



# DESAFÍO ENTREGABLE I

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## Creación de grupos y usuarios

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# INTRODUCCION

El presente informe tiene como finalidad la resolución del Desafío Entregable N°1 correspondiente al curso de Cloud Computing (AWS) de Coderhouse.

El mismo consiste en:

- Crear 2 grupos en AWS con el servicio de IAM. Los grupos deberán llamarse: bigdata-admin y bigdata-read.
- El grupo de admin deberá tener una política de **AdministradorAccess**, en cambio el grupo de bigdata-read deberá contar con una política de **AmazonS3ReadOnlyAccess**.
- A su vez se deberá crear y asignar un usuario a cada grupo definido.

## DESARROLLO

### Prompt

Para la resolución del ejercicio se utilizó AI. A continuación de muestra el prompt empleado:

{

*"model": "gpt-3.5-turbo",*

*"message": {*

*rol: "sos un estudiante haciendo un curso inicial de AWS y tenes que resolver una tarea",  
contexto: "Crear 2 grupos en AWS con el servicio de IAM. Los grupos deberán llamarse:  
bigdata-admin y bigdata-read. El grupo de admin deberá tener una política de  
AdministradorAccess, en cambio el grupo de bigdata-read deberá contar con una política  
de AmazonS3ReadOnlyAccess. A su vez se deberá crear y asignar un usuario a cada  
grupo definido.",  
pregunta: "Puede generar un informe describiendo los pasos a seguir y poniendo  
[captura de pantalla] en los lugares donde necesito colocar un screenshot?",  
resultado: "Documento en PDF en el cual se visualice la creación de los grupos y los  
usuarios a través de capturas de pantalla de la actividad realizada."*

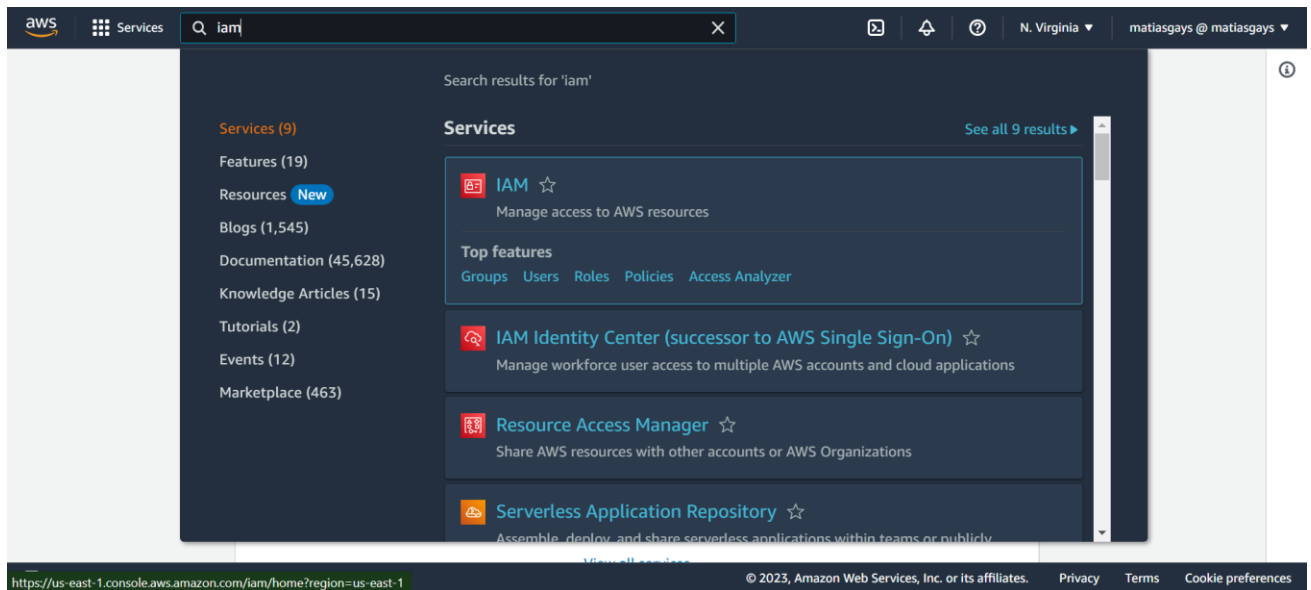
*}*

}

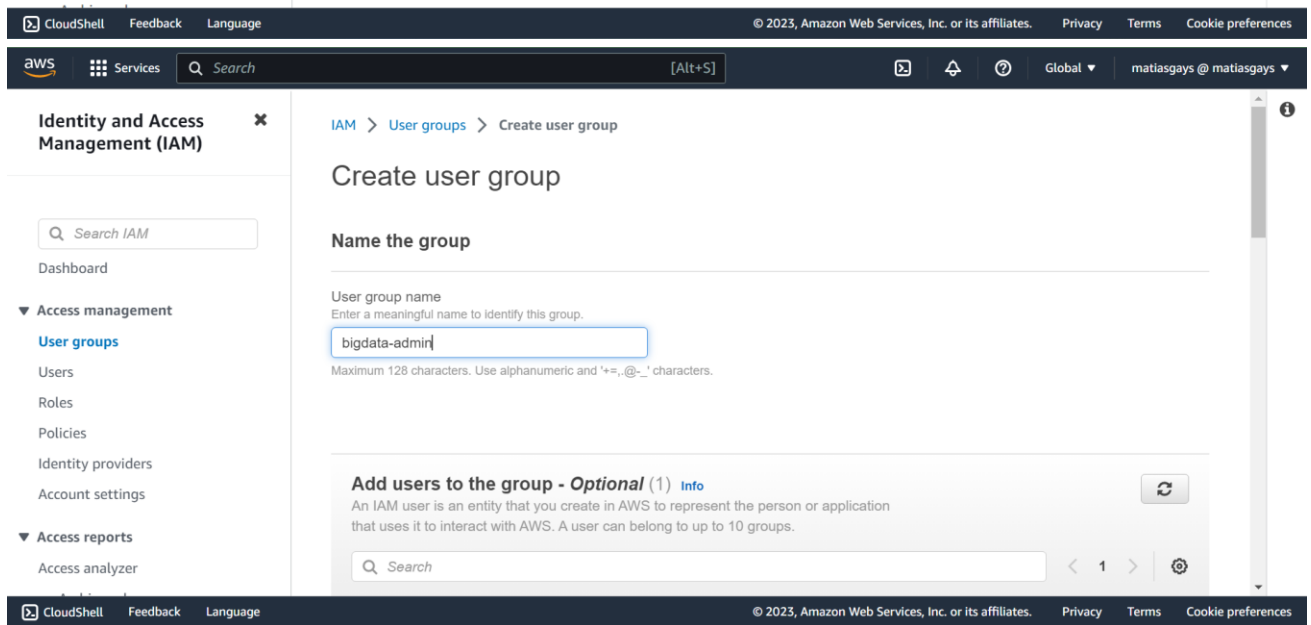
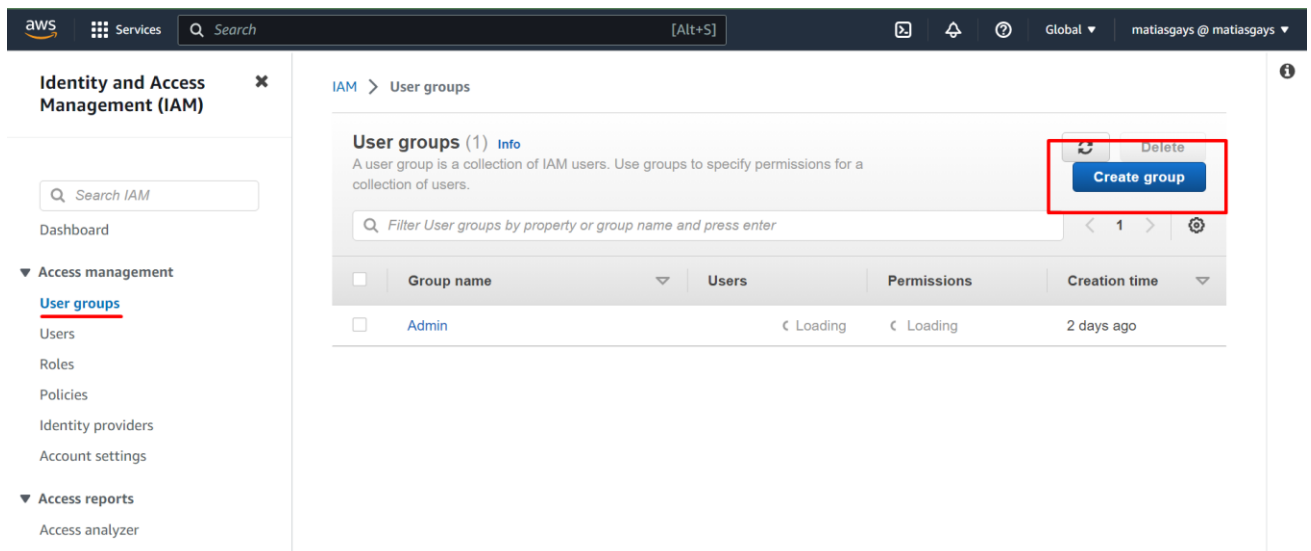
### Ejercicio

**PASO 1:** INICIO DE SESIÓN EN LA CONSOLA DE AWS CON MIS CREDENCIALES

**PASO 2:** ACCESO AL SERVICIO IAM



### PASO 3: CREACIÓN DEL GRUPO "BIGDATA-ADMIN"



#### PASO 4: ASIGNACIÓN DE POLÍTICA "ADMINISTRADORACCESS" AL GRUPO "BIGDATA-ADMIN"

The screenshot shows the AWS IAM console interface. On the left, the 'Identity and Access Management (IAM)' sidebar is visible with a search bar and navigation links for 'Access management' (User groups, Users, Roles, Policies, Identity providers, Account settings) and 'Access reports' (Access analyzer). The main content area displays a search for 'administrator' with 14 matches. A table lists various AWS managed policies. The 'AdministratorAccess' policy is selected, indicated by a blue highlight and a checked checkbox in the first column.

	Policy name	Type	Description
<input type="checkbox"/>	AWSSSODirectoryAdministrator	AWS managed	Administrator acce
<input type="checkbox"/>	DatabaseAdministrator	AWS managed - job function	Grants full access
<input type="checkbox"/>	AWSSSOMasterAccountAdministrator	AWS managed	Provides access w
<input type="checkbox"/>	AWSCloud9Administrator	AWS managed	Provides administr
<input type="checkbox"/>	AWSSSOMemberAccountAdministrator	AWS managed	Provides access w
<input checked="" type="checkbox"/>	AdministratorAccess	AWS managed - job function	Provides full access
<input type="checkbox"/>	AmazonAPIGatewayAdministrator	AWS managed	Provides full access
<input type="checkbox"/>	AWSAppSyncAdministrator	AWS managed	Provides administr

#### PASO 5: CREACIÓN DEL GRUPO "BIGDATA-READ"

The screenshot shows the AWS IAM console interface after creating a user group. A green notification banner at the top states 'bigdata-admin user group created.' with a 'View group' button. The main content area shows the 'User groups (2)' section. A table lists the existing user groups: 'Admin' and 'bigdata-admin'. The 'bigdata-admin' group is shown with a 'Defined' status and 'Now' creation time. A red box highlights the 'Create group' button in the top right corner of the 'User groups' section.

bigdata-admin user group created. [View group](#)

IAM > User groups

**User groups (2)** Info

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

Filter User groups by property or group name and press enter

	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	Admin	⌂ Loading	⌂ Loading	2 days ago
<input type="checkbox"/>	bigdata-admin	⌂ Loading	✔ Defined	Now

aws Services Search [Alt+S] Global matiasgays @ matiasgays

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

IAM > User groups > Create user group

### Create user group

**Name the group**

User group name  
Enter a meaningful name to identify this group.

bigdata-read

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

**Add users to the group - Optional (1)** Info

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.

Search

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## PASO 6: ASIGNACIÓN DE POLÍTICA "AMAZONS3READONLYACCESS" AL GRUPO "BIGDATA-READ"

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Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

IAM > User groups > Create user group

### Create user group

**Attach permissions policies - Optional** (Selected 1/836) 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.

Filter policies by property or policy name and press enter. 1 match

"AmazonS3ReadOnlyAccess" Clear filters

<input checked="" type="checkbox"/>	Policy name	Type	Description
<input checked="" type="checkbox"/>	AmazonS3ReadOnlyAccess	AWS managed	Provides read only access to all

Cancel Create group

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Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

bigdata-read user group created. View group

IAM > User groups

### User groups (3)

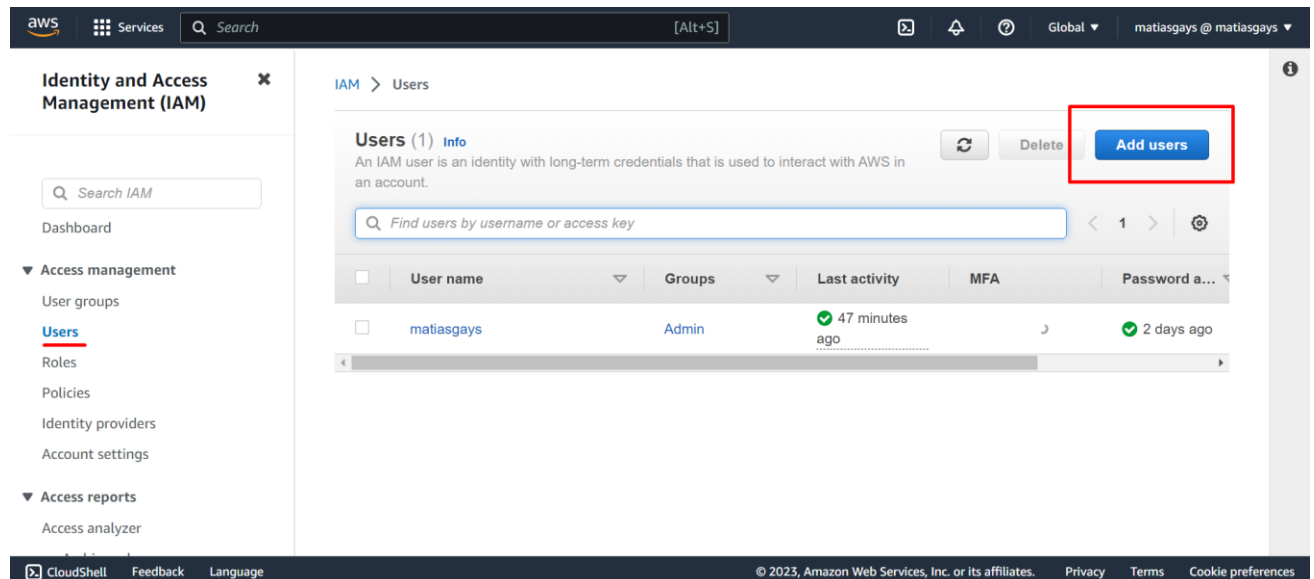
A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Filter User groups by property or group name and press enter

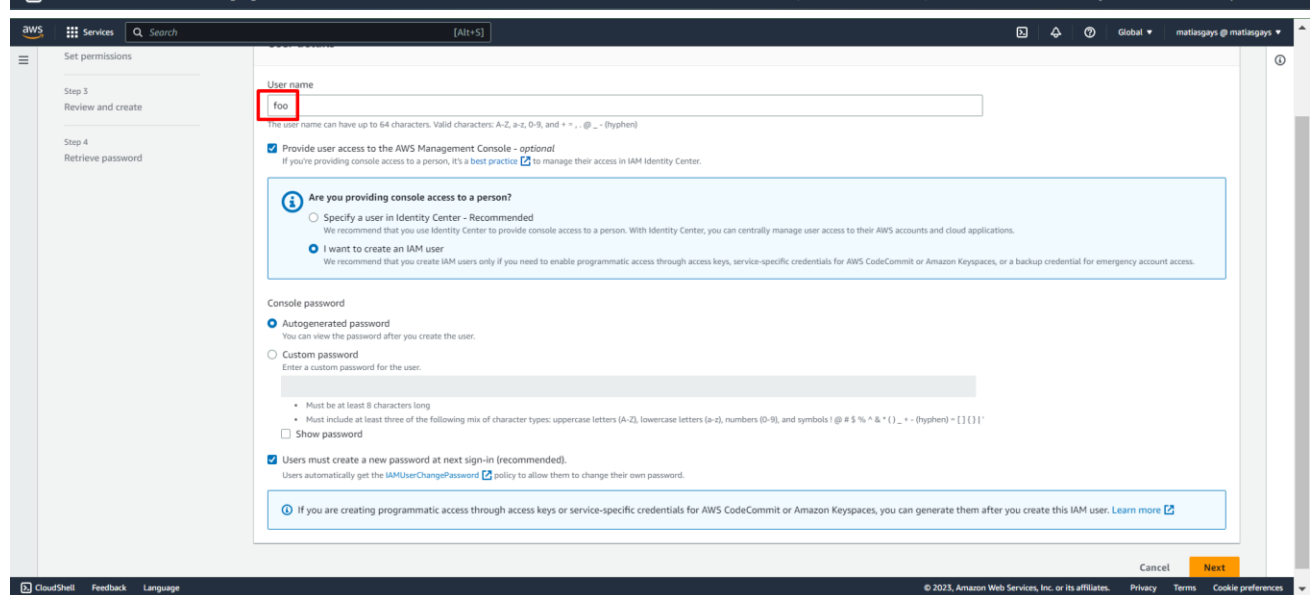
<input type="checkbox"/>	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	Admin	^ Loading	^ Loading	2 days ago
<input type="checkbox"/>	bigdata-admin	^ Loading	Defined	3 minutes ago
<input type="checkbox"/>	bigdata-read	^ Loading	Defined	Now

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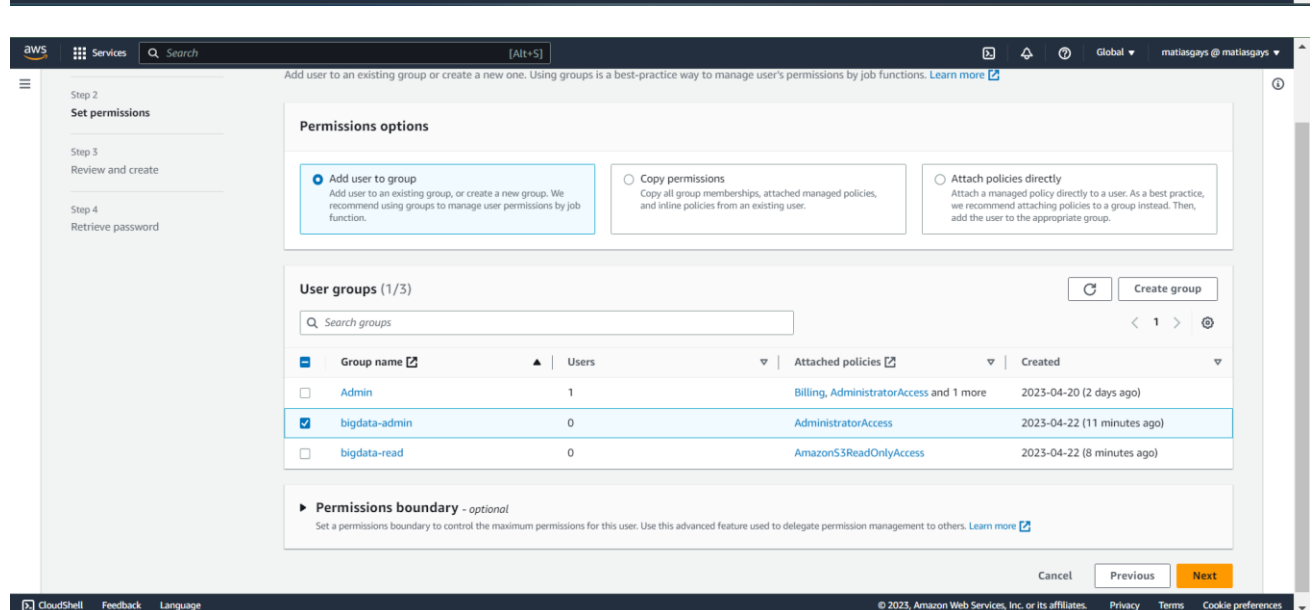
## PASO 7: CREACIÓN DE UN USUARIO PARA EL GRUPO "BIGDATA-ADMIN"



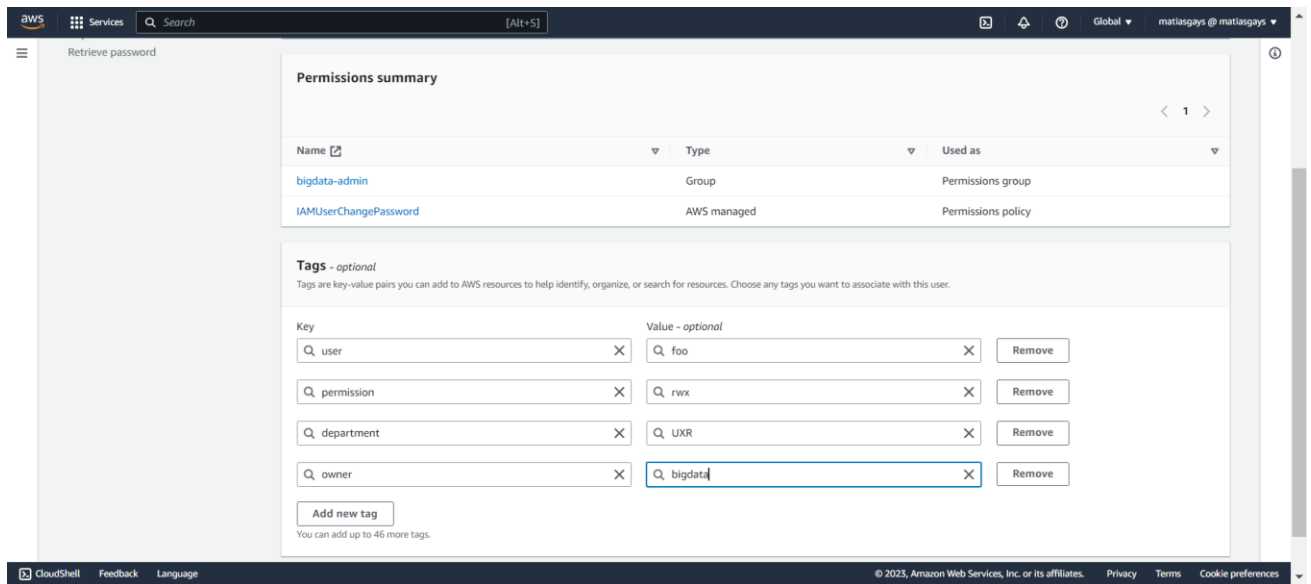
The screenshot shows the AWS IAM console 'Users' page. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like 'Dashboard', 'Access management', 'Users', 'Roles', 'Policies', 'Identity providers', 'Account settings', 'Access reports', and 'Access analyzer'. The main content area shows 'Users (1)' with a table listing the user 'matiasgays' in the 'Admin' group. The 'Add users' button is highlighted with a red rectangle.



The screenshot shows the 'Create user' wizard, Step 3: Review and create. The 'User name' field is highlighted with a red rectangle. The wizard includes sections for 'Are you providing console access to a person?' (with options for 'Specify a user in Identity Center' and 'I want to create an IAM user'), 'Console password' (with options for 'Autogenerated password' and 'Custom password'), and 'Users must create a new password at next sign-in'. The 'Next' button is highlighted in orange.



The screenshot shows the 'Create user' wizard, Step 4: Set permissions. The 'Add user to group' option is selected. The 'Permissions options' section shows three choices: 'Add user to group', 'Copy permissions', and 'Attach policies directly'. The 'User groups' table lists the 'bigdata-admin' group, which is selected. The 'Permissions boundary' section is also visible. The 'Next' button is highlighted in orange.



## PASO 8: CREACIÓN DE UN USUARIO PARA EL GRUPO "BIGDATA-READ"

