

Stacks

StackSets

Exports

Designer

▼ Registry

Public extensions

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Publisher

Feedback

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.

Resource types

- ▶ ACMPCA
- ▶ APS
- ▶ AccessAnalyzer
- ▶ AmazonMQ
- ▶ Amplify
- ▶ AmplifyUIBuilder
- ▶ ApiGateway
- ▶ ApiGatewayV2

File: 'new.template'

To start building your template, drag resources from the Resources pane.

Parameters

Mappings

Conditions

Metadata

Outputs

Messages

new.template 

Choose template language: ☒ JSON ☐ YAML 

```
1 {  
2   "Parameters": {}  
3 }
```

Components

Template

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.

☒ 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 

No file chosen

JSON or YAML formatted file

CF 1.101 - 18/11 has generated when template file is uploaded

[View in Designer](#)

Step 1
Specify template

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Specify stack details

Stack name

Stack name

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.

No parameters

There are no parameters defined in your template

Step 1
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Review


Configure stack options

Tags

You can specify tags (key-value pairs) to apply to resources in your stack. You can add up to 50 unique tags for each stack. [Learn more](#) 

<input type="text" value="Key"/>	<input type="text" value="Value"/>	<input type="button" value="Remove"/>
<input type="button" value="Add tag"/>		

Permissions

Choose an IAM role to explicitly define how CloudFormation can create, modify, or delete resources in the stack. If you don't choose a role, CloudFormation uses permissions based on your user credentials. [Learn more](#) 

Behavior on provisioning failure

Specify the roll back behavior for a stack failure. [Learn more](#) 

☒ **Roll back all stack resources**

Roll back the stack to the last known stable state.

☐ **Preserve successfully provisioned resources**

Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.

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](#) 

Stacks (1)

Filter by stack name

Active

View nested

< 1 >

S3CreationStack

2022-02-18 14:19:10 UTC+0530

CREATE_IN_PROGRESS

S3CreationStack

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
2022-02-18 14:19:10 UTC+0530	S3CreationStack	CREATE_IN_PROGRESS	User Initiated

S3CreationStack

Stacks (1)



Filter by stack name

Active

View nested

< 1 >

S3CreationStack

2022-02-18 14:19:10 UTC+0530

CREATE_COMPLETE



Events (5)



Search events



Timestamp	Logical ID	Status	Status reason
2022-02-18 14:19:38 UTC+0530	S3CreationStack	CREATE_COMPLETE	-
2022-02-18 14:19:37 UTC+0530	S3B54X	CREATE_COMPLETE	-
2022-02-18 14:19:15 UTC+0530	S3B54X	CREATE_IN_PROGRESS	Resource creation Initiated
2022-02-18 14:19:15 UTC+0530	S3B54X	CREATE_IN_PROGRESS	-
2022-02-18 14:19:10 UTC+0530	S3CreationStack	CREATE_IN_PROGRESS	User Initiated