SYSTEM PROVISIONING AND CONFIGURATION MANAGEMENT

LAB FILE

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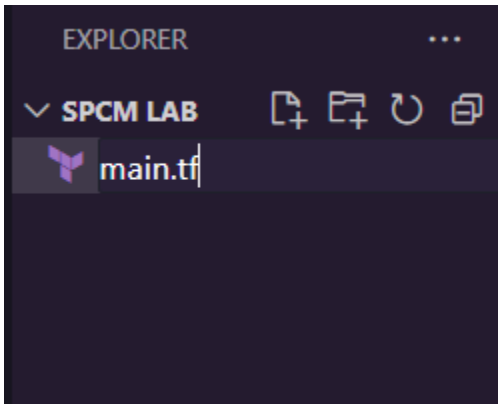
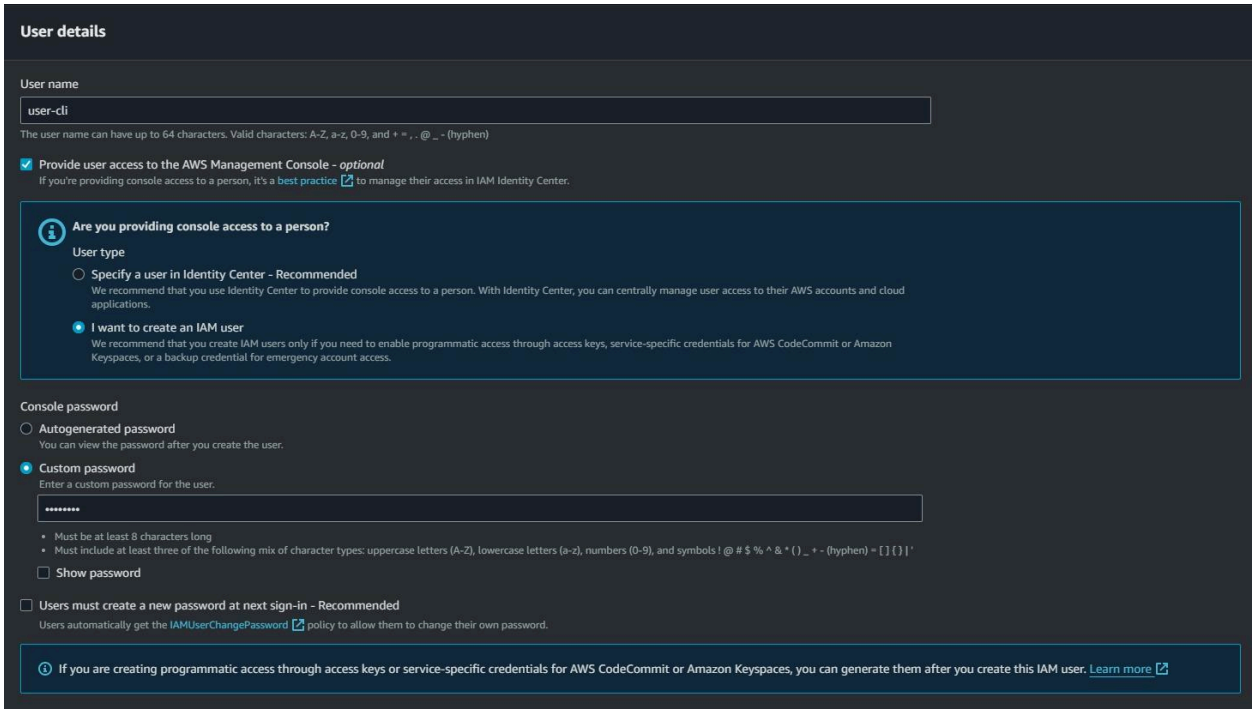
EXPERIMENT 2:

Terraform AWS Provider and IAM user Settings

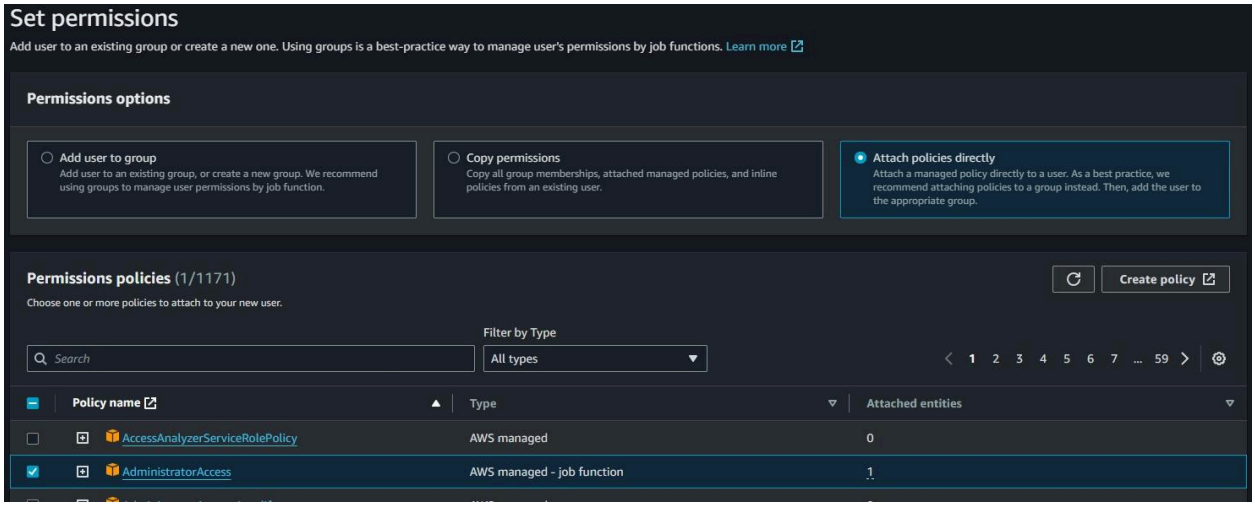
1. Create a new folder for your terraform configuration.
2. Add a file named ‘main.tf’.



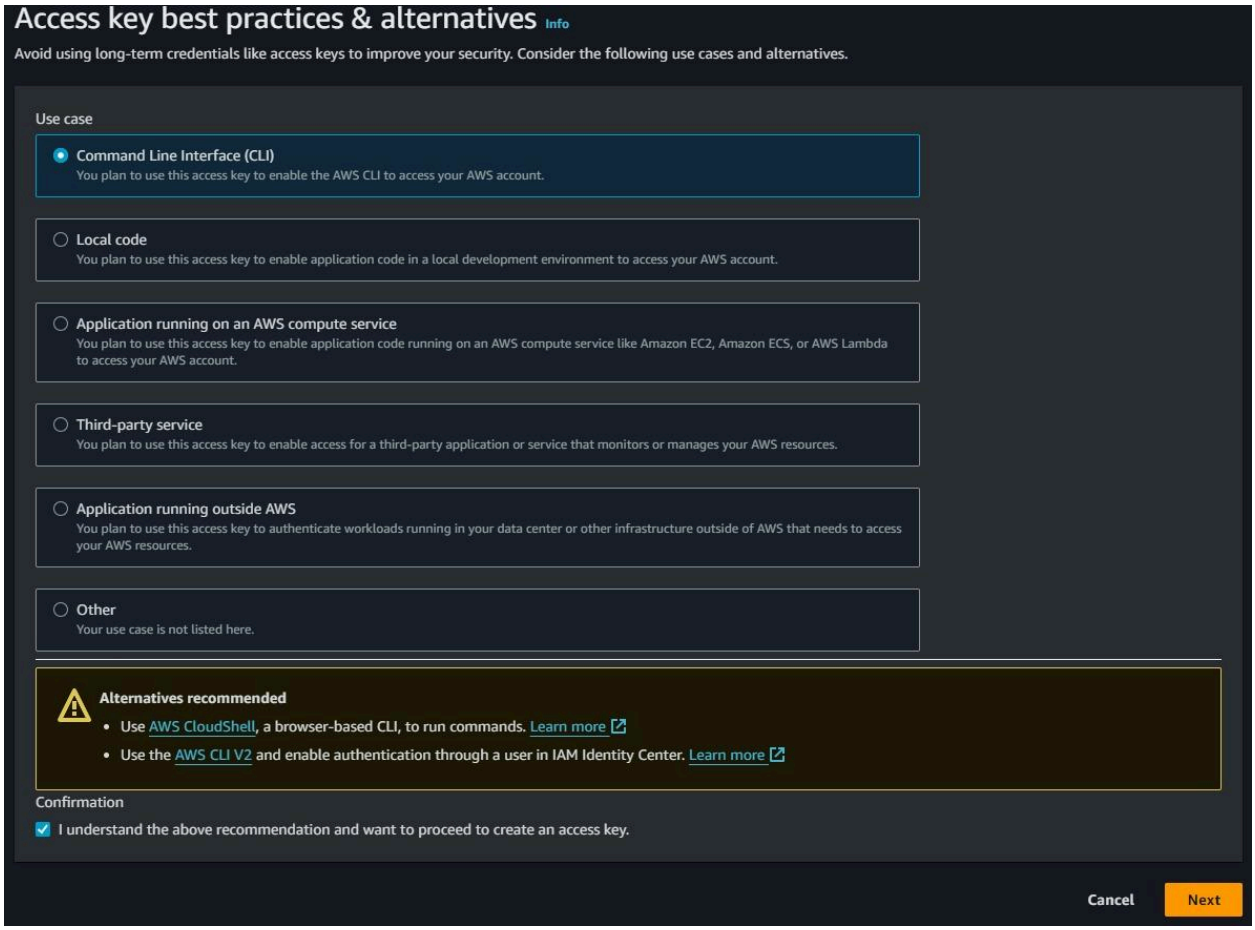
3. Now make a new IAM account in your AWS console. Also set the custom password.



4. Set appropriate permissions.



5. Select create Access Key and note down the access key and secret key.



6. Add the following content.

main.tf × Extension: HashiCorp Terraform

main.tf > provider "aws" > secret_key

```
terraform {
  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = "5.32.1"
    }
  }
}

provider "aws" {
    region = "ap-south-1"
    access_key = "AKIA3I3L5ZPMTAXRCRNR"
    secret_key = "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"
}
```

7. Run ‘terraform init’ command to initialise the working directory.

```
C:\Windows\System32\cmd.e

Microsoft Windows [Version 10.0.22631.3007]
(c) Microsoft Corporation. All rights reserved.

D:\docss\UPES\sem 6\SPCM Lab>terraform init

Initializing the backend...

Initializing provider plugins...
- Finding hashicorp/aws versions matching "5.32.1"...
- Installing hashicorp/aws v5.32.1...
- Installed hashicorp/aws v5.32.1 (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.

D:\docss\UPES\sem 6\SPCM Lab>x
```