PROVISION AN EC2 INSTANCE USING AWS CLOUD FORMATION

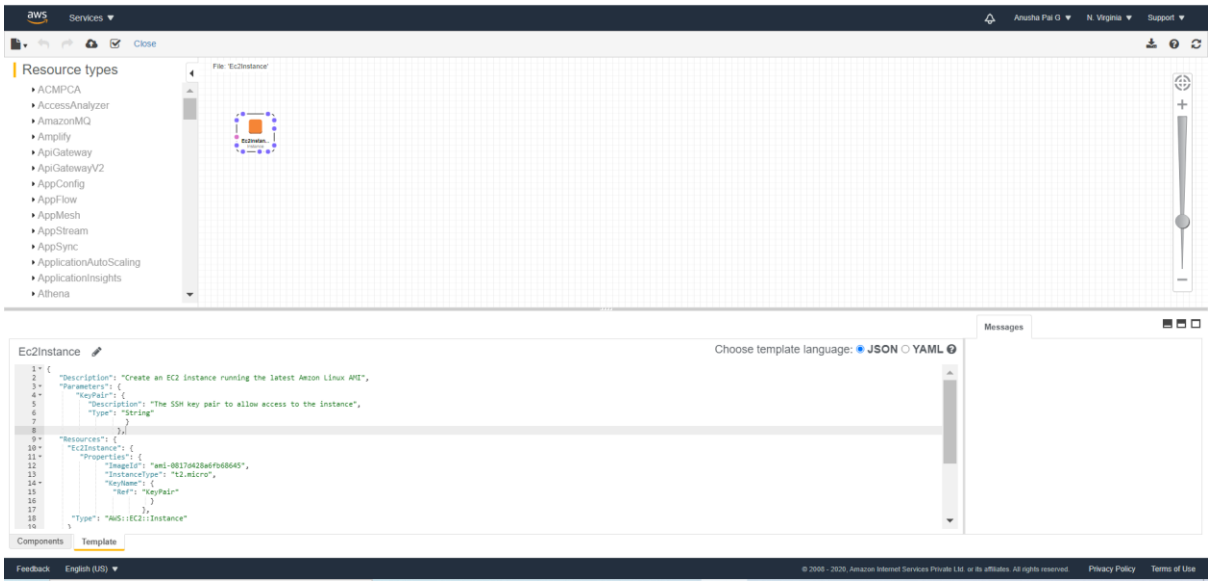
This POC shows how to spin up an Ubuntu 18.04 EC2 instance using AWS Cloud Formation

STEPS:

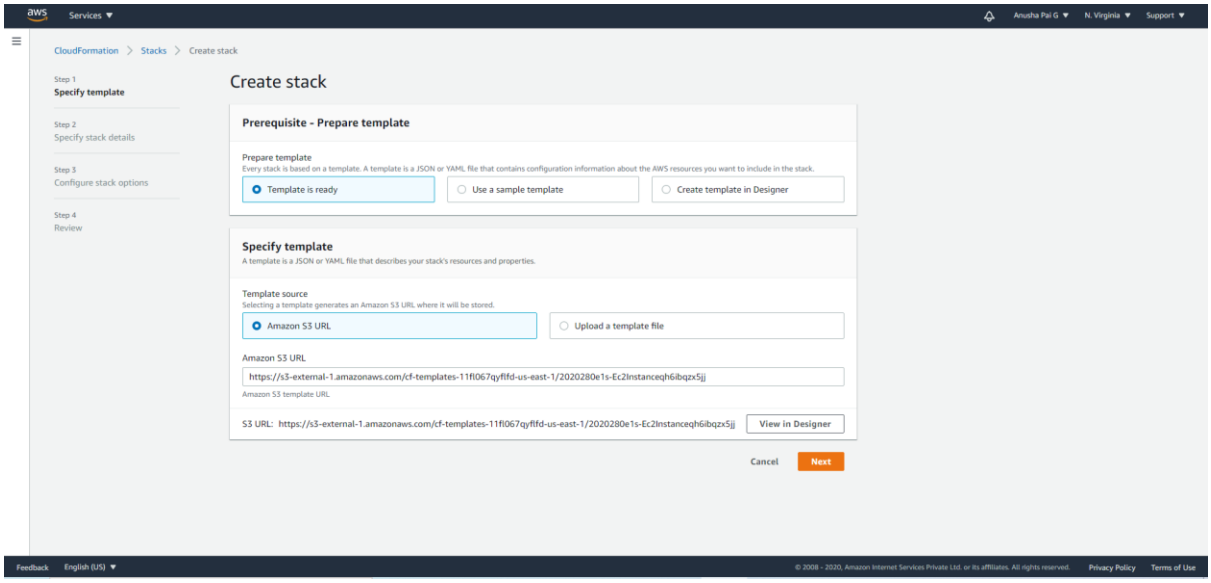
1) Create a stack by creating a template in designer

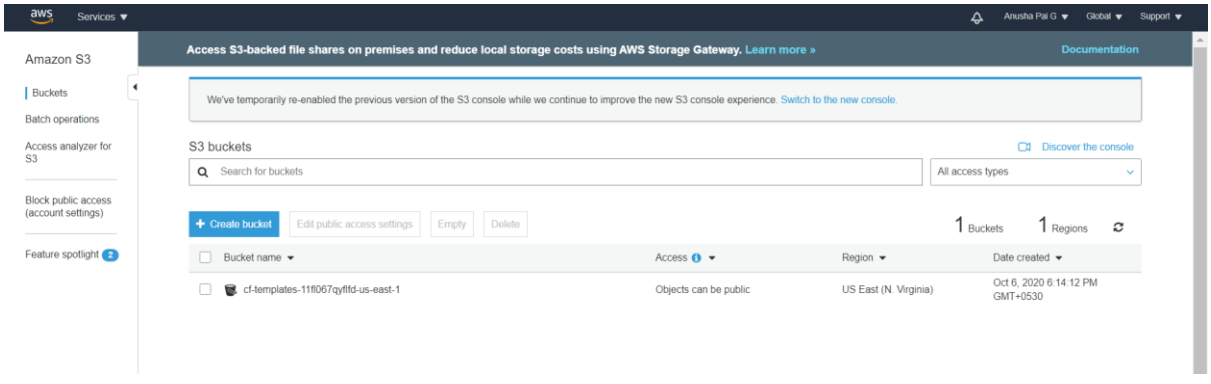
```
{
   "Description": "Create an EC2 instance running the latest Amzon Linux AMI",
   "Parameters": {
       "KeyPair": {
          "Description": "The SSH key pair to allow access to the instance",
          "Type": "String"
                   }
                 },
   "Resources": {
     "Ec2Instance": {
        "Properties": {
              "ImageId": "ami-0817d428a6fb68645",
              "InstanceType": "t2.micro",
              "KeyName": {
                "Ref": "KeyPair"
                         }
                       },
      "Type": "AWS::EC2::Instance"
     }
},
    "Outputs": {
        "InstanceId": {
           "Description": "The instanceId of the newly created EC2 instance",
           "Value": {
               "Ref": "Ec2Instance"
    }
  }
},
      "AWSTemplateFormatVersion": "2010-09-09"
}
```

2) As I had the template ready for use, I pasted the above sample template in designer and validated the template before creating the stack

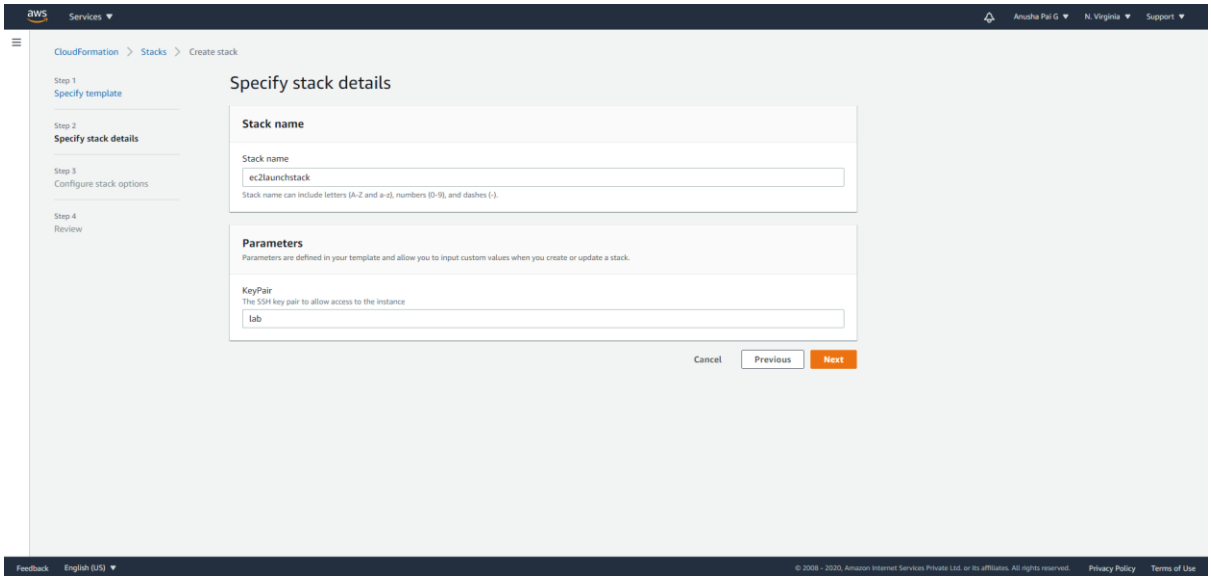


3) The template gets uploaded to Amazon S3 for future use

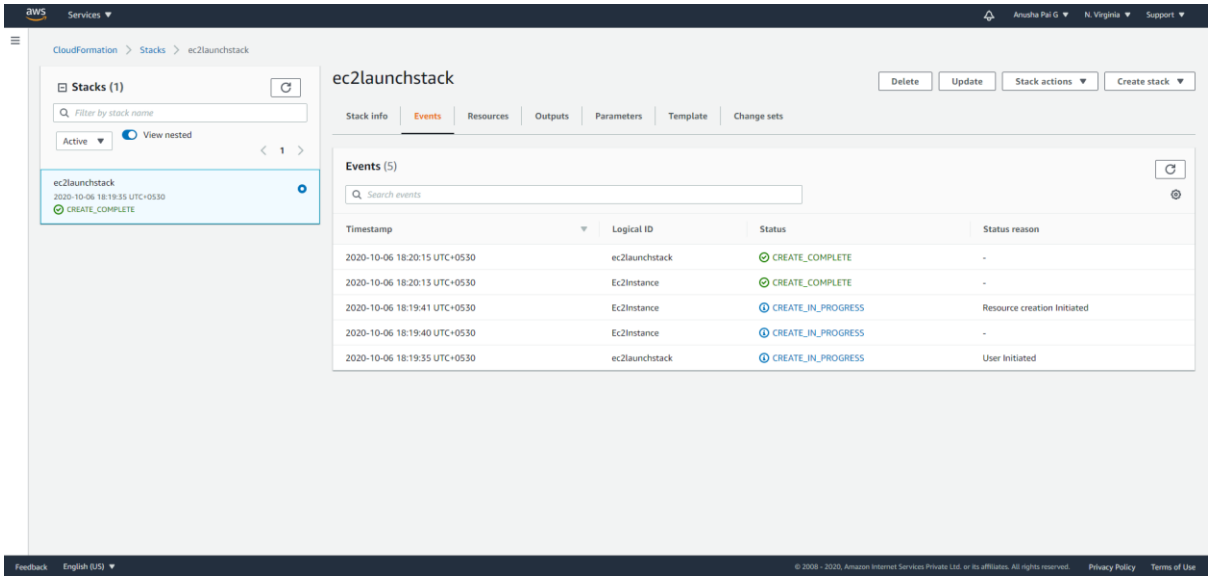




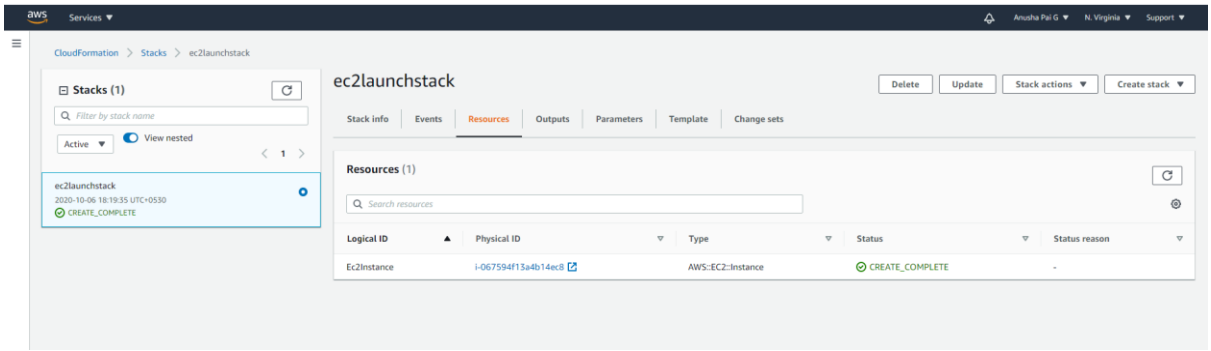
4) Provide a name for the stack to be created and pass in the parameter value, in our case we have a parameter specification for SSH keypair to be a string input

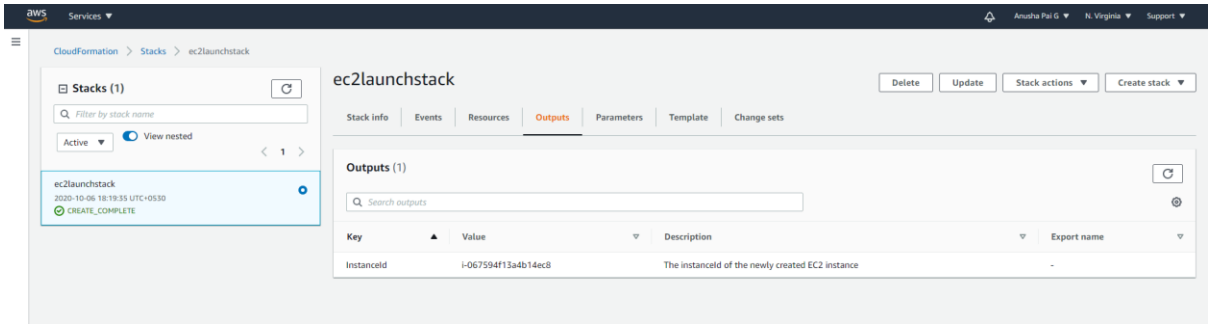


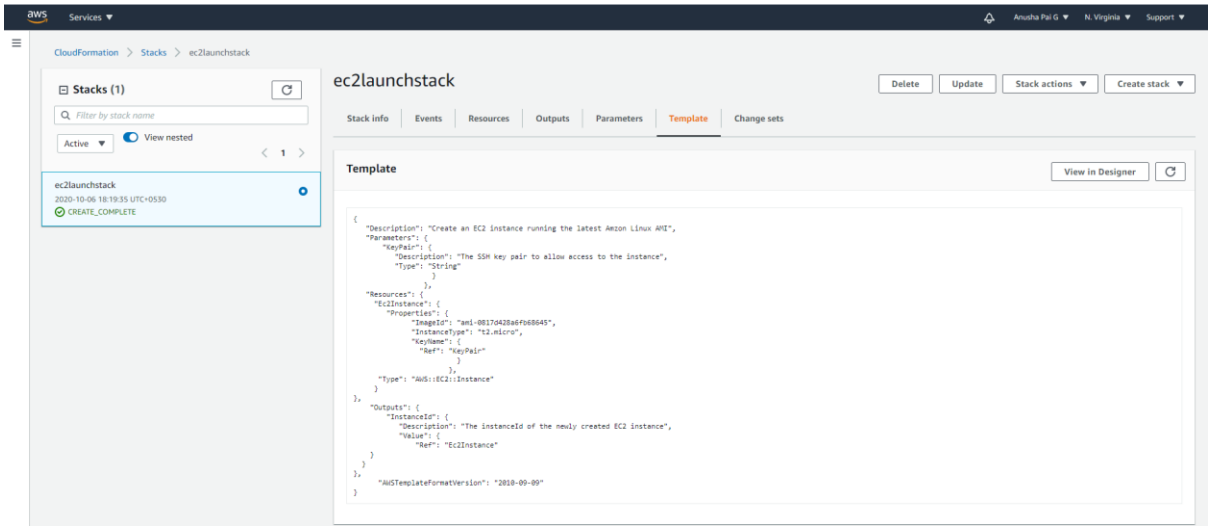
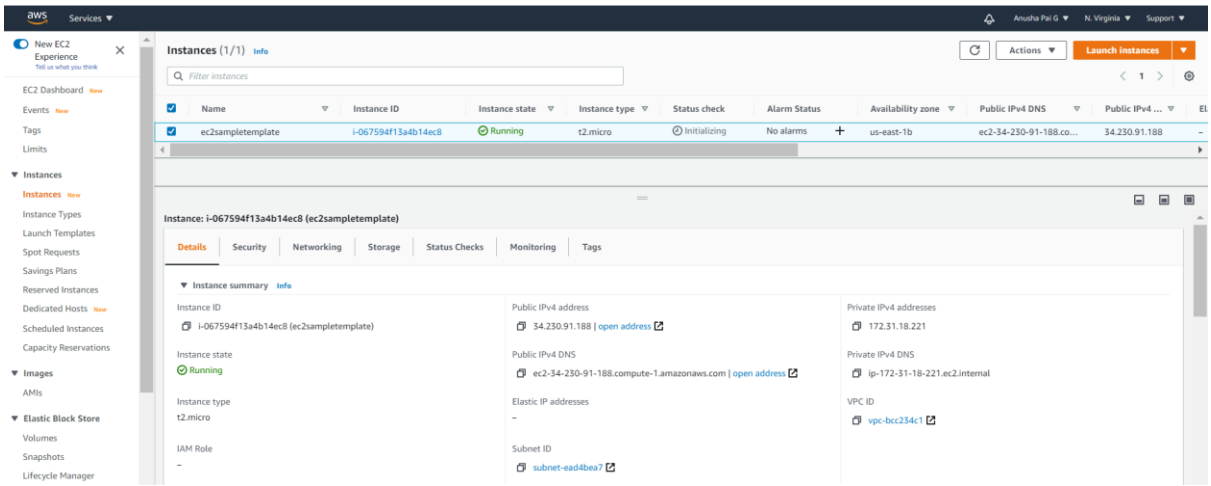
5) Create the stack and monitor the progress of resource creation



6) As expected, an EC2 instance is created and the instance ID is available in the Output upon successful creation of the EC2 instance







Below is the EC2 instance created using the AWS Cloud Formation template