

## Getting started with CloudFormation:

### LAB:

## Create a CloudFormation Stack

The image shows two screenshots from the AWS console. The top screenshot is the CloudFormation console, displaying the 'cfnlab' stack. The 'Events' tab is selected, showing a list of events. The bottom screenshot is the Amazon S3 console, displaying the 'cfn-stacks-833113688824' bucket. The 'Objects' tab is selected, showing a list of objects, including 'cfnlab'.

**CloudFormation Console - cfnlab Stack**

Stacks (2)

- cfnlab  
2022-07-01 17:44:57 UTC+0530  
CREATE\_COMPLETE
- cfnst-3004-821b54aac52d47ebbbbfb4-98ab23e3d  
2022-07-01 16:57:09 UTC+0530  
CREATE\_COMPLETE

Events (5)

Timestamp	Logical ID	Status	Status reason
2022-07-01 17:45:26 UTC+0530	cfnlab	CREATE_COMPLETE	-
2022-07-01 17:45:25 UTC+0530	catpics	CREATE_COMPLETE	-

**Amazon S3 Console - cfn-stacks-833113688824**

Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Create folder Upload

Find objects by prefix

Name	Type	Last modified	Size	Storage class
cfnlab	-	July 1, 2022, 17:45:35 (UTC+05:30)	95.0 B	Standard

## Update the CloudFormation Stack

us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/update/template?stackId=arn%3Aaws%3Acloudformation%3A...

CloudFormation > Stacks > cfnlab > Update stack

## Update stack

Step 1  
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.

☐ Use current template ☒ Replace current template ☐ Edit 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

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us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%...

CloudFormation > Stacks > cfnlab

## cfnlab

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Template Change sets

### Events (11)

Search events

Timestamp	Logical ID	Status	Status reason
2022-07-01 17:44:57 UTC+0530		UPDATE_COMPLETE	
2022-07-01 17:52:50 UTC+0530	cfnlab	UPDATE_COMPLETE	
2022-07-01 16:57:09 UTC+0530		CREATE_COMPLETE	
2022-07-01 17:52:49 UTC+0530	cfnlab	UPDATE_COMPLETE_CLEANUP_IN_PROGRESS	

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s3.console.aws.amazon.com/s3/buckets?region=us-east-1

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight

### Buckets (4)

Buckets are containers for data stored in S3. Learn more

Copy ARN Empty Delete Create bucket

Find buckets by name

Name	AWS Region	Access	Creation date
cf-templates-12lg2ayxm9gd-us-east-1	US East (N. Virginia) us-east-1	Bucket and objects not public	July 1, 2022, 17:44:16 (UTC+05:30)
cfn-stacks-833113688824	US East (N. Virginia) us-east-1	Objects can be public	July 1, 2022, 16:57:16 (UTC+05:30)
cfnlab-catpics-1ji6r956ddpzo	US East (N. Virginia) us-east-1	Objects can be public	July 1, 2022, 17:45:05 (UTC+05:30)
cfnlab-dogpics-7jfd0ijj0wj	US East (N. Virginia) us-east-1	Objects can be public	July 1, 2022, 17:52:28 (UTC+05:30)

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us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/update/template?stackId=arn%3Aaws%3Acloudformation%3A... [Alt+S] N. Virginia cloud\_user @ 8331-1368-8824

Configure stack options

Step 4  
Review

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.

☐ Use current template ☒ Replace current template ☐ Edit 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 updatestack2.json  
JSON or YAML formatted file

S3 URL: https://s3-external-1.amazonaws.com/cf-templates-12lg2ayxmv9gd-us-east-1/2022182xiM-updatesack2.json

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us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%... [Alt+S] N. Virginia cloud\_user @ 8331-1368-8824

CloudFormation > Stacks > cfnlab

**Stacks (2)**

Active  < 1 >

cfnlab	2022-07-01 17:44:57 UTC+0530	UPDATE_COMPLETE
cfst-3004-821b54aac52d47ebbbfbfb498ab23e3d	2022-07-01 16:57:09 UTC+0530	CREATE_COMPLETE

**cfnlab**   Stack actions

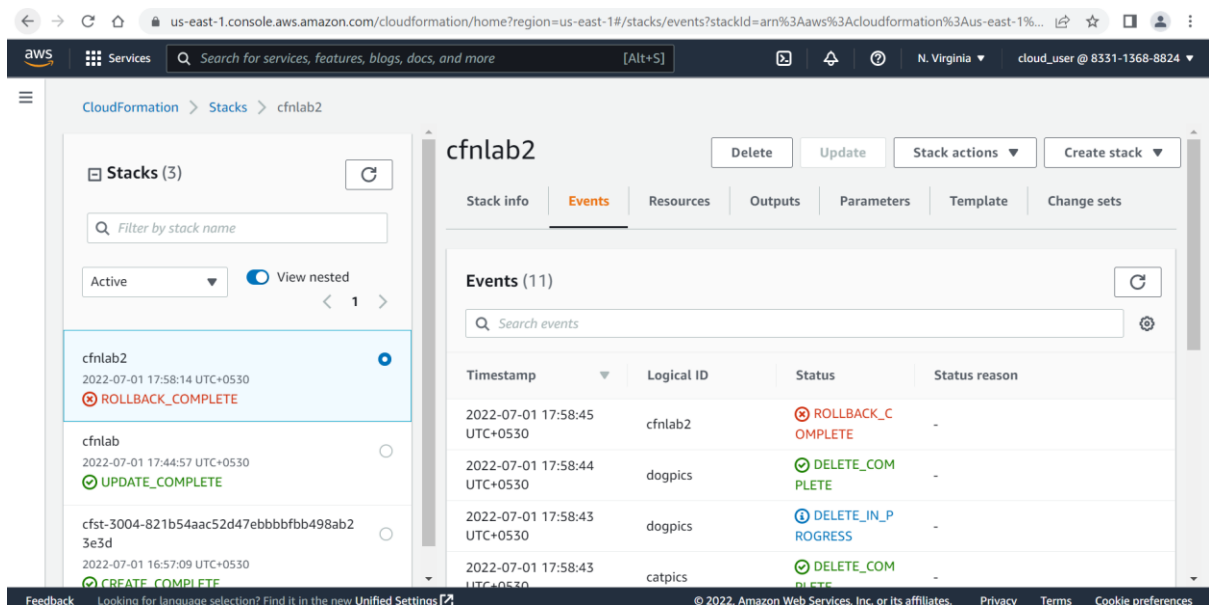
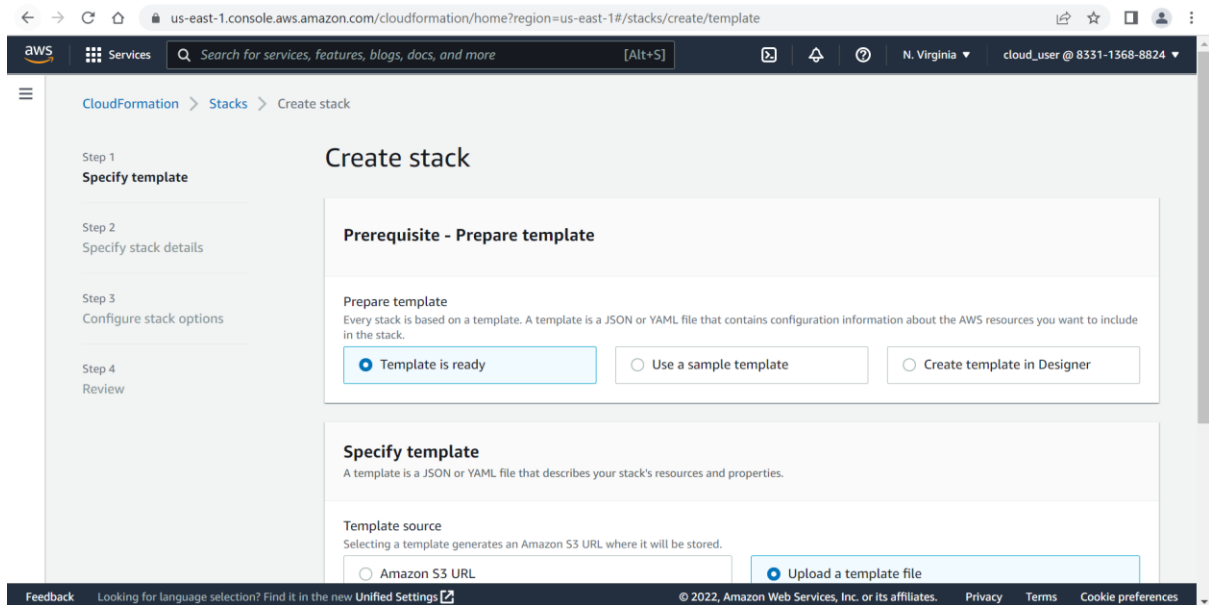
Stack info **Events** Resources Outputs Parameters Template Change sets

**Events (27)**

Timestamp	Logical ID	Status	Status reason
2022-07-01 17:56:53 UTC+0530	cfnlab	UPDATE_COMPLETE	-
2022-07-01 17:56:53 UTC+0530	catpics	DELETE_COMPLETE	-
2022-07-01 17:56:51 UTC+0530	catpics	DELETE_IN_PROGRESS	-
2022-07-01 17:56:50 UTC+0530	catpics	UPDATE_COMPLETE_CLEANUP_IN_PROGRESS	-

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Add CloudFormation Stacks



## Delete CloudFormation Stacks

