

* Website hosting using Terraform

terraform {

required_providers {

aws = {

source = "hashicorp/aws"

version = "5.54.1"

}

}

}

provider "aws" {

region = "eu-north-1"

}

resource "aws_s3_bucket" "mywebapp-bkt" {

bucket = "mywebapp-bucket"

}


```

resource "aws_s3_bucket_public_access_block" "example" {
  bucket = aws_s3_bucket.mywebapp.bucket.id
  block_public_acls = false
  block_public_policy = false
  block_restrict_public_buckets = false
}

```

Take from document

```

resource "aws_s3_bucket_policy" "mywebapp" {
  bucket = aws_s3_bucket.mywebapp.bucket.id
}

```

Policy = jsonencode (

```

{
  Version = "2012-10-17"
  Statement = [

```

```

    {
      Sid = "PublicReadGetObject",
      Effect = "Allow",
      Principal = "*",
      Action = "s3:GetObject",

```

```

      Resource = "arn:aws:s3:::${aws_s3_bucket.mywebapp.bucket.id}/*"
    }
  ]
}

```



```

resource "aws_s3_object" "index.html" {
  bucket = aws_s3_bucket.mywebapp.bucket
  source = "${path.module}/index.html"
  key = "index.html"
  content_type = "text/html"
}

resource "aws_s3_object" "styles.css" {
  bucket = aws_s3_bucket.mywebapp.bucket
  source = "${path.module}/styles.css"
  key = "styles.css"
  content_type = "styles.css"
}

output "name" {
  value = aws_s3_bucket.website.bucket
}

```