

Terraform Task

Task Description:

Launch Linux EC2 instances in two regions using a single Terraform file.

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us-east-1.console.aws.amazon.com/iam/home

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Global Junaid, tasks (9132-1876-4078) Junaid, tasks

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Delete

Summary

ARN
arn:aws:iam::913218764078:user/Devops-user

Console access
Enabled without MFA

Access key 1
Create access key

Created
January 22, 2026, 21:23 (UTC+05:30)

Last console sign-in
Never

Permissions Groups Tags (1) Security credentials Last Accessed

Permissions policies (2)

Permissions are defined by policies attached to the user directly or through groups.

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| <input type="checkbox"/> | Policy name ⓘ | Type | Attached via ⓘ |
|--------------------------|-----------------------|----------------------------|----------------|
| <input type="checkbox"/> | AdministratorAccess | AWS managed - job function | Directly |
| <input type="checkbox"/> | IAMUserChangePassword | AWS managed | Directly |

► Permissions boundary (not set)

▼ Generate policy based on CloudTrail events

You can generate a new policy based on the access activity for this user, then customize, create, and attach it to this role. AWS uses your CloudTrail events to identify the services and actions used and generate a policy. [Learn more](#)

Generate policy

No requests to generate a policy in the past 7 days.

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```
junaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaid
on linux_amd64
+ provider registry.terraform.io/hashicorp/aws v6.27.0
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ aws configure
AWS Access Key ID [*****4605]: AKIA5JIAUPUXF6FHJVP4
AWS Secret Access Key [*****Zvrh]: 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
Default region name [ap-south-1]: us-east-1
Default output format [json]: json
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ cat <<EOF > main.tf
terraform {
  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = "~> 5.0"
    }
  }
}

# Provider for US East (N. Virginia)
provider "aws" {
  alias = "us"
  region = "us-east-1"
}

# Provider for Asia Pacific (Mumbai)
provider "aws" {
  alias = "india"
  region = "ap-south-1"
}

# EC2 instance in us-east-1
resource "aws_instance" "us_ec2" {
  provider = aws.us
  ami      = "ami-0c02fb55956c7d316"
  instance_type = "t2.micro"

  tags = {
    Name = "Terraform-US-EC2"
  }
}

# EC2 instance in ap-south-1
resource "aws_instance" "india_ec2" {
  provider = aws.india
  ami      = "ami-0da59f1af71ea4ad2"
  instance_type = "t2.micro"

  tags = {
    Name = "Terraform-India-EC2"
  }
}
EOF
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ cat main.tf
```

```
junaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaid
}
}
EOF
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ cat main.tf
terraform {
  required_providers {
    aws = {
      source  = "hashicorp/aws"
      version = "~> 5.0"
    }
  }
}

# Provider for US East (N. Virginia)
provider "aws" {
  alias  = "us"
  region = "us-east-1"
}

# Provider for Asia Pacific (Mumbai)
provider "aws" {
  alias  = "india"
  region = "ap-south-1"
}

# EC2 instance in us-east-1
resource "aws_instance" "us_ec2" {
  provider      = aws.us
  ami           = "ami-0c02fb55956c7d316"
  instance_type = "t2.micro"

  tags = {
    Name = "Terraform-US-EC2"
  }
}

# EC2 instance in ap-south-1
resource "aws_instance" "india_ec2" {
  provider      = aws.india
  ami           = "ami-0da59f1af71ea4ad2"
  instance_type = "t2.micro"

  tags = {
    Name = "Terraform-India-EC2"
  }
}
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$
```

```
junaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaid
tags = {
  Name = "Terraform-India-EC2"
}
}
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ terraform init
terraform apply
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file

Error: Failed to query available provider packages

Could not retrieve the list of available versions for provider hashicorp/aws: locked provider
registry.terraform.io/hashicorp/aws 6.27.0 does not match configured version constraint ~> 5.0; must
use terraform init -upgrade to allow selection of new versions

To see which modules are currently depending on hashicorp/aws and what versions are specified, run
the following command:
    terraform providers

Error: Required plugins are not installed

The installed provider plugins are not consistent with the packages selected in the dependency lock
file:
- registry.terraform.io/hashicorp/aws: there is no package for registry.terraform.io/hashicorp/aws 6
.27.0 cached in .terraform/providers

Terraform uses external plugins to integrate with a variety of different infrastructure services. To
download the plugins required for this configuration, run:
    terraform init

junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ terraform init -upgrade
Initializing the backend...
Initializing provider plugins...
- Finding hashicorp/aws versions matching "~> 5.0"...
- Installing hashicorp/aws v5.100.0...
- Installed hashicorp/aws v5.100.0 (signed by HashiCorp)
Terraform has made some changes to the provider dependency selections recorded
in the .terraform.lock.hcl file. Review those changes and commit them to your
version control system if they represent changes you intended to make.

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.
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$
```

```
junaaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaaid
junaaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaaid$ cat <<EOF > main.tf
terraform {
  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = "~> 5.0"
    }
  }
}

provider "aws" {
  alias = "us"
  region = "us-east-1"
}

provider "aws" {
  alias = "india"
  region = "ap-south-1"
}

# EC2 in us-east-1
resource "aws_instance" "us_ec2" {
  provider = aws.us
  ami      = "ami-0c02fb55956c7d316"
  instance_type = "t3.micro"

  tags = {
    Name = "Terraform-US-EC2"
  }
}

# EC2 in ap-south-1
resource "aws_instance" "india_ec2" {
  provider = aws.india
  ami      = "ami-0da59f1af71ea4ad2"
  instance_type = "t3.micro"

  tags = {
    Name = "Terraform-India-EC2"
  }
}
EOF
junaaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaaid$ terraform apply
aws_instance.us_ec2: Refreshing state... [id=i-06a9e5af14cf6652e]

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:
```

```
junaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaid

+ cpu_core_count = (known after apply)
+ cpu_threads_per_core = (known after apply)
+ disable_api_stop = (known after apply)
+ disable_api_termination = (known after apply)
+ ebs_optimized = (known after apply)
+ enable_primary_ipv6 = (known after apply)
+ get_password_data = false
+ host_id = (known after apply)
+ host_resource_group_arn = (known after apply)
+ iam_instance_profile = (known after apply)
+ id = (known after apply)
+ instance_initiated_shutdown_behavior = (known after apply)
+ instance_lifecycle = (known after apply)
+ instance_state = (known after apply)
+ instance_type = "t3.micro"
+ ipv6_address_count = (known after apply)
+ ipv6_addresses = (known after apply)
+ key_name = (known after apply)
+ monitoring = (known after apply)
+ outpost_arn = (known after apply)
+ password_data = (known after apply)
+ placement_group = (known after apply)
+ placement_partition_number = (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
+ spot_instance_request_id = (known after apply)
+ subnet_id = (known after apply)
+ tags = {
  + "Name" = "Terraform-India-EC2"
}
+ tags_all = {
  + "Name" = "Terraform-India-EC2"
}
+ tenancy = (known after apply)
+ user_data = (known after apply)
+ user_data_base64 = (known after apply)
+ user_data_replace_on_change = false
+ vpc_security_group_ids = (known after apply)

+ capacity_reservation_specification (known after apply)

+ cpu_options (known after apply)

+ ebs_block_device (known after apply)

+ enclave_options (known after apply)
```

```
junaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaid

    }
    + tags_all = {
      + "Name" = "Terraform-India-EC2"
    }
    + tenancy = (known after apply)
    + user_data = (known after apply)
    + user_data_base64 = (known after apply)
    + user_data_replace_on_change = false
    + vpc_security_group_ids = (known after apply)

    + capacity_reservation_specification (known after apply)

    + cpu_options (known after apply)

    + ebs_block_device (known after apply)

    + enclave_options (known after apply)

    + ephemeral_block_device (known after apply)

    + instance_market_options (known after apply)

    + maintenance_options (known after apply)

    + metadata_options (known after apply)

    + network_interface (known after apply)

    + private_dns_name_options (known after apply)

    + root_block_device (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.india_ec2: Creating...
aws_instance.india_ec2: Still creating... [00m13s elapsed]
aws_instance.india_ec2: Creation complete after 16s [id=i-00e427491b86d5d0c]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$
```

```

junaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaid
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$ terraform destroy
aws_instance.india_ec2: Refreshing state... [id=i-00e427491b86d5d0c]
aws_instance.us_ec2: Refreshing state... [id=i-06a9e5af14cf6652e]

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

Terraform will perform the following actions:

# aws_instance.india_ec2 will be destroyed
- resource "aws_instance" "india_ec2" {
  - ami                                = "ami-0da59f1af71ea4ad2" -> null
  - arn                                = "arn:aws:ec2:ap-south-1:913218764078:instance/i-00e427491
b86d5d0c" -> null
  - associate_public_ip_address        = true -> null
  - availability_zone                  = "ap-south-1a" -> null
  - cpu_core_count                     = 1 -> null
  - cpu_threads_per_core               = 2 -> null
  - disable_api_stop                   = false -> null
  - disable_api_termination            = false -> null
  - ebs_optimized                     = false -> null
  - get_password_data                  = false -> null
  - hibernation                        = false -> null
  - id                                 = "i-00e427491b86d5d0c" -> null
  - instance_initiated_shutdown_behavior = "stop" -> null
  - instance_state                     = "running" -> null
  - instance_type                      = "t3.micro" -> null
  - ipv6_address_count                 = 0 -> null
  - ipv6_addresses                     = [] -> null
  - monitoring                         = false -> null
  - placement_partition_number         = 0 -> null
  - primary_network_interface_id       = "eni-0906c462212174ed6" -> null
  - private_dns                        = "ip-172-31-42-44.ap-south-1.compute.internal" -> null
  - private_ip                         = "172.31.42.44" -> null
  - public_dns                         = "ec2-13-127-247-82.ap-south-1.compute.amazonaws.com" -> n
null
  - public_ip                          = "13.127.247.82" -> null
  - secondary_private_ips               = [] -> null
  - security_groups                     = [
    - "default",
  ] -> null
  - source_dest_check                   = true -> null
  - subnet_id                          = "subnet-06f6ed7e3a53ec22a" -> null
  - tags                               = {
    - "Name" = "Terraform-India-EC2"
  } -> null
  - tags_all                           = {
    - "Name" = "Terraform-India-EC2"
  } -> null
}

```

```

junaidd@LAPTOP-GU5B805P: /mnt/c/Users/Junaidd

- credit_specification {
  - cpu_credits = "unlimited" -> null
}

- enclave_options {
  - enabled = false -> null
}

- maintenance_options {
  - auto_recovery = "default" -> null
}

- metadata_options {
  - http_endpoint           = "enabled" -> null
  - http_protocol_ipv6      = "disabled" -> null
  - http_put_response_hop_limit = 2 -> null
  - http_tokens             = "required" -> null
  - instance_metadata_tags  = "disabled" -> null
}

- private_dns_name_options {
  - enable_resource_name_dns_a_record    = false -> null
  - enable_resource_name_dns_aaaa_record = false -> null
  - hostname_type                       = "ip-name" -> null
}

- root_block_device {
  - delete_on_termination = true -> null
  - device_name           = "/dev/xvda" -> null
  - encrypted             = false -> null
  - iops                  = 3000 -> null
  - tags                  = {} -> null
  - tags_all              = {} -> null
  - throughput            = 125 -> null
  - volume_id             = "vol-0e2b8727574e824c2" -> null
  - volume_size           = 8 -> null
  - volume_type           = "gp3" -> null
  # (1 unchanged attribute hidden)
}
}

# aws_instance.us_ec2 will be destroyed
- resource "aws_instance" "us_ec2" {
  - ami                                = "ami-0c02fb55956c7d316" -> null
  - arn                                = "arn:aws:ec2:us-east-1:913218764078:instance/i-06a9e5af14cf6652e" -> null
  - associate_public_ip_address      = true -> null
  - availability_zone                = "us-east-1f" -> null
  - cpu_core_count                   = 1 -> null
  - cpu_threads_per_core             = 2 -> null
  - disable_api_stop                 = false -> null

```

```
junaid@LAPTOP-GU5B805P: /mnt/c/Users/Junaid

- private_dns_name_options {
  - enable_resource_name_dns_a_record    = false -> null
  - enable_resource_name_dns_aaaa_record = false -> null
  - hostname_type                        = "ip-name" -> null
}

- root_block_device {
  - delete_on_termination = true -> null
  - device_name            = "/dev/xvda" -> null
  - encrypted              = false -> null
  - iops                   = 100 -> null
  - tags                   = {} -> null
  - tags_all               = {} -> null
  - throughput             = 0 -> null
  - volume_id              = "vol-0f96e121ce98e542e" -> null
  - volume_size            = 8 -> null
  - volume_type            = "gp2" -> null
  # (1 unchanged attribute hidden)
}
}

Plan: 0 to add, 0 to change, 2 to destroy.

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_instance.india_ec2: Destroying... [id=i-00e427491b86d5d0c]
aws_instance.us_ec2: Destroying... [id=i-06a9e5af14cf6652e]
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 00m13s elapsed]
aws_instance.us_ec2: Still destroying... [id=i-06a9e5af14cf6652e, 00m13s elapsed]
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 00m23s elapsed]
aws_instance.us_ec2: Still destroying... [id=i-06a9e5af14cf6652e, 00m23s elapsed]
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 00m33s elapsed]
aws_instance.us_ec2: Still destroying... [id=i-06a9e5af14cf6652e, 00m33s elapsed]
aws_instance.us_ec2: Destruction complete after 36s
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 00m43s elapsed]
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 00m56s elapsed]
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 01m06s elapsed]
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 01m16s elapsed]
aws_instance.india_ec2: Still destroying... [id=i-00e427491b86d5d0c, 01m29s elapsed]
aws_instance.india_ec2: Destruction complete after 1m30s

Destroy complete! Resources: 2 destroyed.
junaid@LAPTOP-GU5B805P:/mnt/c/Users/Junaid$
```