

Initializing provider plugins...

- Finding latest version of hashicorp/aws...
- Finding latest version of hashicorp/random...
- Finding latest version of hashicorp/archive...
- Installing hashicorp/aws v5.63.1...
- Installed hashicorp/aws v5.63.1 (signed by HashiCorp)
- Installing hashicorp/random v3.6.2...
- Installed hashicorp/random v3.6.2 (signed by HashiCorp)
- Installing hashicorp/archive v2.5.0...
- Installed hashicorp/archive v2.5.0 (signed by HashiCorp)

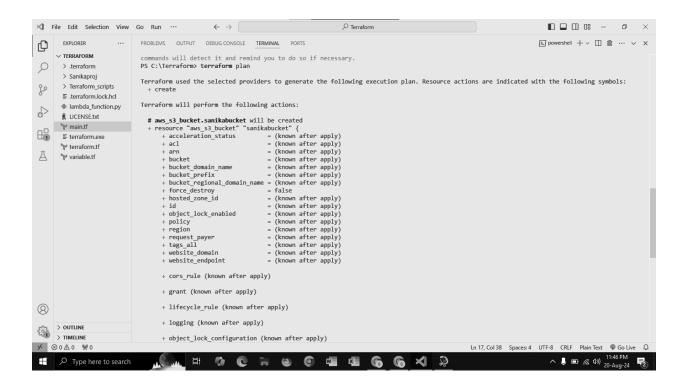
Terraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control repository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.

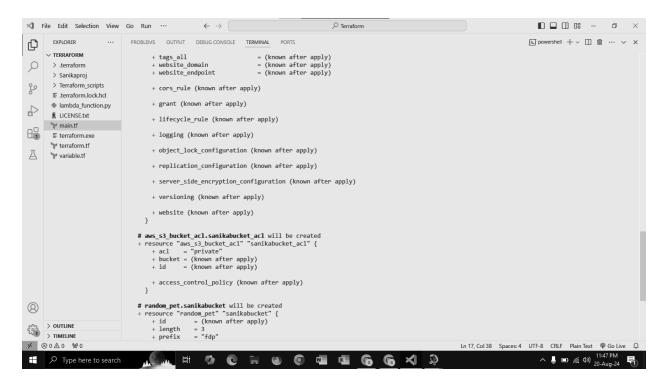
Terraform has been successfully initialized!

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.

PS C:\Terraform>





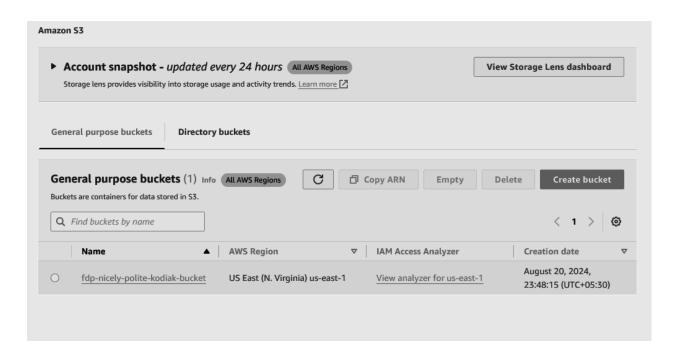
```
# aws s3 bucket acl.sanikabucket acl will be created
  + resource "aws s3 bucket_acl" "sanikabucket_acl" {
             = "private"
     + acl
     + bucket = (known after apply)
           = (known after apply)
     + access control policy (known after apply)
 # random pet.sanikabucket will be created
  + resource "random pet" "sanikabucket" {
     + id
                 = (known after apply)
     + length
                 = 3
               = "fdp"
     + prefix
     + separator = "-"
Plan: 3 to add, 0 to change, 0 to destroy.
```

```
terraform apply
random_pet.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak]
aws_s3_bucket.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak-bucket]

No changes. Your infrastructure matches the configuration.

Terraform has compared your real infrastructure against your configuration and found no differences, so no changes are needed.

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



```
#Output the ARN of the S3 bucket
output "s3_arn" {
   value = aws_s3_bucket.sanikabucket.arn
}
```

```
Apply complete! Resources: 0 added, 0 changed, 0 destroyed.
Outputs:
s3_arn = "arn:aws:s3:::fdp-nicely-polite-kodiak-bucket"
PS C:\Terraform>
```

```
# Output the region of the S3 bucket
output "s3_region" {
   value = var.myregion
}
```

```
Enter a value: yes
Apply complete! Resources: 0 added, 0 changed, 0 destroyed.
Outputs:
s3_arn = "arn:aws:s3:::fdp-nicely-polite-kodiak-bucket"
s3 region = "us-east-1"
PS C:\Terraform>
 resource "aws_sqs_queue" "myqueue" {
   name = "mySOSqueue"
random_pet.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak]
aws_s3_bucket.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak-bucket]
aws_s3_bucket.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak-bucket]
No changes. Your infrastructure matches the configuration.
Terraform has compared your real infrastructure against your configuration and found no differences, so no changes are needed.
PS C:\Terraform>
PS C:\Terraform> terraform apply
random_pet.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak]
aws_s3_bucket.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak-bucket]
No changes. Your infrastructure matches the configuration.
Terraform has compared your real infrastructure against your configuration and found no differences, so no changes are needed.
Apply complete! Resources: 0 added, 0 changed, 0 destroyed.
Outputs:
```

s3_arn = "arn:aws:s3:::fdp-nicely-polite-kodiak-bucket"

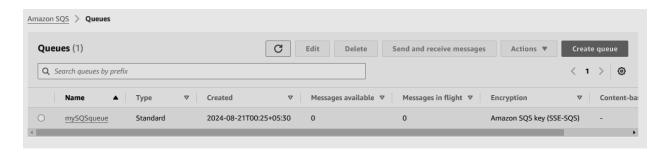
s3_region = "us-east-1" PS C:\Terraform>

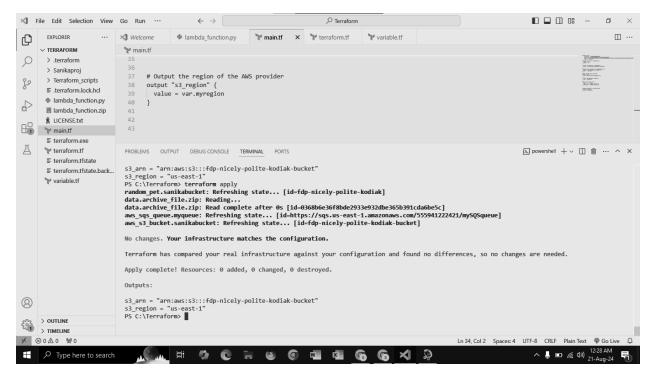
```
PS C:\Terraform> terraform plan
random_pet.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak]
aws_s3_bucket.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak-bucket]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
Terraform will perform the following actions:
  # aws_sqs_queue.myqueue will be created
  + resource "aws_sqs_queue" "myqueue" {
                                  = (known after apply)
= false
    + arn
     + content_based_deduplication
     + deduplication_scope
                                  = (known after apply)
     + url
                                  = (known after apply)
                                  = 30
     + visibility_timeout_seconds
```

```
Plan: 1 to add, 0 to change, 0 to destroy.
Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply"
PS C:\Terraform> terraform apply
random_pet.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak]
aws_s3_bucket.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak-bucket]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
Terraform will perform the following actions:
  # aws_sqs_queue.myqueue will be created
  + resource "aws_sqs_queue" "myqueue" {
                                            = (known after apply)
      + arn
      + content_based_deduplication
                                            = false
      + deduplication_scope
                                            = (known after apply)
      + delay_seconds
                                            = 0
      + fifo_queue
                                            = false
      + fifo_queue
+ fifo_throughput_limit
                                           = (known after apply)
= (known after apply)
      + id
      + kms_data_key_reuse_period_seconds = (known after apply)
                                           = 262144
```

+ max_message_size

```
= "mySQSqueue"
       + name_prefix
                                                 = (known after apply)
       + policy
                                                 = (known after apply)
       + receive_wait_time_seconds
                                                 = 0
       + redrive_allow_policy
                                                 = (known after apply)
       + redrive_policy
                                                 = (known after apply)
       + sqs_managed_sse_enabled
                                                 = (known after apply)
       + tags_all
                                                 = (known after apply)
       + url
                                                 = (known after apply)
                                                 = 30
       + visibility_timeout_seconds
     }
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_sqs_queue.myqueue: Creating...
aws_sqs_queue.myqueue: Still creating... [10s elapsed]
aws_sqs_queue.myqueue: Still creating... [20s elapsed]
aws_sqs_queue.myqueue: Creation complete after 28s [id=https://sqs.us-east-1.amazonaws.com/5559412224421/mySQSqueue]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
Outputs:
s3_arn = "arn:aws:s3:::fdp-nicely-polite-kodiak-bucket"
s3 region = "us-east-1"
PS C:\Terraform>
```





```
PS C:\Terraform> terraform plan
random_pet.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak]
data.archive_file.zip: Reading...
data.archive_file.zip: Read complete after 0s [id=0368b6e36f8bde2933e932dbe365b391cda6be5c]
aws_sqs_queue.myqueue: Refreshing state... [id=https://sqs.us-east-1.amazonaws.com/555941222421/mySQSqueue] aws_s3_bucket.sanikabucket: Refreshing state... [id=fdp-nicely-polite-kodiak-bucket]
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:
  # aws_iam_role.lambda_role will be created
+ resource "aws_iam_role" "lambda_role" {
       + arn = (known after apply)
+ assume_role_policy = jsonencode(
      + arn
               + Statement = [
                  },
               + Version = "2012-10-17"
      + create date
                                = (known after apply)
       + force_detach_policies = false
                                = (known after apply)
                                                                                                         In 72 Col 1 Spaces: 4 LITE-8 CRIE Plain Text @ Go Live O
```

