



THE CLOUD BOOTCAMP
DESAFIO IAM AWS

Primeiramente criei os grupos, não usei os mesmos nomes que o professor usou durante a vídeo aula e, também defini apenas 3 grupos. Depois criei a politica utilizando o script passado pelo professor. Depois pesquisei na documentação como adicionar uma politica via AWS CLI e encontrei o comando: `aws iam attach-user-policy --policy-arn arn:aws:iam::ACCOUNT-ID:policy/EnforceMFAPolicy --user-name 'USUARIO'` e com isso consegui concluir o desafio de automação da criação dos usuários de forma automatizada. Decidi associar a politica ao usuário e não ao grupo para manter ambos isolados e também para aprender sobre mais como associar politicas programaticamente.

Print dos Grupos na AWS

IAM > User groups

User groups (3) [Info](#)

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

☐

Group name

▼

Users

Permissions

Creation time

▼

☐

CloudAdmins

• Loading

• Loading

11 days ago

☐

CloudDBAs

• Loading

• Loading

11 days ago

☐

CloudReadOnly

• Loading

• Loading

11 days ago

↺

1

↻

⚙

↺

↻

Create group

Permissão do Grupo CloudAdmins


IAM > User groups > CloudAdmins

CloudAdmins

Delete

Summary


Edit


User group name	Creation time	ARN
CloudAdmins	November 20, 2021, 11:28 (UTC-03:00)	 arn:aws:iam::226468448248:group/CloudAdmins




UsersPermissionsAccess Advisor

Permissions policies (1) Info

You can attach up to 10 managed policies.

 Simulate Remove Add permissions ▼

 Filter policies by property or policy name and press enter < 1 > 

<input type="checkbox"/>	Policy name 	Type	Description
<input type="checkbox"/>	  AdministratorAccess	AWS managed - job function	Provides full access to AWS services an...

Permissão do Grupo CloudDBAs


IAM > User groups > CloudDBAs

CloudDBAs

Delete

Summary


Edit


User group name	Creation time	ARN
CloudDBAs	November 20, 2021, 11:29 (UTC-03:00)	 arn:aws:iam::226468448248:group/CloudDBAs





- Users
- Permissions
- Access Advisor

Permissions policies (1) [Info](#)

You can attach up to 10 managed policies.

 [Simulate](#) [Remove](#) [Add permissions](#) ▼

< 1 > 

<input type="checkbox"/>	Policy name 	Type	Description
<input type="checkbox"/>	  AmazonRDSFullAccess	AWS managed	

Permissão do Grupo CloudReadOnly


IAM > User groups > CloudReadOnly

CloudReadOnly

Delete

Summary


Edit

User group name	Creation time	ARN
CloudReadOnly	November 20, 2021, 11:37 (UTC-03:00)	 am:aws:iam::226468448248:group/CloudReadOnly

UsersPermissionsAccess Advisor



Permissions policies (1) [Info](#)

You can attach up to 10 managed policies.

 [Simulate](#) [Remove](#) [Add permissions](#) ▼

 *Filter policies by property or policy name and press enter*

< 1 > 

<input type="checkbox"/>	Policy name 	Type	Description
<input type="checkbox"/>	 ReadOnlyAccess	AWS managed	Provides read-only access to AWS services and ...

Usuários Criados via AWS CLI

IAM > Users

Users (32) Info

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

Find users by username or access key

Refresh

Delete

Add users

< 1 2 >

Settings

<input type="checkbox"/>	User name	Groups	Last activity	MFA	Password age	Active key age
<input type="checkbox"/>	adrianaelaineramos	CloudAdmins	Never	None	✔ 3 hours ago	-
<input type="checkbox"/>	alexandrecauaaugustogomes	CloudDBAs	Never	None	✔ 3 hours ago	-
<input type="checkbox"/>	amandaagathagiovannaalmada85	CloudReadOnly	Never	None	✔ 3 hours ago	-
<input type="checkbox"/>	anaceciliadamota	CloudReadOnly	Never	None	✔ 3 hours ago	-
<input type="checkbox"/>	andersoncaualopes	CloudDBAs	Never	None	✔ 3 hours ago	-
<input type="checkbox"/>	antonellalopes	CloudAdmins	Never	None	✔ 3 hours ago	-
<input type="checkbox"/>	auroragiovanasarahdacosta	CloudReadOnly	Never	None	✔ 3 hours ago	-
<input type="checkbox"/>	beatrizmarianealmada80	CloudReadOnly	Never	None	✔ 3 hours ago	-

Exemplo de Política Associada ao Usuário

Users > adrianaelaineramos

Summary

Delete user



User ARN am:aws:iam::226468448248:user/adrianaelaineramos



Path

/

Creation time 2021-12-02 10:41 UTC-0300

Permissions

Groups (1)

Tags

Security credentials

Access Advisor

▼ Permissions policies (2 policies applied)

Add permissions

+ Add inline policy

Policy name ▼

Policy type ▼

Attached directly



EnforceMFAPolicy

Managed policy



Arquivo CSV Utilizado

Name	Email	Password	User	Group	Policy
Geraldo Benedito Rocha	geraldobeneditorocha@jsagromecanica.com.br	MeMude123@	geraldobeneditorocha	CloudAdmins	EnforceMFAPolicy
Sueli Eloá Rezende	ssuelielloarezende@valeparaibano.com.br	MeMude123@	ssuelielloarezende	CloudAdmins	EnforceMFAPolicy
Raimundo Fábio Tomás Novaes	rraimundofabiotomasnovaes@cenia.com.br	MeMude123@	rraimundofabiotomasnovaes	CloudAdmins	EnforceMFAPolicy
Daiane Daniela Allana Nunes	daianedanielaallananunes88@uniara.com.br	MeMude123@	daianedanielaallananunes88	CloudAdmins	EnforceMFAPolicy
Sophia Francisca de Paula	sophiafranciscadepaula@netpont.com.br	MeMude123@	sophiafranciscadepaula	CloudAdmins	EnforceMFAPolicy
Isis Manuela Malu Barros	iisismmanuelamalubarros@fredericodiniz.com	MeMude123@	iisismmanuelamalubarros	CloudAdmins	EnforceMFAPolicy
Mateus Joaquim Sérgio Carvalho	mateusjoaquirsergiocarvalho@caocarinho.com.br	MeMude123@	mateusjoaquirsergiocarvalho	CloudAdmins	EnforceMFAPolicy
Adriana Elaine Ramos	adrianaelaineramos@pontofinalcafe.com.br	MeMude123@	adrianaelaineramos	CloudAdmins	EnforceMFAPolicy
Tiago Manoel Pereira	tiagomanoelpereira@yahoo.ca	MeMude123@	tiagomanoelpereira	CloudAdmins	EnforceMFAPolicy
Allana Luna Antonella Lopes	antonellalopes@mantegassi.com	MeMude123@	antonellalopes	CloudAdmins	EnforceMFAPolicy
Sara Rayssa Rezende	sarezende@superativacoop.com.br	MeMude123@	sarezende	CloudAdmins	EnforceMFAPolicy
Nelson Jorge de Paula	nelsonjorgedepaula96@gastrolight.com.br	MeMude123@	nelsonjorgedepaula96	CloudDBAs	EnforceMFAPolicy
Anderson Cauã Lopes	andersoncaualopes@editorazap.com.br	MeMude123@	andersoncaualopes	CloudDBAs	EnforceMFAPolicy
Gabriela Vitória Rosângela Corte Real	gabrielavitoriarosangelacortereal@hotmailo.com	MeMude123@	gabrielavitoriarosangelacortereal	CloudDBAs	EnforceMFAPolicy
Alexandre Cauã Augusto Gomes	alexandrecauaugustogomes@comdados.com	MeMude123@	alexandrecauaugustogomes	CloudDBAs	EnforceMFAPolicy
Otávio Iago Barros	otavioiagobarros@editorazap.com.br	MeMude123@	otavioiagobarros	CloudDBAs	EnforceMFAPolicy
Elza Rafaela Galvão	eelzarafaelagalvao@grupogil.com.br	MeMude123@	eelzarafaelagalvao	CloudDBAs	EnforceMFAPolicy
Amanda Agatha Giovanna Almada	amandaagathagiovannaalmada85@zipmail.com	MeMude123@	amandaagathagiovannaalmada85	CloudReadOnly	EnforceMFAPolicy
Aurora Giovana Sarah da Costa	auroragiovanasarahdacosta@michaelpage.com.br	MeMude123@	auroragiovanasarahdacosta	CloudReadOnly	EnforceMFAPolicy
Beatriz Mariane Almada	beatrizmarianealmada80@ativacofres.com.br	MeMude123@	beatrizmarianealmada80	CloudReadOnly	EnforceMFAPolicy
Vitória Joana Caldeira	vitoriajoanacaldeira@boiago.com.br	MeMude123@	vitoriajoanacaldeira	CloudReadOnly	EnforceMFAPolicy
Isabelly Yasmin Drumond	isabellyasmindrumond@operaconstrutora.com.br	MeMude123@	isabellyasmindrumond	CloudReadOnly	EnforceMFAPolicy
Tiago Yuri Moreira	ttiagoyurimoreira@maggityota.com.br	MeMude123@	ttiagoyurimoreira	CloudReadOnly	EnforceMFAPolicy
Julia Larissa Nogueira	julialarissanogueira@marcofaria.com	MeMude123@	julialarissanogueira	CloudReadOnly	EnforceMFAPolicy
Nair Sophie Emily Alves	nairsophieemilyalves@dc4.com.br	MeMude123@	nairsophieemilyalves	CloudReadOnly	EnforceMFAPolicy
Marina Alice Helena da Luz	marinaalicehelenadaluz@gsw.com.br	MeMude123@	marinaalicehelenadaluz	CloudReadOnly	EnforceMFAPolicy
Valentina Sophia Bernardes	valentinasophiabernardes@jpmanager.com.br	MeMude123@	valentinasophiabernardes	CloudReadOnly	EnforceMFAPolicy
Renato Filipe da Mata	renatofilipedamata@vilarreal.com.br	MeMude123@	renatofilipedamata	CloudReadOnly	EnforceMFAPolicy
Juan Samuel Sebastião dos Santos	juansamuelsebastiaodossantos@geopx.com.br	MeMude123@	juansamuelsebastiaodossantos	CloudReadOnly	EnforceMFAPolicy
Hadassa Mariana Cecília da Mota	anaceciliadamota@igoralcantara.com.br	MeMude123@	anaceciliadamota	CloudReadOnly	EnforceMFAPolicy

Script Shell Utilizado

jcsantos@DESKTOP-AV1H8JD: ~/projects/tcb-aws-mod2-challenge/iam

```
GNU nano 4.8                                myscript.sh
#!/bin/env bash
# aws iam attach-user-policy --policy-arn arn:aws:iam::226468448248:policy/EnforceMFAPolicy --user-name jcsantosgit
IFS=';'
OLDIFS=$IFS

echo "Processing..."

while read -r name email password user group policy; do
    if [ "$user" != "User" ]; then
        aws iam create-user --user-name $user
        aws iam create-login-profile --password-reset-required --user-name $user --password $password
        aws iam add-user-to-group --group-name $group --user-name $user
        aws iam attach-user-policy --policy-arn arn:aws:iam::226468448248:policy/EnforceMFAPolicy --user-name $user
        echo "-----"
    fi
done < "$1"

echo "The script was executed successfully :)"
```

Para acessar o GitHub do projeto [clique aqui](#)