LAB | Using the for_each Meta Argument in Terraform

2 • Write the Baseline Configuration (with `for_each`)

```
vijayagagla@DESKTOP-FP4OP26:~/terra_course/terraform-meta-args-lab$ terraform apply -auto-approve

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
  + create

Terraform will perform the following actions:

  # aws_instance.ec2["web1"] will be created
```

```
  Plan: 3 to add, 0 to change, 0 to destroy.
  aws_instance.ec2["web1"]: Creating...
  aws_instance.ec2["web2"]: Creating...
  aws_instance.ec2["web3"]: Creating...
  aws_instance.ec2["web1"]: Still creating... [00m10s elapsed]
  aws_instance.ec2["web2"]: Still creating... [00m10s elapsed]
  aws_instance.ec2["web3"]: Still creating... [00m10s elapsed]
  aws_instance.ec2["web1"]: Still creating... [00m20s elapsed]
  aws_instance.ec2["web2"]: Still creating... [00m20s elapsed]
  aws_instance.ec2["web3"]: Still creating... [00m20s elapsed]
  aws_instance.ec2["web2"]: Creation complete after 22s [id=i-05c82a8370cecc113]
  aws_instance.ec2["web3"]: Creation complete after 22s [id=i-059e3a95aab8e8fb7]
  aws_instance.ec2["web1"]: Still creating... [00m30s elapsed]
  aws_instance.ec2["web1"]: Creation complete after 33s [id=i-01a2c9c63bb8743b6]

  Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
  vijayagagla@DESKTOP-FP4OP26:~/terra_course/terraform-meta-args-lab$
```

4 • Challenge A – Rebuild with `count`

```
vijayagagla@DESKTOP-FP4OP26:~/terra_course/terraform-meta-args-lab$ terraform apply -auto-approve

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
  + create

Terraform will perform the following actions:

  # aws_instance.ec2[0] will be created
```

```
}

Plan: 3 to add, 0 to change, 0 to destroy.
aws_instance.ec2[1]: Creating...
aws_instance.ec2[0]: Creating...
aws_instance.ec2[2]: Creating...
aws_instance.ec2[0]: Still creating... [00m10s elapsed]
aws_instance.ec2[1]: Still creating... [00m10s elapsed]
aws_instance.ec2[2]: Still creating... [00m10s elapsed]
aws_instance.ec2[0]: Still creating... [00m19s elapsed]
aws_instance.ec2[1]: Still creating... [00m19s elapsed]
aws_instance.ec2[2]: Still creating... [00m19s elapsed]
aws_instance.ec2[1]: Still creating... [00m28s elapsed]
aws_instance.ec2[0]: Still creating... [00m28s elapsed]
aws_instance.ec2[2]: Still creating... [00m28s elapsed]
aws_instance.ec2[0]: Creation complete after 30s [id=i-069f1592d0b1fc84a]
aws_instance.ec2[1]: Creation complete after 30s [id=i-0024b6a35fef10e75]
aws_instance.ec2[2]: Creation complete after 30s [id=i-0554e8f267b901146]

Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
```

5 • Challenge B – Wire Resources with `depends_on`

```
vijayagagla@DESKTOP-FP4OP26:~/terra_course/terraform-meta-args-lab$ terraform apply -auto-approve

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
  + create

Terraform will perform the following actions:
```

```
Plan: 4 to add, 0 to change, 0 to destroy.
aws_security_group.allow_ssh: Creating...
aws_security_group.allow_ssh: Creation complete after 2s [id=sg-05eee549234e2872a]
aws_instance.ec2[0]: Creating...
aws_instance.ec2[1]: Creating...
aws_instance.ec2[2]: Creating...
aws_instance.ec2[2]: Still creating... [00m09s elapsed]
aws_instance.ec2[1]: Still creating... [00m09s elapsed]
aws_instance.ec2[0]: Still creating... [00m09s elapsed]
aws_instance.ec2[0]: Still creating... [00m18s elapsed]
aws_instance.ec2[2]: Still creating... [00m18s elapsed]
aws_instance.ec2[1]: Still creating... [00m18s elapsed]
aws_instance.ec2[0]: Creation complete after 20s [id=i-0379369fd1099c30d]
aws_instance.ec2[1]: Creation complete after 20s [id=i-0a4641fd06f865267]
aws_instance.ec2[2]: Still creating... [00m27s elapsed]
aws_instance.ec2[2]: Creation complete after 30s [id=i-06c44ef5785330512]

Apply complete! Resources: 4 added, 0 changed, 0 destroyed.
```