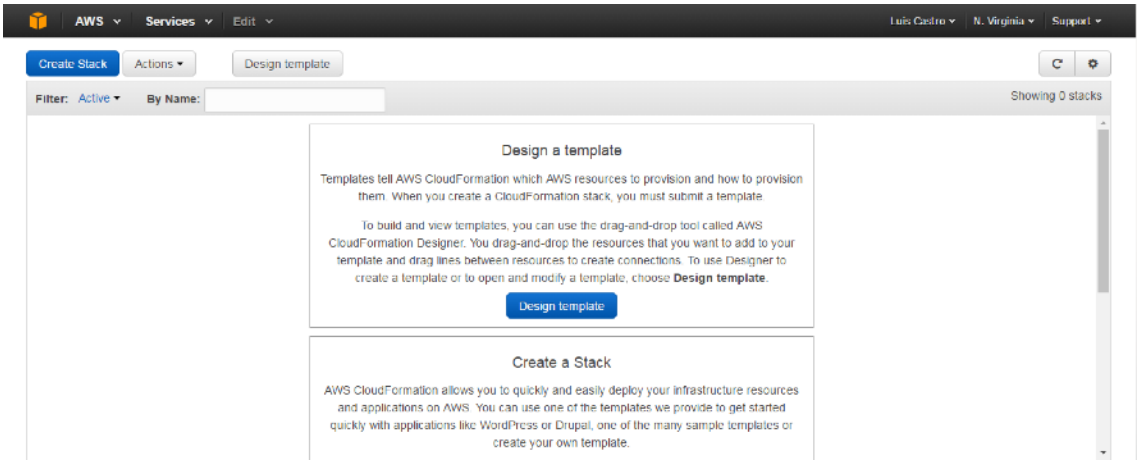
Paso 1

Acceder a la consola de AWS mediante el siguiente link:

https://lcastrose.signin.aws.amazon.com/console

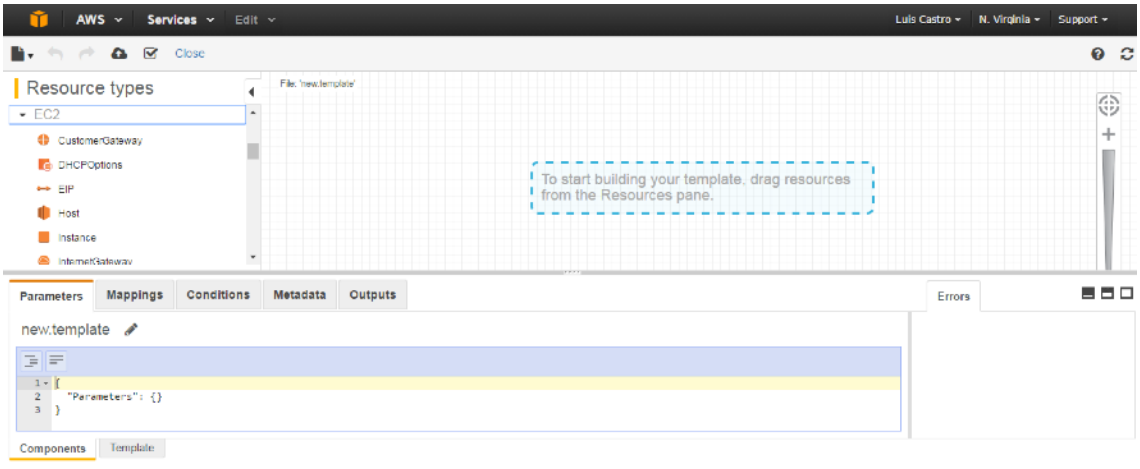
Paso 2

Ingresar al servicio de **CloudFormation** y escoger **Design Template**



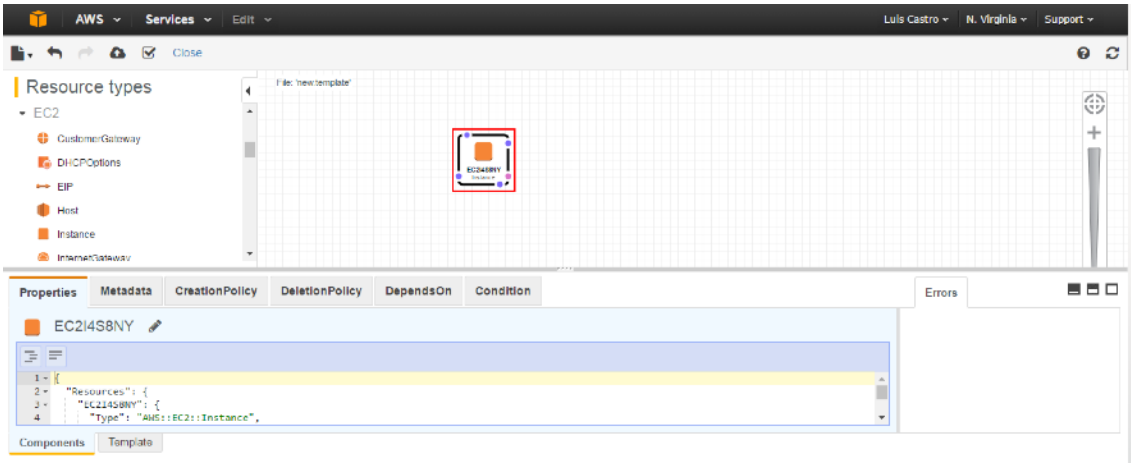
Paso 3

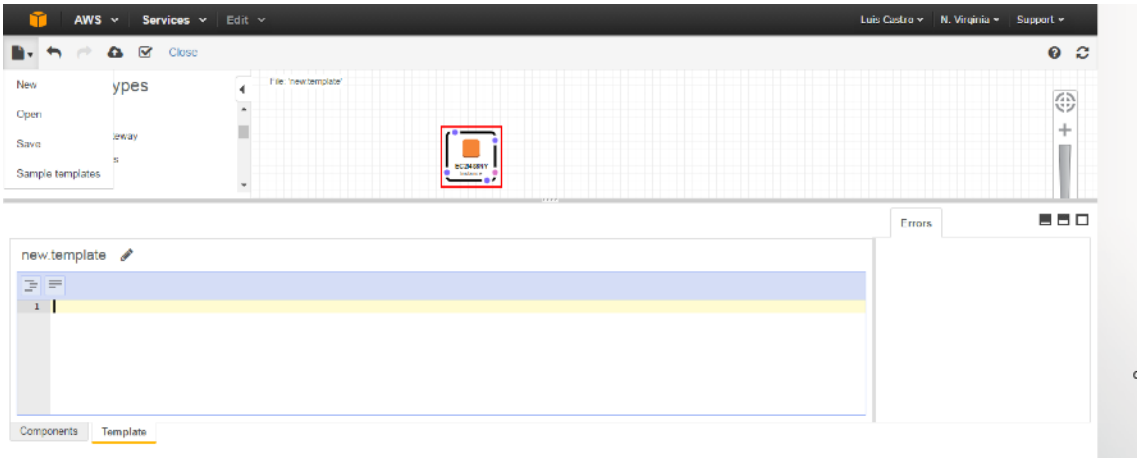
Dentro de **Resource Type** escoger **EC2>Instance** y arrastrar el icono al panel



Paso 4

Marcar la instancia y en el menú de abajo en **Properties** seleccionar **Template** y borrar el template existente



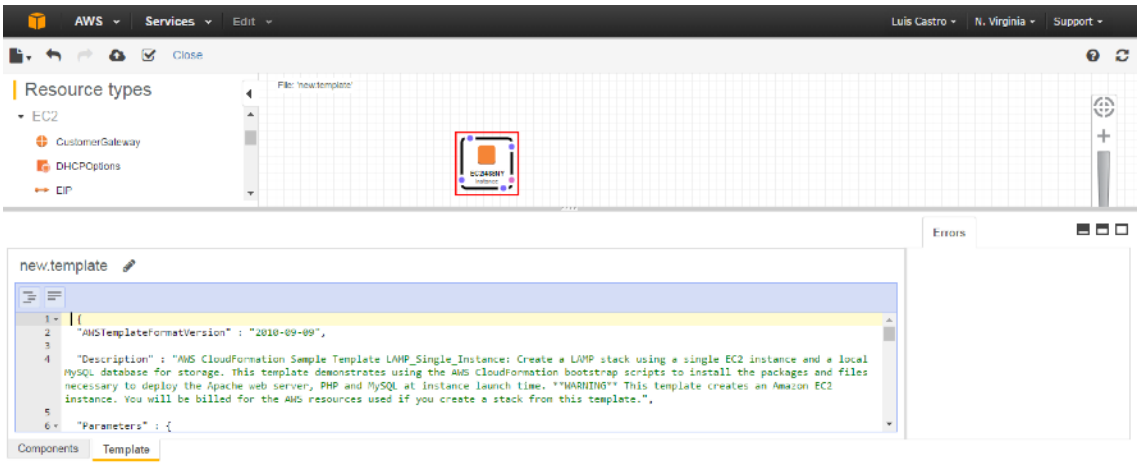


Paso 5

Del archivo enviado por correo utilice el llamado:

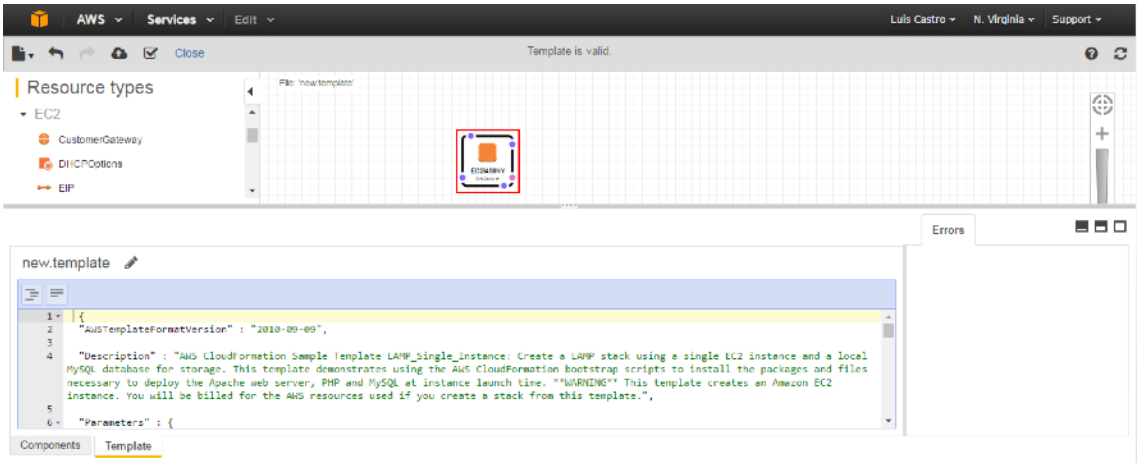
- **EC2_SG.json**

Copie el código y péguelo nuevamente en el campo de **Template**



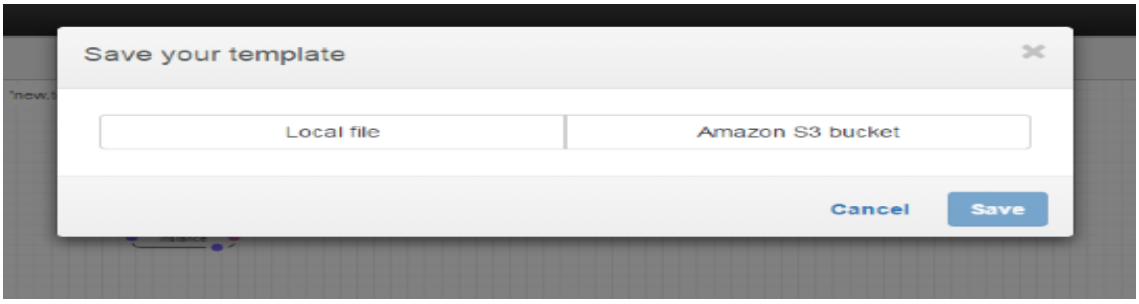
Paso 6

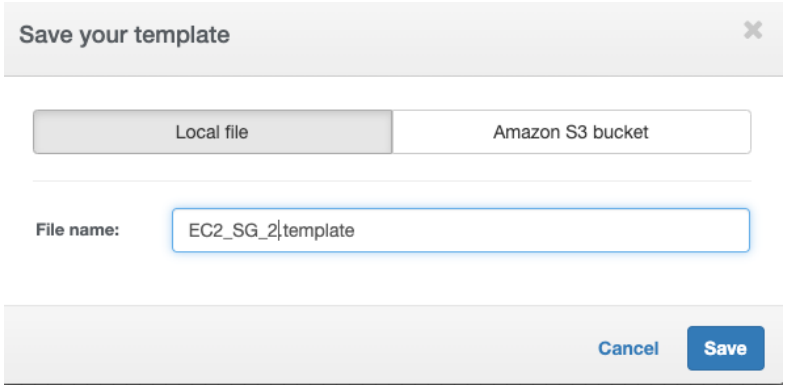
Haga click en el Check que se encuentran en la barra principal **"Validate Template"** y espere que se ejecute la validación del Template hasta que aparezca **"Template is Valid"**



Paso 7

En el menú principal haga click en el icono en forma de hoja y entre en **save** para salvar el **template** con el nombre **EC2_SG_2.json**

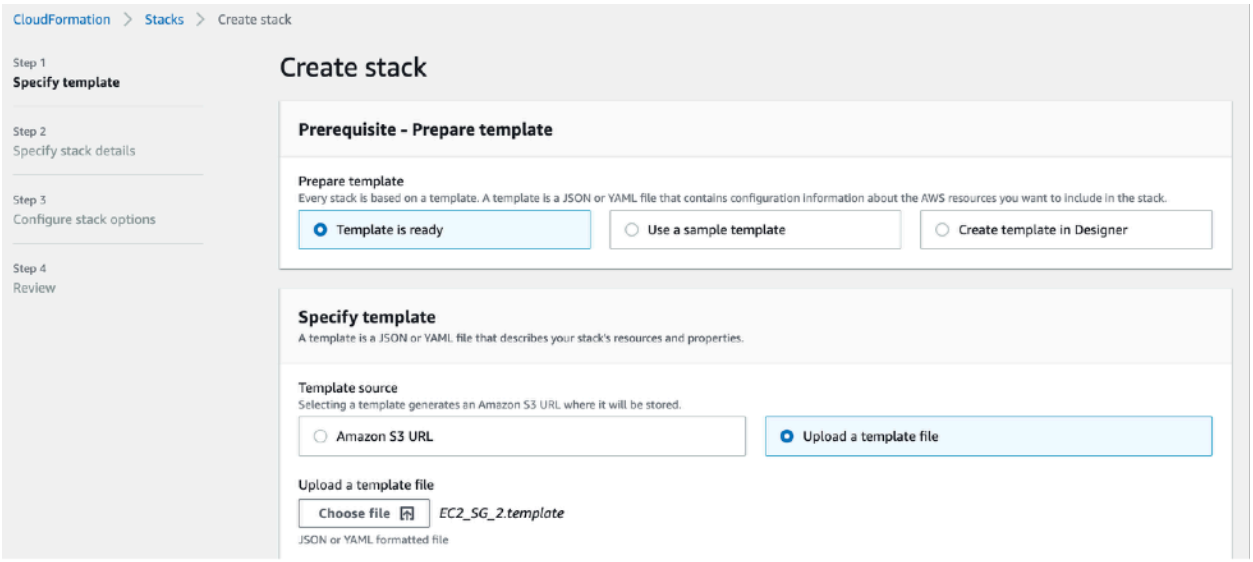




Paso 8

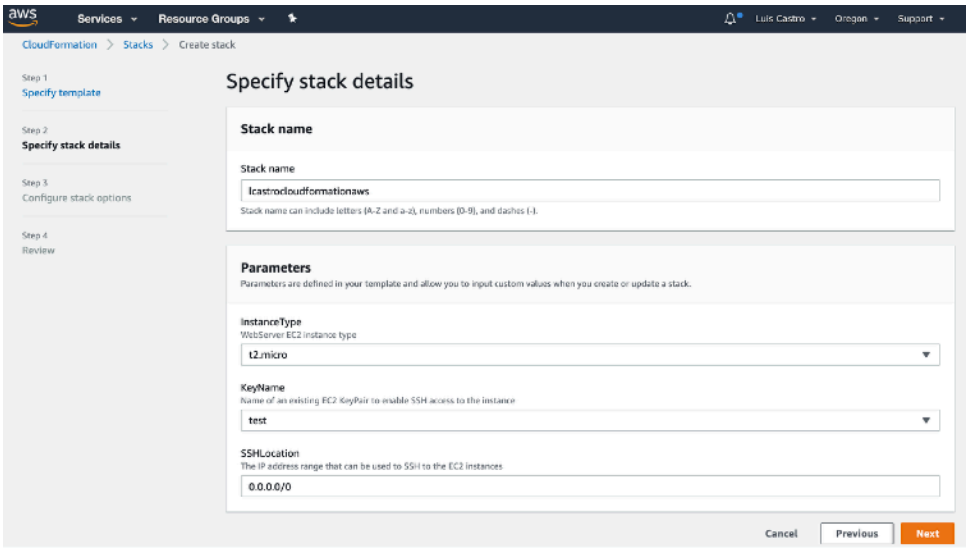
Haga Click en el icono en forma de nube de la barra principal que se llama **Create Stack**

Busque el archivo creado anteriormente **EC2_SG_2.template** y hacer click en **Next.**



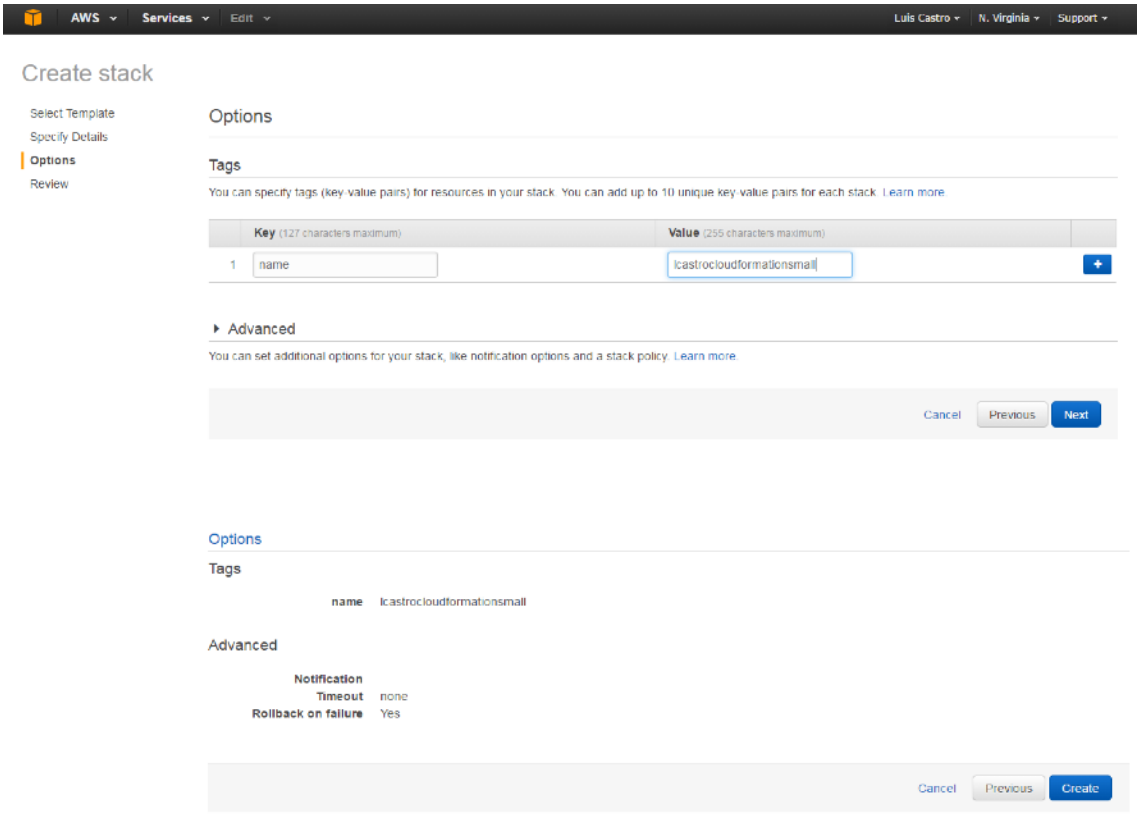
Paso 9

- **Stack Name**
    - Nombre de usuario + cloudformationaws
        - **Ej: lcastrocloudformationaws**
- **Instance Type**
    - T2.small (Verifique que por default la instancia seleccionada sea T2.small y cámbielo a t2.micro)
- **KeyName**
    - La llave SSH utilizada en el laboratorio anterior



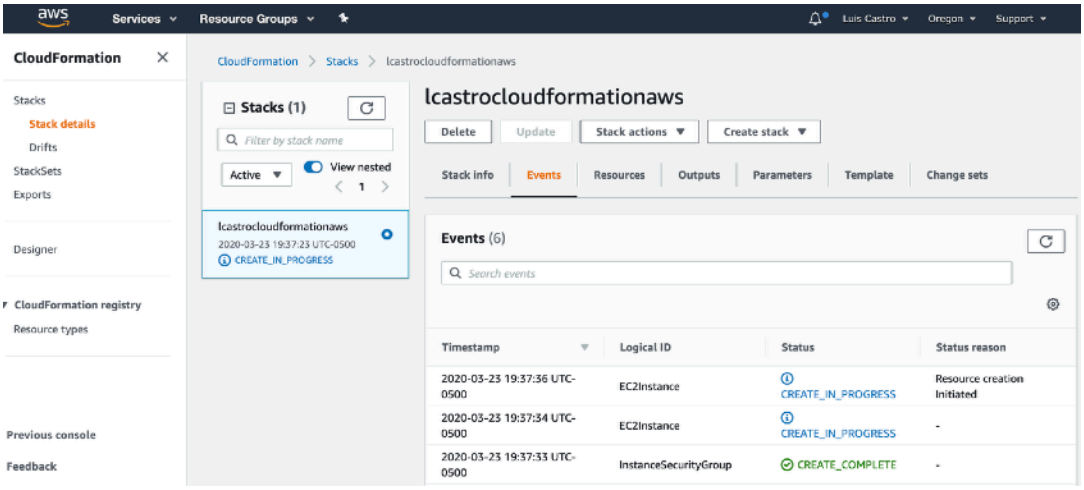
Paso 10

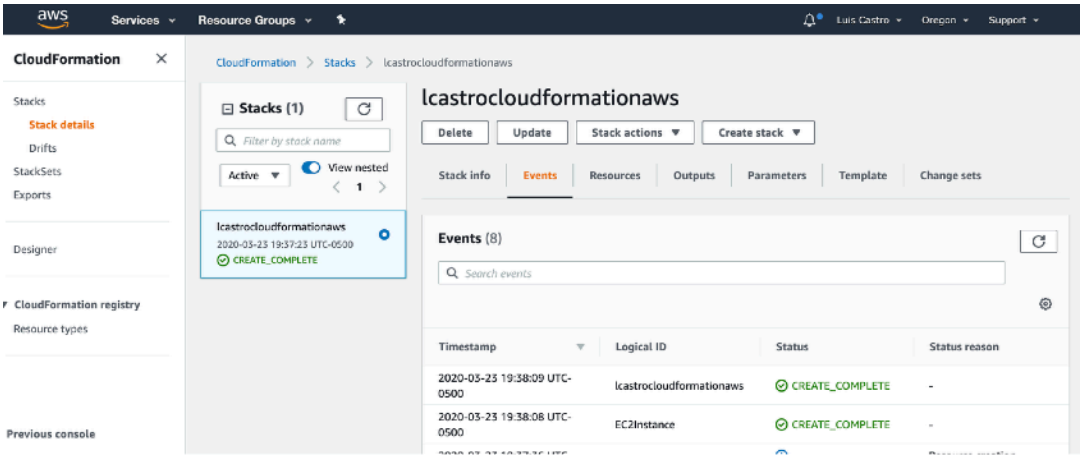
- **Key**
    - Name
- **Value**
    - Nombre de usuario + cloudformationsmall
        - Ej: lcastrocloudformationsmall
- **Create**

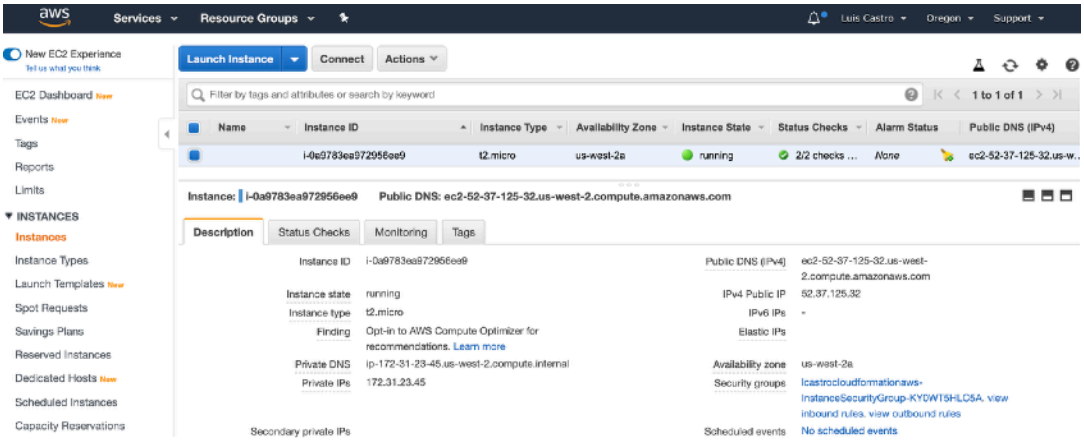


Paso 11

- Validar que el **stack** este siendo creado y que se este creando una maquina **EC2**







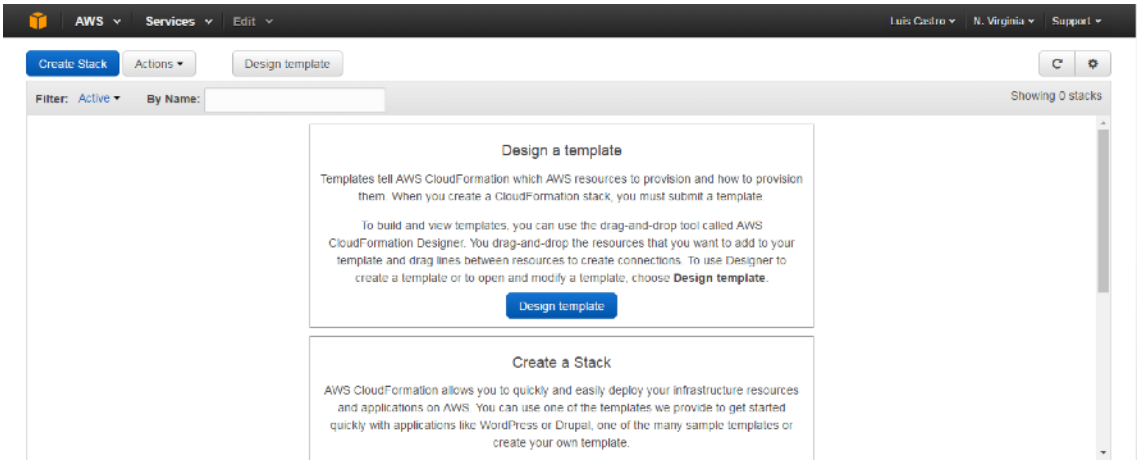
Paso 12

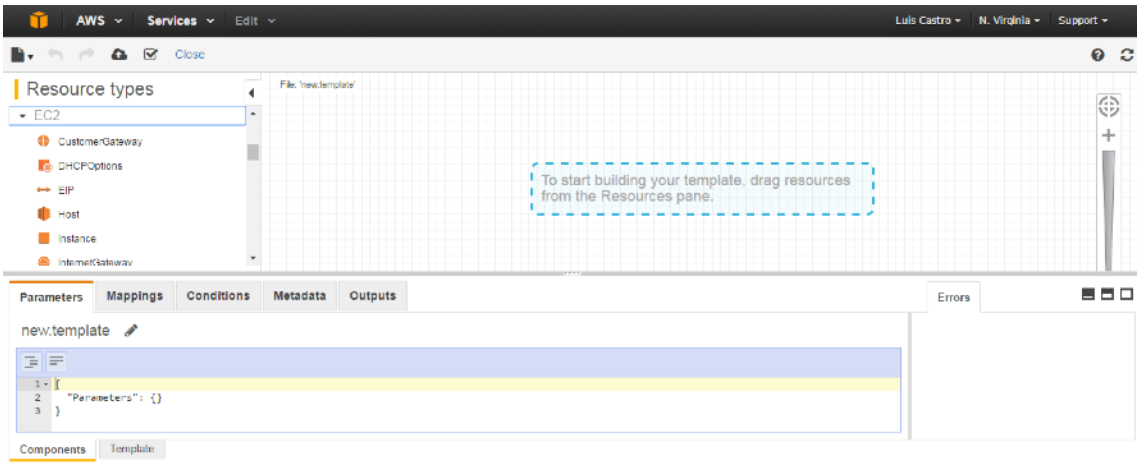
- **Buscar el** archivo creado anteriormente llamado:
    - **EC2_SG_2**
- Abrir el archivo y Modificar el valor default de la maquina de **T2.Small** a **T2.Micro** de la siguiente forma:
    - **“Default”: t2.micro**

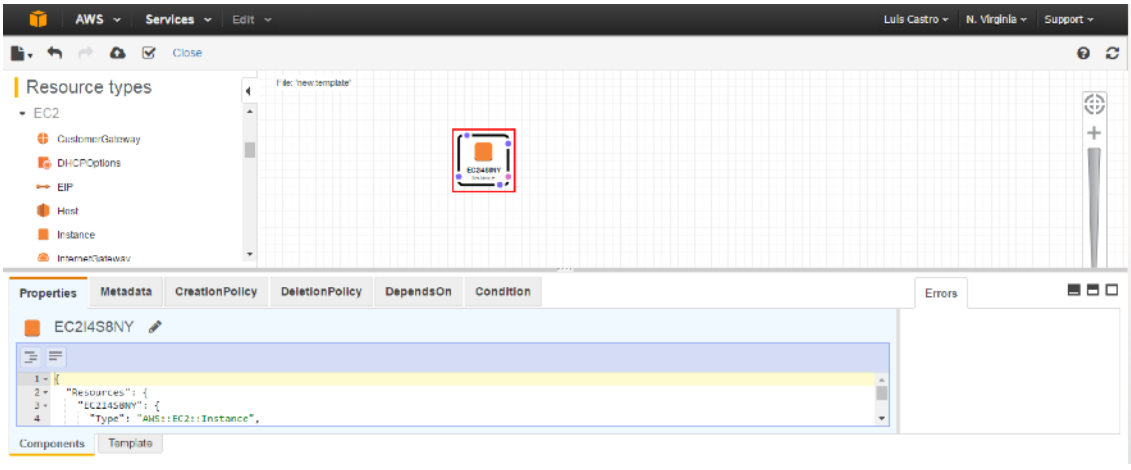
```
"Type" : "String",

"Default" : "t2.micro",

"AllowedValues" : [ "t1.micro", "t2.nano", "t2.micro", "t2.small", "t2.medium", "t2.large",
"m1.small", "m1.medium", "m1.large", "m1.xlarge", "m2.xlarge", "m2.2xlarge", "m2.4xlarge",
"m3.medium", "m3.large", "m3.xlarge", "m3.2xlarge", "m4.large", "m4.xlarge", "m4.2xlarge",
"m4.4xlarge", "m4.10xlarge", "c1.medium", "c1.xlarge", "c3.large", "c3.xlarge", "c3.2xlarge",
"c3.4xlarge", "c3.8xlarge", "c4.large", "c4.xlarge", "c4.2xlarge", "c4.4xlarge", "c4.8xlarge",
"g2.2xlarge", "g2.8xlarge", "r3.large", "r3.xlarge", "r3.2xlarge", "r3.4xlarge", "r3.8xlarge",
"i2.xlarge", "i2.2xlarge", "i2.4xlarge", "i2.8xlarge", "d2.xlarge", "d2.2xlarge", "d2.4xlarge",
"d2.8xlarge", "hi1.4xlarge", "hs1.8xlarge", "cr1.8xlarge", "cc2.8xlarge", "cg1.4xlarge"]
```

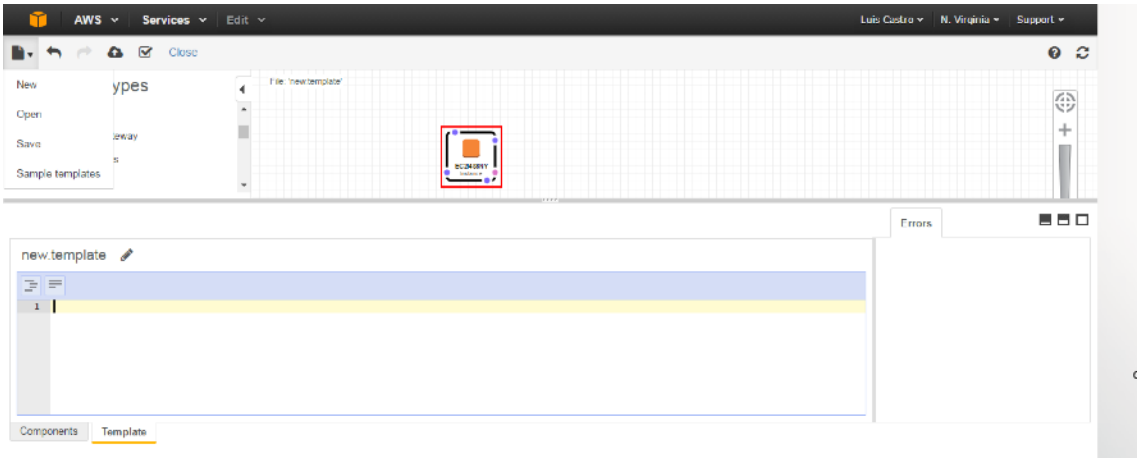
Paso 13

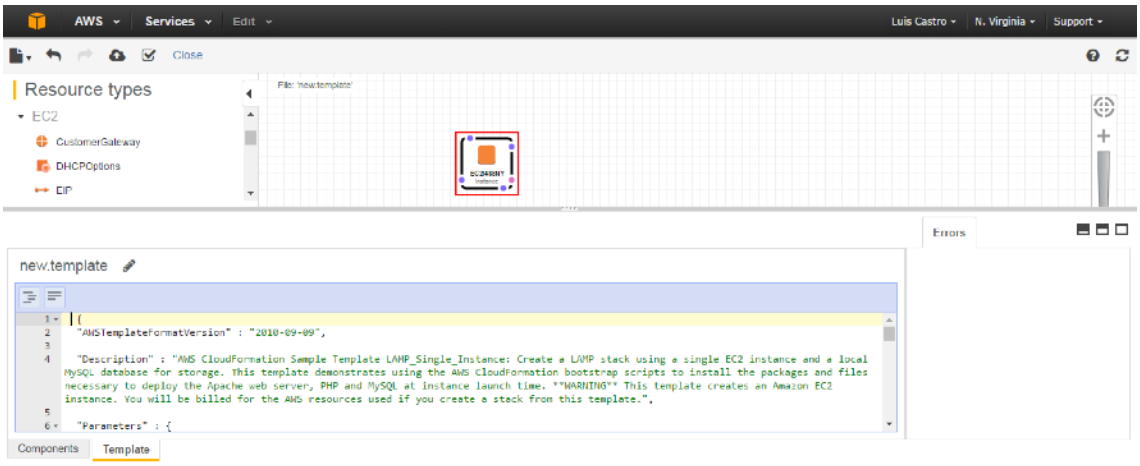
- Ingresar nuevamente **a CloudFormation** y escoger **Design template**
- Escoger nuevamente una instancia
- Borrar el **template default** y copiar el nuevo template con el cambio de **T2.Micro**




AWS
Services
Edit
Luis Castro
N. Virginia
Support
Close
Resource types
EC2
CustomerGateway
DHCPOptions
EIP
Host
Instance
InternetGateway
To start building your template, drag resources from the Resources pane.
Parameters
Mappings
Conditions
Metadata
Outputs
Errors
new.template
{
"Parameters": {}
}
Components
Template

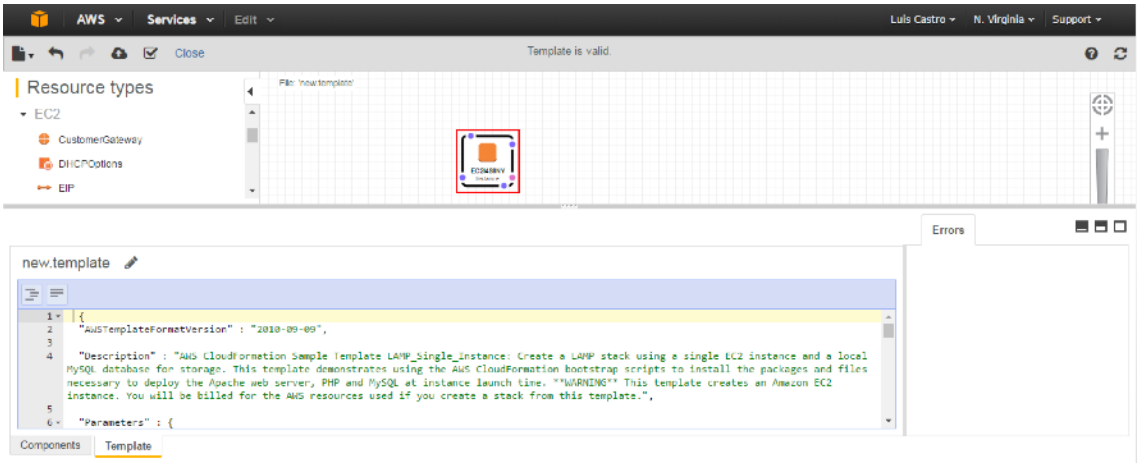

AWS
Services
Edit
Luis Castro
N. Virginia
Support
Close
Resource types
EC2
CustomerGateway
DHCPOptions
EIP
Host
Instance
InternetGateway
Properties
Metadata
CreationPolicy
DeletionPolicy
DependsOn
Condition
Errors
EC2I4S8NY
{
"Resources": {
"EC2I4S8NY": {
"Type": "AWS::EC2::Instance",
Components
Template


AWS
Services
Edit
Luis Castro
N. Virginia
Support
Close
New
Open
Save
Sample templates
Errors
new.template
Components
Template

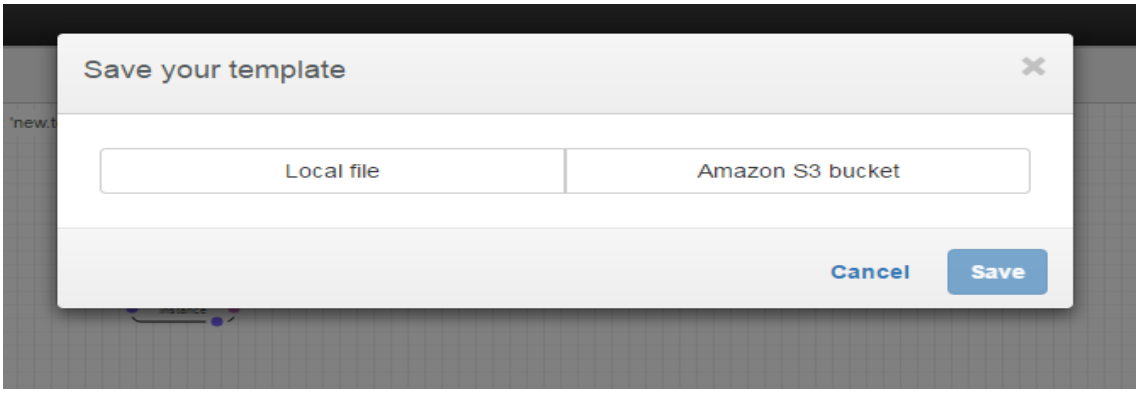


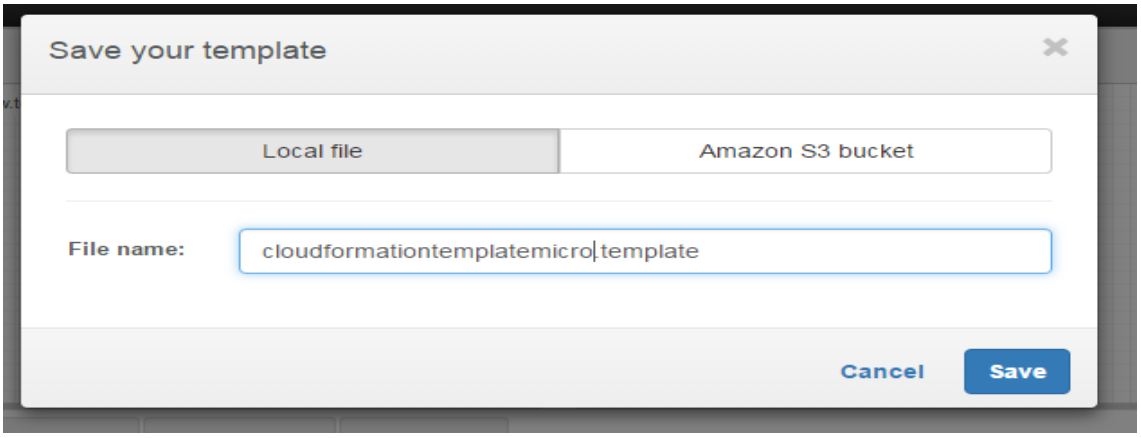
Paso 14

- Validar que el **template** sea valido



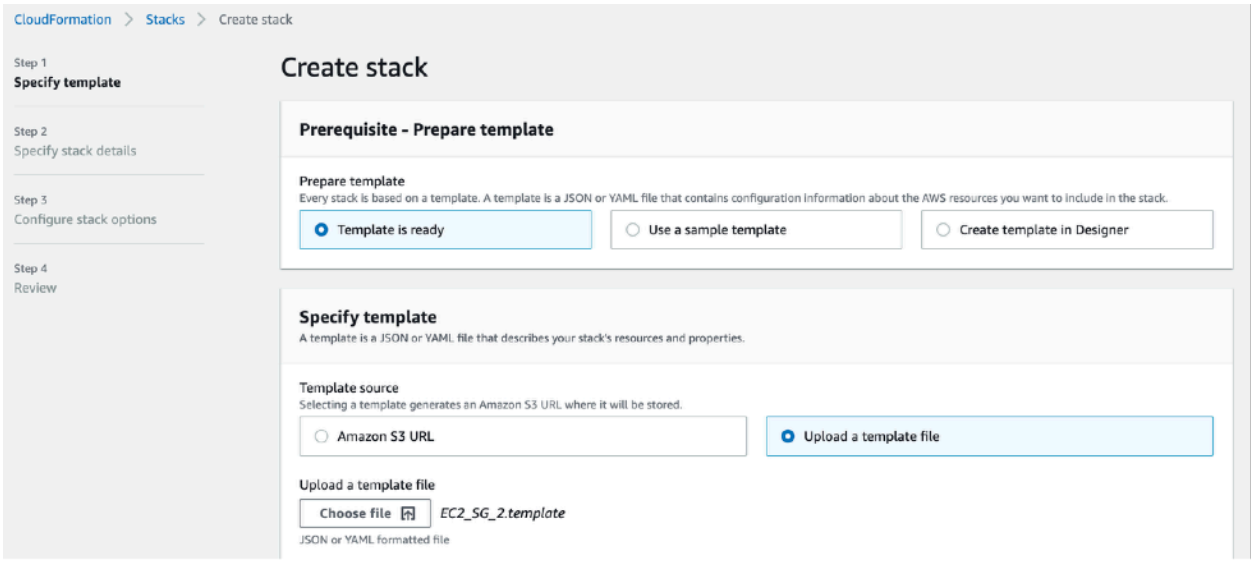
- Salvar el template como
    - **Cloudformationtemplatemicro**





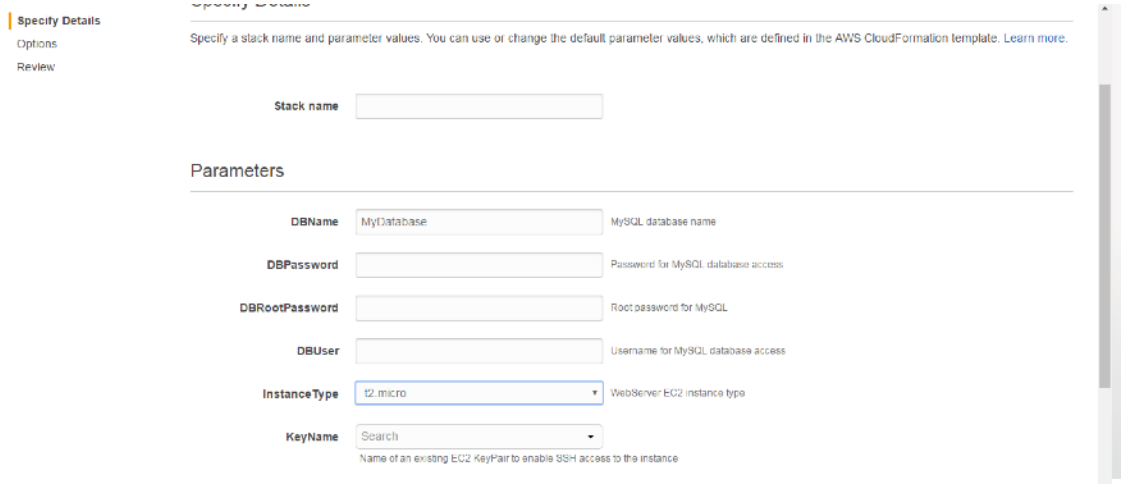
Paso 15

- Crear un **stack** y seleccionar el nuevo template
    - **Cloudformationtemplatemicro**



Paso 16

- Verificar que el parámetro de **Instance Type** tengo el valor por default
    - **T2.Micro**



Paso 17

- Termine ambas EC2 creadas mediante la eliminación de los Stacks creados.