



Terraform + AWS

Criação de usuário na AWS

É necessário criar um usuário para gestão da instância EC2, vou deixar aqui a documentação da AWS que mostra de forma bem resumida e direta esse procedimento:

Criar um usuário do IAM na sua Conta da AWS

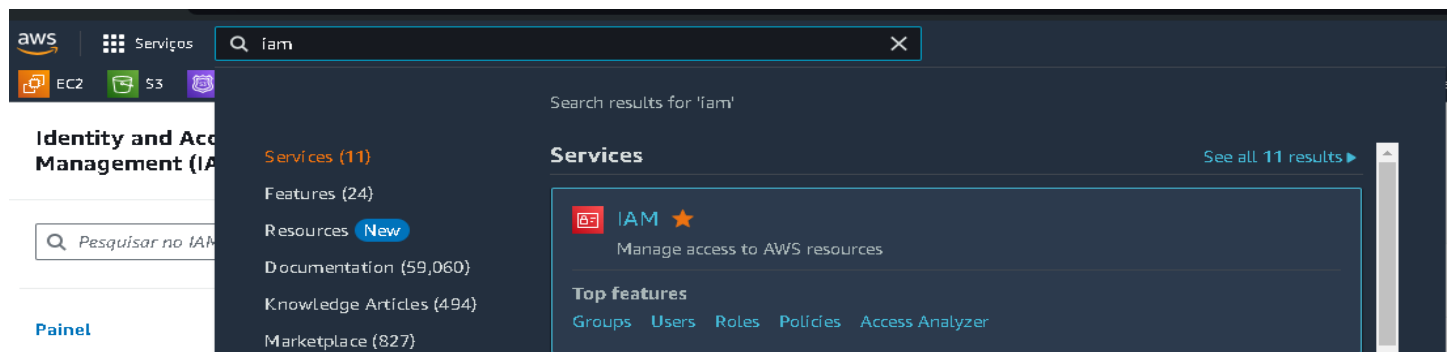
Use o AWS Management Console a AWS CLI ou comandos da API do IAM para criar um usuário e credenciais do IAM.

docs.aws.amazon.com

Vale ressaltar que esse case pode ser feito usando o nível gratuito da AWS

1 – Passo

- Vamos acessar o **IAM (Identity and Access Management)**



2 - Passo

- Precisamos criar um “**Grupo de usuário**”, clique em “**User Groups**”

▼ Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

- Depois clique em **“Create Group”**

User groups (0) Info

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Search

< 1 >

Group name	Users	Permissions	Creation time
No resources to display			

Create user group

Name the group

User group name

Enter a meaningful name to identify this group.

cli-users

Maximum 128 characters. Use alphanumeric and '+', '@', '-' characters.

- Obs.: Neste momento vamos dar acesso Full para o nosso grupo, não é o ideal, o pessoal de Segurança com toda certeza, tiraria o nosso coro... hehehe... mas vocês podem se aprofundar mais depois e pesquisar quais **Policy** é necessário para que consiga executar a criação da infra, EC2 e etc... e dar as permissões corretas e necessárias.

Attach permissions policies - Optional (1/942) Info

You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.

Search

Filter by Type

All types

< 1 2 3 4 5 6 7 ... 48 >

Policy name	Type	Used as	Description
<input checked="" type="checkbox"/> AdministratorAccess	AWS managed - job function	None	Provides full access to AWS services an...

- Feito isso clique em **“Create user group”**

User groups (1) Info

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Search

< 1 >

Group name	Users	Permissions	Creation time
<input type="checkbox"/> cli-users	0	Defined	Now

- Agora vamos criar o nosso usuário, clique em **“Users”** e depois em **“Create User”**

Users (0) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search

< 1 >

User name	Path	Group	Last activity	MFA	Password age	Console last sign-in	Access key ID	Active key age
No resources to display								

- Agora que já adicionou o seu **“User name”** clique em **“Next”**

User details

User name

terraform-bt-dvp

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and +, =, @, _ (hyphen)

☐ Provide user access to the AWS Management Console - optional

If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

Cancel

Next

- Agora precisamos vincular o **User** em um **Grupo**, vamos vincular ao grupo que criamos.

Permissions options

☒ Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

☐ Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.

☐ Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

User groups (1/1)

Search

< 1 >

<input checked="" type="checkbox"/>	Group name	Users	Attached policies	Created
<input checked="" type="checkbox"/>	cli-users	0	AdministratorAccess	2024-07-11 (4 minutes ago)

▶ Set permissions boundary - optional

- Clique em “**Next**” e por fim em “**Create User**”

Review and create

Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.

User details

User name

terraform-bt-dvp

Console password type

None

Require password reset

No

Permissions summary

< 1 >

Name	Type	Used as
cli-users	Group	Permissions group

Tags - optional

Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

Key

Projeto

×

Value - optional

Bootcamp-Ciclo-02

×

Remove

Add new tag

You can add up to 49 more tags.

Cancel

Previous

Create user

- Após criar o usuário, selecione o mesmo para criar a chave de acesso que vamos usar na configuração na nossa máquina no prompt com o AWS CLI, para conseguir criar a estrutura, EC2 etc. na AWS via **Terraform!**

Users (1) [Info](#)

Search

< 1 >

<input type="checkbox"/>	User name	Path	Groups	Last activity	MFA	Password age	Console last sign-in	Access key ID	Active key age
<input type="checkbox"/>	terraform-bt-dvp	/	1	-	-	-	-	-	-

- Após selecionar o usuário, na parte superior clique em **“Create access key”**

terraform-bt-dvp Info Delete

Summary

ARN arn:aws:iam::590183721959:user/terraform-bt-dvp	Console access Disabled	Access key 1 Create access key
Created July 11, 2024, 00:18 (UTC-03:00)	Last console sign-in -	

- Após clicar em **“Create access key”**, selecione o Use case **“Command Line Interface (CLI)”** e marque **“I understand the above recommendation and want to proceed to create an access key”**.

Access key best practices & alternatives Info

Avoid using long-term credentials like access keys to improve your security. Consider the following use cases and alternatives.

Use case

☒ **Command Line Interface (CLI)**
You plan to use this access key to enable the AWS CLI to access your AWS account.


☐ **Local code**
You plan to use this access key to enable application code in a local development environment to access your AWS account.

☐ **Application running on an AWS compute service**
You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.

☐ **Third-party service**
You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.

☐ **Application running outside AWS**
You plan to use this access key to authenticate workloads running in your data center or other infrastructure outside of AWS that needs to access your AWS resources.

☐ **Other**
Your use case is not listed here.

 **Alternatives recommended**

- Use [AWS CloudShell](#), a browser-based CLI, to run commands. [Learn more](#)
- Use the [AWS CLI V2](#) and enable authentication through a user in IAM Identity Center. [Learn more](#)

Confirmation

☒ I understand the above recommendation and want to proceed to create an access key.

- Clique em **“Next”** e na próxima tela, clique em **“Create access key”**

Set description tag - optional Info

The description for this access key will be attached to this user as a tag and shown alongside the access key.

Description tag value

Describe the purpose of this access key and where it will be used. A good description will help you rotate this access key confidently later.

Maximum 256 characters. Allowed characters are letters, numbers, spaces representable in UTF-8, and: _ . : / = + - @



Cancel Previous **Create access key**

- Após criar a chave, salve a sete chaves... 😊 ... ah! Faça o download do **.csv** e clique em **“Done”**!

Retrieve access keys Info

Access key

If you lose or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.

Access key	Secret access key
 AKIAYS2NQ5PT4AZQ4B4S	 ***** Show

Vinculando usuário ao AWS CLI

- Agora vamos vincular o nosso usuário ao AWS CLI na nossa máquina.
- Abra o PowerShell e digite # aws configure

```
PS C:\Users\theca> aws configure
AWS Access Key ID [*****PVWI]:
AWS Access Key ID [*****PKNR]: AKIA2EXEE0DLZEYBF5HF
AWS Secret Access Key [*****zQ6T]: a+Qr4cCGFLdj1GDgs1cI9vRbRsRi3SbmyPi9
Default region name [US-EAST-1]: us-east-1
Default output format [JSON]:
```

- Feito isso, agora vamos conseguir executar no **terraform** para provisionar a nossa estrutura etc. 😊