What are we going to see in this session?

- Infrastructure Prerequisite
- Open AWS account
- Create IAM admin user
- Account final setup
- Create security group

Infrastructure Prerequisite

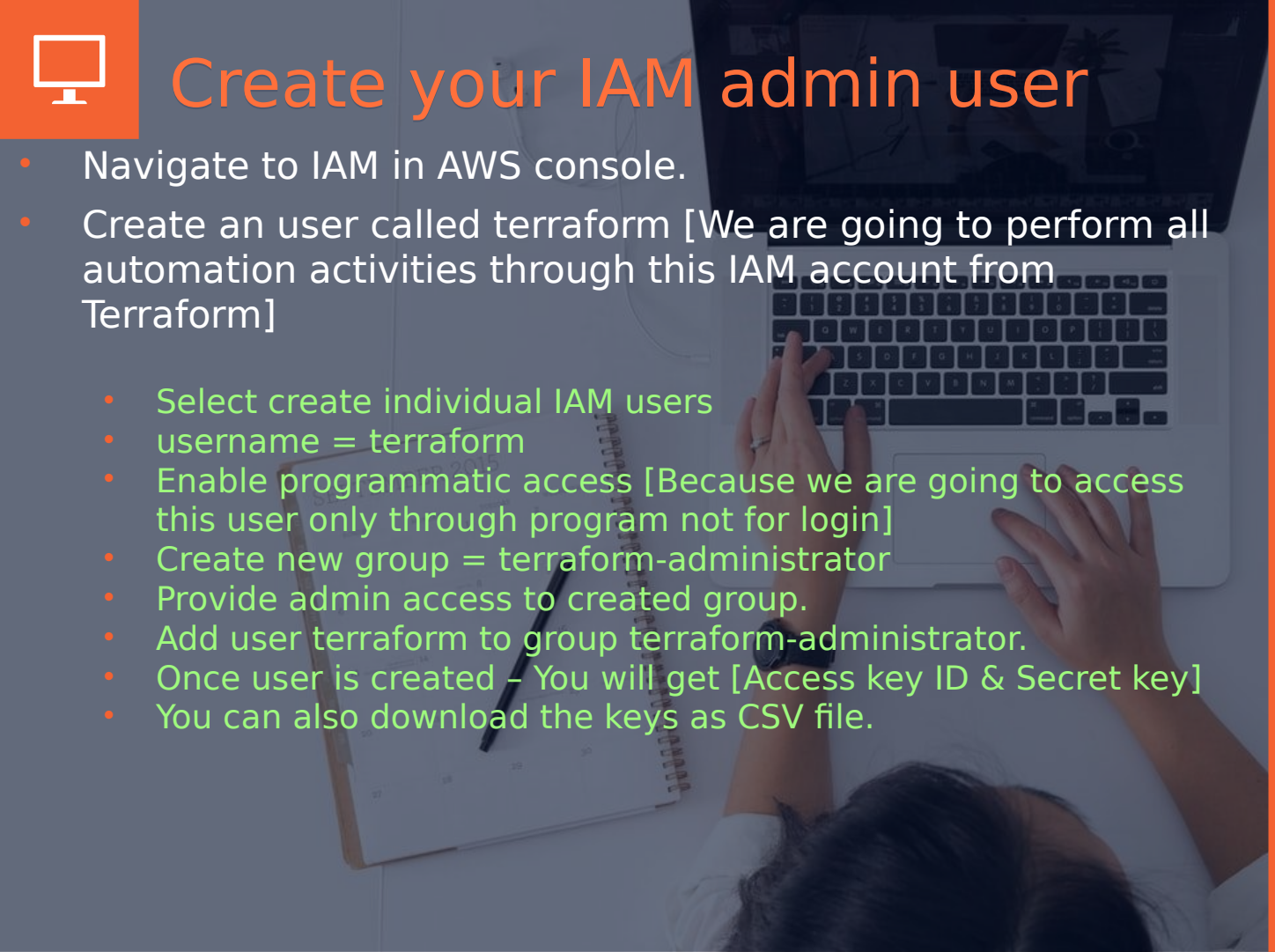
- We just need one AWS account for practise.
- One Linux or Windows machines from where you can keep your codes and apply.

Open AWS account

- As mentioned earlier we are going to see terraform with AWS in coming sessions. Hence to practice on your own you might need an AWS account.
- Most of you all know, AWS provides certain service for free on first year of your subscription so anyone can open new account with AWS and start exploring it. AWS Link
- With this free account you can start spinning up some basic configuration VMs [Which is called Free tire EC2 instances] in AWS.
- Do note : Things might cost you when you are intend to use AWS free platform.
  - using any others services such as S3, RDS etc..
  - Spinning up high resource machines apart from free tire.

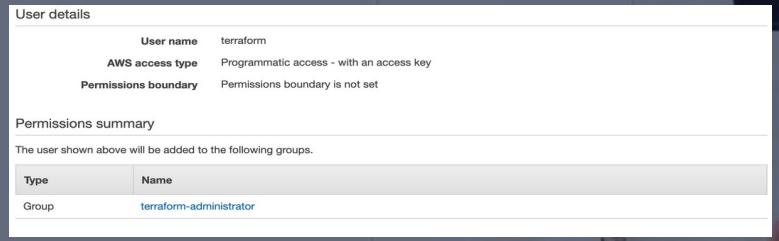
Create your IAM admin user

- Navigate to IAM in AWS console.
- Create an user called terraform [We are going to perform all automation activities through this IAM account from Terraform]
  - Select create individual IAM users
  - username = terraform
  - Enable programmatic access [Because we are going to access this user only through program not for login]
  - Create new group = terraform-administrator
  - Provide admin access to created group.
  - Add user terraform to group terraform-administrator.
  - Once user is created – You will get [Access key ID & Secret key]
  - You can also download the keys as CSV file.



Account final setup

- User & Group creation :



User details

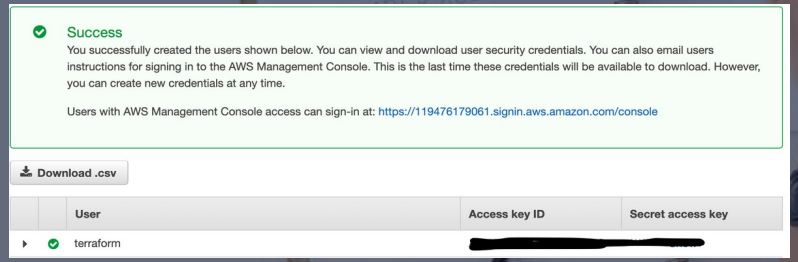
User name	terraform
AWS access type	Programmatic access - with an access key
Permissions boundary	Permissions boundary is not set

Permissions summary

The user shown above will be added to the following groups.

Type	Name
Group	terraform-administrator

- Secret access Keys



Success

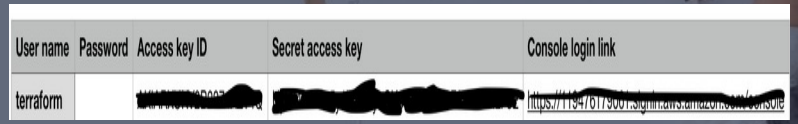
You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: https://119476179061.signin.aws.amazon.com/console

Download .csv

User	Access key ID	Secret access key
terraform	[redacted]	

- Excel file :



User name	Password	Access key ID	Secret access key	Console login link
terraform		[redacted]	[redacted]	https://119476179061.signin.aws.amazon.com/console

Create security group

- Also you can create your own security group and define the inbound and out bound traffics well in prior.
- I have created security group with name [My_custom_SG] which allows SSH (22), ICMP & HTTP (80) connections.
- You need to take a note of your security group ID which will be more similar like this sg-0eb17f441ddxxxxxx which you can use in terraform file and ensure all your instances are deployed underneath.

End of this topic !

Any questions?