

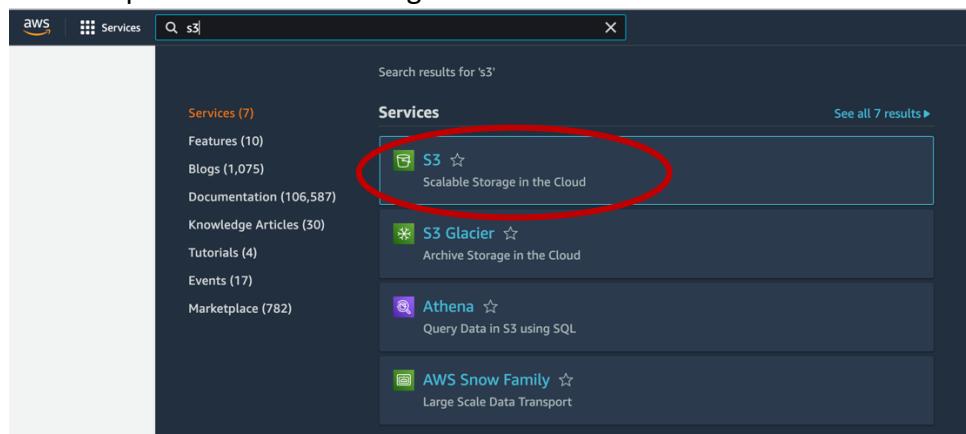
8 – Criar um Bucket e Adicionar um Arquivo no S3

Os objetivos dessa prática são:

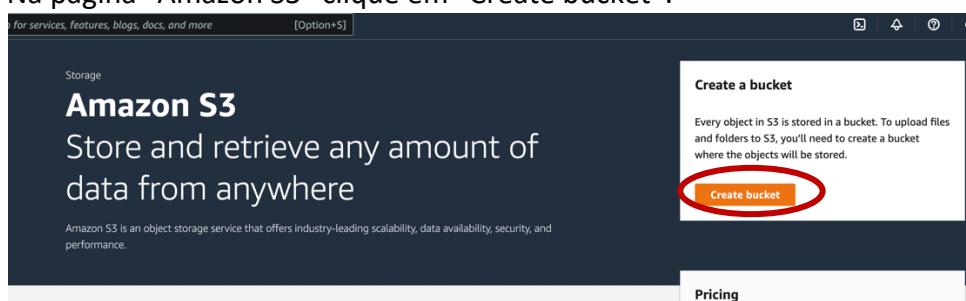
- Fazer você se familiarizar com a interface do Console do S3;
- Criar um bucket;
- Fazer o upload de um arquivo;
- Acessar o arquivo por um browser.

Passo a Passo

- 1) Acesse a console de gerenciamento da AWS e no campo de pesquisa, digite “S3” e clique “S3 Scalable Storage in the Cloud”:



- 2) Na página “Amazon S3” clique em “Create bucket”:



- 3) Na página “Create Bucket” preencha o campo “Bucket name” com o nome do seu bucket. Lembre-se que o nome do bucket é universal, então não é possível criar um bucket cujo nome já existe. Então seja criativo:

Create bucket Info

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

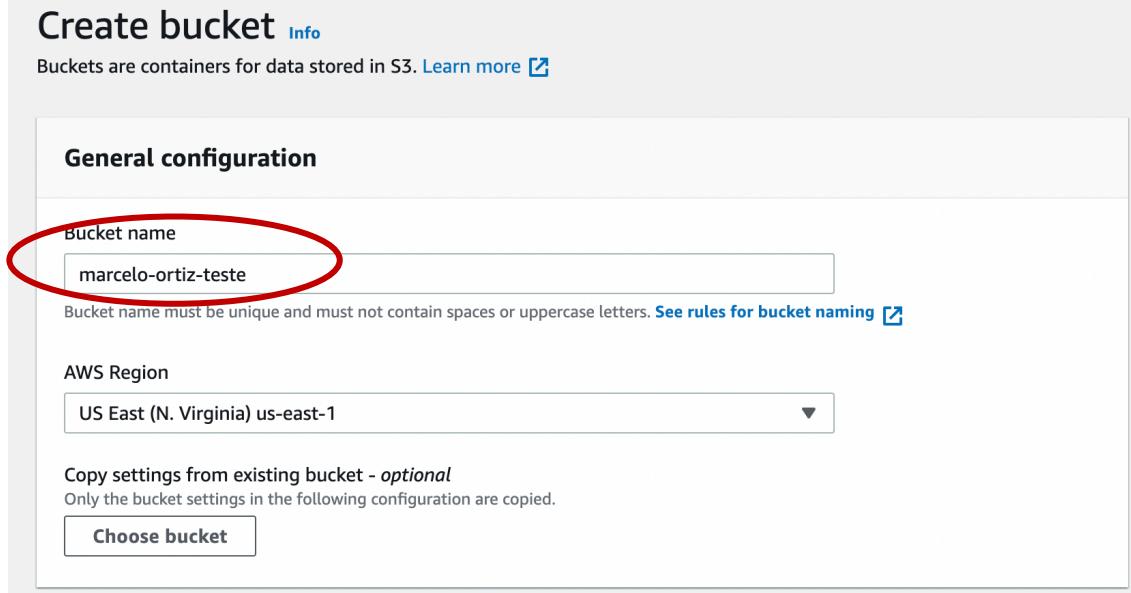
Bucket name

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)



- 4) Analise as demais opções dessa página (para essa prática não precisa alterar nenhuma das opções) e clique em “Create bucket”:

▼ Advanced settings

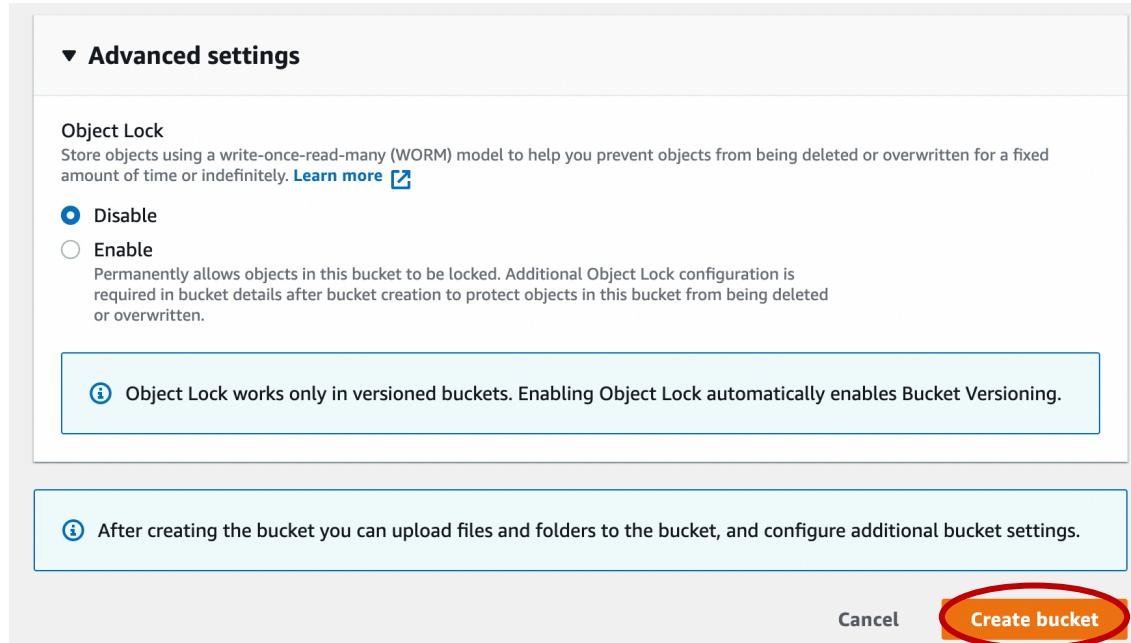
Object Lock
Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. [Learn more](#)

Disable
 Enable
Permanently allows objects in this bucket to be locked. Additional Object Lock configuration is required in bucket details after bucket creation to protect objects in this bucket from being deleted or overwritten.

ⓘ Object Lock works only in versioned buckets. Enabling Object Lock automatically enables Bucket Versioning.

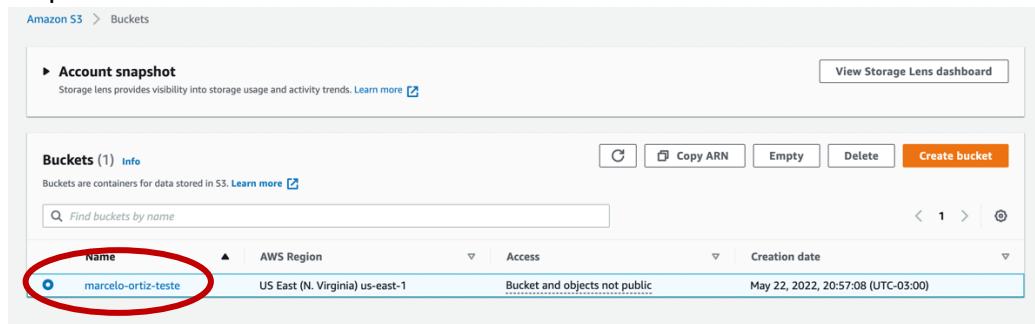
ⓘ After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.

[Cancel](#) Create bucket



- 5) Pronto, seu bucket foi criado. Agora vamos fazer o upload de algum arquivo.

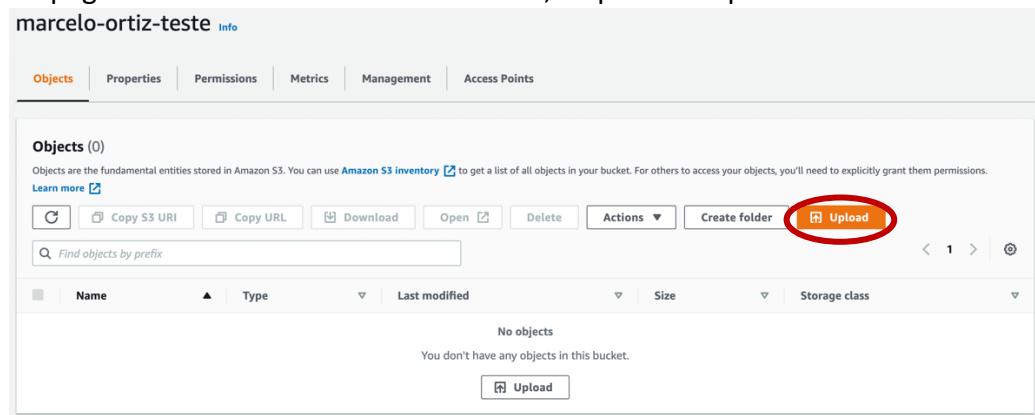
- 6) Clique no nome do seu bucket:



The screenshot shows the 'Buckets' section of the Amazon S3 console. There is one bucket listed:

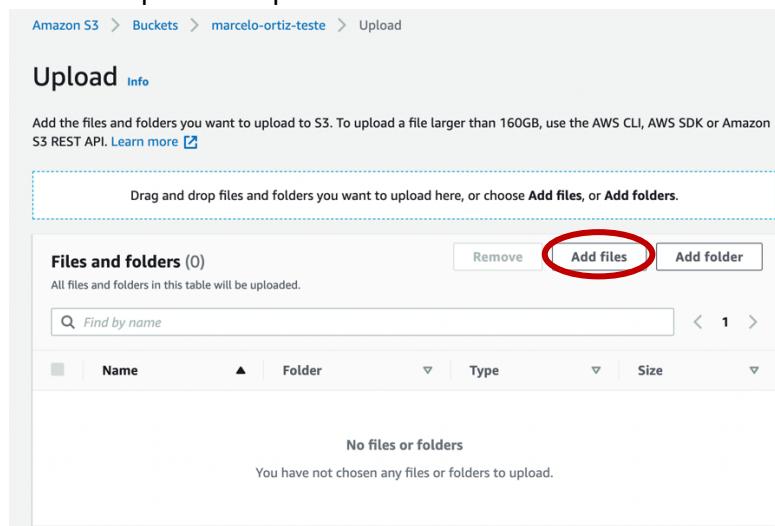
Name	AWS Region	Access	Creation date
marcelo-ortiz-teste	US East (N. Virginia) us-east-1	Bucket and objects not public	May 22, 2022, 20:57:08 (UTC-03:00)

- 7) Na página com os detalhes do seu bucket, clique em “Upload”:



The screenshot shows the 'Objects' tab of the bucket details page. At the top, there is a navigation bar with tabs: Objects, Properties, Permissions, Metrics, Management, and Access Points. The 'Actions' dropdown menu has an 'Upload' option, which is highlighted with a red circle.

- 8) Na tela “Upload” clique em “Add files”:



The screenshot shows the 'Upload' screen. It features a large text input field with the placeholder 'Drag and drop files and folders you want to upload here, or choose Add files, or Add folders.' Below this is a table titled 'Files and folders (0)' with a single row: 'All files and folders in this table will be uploaded.' The 'Add files' button in the top right of the table area is highlighted with a red circle.

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- 9) E escolha o arquivo que você quer armazenar no seu bucket. Eu vou escolher uma foto (jpg). Assim que o arquivo carregar clique em “Upload”:

The screenshot shows the AWS S3 console interface. At the top, there's a header with 'Files and folders (1 Total, 4.3 MB)' and buttons for 'Remove', 'Add files', and 'Add folder'. Below this is a search bar labeled 'Find by name'. A table lists the uploaded file: 'foto_gramado.jpg' (image/jpeg, 4.3 MB). The table has columns for Name, Folder, Type, and Size. Below the table is a section titled 'Destination' with a dropdown set to 's3://marcelo-ortiz-teste'. Under 'Destination details', it says 'Bucket settings that impact new objects stored in the specified destination.' Further down are sections for 'Permissions' and 'Properties'. At the bottom right of the main area are 'Cancel' and 'Upload' buttons, with 'Upload' being highlighted with a red oval.

- 10) Assim que o arquivo for totalmente carregado no seu bucket, o status vai alterar para “Succeeded”:

The screenshot shows the AWS S3 console after the file has been uploaded. The top part is a summary table with columns for Destination, Success (1 file, 4.3 MB (100.00%)), and Failed (0 files, 0 B (0%)). Below this is a 'Files and folders' table with one item: 'foto_gramado.jpg' (image/jpeg, 4.3 MB, Status: Succeeded). The 'Status' column is circled in red.

- 11) Para testar o acesso ao seu arquivo, clique sobre o nome dele:

The screenshot shows the AWS S3 console again. The summary table shows the same upload details. The 'Files and folders' table shows the uploaded file 'foto_gramado.jpg' (image/jpeg, 4.3 MB, Status: Succeeded). The file name 'foto_gramado.jpg' is circled in red.

12) Ao clicar no nome do arquivo, vai abrir a página com os detalhes do arquivo.

Vamos testar o acesso ao seu arquivo de duas maneiras, a primeira é clicando no botão “Open”, então clique no botão “Open”:

The screenshot shows the AWS S3 Object Details page for the file 'foto_gramado.jpg'. The top navigation bar shows 'Amazon S3 > Buckets > marcelo-ortiz-teste > foto_gramado.jpg'. Below the navigation is a toolbar with 'Copy S3 URI', 'Download', 'Open' (which is circled in red), and 'Object actions'. The main content area is titled 'Object overview' and contains two columns of metadata. The left column includes fields like Owner (mclsylva), AWS Region (US East (N. Virginia) us-east-1), Last modified (May 22, 2022, 21:27:31 (UTC-03:00)), Size (4.3 MB), Type (jpg), and Key (foto_gramado.jpg). The right column includes fields like S3 URI (s3://marcelo-ortiz-teste/foto_gramado.jpg), Amazon Resource Name (ARN) (arn:aws:s3:::marcelo-ortiz-teste/foto_gramado.jpg), Entity tag (Etag) (0c411350ef284a1f1a72ee8879802b4b), and Object URL (https://marcelo-ortiz-teste.s3.amazonaws.com/foto_gramado.jpg).

13) A segunda forma é acessando a “URL” do seu arquivo, então copie a URL e cole em uma nova aba do seu navegador:

This screenshot is identical to the previous one, showing the AWS S3 Object Details page for 'foto_gramado.jpg'. The 'Object URL' field in the right column is highlighted with a red circle. The URL is https://marcelo-ortiz-teste.s3.amazonaws.com/foto_gramado.jpg.

14) Ao tentar acessar a URL do seu arquivo, vai aparecer uma mensagem de acesso negado:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>5WRNZWDDV9GPVGF9</RequestId>
  <HostId>zXEd718RjXVGK574AD25pd+TTlA1U0u4hNKidsaGu0w074/rnGSe79rHhjzFWUD3Dp+vPlDc3es=</HostId>
</Error>
```

- 15) Para liberar o acesso público para esse arquivo, volte para a página onde lista todos os seus buckets, clicando em “Buckets”:

The screenshot shows the AWS S3 console. In the top navigation bar, 'Amazon S3' is selected. Below it, the breadcrumb path is 'Amazon S3 > Buckets > marcelo-ortiz-teste > foto_gramado.jpg'. The main content area displays the file 'foto_gramado.jpg' with its properties: Owner is 'mclsylva'. On the left sidebar, under 'Amazon S3', the 'Buckets' link is highlighted with a red circle. Other options include 'Access Points', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', 'Access analyzer for S3', and 'Block Public Access settings for this account'.

- 16) Clique novamente no nome do seu bucket:

The screenshot shows the 'Buckets' page in the AWS S3 console. It lists one bucket: 'marcelo-ortiz-teste'. The bucket details are as follows: Name: marcelo-ortiz-teste, AWS Region: US East (N. Virginia) us-east-1, Access: Bucket and objects not public, Creation date: May 22, 2022, 20:57:08 (UTC-03:00). A red circle highlights the 'marcelo-ortiz-teste' entry in the list.

- 17) Na página com os detalhes do seu bucket, clique em “Permissions” e, na seção “Block public access (bucket settings)” clique em “Edit”:

The screenshot shows the 'Permissions' tab for the 'marcelo-ortiz-teste' bucket. Under the 'Permissions overview' section, there is a note about public access being granted through ACLs, policies, and access points. The 'Block public access (bucket settings)' section contains a note about turning on 'Block all public access' for the bucket. A red circle highlights the 'Edit' button in this section.

- 18) Na página “Block public access (bucket settings)” desmarque a opção “Block all public access” e clique em “Save changes”:

The screenshot shows the 'Edit Block public access (bucket settings)' interface. At the top, there's a heading and a paragraph about public access. Below that, a section titled 'Block all public access' contains a checkbox that is currently checked (indicated by a red circle). To the right of the checkbox, there's a descriptive text. Underneath this section are four other checkbox options, each with its own description. At the bottom right of the page, there are 'Cancel' and 'Save changes' buttons, with the 'Save changes' button also circled in red.

- 19) Digite “confirm” na tela “Edit Block public access (bucket settings) e clique em “Confirm”:

This screenshot shows a confirmation dialog box. It contains a warning message about updating block public access settings. Below the message, there's a text field labeled 'To confirm the settings, enter *confirm* in the field.' with the word 'confirm' typed into it. At the bottom, there are 'Cancel' and 'Confirm' buttons, with the 'Confirm' button circled in red.

20) Agora precisamos voltar a página com os detalhes do nosso arquivo, clique em “bucket” e clique no bucket onde está seu arquivo:

The screenshot shows the AWS S3 service dashboard. In the left sidebar, under 'Amazon S3', the 'Buckets' link is highlighted with a red circle. The main content area displays an 'Account snapshot' and a table titled 'Buckets (1)'. The single bucket listed is 'marcelo-ortiz-teste', which is also circled in red.

21) Na página com os detalhes do seu arquivo, clique em “Permissions”:

The screenshot shows the 'marcelo-ortiz-teste' bucket details page. The top navigation bar has tabs for 'Objects', 'Properties', 'Permissions' (which is circled in red), 'Metrics', 'Management', and 'Access Points'. Below the tabs, there's a section for 'Objects (1)' containing a table with one item: 'foto_gramado.jpg'. At the bottom, there's a toolbar with actions like Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload.

22) Na aba “Permissions” procure pela seção “Access control list (ACL) e clique em “bucket owner enforced”:

The screenshot shows the 'Access control list (ACL)' page for the 'marcelo-ortiz-teste' bucket. At the top, there's a note: 'This bucket has the bucket owner enforced setting applied for Object Ownership'. Below this, there's a table with columns 'Grantee', 'Objects', and 'Bucket ACL'. The table lists several entries, including 'Bucket owner (your AWS account)', 'Everyone (public access)', and 'Authenticated users group (anyone with an AWS account)'. The 'Bucket owner enforced' setting is highlighted with a red circle in the tooltip message.

23) Na tela “Edit Object Ownership” clique em “ACL enabled”, depois clique em “acknowledge that ACLs will be restored” e em “Save changes”:

Object Ownership

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

CLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

⚠️ Enabling ACLs turns off the bucket owner enforced setting for Object Ownership
Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.

acknowledge that ACLs will be restored.

Object Ownership

Bucket owner preferred
If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.

Object writer
The object writer remains the object owner.

ⓘ If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. [Learn more](#)

Cancel **Save changes**

24) Volte novamente para a seção “Access control list (ACL) e clique em “Edit”:

Access control list (ACL)

Grant basic read/write permissions to other AWS accounts. [Learn more](#)

**ⓘ The console displays combined access grants for duplicate grantees
To see the full list of ACLs, use the Amazon S3 REST API, AWS CLI, or AWS SDKs.**

Grantee	Objects	Bucket ACL
Bucket owner (your AWS account) Canonical ID: 9471fc60ba7630478bd9674cf0adc72e868611811f2c03ebf0330922ecde32d7	List, Write	Read, Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	-	-
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	-	-
S3 log delivery group Group: http://acs.amazonaws.com/groups/s3/LogDelivery	-	-

- 25) Em “Everyone (public access)” marque as opções “List” e “Read”, marque a opção “I understand the effects of these changes on my objects and buckets” e clique em “Save changes”:

Grantee	Objects	Bucket ACL
Bucket owner (your AWS account)	<input checked="" type="checkbox"/> List <input checked="" type="checkbox"/> Write	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Canonical ID: 9471fc68ba7630478bd9674cf0adc72e868611811f2c03ebf0330922ecde32d7		
Everyone (public access)	<input checked="" type="checkbox"/> List <input type="checkbox"/> Write	<input checked="" type="checkbox"/> Read <input type="checkbox"/> Write
Authenticated users group (anyone with an AWS account)	<input type="checkbox"/> List <input type="checkbox"/> Write	<input type="checkbox"/> Read <input type="checkbox"/> Write
S3 log delivery group	<input type="checkbox"/> List <input type="checkbox"/> Write	<input type="checkbox"/> Read <input type="checkbox"/> Write

⚠️ When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access the objects in this bucket.

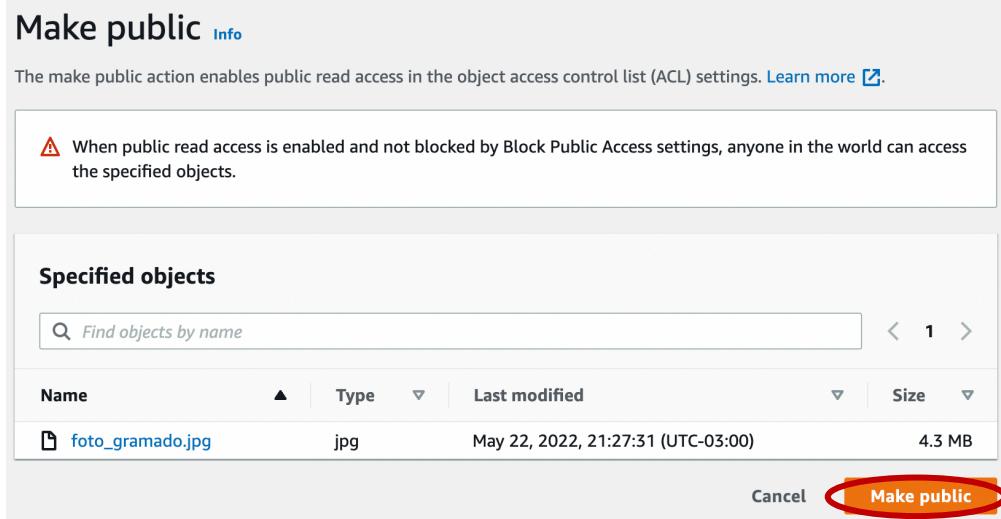
[Learn more](#)

I understand the effects of these changes on my objects and buckets.

- 26) Agora clique em “Objects”, selecione seu arquivo e clique em “Actions” e clique na opção “Make Public using ACL”:

The screenshot shows the AWS S3 console with the 'Objects' tab selected. A single object, 'foto_gramado.jpg', is selected. In the Actions dropdown menu, the 'Make public using ACL' option is circled in red.

27) Na página “Make public” clique no botão “Make public”:



28) Ufa! Agora teste o acesso ao seu objeto pela URL.