

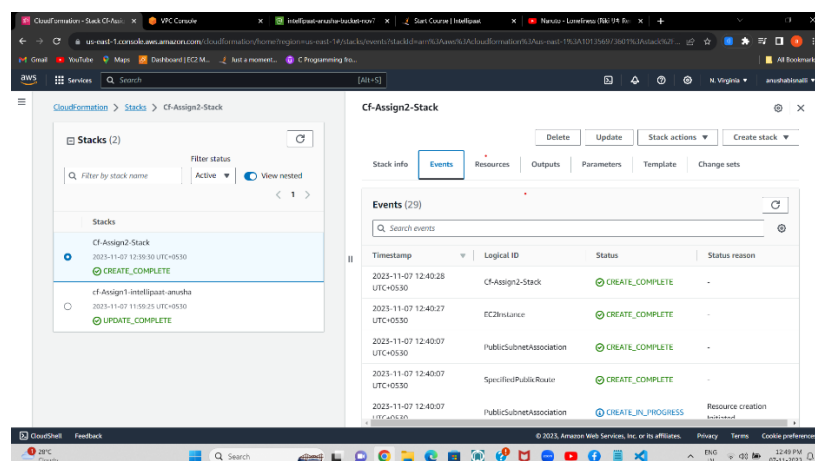
**Assignment-2** You work for XYZ Corporation. Your team is asked to deploy similar architecture multiple times for testing, development, and production purposes. Implement CloudFormation for the tasks assigned to you below.

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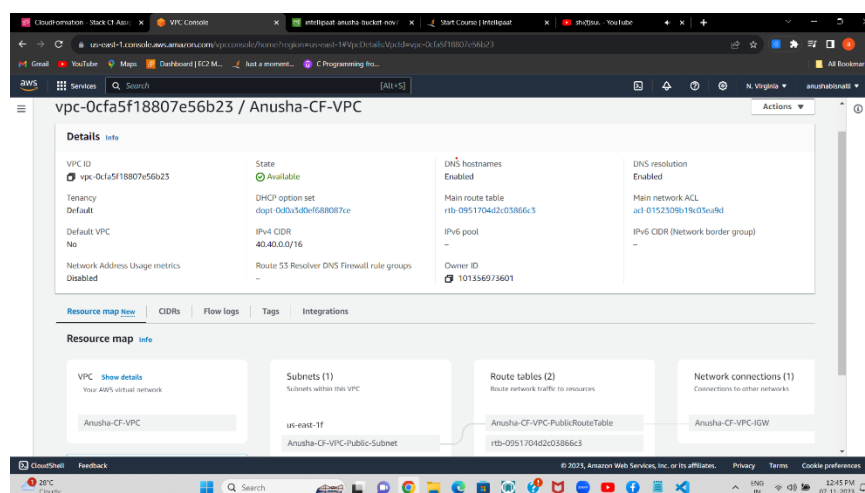
1 Parameters:
2   AMI:
3     Type: String
4     Description: "Provide the AMI Id to create Instances using that particular AMI.
5     You can copy the AMI Id from EC2 Launch Instance Console for an AMI and provide it here."
6   Key:
7     Type: AWS::EC2::KeyPair::KeyName
8     Description: "Select a key pair from existing key pairs."
9 Resources:
10  VPC:
11    Type: AWS::EC2::VPC
12    Properties:
13      CidrBlock: 40.40.0.0/16
14      EnableDnsSupport: true
15      EnableDnsHostnames: true
16      Tags:
17        - key: "Name"
18          Value: "Anusha-CF-VPC"
19  InternetGateway:
20    Type: AWS::EC2::InternetGateway
21    Properties:
22      Tags:
23        - key: "Name"
24          Value: "Anusha CF VPC IGW"
25  InternetGatewayAttachment:
26    Type: AWS::EC2::VPCGatewayAttachment
27    Properties:
28      InternetGatewayId: !Ref InternetGateway
29      VpcId: !Ref VPC
30  PublicSubnet:
31    Type: AWS::EC2::Subnet

```

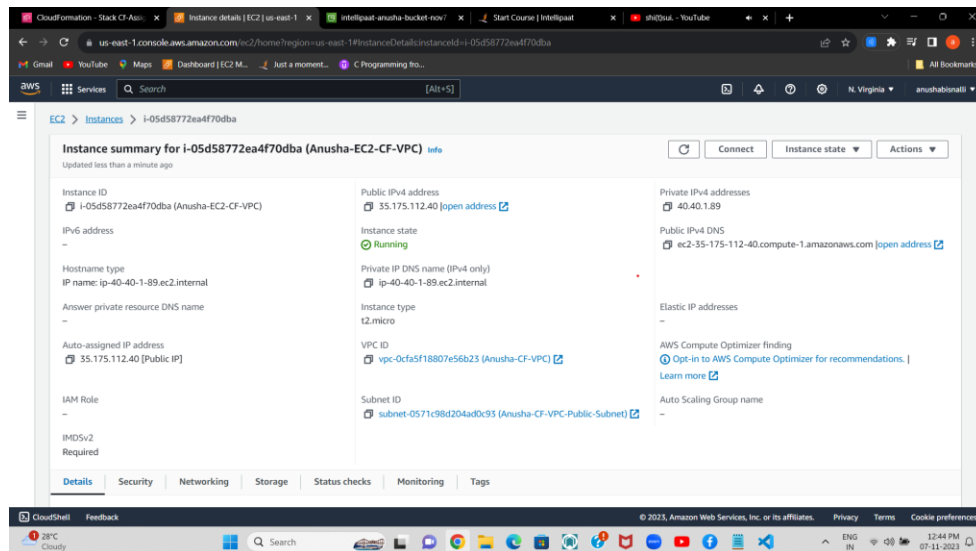
**Step 1: Write code for given problem statement**



**Step 2: Create a template with 1 VPC and 1 public subnet.**



**Step 3: VPC created with respective subnets ,route tables & igw**



**Step 4:** Launch an Amazon Linux EC2 instance in the public subnet and tag the instance as “CFinstance”