

010-AWS Profile

PROFILE

[How to set up and work with AWS CLI profiles](#)

~/.aws/credentials

DEFAULT

```
Access key ID: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Secret access key: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
[default]
region = us-west-2
output = json
```

DEV

```
Access key ID: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Secret access key: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
[dev]
region = us-west-2
output = json
```

QA

```
aws_access_key_id = XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
aws_secret_access_key = XXXXXXXXXXXXXXXXXXXXXXXXXXXX
[qa]
region = us-east-1
output = json
```

PROD

```
aws_access_key_id = XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
aws_secret_access_key = XXXXXXXXXXXXXXXXXXXXXXXXXXXX
[prod]
region = us-east-1
output = json
```

~/.aws/config

```
[default]
region = us-west-2
output = json
```

```
[profile dev]
region = us-west-2
output = json
```

```
[profile prod]
region = us-east-1
output = json
```

```
[profile qa]
region = us-east-1
output = json
```

Switch between profile

we need to export the profile every time that we need to switch to

```
export AWS_PROFILE=dev
export AWS_PROFILE=prod
export AWS_PROFILE=qa
```

list all the export profile

```
echo $AWS_PROFILE
```

Check from AWS

```
aws sts get-caller-identity
```

```
alias awsdev='export AWS_PROFILE=dev'
alias awsprod='export AWS_PROFILE=prod'
alias awsqa='export AWS_PROFILE=tia'
```

Run commands with profile

```
aws s3 ls --profile dev
aws s3 ls --profile qa
aws s3 ls --profile prod
```

Example

- If the profile is not defined in the provider block, terraform will use the default profile
- We do not need to define the region because it already defined in the config

```
# Terraform Settings Block
terraform {
  required_providers {
    aws = {
      source  = "hashicorp/aws"
      #version = "~> 3.21" # Optional but recommended in production
    }
  }
}

# Provider Block
provider "aws" {
  profile = "default" # AWS Credentials Profile configured on your
local desktop terminal $HOME/.aws/credentials.
#   profile = "dev"
#   profile = "qa"
#   profile = "prod"
  region = "us-east-1" # no need because it already defined in the
config
}

# Resource Block
resource "aws_instance" "ec2demo" {
  ami          = "ami-04d29b6f966df1537" # Amazon Linux in us-east-1,
update as per your region
  instance_type = "t2.micro"
}
```