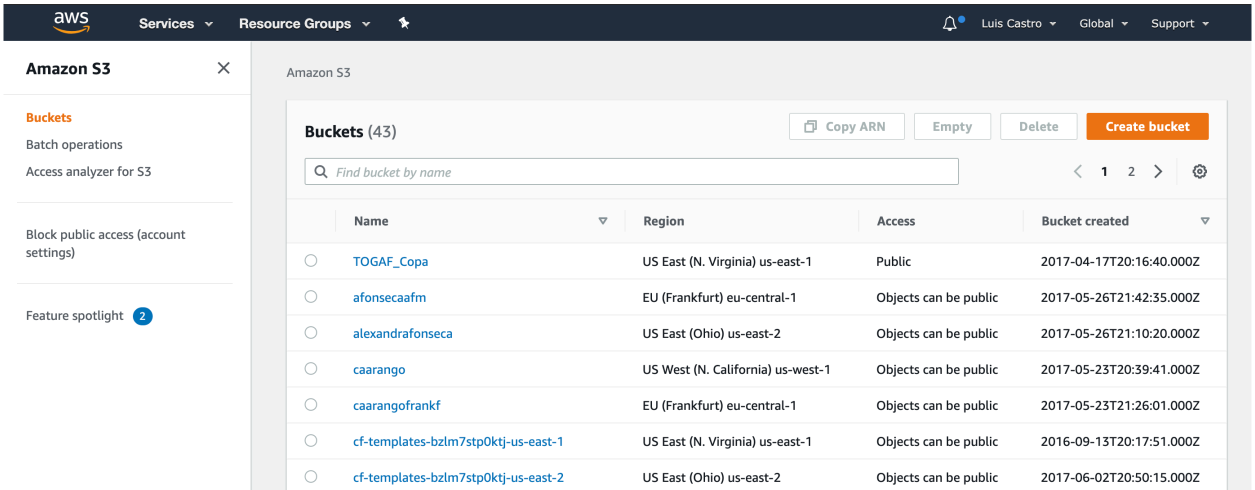
Step 1

Access the AWS console through the following link:

https://450006219561.signin.aws.amazon.com/console

Step 2

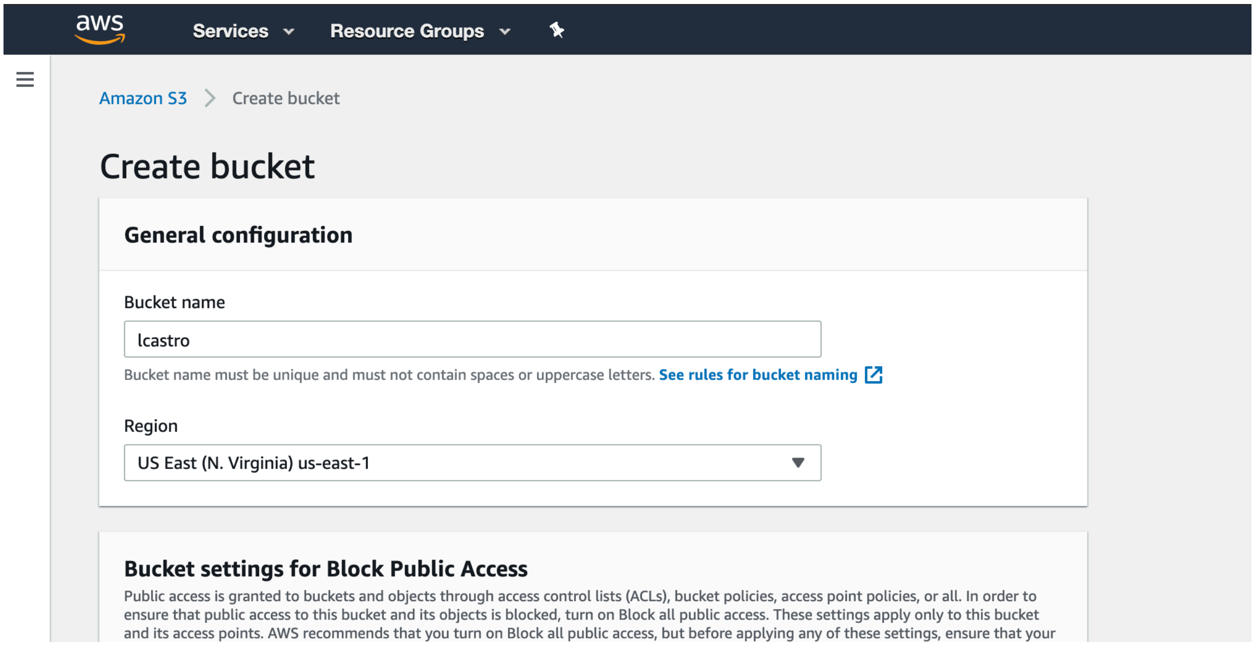
Access the S3 service



	Name	Region	Access	Bucket created
○	TOGAF_Copa	US East (N. Virginia) us-east-1	Public	2017-04-17T20:16:40.000Z
○	afonsecaafm	EU (Frankfurt) eu-central-1	Objects can be public	2017-05-26T21:42:35.000Z
○	alexandrafonseca	US East (Ohio) us-east-2	Objects can be public	2017-05-26T21:10:20.000Z
○	caarango	US West (N. California) us-west-1	Objects can be public	2017-05-23T20:39:41.000Z
○	caarangofrankf	EU (Frankfurt) eu-central-1	Objects can be public	2017-05-23T21:26:01.000Z
○	cf-templates-bzlm7stp0ktj-us-east-1	US East (N. Virginia) us-east-1	Objects can be public	2016-09-13T20:17:51.000Z
○	cf-templates-bzlm7stp0ktj-us-east-2	US East (Ohio) us-east-2	Objects can be public	2017-06-02T20:50:15.000Z

Step 3

Create a new Bucket with the username in Create Bucket, select the corresponding region and click Create Bucket



Create bucket

General configuration

Bucket name

lcastro

Bucket name must be unique and must not contain spaces or uppercase letters. See rules for bucket naming

Region

US East (N. Virginia) us-east-1

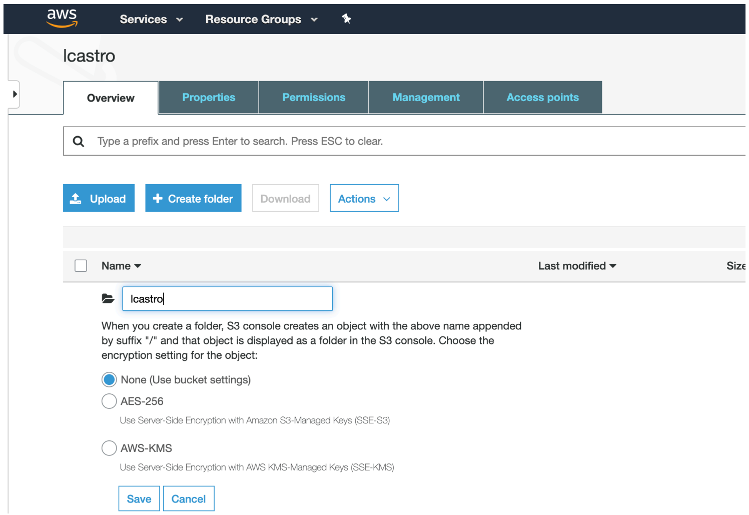
Bucket settings for Block Public Access

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your

Step 4

Inside the created Bucket create a new folder with the same username in Create Folder and upload the file sent via email / share:

palo-alto-networks-product-summary-specsheet



lcastro

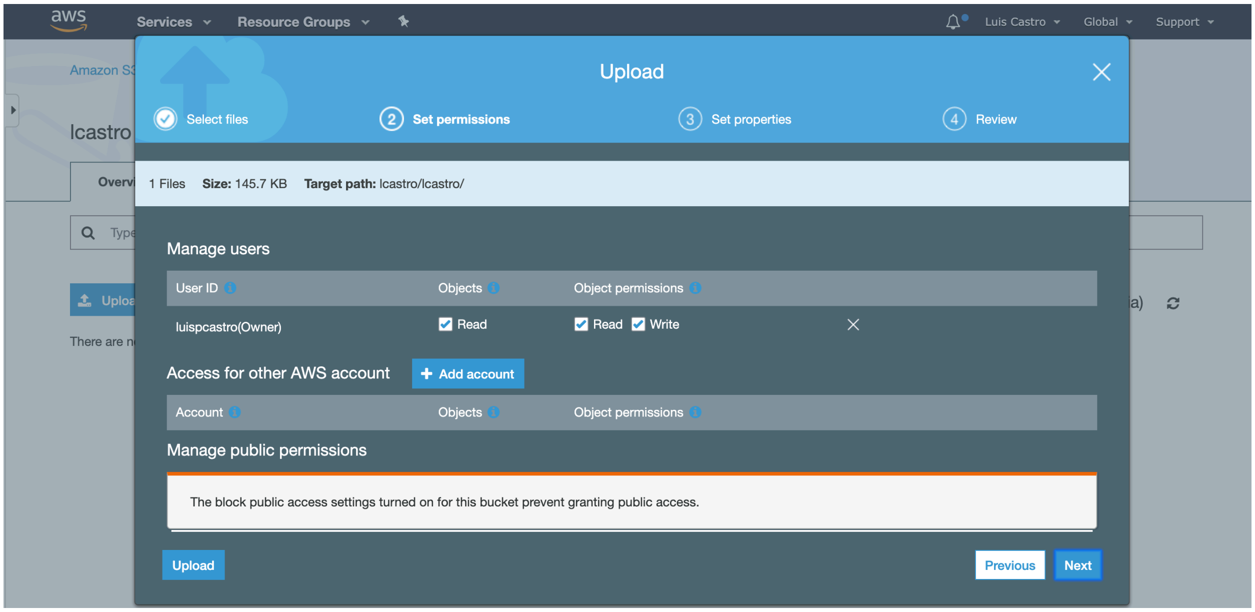
When you create a folder, S3 console creates an object with the above name appended by suffix "/" and that object is displayed as a folder in the S3 console. Choose the encryption setting for the object:

● None (Use bucket settings)

○ AES-256
Use Server-Side Encryption with Amazon S3-Managed Keys (SSE-S3)

○ AWS-KMS
Use Server-Side Encryption with AWS KMS-Managed Keys (SSE-KMS)

Click Upload and accept the values by Default



1 Files **Size:** 145.7 KB **Target path:** lcastro/lcastro/

Manage users

User ID	Objects	Object permissions
luispcastro(Owner)	☑ Read	☑ Read ☑ Write

Access for other AWS account

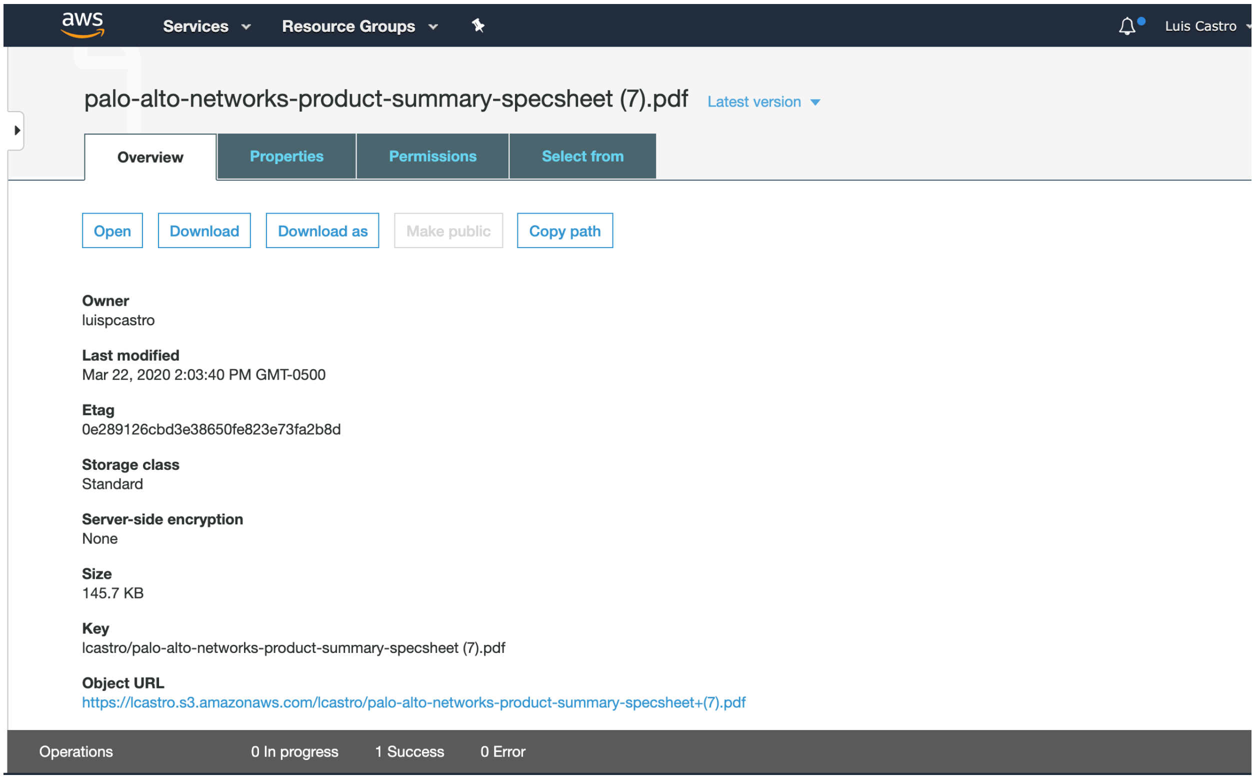
Account	Objects	Object permissions

Manage public permissions

The block public access settings turned on for this bucket prevent granting public access.

Step 5

Check within the properties of the loaded file the link of the file and click to open the link



Owner
luispcastro

Last modified
Mar 22, 2020 2:03:40 PM GMT-0500

Etag
0e289126cbd3e38650fe823e73fa2b8d

Storage class
Standard

Server-side encryption
None

Size
145.7 KB

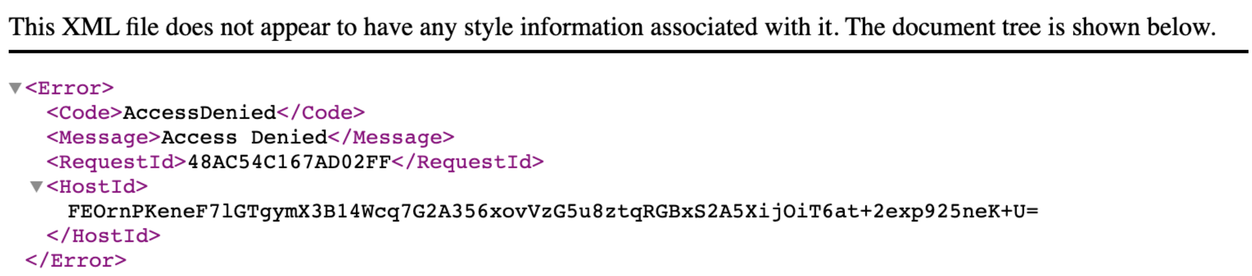
Key
lcastro/palo-alto-networks-product-summary-specsheet (7).pdf

Object URL
https://lcastro.s3.amazonaws.com/lcastro/palo-alto-networks-product-summary-specsheet+(7).pdf

Operations 0 In progress 1 Success 0 Error

Step 6

Click on the Object URL and validate the result

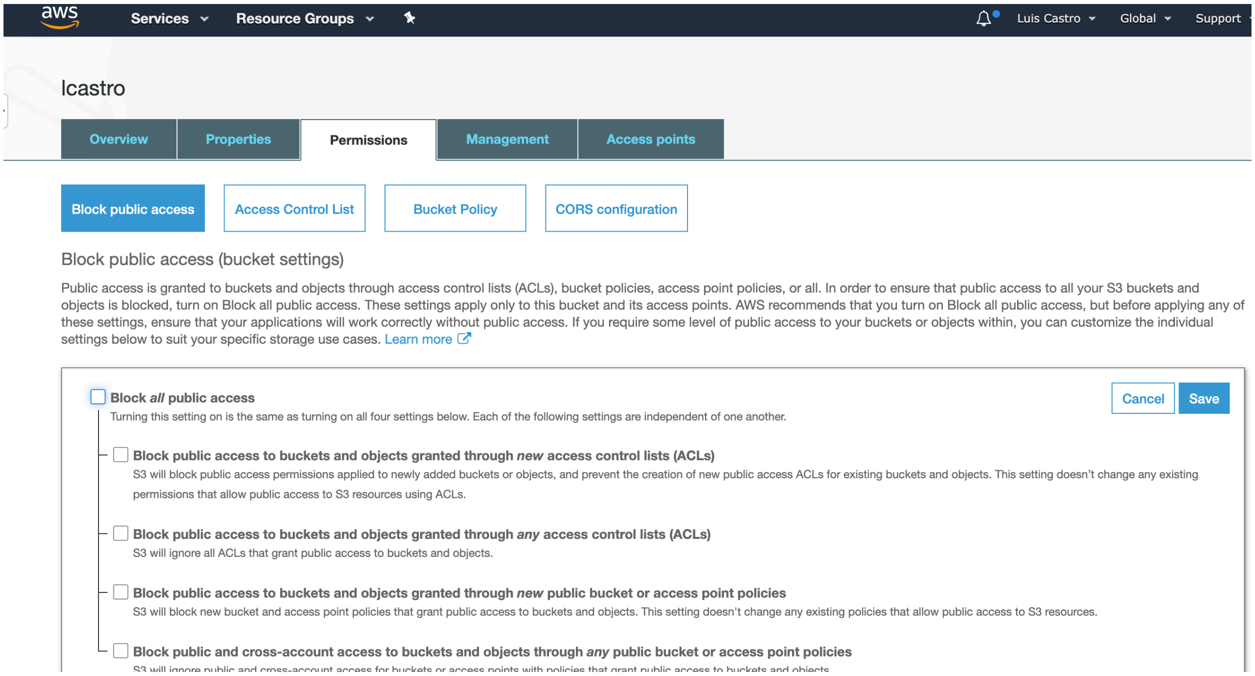


This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<Error>
   <Code>AccessDenied</Code>
   <Message>Access Denied</Message>
   <RequestId>48AC54C167AD02FF</RequestId>
  ▼<HostId>
     FEOrnPKeneF7lGTgymX3B14Wcq7G2A356xovVzG5u8ztqRGBxS2A5XijOiT6at+2exp925neK+U=
   </HostId>
 </Error>
```

Step 7

Give Public access to the Bucket, for this you must go directly to the Bucket, then click Permissions and click Edit on Block Public Access and deselect Block All public access, and click Save

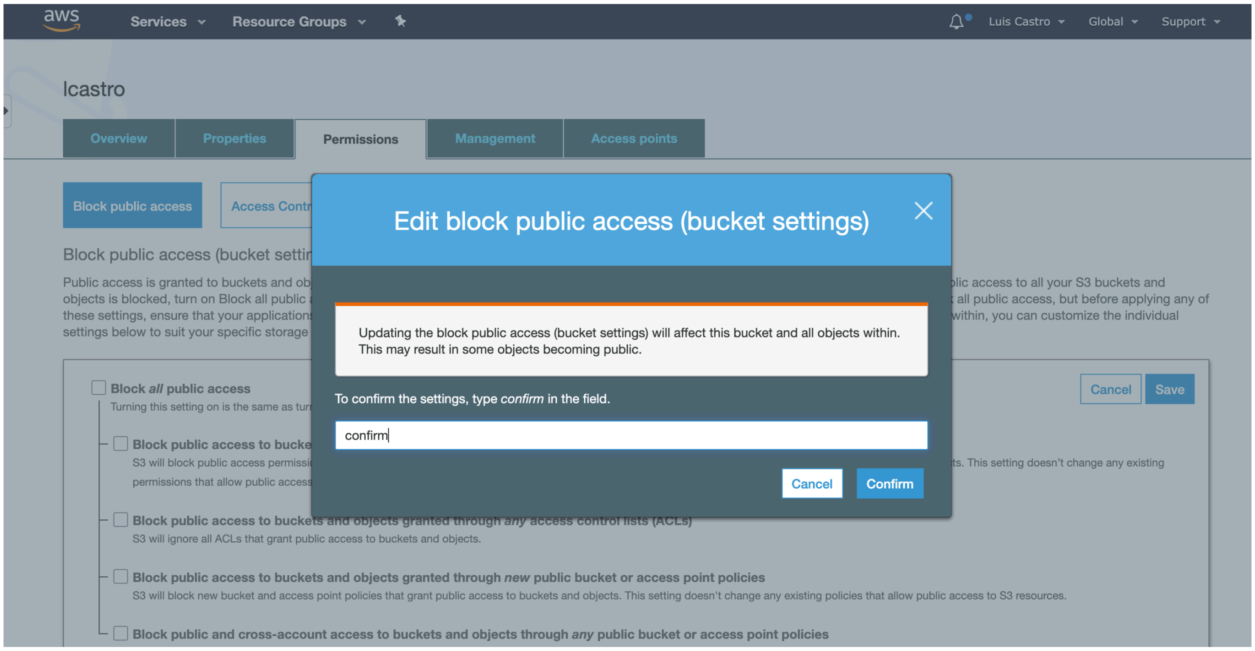


Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more

□ **Block *all* public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- □ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**
  S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- □ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**
  S3 will ignore all ACLs that grant public access to buckets and objects.
- □ **Block public access to buckets and objects granted through *new* public bucket or access point policies**
  S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- □ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**
  S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.



Edit block public access (bucket settings)

Updating the block public access (bucket settings) will affect this bucket and all objects within. This may result in some objects becoming public.

To confirm the settings, type *confirm* in the field.

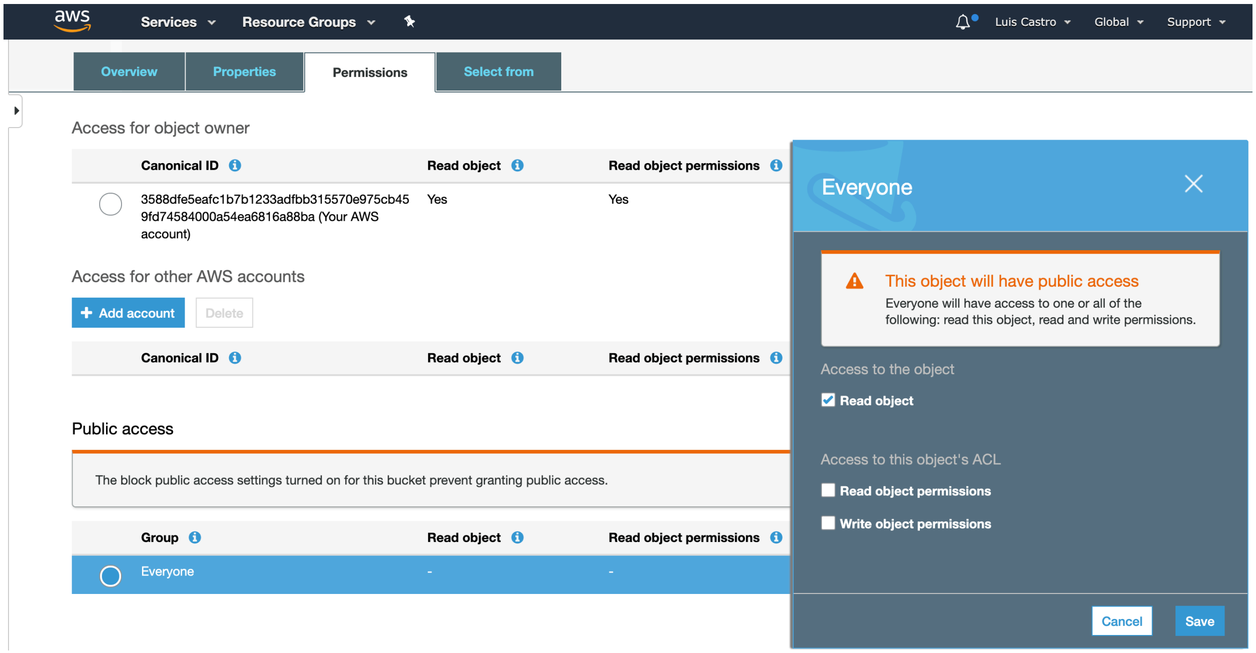
confirm

Cancel
Confirm

Write confirm for the changes to take effect

Step 8

Go to the created folder and click on Permissions and choose Public Access> Everyone> Access to the Object> Read Object and validate again the access to the link



Access for object owner

	Canonical ID	Read object	Read object permissions
○	3588dfe5eafc1b7b1233adfbb315570e975cb459fd74584000a54ea6816a88ba (Your AWS account)	Yes	Yes

Access for other AWS accounts

Canonical ID	Read object	Read object permissions

Public access

The block public access settings turned on for this bucket prevent granting public access.

	Group	Read object	Read object permissions
○	Everyone	-	-

Everyone

This object will have public access
Everyone will have access to one or all of the following: read this object, read and write permissions.

Access to the object

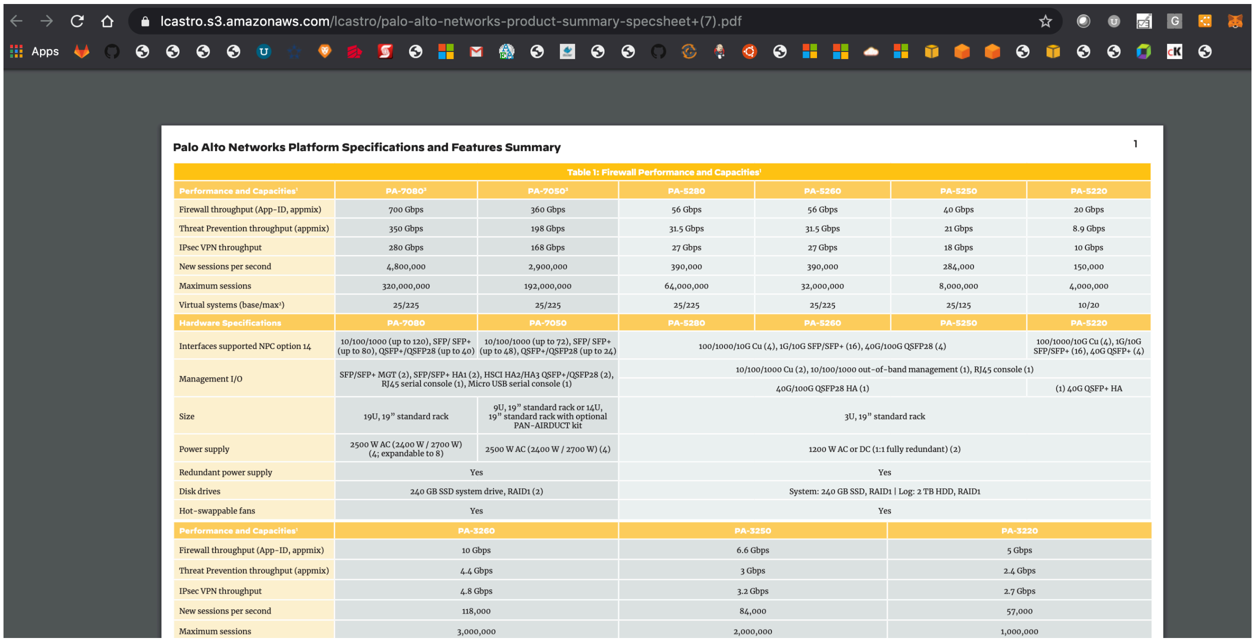
☑ Read object

Access to this object's ACL

☐ Read object permissions

☐ Write object permissions

Validate the URL: **<bucket-name>.S3.amazonaws.com/<folder-name>/File Name**


lcastro.s3.amazonaws.com/lcastro/palo-alto-networks-product-summary-specsheet+(7).pdf

Palo Alto Networks Platform Specifications and Features Summary 1

Table 1: Firewall Performance and Capacities[1]

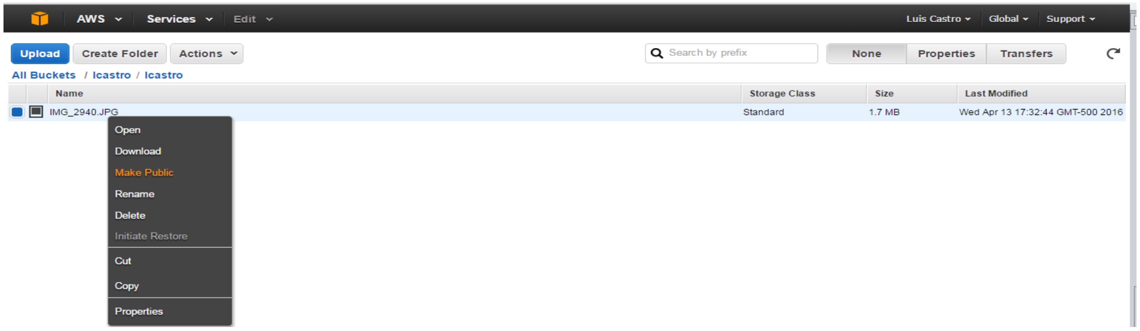
Performance and Capacities[1]	PA-7080[3]	PA-7050[3]	PA-5280	PA-5260	PA-5250	PA-5220
Firewall throughput (App-ID, appmix)	700 Gbps	360 Gbps	56 Gbps	56 Gbps	40 Gbps	20 Gbps
Threat Prevention throughput (appmix)	350 Gbps	198 Gbps	31.5 Gbps	31.5 Gbps	21 Gbps	8.9 Gbps
IPsec VPN throughput	280 Gbps	168 Gbps	27 Gbps	27 Gbps	18 Gbps	10 Gbps
New sessions per second	4,800,000	2,900,000	390,000	390,000	284,000	150,000
Maximum sessions	320,000,000	192,000,000	64,000,000	32,000,000	8,000,000	4,000,000
Virtual systems (base/max[2])	25/225	25/225	25/225	25/225	25/125	10/20
Hardware Specifications	**PA-7080**	**PA-7050**	**PA-5280**	**PA-5260**	**PA-5250**	**PA-5220**
Interfaces supported NPC option 14	10/100/1000 (up to 120), SFP/ SFP+ (up to 80), QSFP+/QSFP28 (up to 40)	10/100/1000 (up to 72), SFP/ SFP+ (up to 48), QSFP+/QSFP28 (up to 24)	100/1000/10G Cu (4), 1G/10G SFP/SFP+ (16), 40G/100G QSFP28 (4)			100/1000/10G Cu (4), 1G/10G SFP/SFP+ (16), 40G QSFP+ (4)
Management I/O	SFP/SFP+ MGT (2), SFP/SFP+ HA1 (2), HSCI HA2/HA3 QSFP+/QSFP28 (2), RJ45 serial console (1), Micro USB serial console (1)		10/100/1000 Cu (2), 10/100/1000 out-of-band management (1), RJ45 console (1)			
			40G/100G QSFP28 HA (1)			(1) 40G QSFP+ HA
Size	19U, 19” standard rack	9U, 19” standard rack or 14U, 19” standard rack with optional PAN-AIRDUCT kit	3U, 19” standard rack			
Power supply	2500 W AC (2400 W / 2700 W) (4; expandable to 8)	2500 W AC (2400 W / 2700 W) (4)	1200 W AC or DC (1:1 fully redundant) (2)			
Redundant power supply	Yes		Yes			
Disk drives	240 GB SSD system drive, RAID1 (2)		System: 240 GB SSD, RAID1 | Log: 2 TB HDD, RAID1			
Hot-swappable fans	Yes		Yes			

Performance and Capacities[1]	PA-3260	PA-3250	PA-3220
Firewall throughput (App-ID, appmix)	10 Gbps	6.6 Gbps	5 Gbps
Threat Prevention throughput (appmix)	4.4 Gbps	3 Gbps	2.4 Gbps
IPsec VPN throughput	4.8 Gbps	3.2 Gbps	2.7 Gbps
New sessions per second	118,000	84,000	57,000
Maximum sessions	3,000,000	2,000,000	1,000,000

Step 11

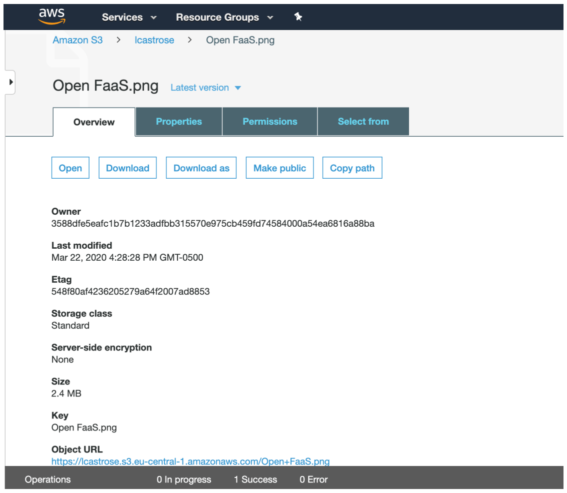
Access the CloudFront service

Create a new Bucket in the Frankfurt region with the username followed by the name of the region (all pasted and in lowercase) and upload the photo sent by mail, modify the permissions, make it Public and enter the image link and copy the link



All Buckets / lcastro / lcastro

Name	Storage Class	Size	Last Modified
IMG_2940.JPG	Standard	1.7 MB	Wed Apr 13 17:32:44 GMT-500 2016



Open FaaS.png

Owner
3588dfe5eafc1b7b1233adfbb315570e975cb459fd74584000a54ea6816a88ba

Last modified
Mar 22, 2020 4:28:28 PM GMT-0500

Etag
548f80af4236205279a64f2007ad8853

Storage class
Standard

Server-side encryption
None

Size
2.4 MB

Key
Open FaaS.png

Object URL
https://lcastrose.s3.eu-central-1.amazonaws.com/Open+FaaS.png

Operations 0 In progress 1 Success 0 Error

Example:

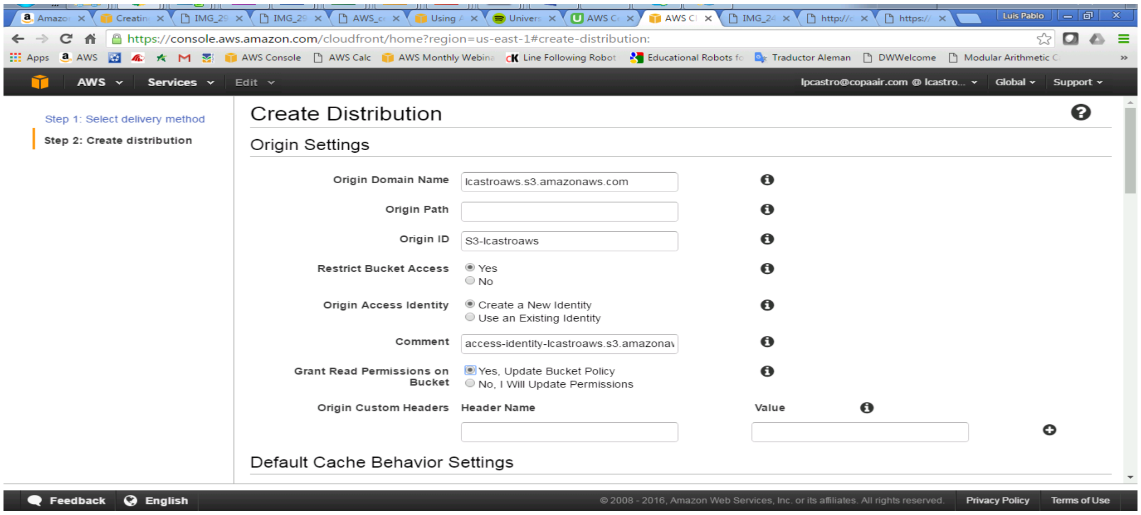
https://lcastrose.s3.eu-central-1.amazonaws.com/Open+FaaS.png

Step 12

Enter CloudFront and click Create Distribution, choose Web Content.

As Origin Domain Name look for the Bucket name you created earlier

Choose Restrict Bucket Access option, Create New Identity and Yes, Update Bucket Policy, leave all other parameters as default


https://console.aws.amazon.com/cloudfront/home?region=us-east-1#create-distribution:

AWS
Services
Edit
lpcastro@copaair.com @ lcastro...
Global
Support
Step 1: Select delivery method
Step 2: Create distribution

Create Distribution

Origin Settings

Origin Domain Name	lcastroaws.s3.amazonaws.com
Origin Path	
Origin ID	S3-lcastroaws
Restrict Bucket Access	● Yes ○ No
Origin Access Identity	● Create a New Identity ○ Use an Existing Identity
Comment	access-identity-lcastroaws.s3.amazonav
Grant Read Permissions on Bucket	● Yes, Update Bucket Policy ○ No, I Will Update Permissions
Origin Custom Headers	Header Name / Value

Default Cache Behavior Settings

Feedback
English
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Privacy Policy
Terms of Use

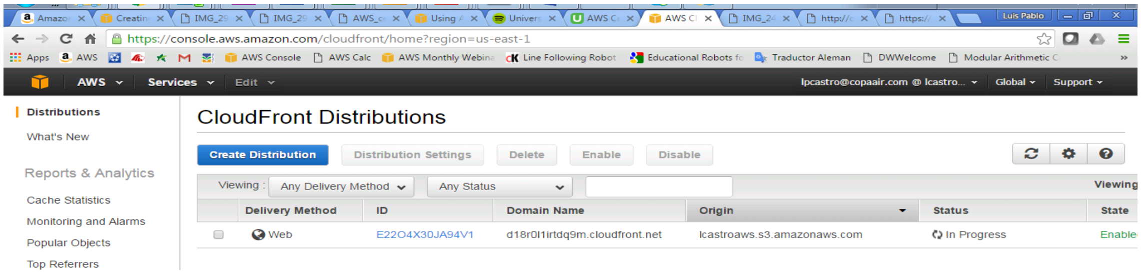
Step 13

The distribution creation process can take approximately 15 minutes

Once created use the assigned domain name: d18r0l1irtdq9m.cloudfront.net

Replace it in the URL as follows and open the page again

[https:// d18r0l1irtdq9m.cloudfront.net/ Open+FaaS.png](https://d18r0l1irtdq9m.cloudfront.net/Open+FaaS.png)


https://console.aws.amazon.com/cloudfront/home?region=us-east-1

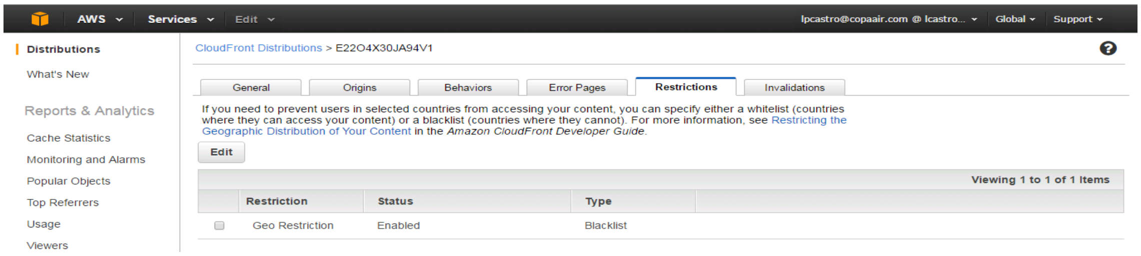
CloudFront Distributions

Viewing : Any Delivery Method | Any Status

	Delivery Method	ID	Domain Name	Origin	Status	State
□	Web	E22O4X30JA94V1	d18r0l1irtdq9m.cloudfront.net	lcastroaws.s3.amazonaws.com	In Progress	Enable

Step 14

Modify the distribution to restrict access by Geo-Location and activate the Restriction Type - Blacklist and add your Country (Ex: Colombia) and check Yes, Edit

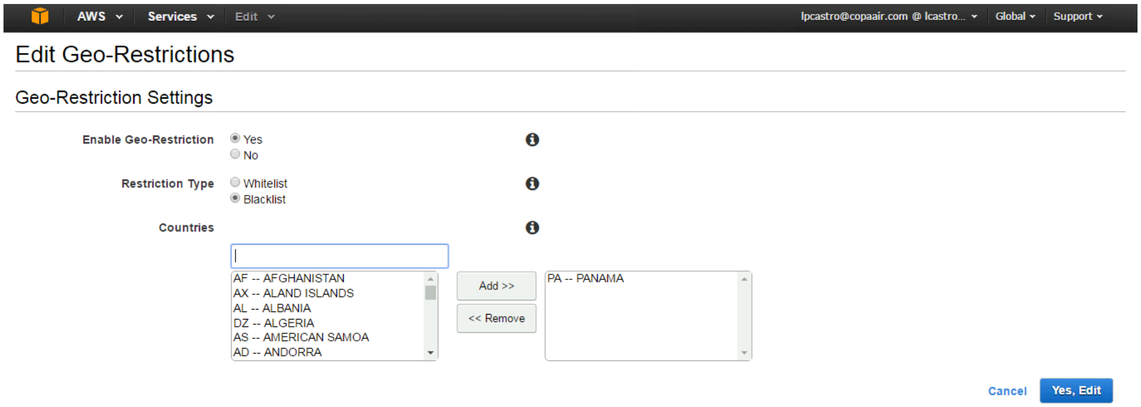


CloudFront Distributions > E22O4X30JA94V1

If you need to prevent users in selected countries from accessing your content, you can specify either a whitelist (countries where they can access your content) or a blacklist (countries where they cannot). For more information, see Restricting the Geographic Distribution of Your Content in the *Amazon CloudFront Developer Guide*.

Viewing 1 to 1 of 1 Items

	Restriction	Status	Type
□	Geo Restriction	Enabled	Blacklist



Edit Geo-Restrictions

Geo-Restriction Settings

Enable Geo-Restriction ● Yes ○ No

Restriction Type ○ Whitelist ● Blacklist

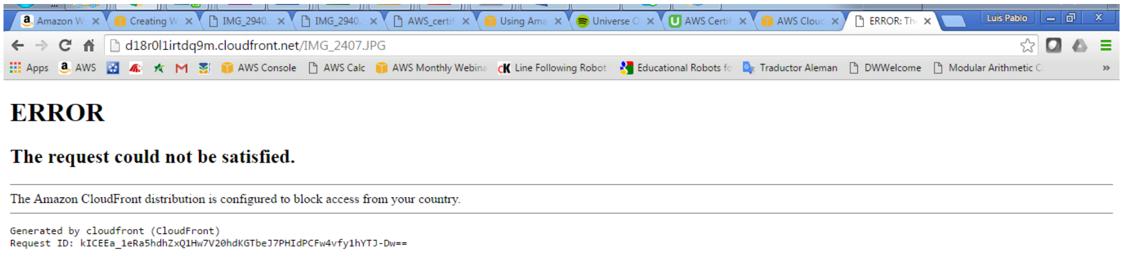
Countries

AF -- AFGHANISTAN
AX -- ALAND ISLANDS
AL -- ALBANIA
DZ -- ALGERIA
AS -- AMERICAN SAMOA
AD -- ANDORRA

PA -- PANAMA

Step 15

Validate after distribution is complete that access is restricted



ERROR

The request could not be satisfied.

The Amazon CloudFront distribution is configured to block access from your country.

```
Generated by cloudfront (CloudFront)
Request ID: kICEEa_1eRa5hdhZxQ1Hw7V20hdKGTbeJ7PHIdPCFw4vfy1hYTJ-Dw==
```