

```
{
"Resources":
{
  "VPC":
  {
    "Type":"AWS::EC2::VPC",
"Properties":
{
  "CidrBlock":"192.168.0.0/24"
}
},
"SN1":
{
  "Type" : "AWS::EC2::Subnet",
  "Properties":
  {
    "CidrBlock": "192.168.0.0/25",
    "VpcId": {"Ref":"VPC"}
  }
},
"SN2":
{
  "Type" : "AWS::EC2::Subnet",
  "Properties":
  {
    "CidrBlock": "192.168.0.128/25",
    "VpcId": {"Ref":"VPC"}
  }
},
"IGW":
{
  "Type":"AWS::EC2::InternetGateway"
},
"VPCIGW":
{
  "Type" : "AWS::EC2::VPCEGatewayAttachment",
  "Properties":
  {
    "InternetGatewayId":{"Ref":"IGW"},
    "VpcId": {"Ref":"VPC"}
  }
},
"SN1RT":
{
  "Type": "AWS::EC2::RouteTable",
  "Properties":
  {
    "VpcId": {"Ref":"VPC"}
  }
},
"AddRouteRT1":
{

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    "Type": "AWS::EC2::Route",
    "Properties": {
        "RouteTableId": {"Ref": "SN1RT"},
        "DestinationCidrBlock": "0.0.0.0/0",
        "GatewayId": {"Ref": "IGW"}
    },
    "Sn1RT1": {
        "Type": "AWS::EC2::SubnetRouteTableAssociation",
        "Properties": {
            "SubnetId": {"Ref": "SN1"},
            "RouteTableId": {"Ref": "SN1RT"}
        }
    },
    "Ec2": {
        "Type": "AWS::EC2::Instance",
        "Properties": {
            "ImageId": "ami-0ac019f4fcb7cb7e6",
            "InstanceType": "t2.micro",
            "KeyName": "oct30",
            "SubnetId": {"Ref": "SN1"}
        }
    },
    "Vol": {
        "Type": "AWS::EC2::Volume",
        "Properties": {
            "Size": "10",
            "VolumeType": "gp2",
            "AvailabilityZone": {"Fn::GetAtt": ["Ec2", "AvailabilityZone"]}
        }
    },
    "Outputs": {
        "ec2id": {
            "Value": {"Ref": "Ec2"}
        },
        "ec2privateip": {
            "Value": {"Fn::GetAtt": ["Ec2", "PrivateIp"]}
        }
    }
}

```

