support

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

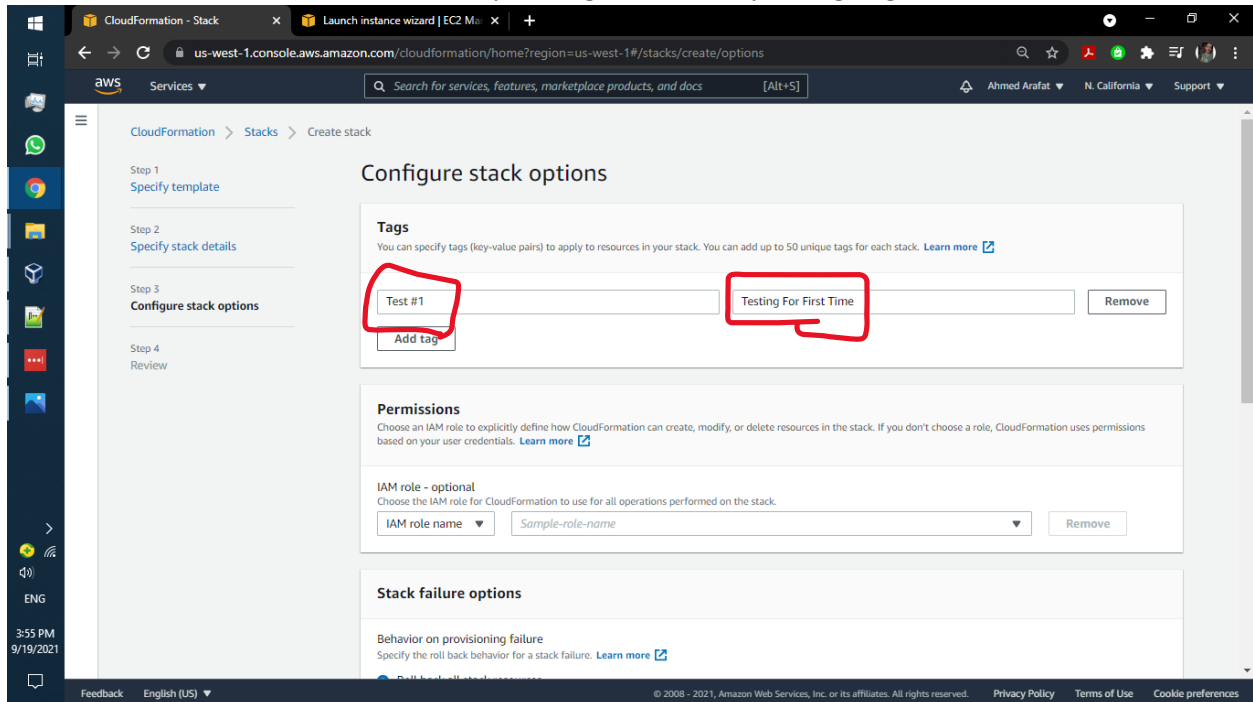
Stack names can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

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

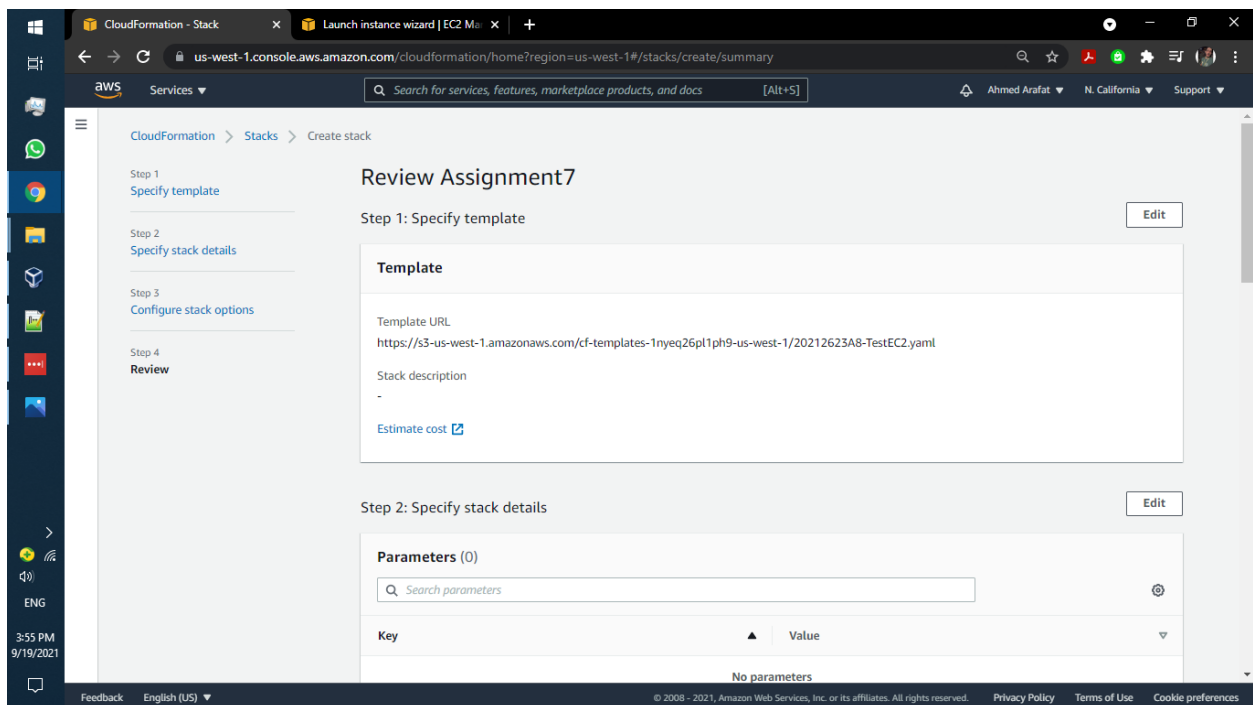
No parameters
There are no parameters defined in your template

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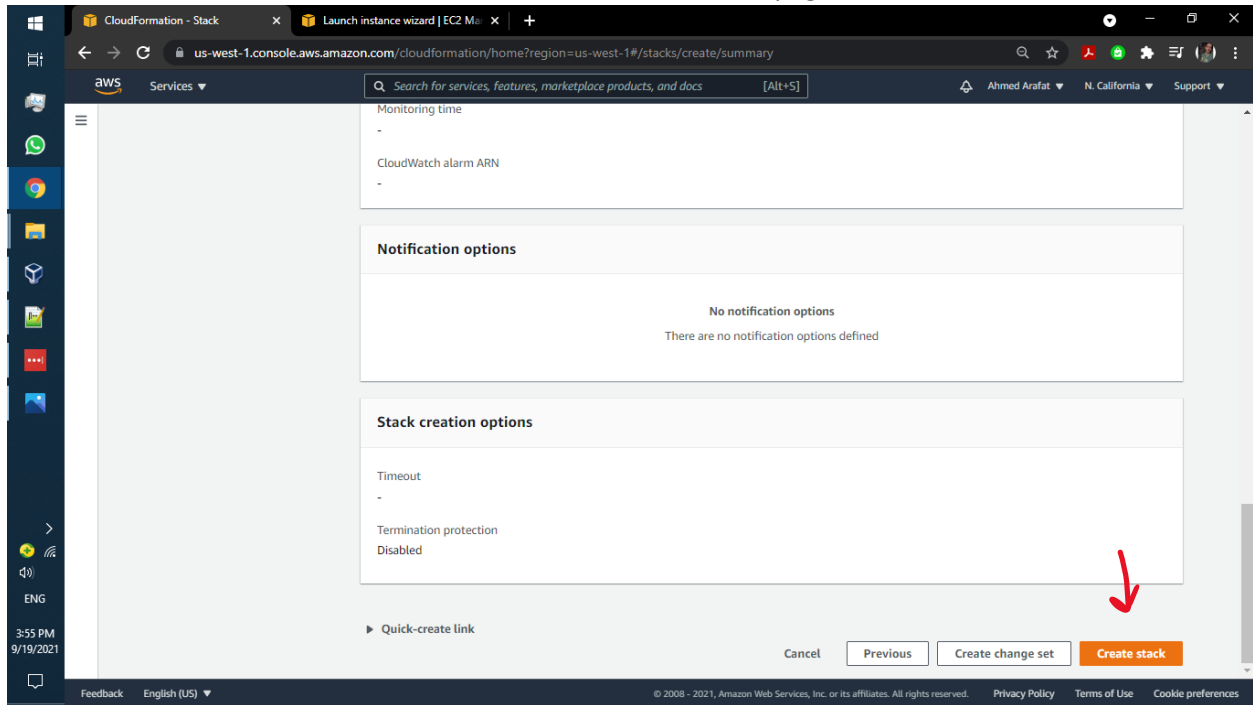
You can add a descriptive tag to the stack you're going to create



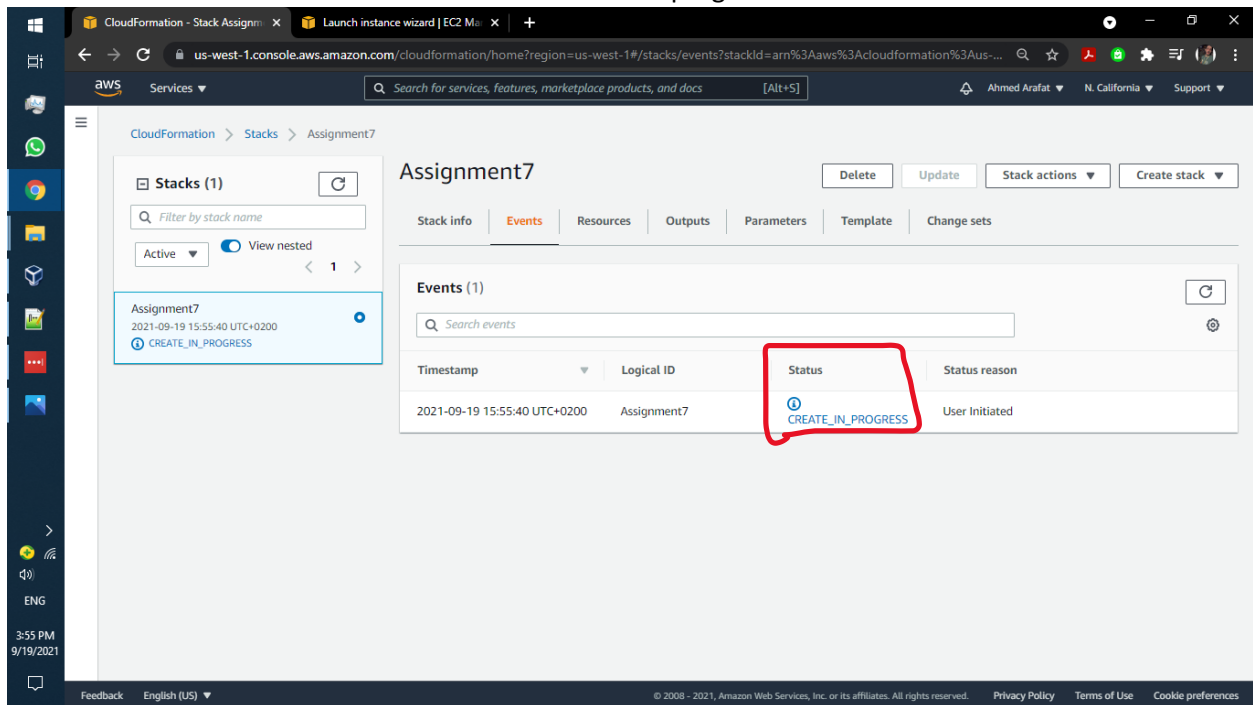
Review data



Hit next button at bottom of page



Now stack is in progress



Server has just intialized the EC2 Instance

The screenshot shows the AWS CloudFormation console for a stack named 'Assignment7'. The 'Events' tab is selected, displaying a table of events. A red box highlights the 'Status' column, which shows 'CREATE_IN_PROGRESS' for the 'TestInstance' and 'Assignment7' resources. The 'Stacks (1)' section on the left shows the stack is in the 'CREATE_IN_PROGRESS' state.

Timestamp	Logical ID	Status	Status reason
2021-09-19 15:55:49 UTC+0200	TestInstance	CREATE_IN_PROGRESS	Resource creation Initiated
2021-09-19 15:55:48 UTC+0200	TestInstance	CREATE_IN_PROGRESS	-
2021-09-19 15:55:40 UTC+0200	Assignment7	CREATE_IN_PROGRESS	User Initiated

Both stack & instance have been created successfully

The screenshot shows the AWS CloudFormation console for the 'Assignment7' stack. The 'Events' tab is selected, displaying a table of events. A red box highlights the 'Status' column, which shows 'CREATE_COMPLETE' for the 'Assignment7' and 'TestInstance' resources. The 'Stacks (1)' section on the left shows the stack is in the 'CREATE_COMPLETE' state.

Timestamp	Logical ID	Status	Status reason
2021-09-19 15:56:02 UTC+0200	Assignment7	CREATE_COMPLETE	-
2021-09-19 15:56:01 UTC+0200	TestInstance	CREATE_COMPLETE	-
2021-09-19 15:55:49 UTC+0200	TestInstance	CREATE_IN_PROGRESS	Resource creation Initiated
2021-09-19 15:55:48 UTC+0200	TestInstance	CREATE_IN_PROGRESS	-
2021-09-19 15:55:40 UTC+0200	Assignment7	CREATE_IN_PROGRESS	User Initiated