

Identity and Access Management (IAM)

Dashboard

Access management

- Groups
- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
  - Archive rules
  - Analyzers
  - Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

Q Search IAM

Welcome to Identity and Access Management

IAM users sign-in link:  
<https://938070553465.signin.aws.amazon.com/console>

IAM Resources

Users: 1

Groups: 1

Customer Managed Policies: 0

Roles: 2

Identity Providers: 0

Security Status

3 out of 5 complete.

✓ Delete your root access keys

⚠ Activate MFA on your root account

✓ Create individual IAM users

✓ Use groups to assign permissions

⚠ Apply an IAM password policy

Additional Information

[IAM best practices](#)  
[IAM documentation](#)  
[Web Identity Federation Playground](#)  
[Policy Simulator](#)  
[Videos, IAM release history and additional resources](#)

✓ Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://938070553465.signin.aws.amazon.com/console>

Download .csv

	User	Access key ID	Secret access key
▶	✓ Sarthak	AKIA5U2K4WN433I3NSE3	***** <a href="#">Show</a>

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Add user

Delete user

Q Find users by username or access key

Showing 1 result

User name	Groups	Access key age	Password age	Last activity	MFA
☐ Sarthak	terraform_sarthak	✓ Today	None	None	Not enabled

```
G:\Study material\terraform>terraform init
```

```
Initializing the backend...
```

```
Initializing provider plugins...
```

- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v3.4.0...
- Installed hashicorp/aws v3.4.0 (signed by HashiCorp)

```
The following providers do not have any version constraints in configuration,  
so the latest version was installed.
```

```
To prevent automatic upgrades to new major versions that may contain breaking  
changes, we recommend adding version constraints in a required_providers block  
in your configuration, with the constraint strings suggested below.
```

```
* hashicorp/aws: version = "~> 3.4.0"
```

```
Terraform has been successfully initialized!
```

```
You may now begin working with Terraform. Try running "terraform plan" to see  
any changes that are required for your infrastructure. All Terraform commands  
should now work.
```

```
If you ever set or change modules or backend configuration for Terraform,  
rerun this command to reinitialize your working directory. If you forget, other  
commands will detect it and remind you to do so if necessary.
```

C:\ Command Prompt

```
G:\Study material\terraform>terraform plan
Refreshing Terraform state in-memory prior to plan...
The refreshed state will be used to calculate this plan, but will not be
persisted to local or remote state storage.
```

```
-----

An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  + create
```

Terraform will perform the following actions:

```
# aws_instance.example will be created
+ resource "aws_instance" "example" {
  + ami                  = "ami-0ebc1ac48dfd14136"
  + arn                  = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone     = (known after apply)
  + cpu_core_count        = (known after apply)
  + cpu_threads_per_core  = (known after apply)
  + get_password_data     = false
  + host_id               = (known after apply)
  + id                   = (known after apply)
  + instance_state        = (known after apply)
  + instance_type         = "t2.micro"
  + ipv6_address_count    = (known after apply)
  + ipv6_addresses        = (known after apply)
  + key_name              = (known after apply)
  + outpost_arn           = (known after apply)
  + password_data         = (known after apply)
  + placement_group       = (known after apply)
  + primary_network_interface_id = (known after apply)
  + private_dns           = (known after apply)
  + private_ip            = (known after apply)
  + public_dns            = (known after apply)
  + public_ip             = (known after apply)
  + secondary_private_ips = (known after apply)
  + security_groups        = (known after apply)
  + source_dest_check      = true
  + subnet_id             = (known after apply)
  + tenancy               = (known after apply)
  + volume_tags           = (known after apply)
  + vpc_security_group_ids = (known after apply)

  + ebs_block_device {
    + delete_on_termination = (known after apply)
    + device_name           = (known after apply)
    + encrypted             = (known after apply)
    + iops                  = (known after apply)
    + kms_key_id            = (known after apply)
```

```
G:\Study material\terraform>terraform apply
```

An execution plan has been generated and is shown below.  
Resource actions are indicated with the following symbols:

+ create

Terraform will perform the following actions:

```
# aws_instance.example will be created
+ resource "aws_instance" "example" {
  + ami                      = "ami-0ebc1ac48dfd14136"
  + arn                     = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone        = (known after apply)
  + cpu_core_count           = (known after apply)
  + cpu_threads_per_core     = (known after apply)
  + get_password_data        = false
  + host_id                  = (known after apply)
  + id                       = (known after apply)
  + instance_state           = (known after apply)
  + instance_type            = "t2.micro"
  + ipv6_address_count       = (known after apply)
  + ipv6_addresses           = (known after apply)
  + key_name                  = (known after apply)
  + outpost_arn              = (known after apply)
  + password_data            = (known after apply)
  + placement_group          = (known after apply)
  + primary_network_interface_id = (known after apply)
  + private_dns              = (known after apply)
  + private_ip               = (known after apply)
  + public_dns               = (known after apply)
  + public_ip                = (known after apply)
  + secondary_private_ips    = (known after apply)
  + security_groups           = (known after apply)
```

```
+ encrypted      = (known after apply)
+ iops           = (known after apply)
+ kms_key_id     = (known after apply)
+ volume_id      = (known after apply)
+ volume_size    = (known after apply)
+ volume_type    = (known after apply)
}
}
```

Plan: 1 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?

Terraform will perform the actions described above.

Only 'yes' will be accepted to approve.

Enter a value: yes

aws\_instance.example: Creating...

aws\_instance.example: Still creating... [10s elapsed]

aws\_instance.example: Still creating... [20s elapsed]

aws\_instance.example: Creation complete after 22s [id=i-09af5178d6a7e9796]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

G:\Study material\terraform>



### Success

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Download .csv

	User	Access key ID	Secret access key
▶	✓ Sarthak	AKIA5U2K4WN433I3NSE3	***** <a href="#">Show</a>

```
G:\Study material\terraform>terraform destroy
aws_instance.example: Refreshing state... [id=i-09af5178d6a7e9796]
```

An execution plan has been generated and is shown below.  
Resource actions are indicated with the following symbols:  
- destroy

Terraform will perform the following actions:

```
# aws_instance.example will be destroyed
- resource "aws_instance" "example" {
  - ami                    = "ami-0ebc1ac48dfd14136" -> null
  - arn                    = "arn:aws:ec2:ap-south-1:938070553465:instance/i-09af5178d6a7e9796" -> null
  - associate_public_ip_address = true -> null
  - availability_zone       = "ap-south-1b" -> null
  - cpu_core_count          = 1 -> null
  - cpu_threads_per_core    = 1 -> null
  - disable_api_termination = false -> null
  - ebs_optimized           = false -> null
  - get_password_data       = false -> null
  - hibernation             = false -> null
  - id                      = "i-09af5178d6a7e9796" -> null
  - instance_state          = "running" -> null
  - instance_type           = "t2.micro" -> null
  - ipv6_address_count      = 0 -> null
  - ipv6_addresses          = [] -> null
  - monitoring              = false -> null
  - primary_network_interface_id = "eni-0ec4b31939851abc5" -> null
  - private_dns             = "ip-172-31-3-190.ap-south-1.compute.internal" -> null
  - private_ip              = "172.31.3.190" -> null
  - public_dns              = "ec2-15-207-112-216.ap-south-1.compute.amazonaws.com" -> null
  - public_ip               = "15.207.112.216" -> null
  - secondary_private_ips    = [] -> null
  - security_groups         = [
    - "default",
  ] -> null
  - source_dest_check       = true -> null
  - subnet_id               = "subnet-1f3c4053" -> null
  - tags                    = {} -> null
  - tenancy                 = "default" -> null
  - volume_tags             = {} -> null
  - vpc_security_group_ids  = [
    - "sg-e3f0d687",
  ] -> null

  - credit_specification {
    - cpu_credits = "standard" -> null
  }
}
```

Instances | EC2 Management Console

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:sort=instanceId

aws

Services

Resource Groups

Sarthak JanMumbaiSupport

New EC2 Experience

EC2 Dashboard

Events

Tags

Limits

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
	i-09af5178d6a7e9796	t2.micro	ap-south-1b	terminated		None		-	-

Instance: i-09af5178d6a7e9796Public DNS: -

Description

Status Checks

Monitoring

Tags

Instance ID

Instance state

Instance type

Finding

Public DNS (IPv4)

IPv4 Public IP

IPv6 IPs

Elastic IPs

Opt-in to AWS Compute Optimizer for recommendations.

Learn more

Feedback

English (US)

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