

## 😊 Output

1. In this lab you are going to learn how to print output in CloudFormation.
2. There is a section of outputs where you can see any output that is given by the stack when it was creating or after it created. Outputs can be used for two purposes, one, to print and second to export the values in other cloud formation template. When you're using nested stack, this can turn out to be very vital information.
3. Now in the code part there is no major change. The code is same as before in the previous lab but here I have just added the Output part which you can see below in the snapshot.
4. You can get this code from GitHub and use it.

```
55  Outputs:
56      PrintSomeInfo:
57          Value: !GetAtt
58              - MyInstance
59              - PublicDnsName
```

5. Again, in the CloudFormation create your stack upload the template and wait until it gets created.

**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

☐ Sync from Git - new

Provide an Amazon S3 URL to your template.

Upload your template directly to the console.

Sync a template from your Git repository.

Upload a template file

output.yaml

JSON or YAML formatted file

S3 URL: <https://s3.us-east-2.amazonaws.com/cf-templates-kmi81w4ukk76-us-east-2/2024-02-21T164912.211Zods-output.yaml>

### Provide a stack name

Stack name

demo-output

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.

**InstanceTypeParameter**  
Enter t2.micro, m1.small, or m1.large. Default is t2.micro.

t2.micro

**KeyName**  
Name of EC2 login key

demo-parameter-01

**NameOfService**  
The name of the service this stack is to be used for.

demo-ec2-output

6. Here you can see that your stack is created successfully. Now you need to go to outputs.

CloudFormation > Stacks > demo-output

Stacks (1)

Filter by stack name

Filter status: Active

View nested

Stacks
<div>demo-output</div> <div>2024-02-21 22:19:57 UTC+0530</div> <div>CREATE_COMPLETE</div>

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

Events (8)

Search events

Timestamp	Logical ID	Status	Status reason
2024-02-21 22:20:40 UTC+0530	demo-output	CREATE_COMPLETE	-
2024-02-21 22:20:38 UTC+0530	MyInstance	CREATE_COMPLETE	-
2024-02-21 22:20:07 UTC+0530	MyInstance	CREATE_IN_PROGRESS	Resource creation Initiated
2024-02-21 22:20:05 UTC+0530	MyInstance	CREATE_IN_PROGRESS	-
2024-02-21 22:20:04 UTC+0530	DemoSG	CREATE_COMPLETE	-
2024-02-21 22:20:04 UTC+0530	DemoSG	CREATE_IN_PROGRESS	Resource creation Initiated
2024-02-21 22:19:59 UTC+0530	DemoSG	CREATE_IN_PROGRESS	-
2024-02-21 22:19:57 UTC+0530	demo-output	CREATE_IN_PROGRESS	User Initiated

7. Here you can see the output which the DNS name of your EC2 instance.

Delete

Update

Stack actions ▼

Create stack ▼



Stack info

Events

Resources

Outputs

Parameters

Template

Change sets

Gi



## Outputs (1)

 Search outputs

1



Key ▲	Value ▼	Description ▼	Export name ▼
PrintSomeInfo	<a href="#">ec2-3-12-161-47.us-east-2.compute.amazonaws.com</a>	-	-

8. Once you are done delete your stack.