## **Experiment 7**

# <u>Creating Multiple IAM Users in</u> <u>Terraform</u>

## **Aim**

Learn how to use Terraform to create multiple IAM users with unique settings.

## **Steps**

1. Create a main file & variables.tf file for EC2 Instance.

```
variables.tf
variable "iam_users"{
    type = list(string)
    default = ["user1", "user2", "user3"]
}

variable region {
    type = string
    default = "ap-south-1"
    description = "AWS Region"
}
```

### 2. Initialize & Apply the configuration

```
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:

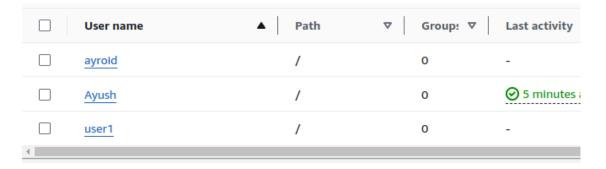
# aws_iam_user.iam_users[0] will be created
```

### 3. Verify the IAM users on AWS

User name	<b>A</b>	Path	▽	Group: ▼	Last activity
Ayush		/		0	J
user1		/		0	J
user2		/		0	J
user3		/		0	J

4. Update the list of users to update the count of IAM Users on AWS

```
txp7 > variables.tf
variable "iam_users"{
    type = list(string)
    default = ["ayroid", "userl"]
4 }
```



### 5. Clean up resources

```
Do you really want to destroy all resources?

Terraform will destroy all your managed infrastructure, as shown above. There is no undo. Only 'yes' will be accepted to confirm.

Enter a value: yes

aws_iam_user.iam_users[0]: Destroying... [id=ayroid]
aws_iam_user.iam_users[1]: Destroying... [id=user1]
aws_iam_user.iam_users[1]: Destruction complete after 7s
aws_iam_user.iam_users[0]: Destruction complete after 7s

Destroy complete! Resources: 2 destroyed.

→ Exp7 ■
```