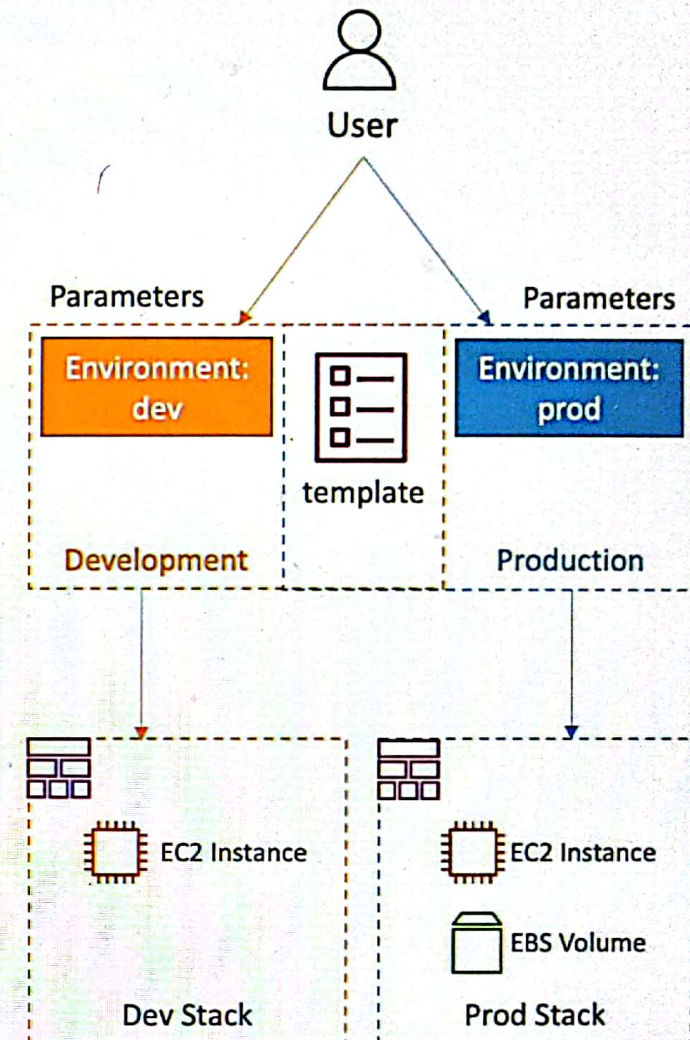


What are conditions used for?

- Conditions are used to control the creation of resources or outputs based on a condition
- Conditions can be whatever you want them to be, but common ones are:
 - Environment (dev / test / prod)
 - AWS Region
 - Any parameter value
- Each condition can reference another condition, parameter value or mapping



How to define a condition?

Conditions:

```
CreateProdResources: !Equals [ !Ref EnvType, prod ]
```

- The logical ID is for you to choose. It's how you name condition
- The intrinsic function (logical) can be any of the following:
 - Fn::And
 - Fn::Equals
 - Fn::If
 - Fn::Not
 - Fn::Or

Using a Condition

- Conditions can be applied to resources / outputs / etc...

```
Resources:
```

```
  MountPoint:
```

```
    Type: AWS::EC2::VolumeAttachment
```

```
    Condition: CreateProdResources
```


Fn::GetAtt

- Attributes are attached to any resources you create
- To know the attributes of your resources, the best place to look at is the documentation
- For example: the AZ of an EC2 machine!

Resources:

EC2Instance:

Type: AWS::EC2::Instance

Properties:

ImageId: ami-0742b4e673072066f

InstanceType: t2.micro

NewVolume:

Type: AWS::EC2::Volume

Condition: CreateProdResources

Properties:

Size: 100

AvailabilityZone: !GetAtt EC2Instance.AvailabilityZone