

IAM – Terraform

1. Create IAM user
2. Create group
3. Add user to group
4. Create Policies
5. Attach Policy to user
6. Attach Policy to group

1. To Add IAM user

```
resource "aws_iam_user" "user1" {  
  name = "terraform_user"  
  tags = {  
    tag-key = "user1"  
  }  
}
```

2. To add user groups

```
resource "aws_iam_group" "developers" {  
  name = "developers"  
  
}
```

3. Add user to group

```
resource "aws_iam_user_group_membership" "user1membership" {  
  user = aws_iam_user.user1.name  
  groups = [  
    aws_iam_group.developers.name,  
  ]  
}
```

```
}
```

terraform_user

1

None

4 hours ago

4. Create Policies

```
resource "aws_iam_policy" "policy_one" {  
  name = "terraform-policy-1"
```


```
  policy = jsonencode({  
    Version = "2012-10-17"  
    Statement = [  
      {  
        Action = ["ec2:Describe*"]  
        Effect = "Allow"  
        Resource = "*"   
      },  
    ]  
  })  
}
```

```
resource "aws_iam_policy" "policy_two" {  
  name = "terraform-policy-2"
```

```

policy = jsonencode({
  Version = "2012-10-17"
  Statement = [
    {
      Action  = ["s3:ListBucket*"]
      Effect  = "Allow"
      Resource = "*"
    },
  ]
})
}

```

<input type="radio"/>	 AmazonGlacierReadOnlyAccess	AWS managed	None	Provides read only
<input type="radio"/>	 AWSMarketplaceFullAccess	AWS managed	None	Provides the ability

5. Attach Policy to user

```

resource "aws_iam_user_policy_attachment" "ec2-attach" {
  user      = aws_iam_user.user1.name
  policy_arn = aws_iam_policy.policy_one.arn
}

```

```

    ],
    "ec2:Describe*",

```

6. Attach Policy to group

```

resource "aws_iam_group_policy_attachment" "S3-attach" {
  group      = aws_iam_group.developers.name
  policy_arn = aws_iam_policy.policy_two.arn
}

```

[IAM](#) > [User groups](#) > developers

developers

Delete

Summary

Edit

User group name	Creation time	ARN
developers	March 11, 2022, 10:48 (UTC+05:30)	arn:aws:iam:986041421187:group/developers

Users | **Permissions** | Access Advisor

Permissions policies (1) [Info](#)

You can attach up to 10 managed policies.

Simulate **Remove** **Add permissions ▾**

Filter policies by property or policy name and press enter

< 1 >

<input type="checkbox"/>	Policy name	Type	Description
<input type="checkbox"/>	terraform-policy-2	Customer managed	

terraform-policy-2

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