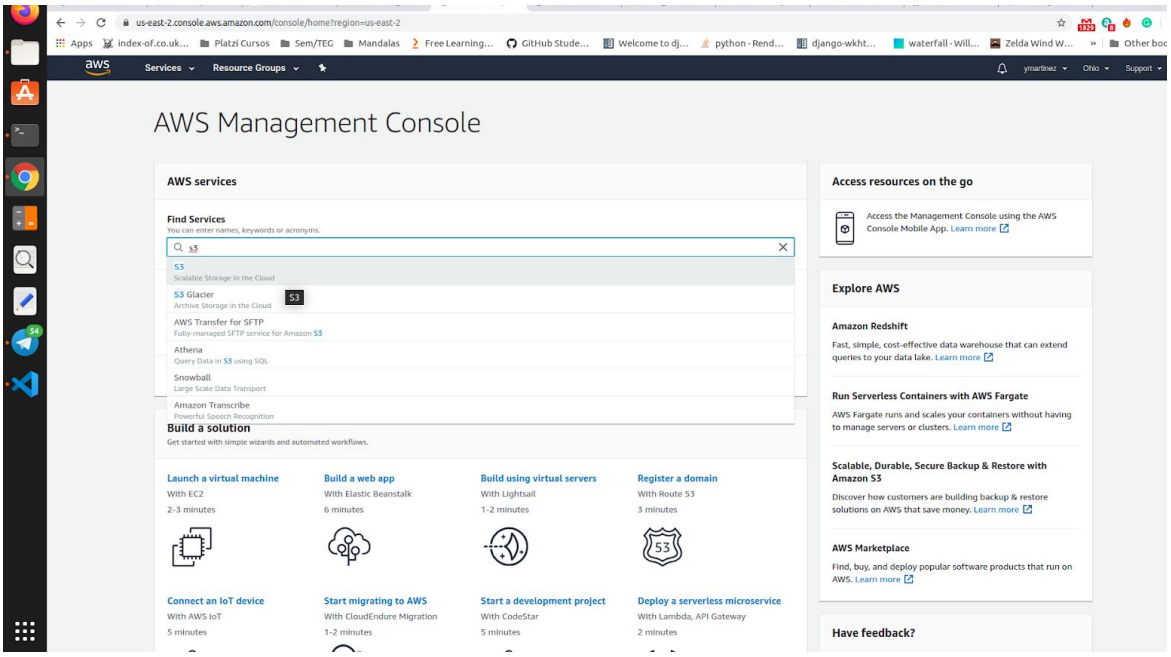
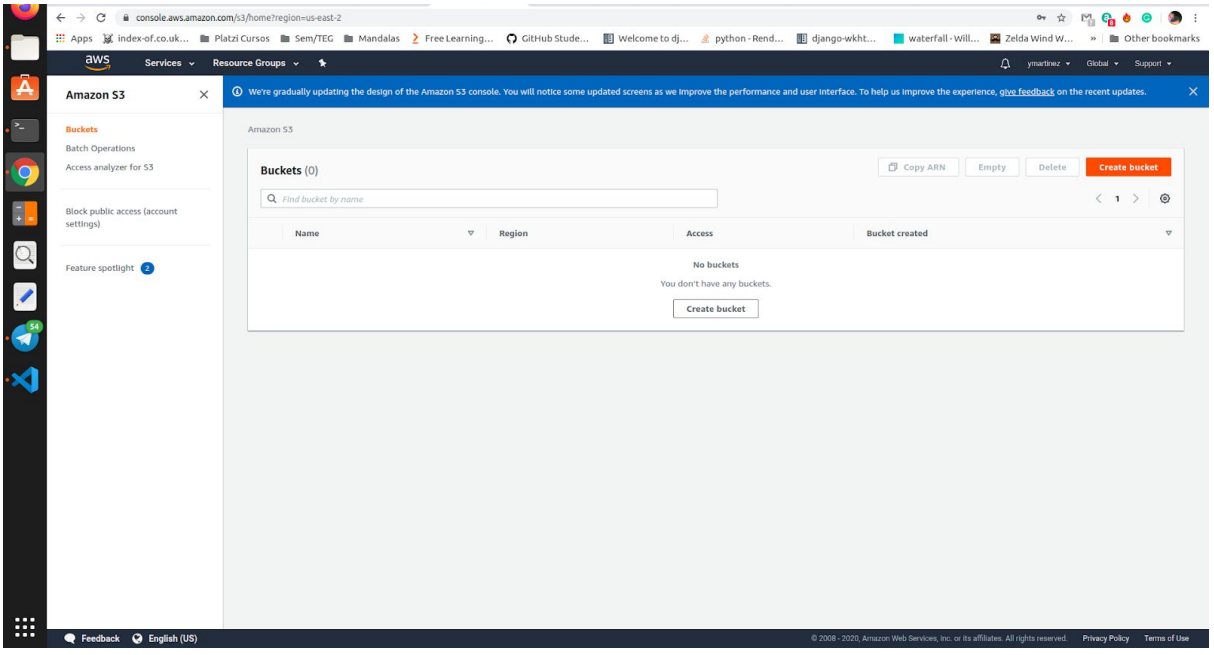
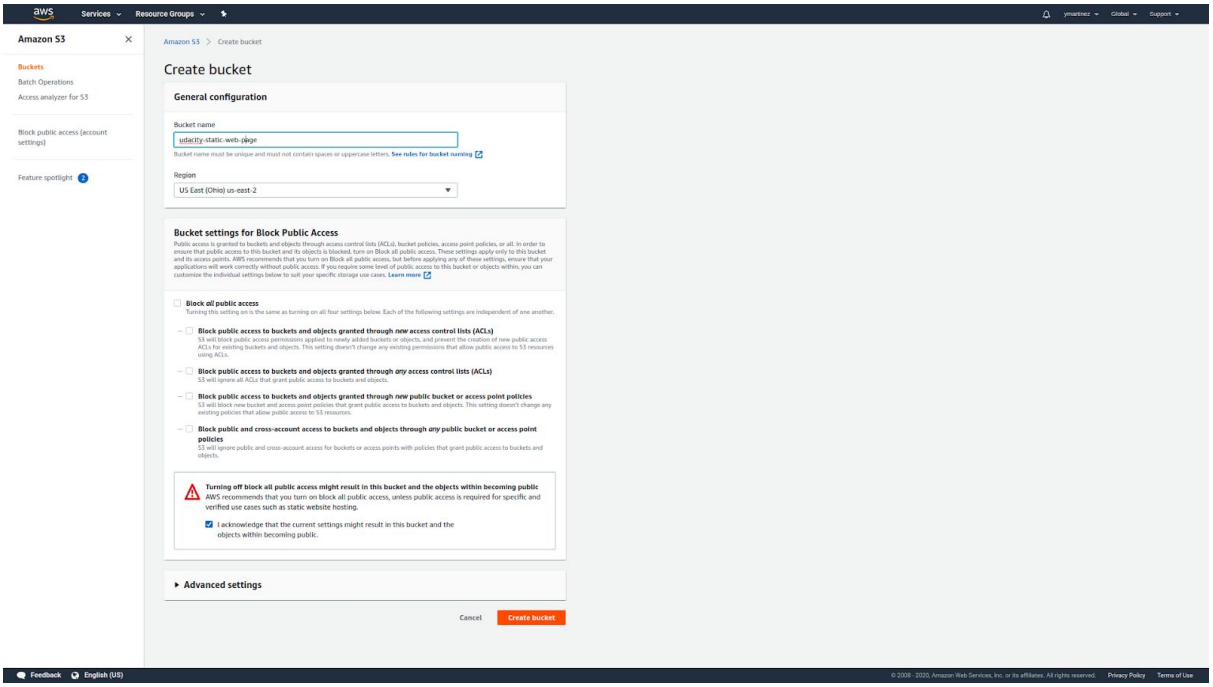
Deploy Static Website on AWS by Ybrahin Martinez

Website Files

Creating the S3 bucket






Services
Resource Groups
Amazon S3
Buckets
Batch Operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
Amazon S3 > Create bucket
Create bucket
General configuration
Bucket name
udacity-static-web-page
Bucket name must be unique and must not contain spaces or uppercase letters. See rules for bucket naming
Region
US East (Ohio) us-east-2
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 applications will work correctly without public access. If you require some level of public access to this bucket 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.
Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.
I acknowledge that the current settings might result in this bucket and the objects within becoming public.
Advanced settings
Cancel
Create bucket
Feedback
English (US)
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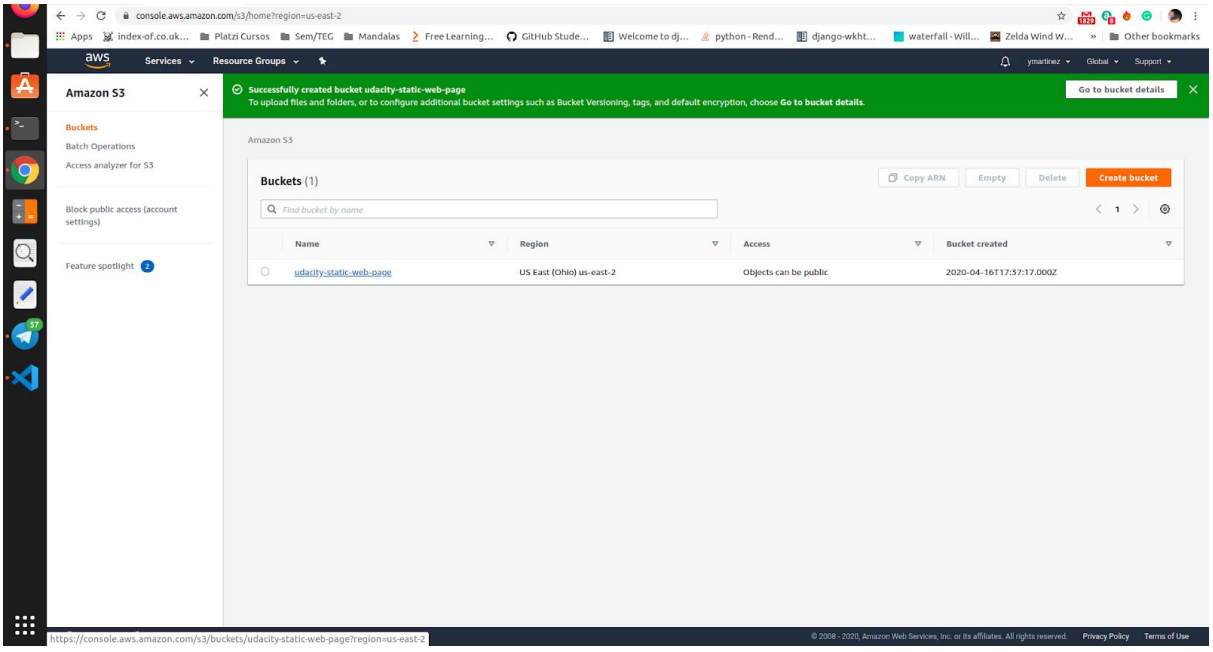
console.aws.amazon.com/s3/home?region=us-east-2
Apps
index-of.co.uk...
Platzi Cursos
Sem/TEC
Mandalas
Free Learning...
GitHub Stude...
Welcome to dj...
python - Rend...
django-wkht...
waterfall - Will...
Zelda Wind W...
Other bookmarks
Services
Resource Groups
Amazon S3
Buckets
Batch Operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
Successfully created bucket udacity-static-web-page
To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose Go to bucket details.
Go to bucket details
Amazon S3
Buckets (1)
Copy ARN
Empty
Delete
Create bucket
Find bucket by name
Name
Region
Access
Bucket created
udacity-static-web-page
US East (Ohio) us-east-2
Objects can be public
2020-04-16T17:57:17.000Z
https://console.aws.amazon.com/s3/buckets/udacity-static-web-page?region=us-east-2
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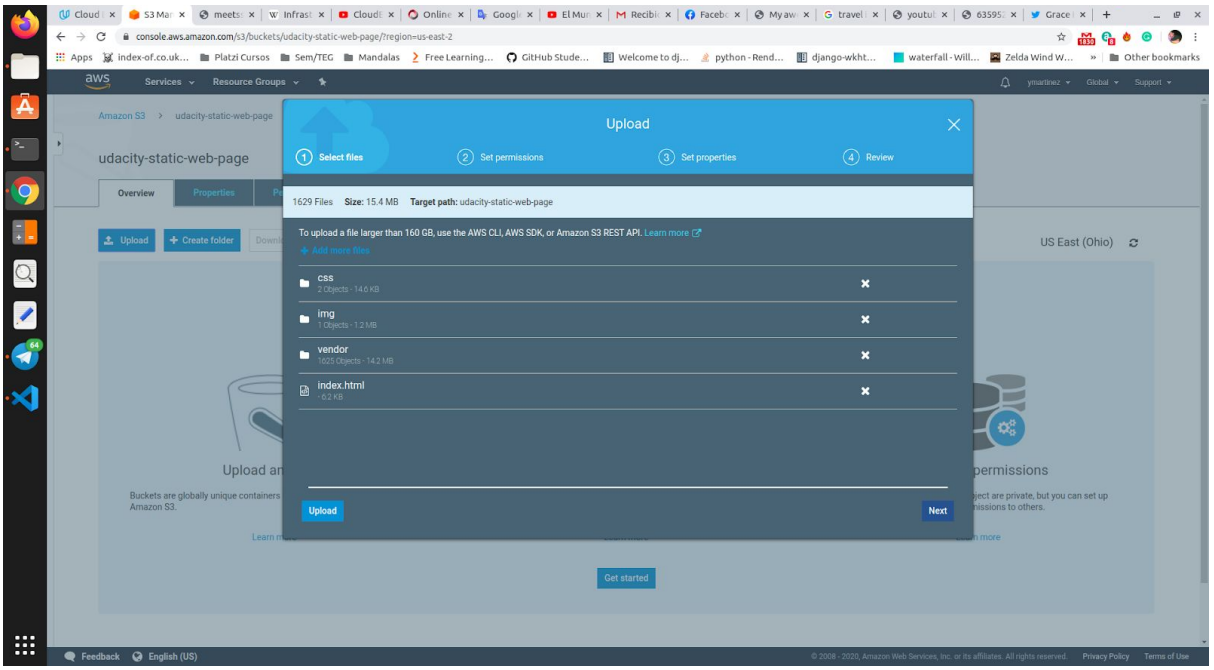
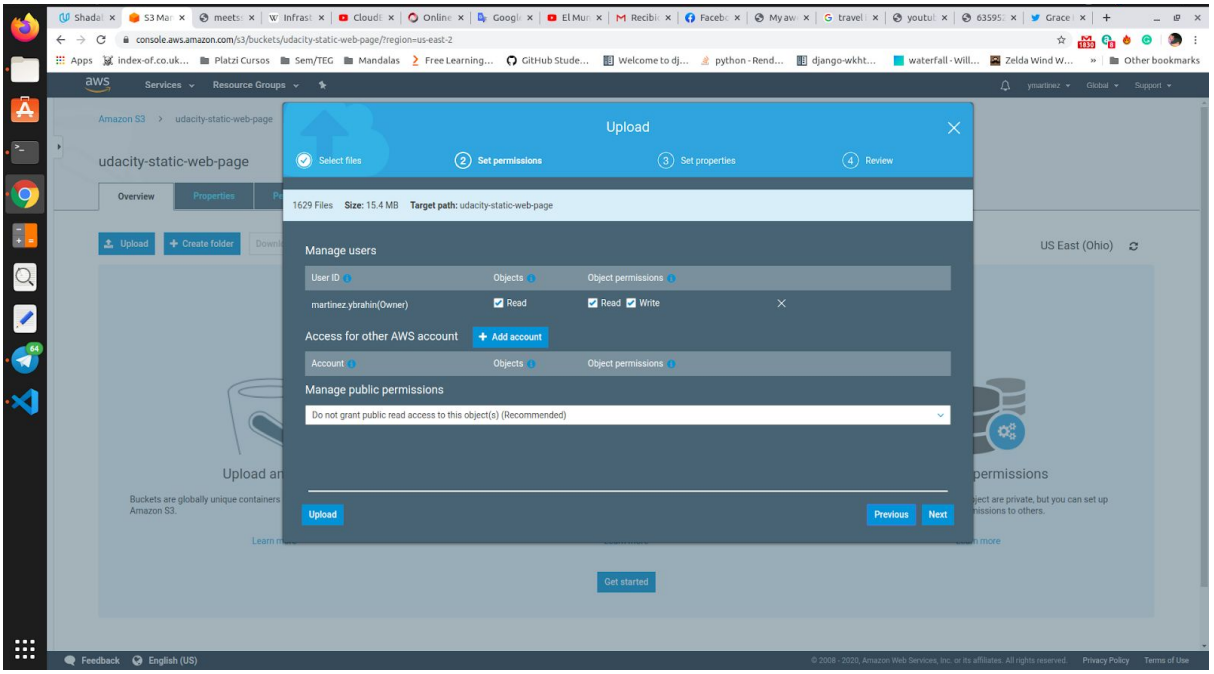
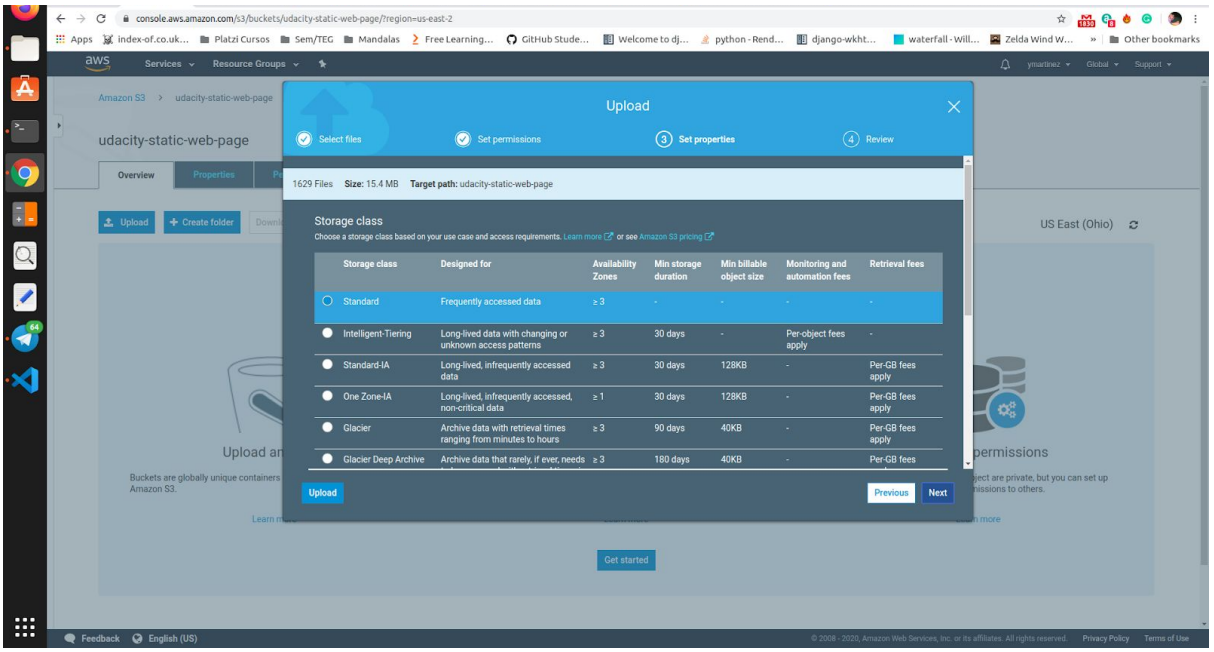
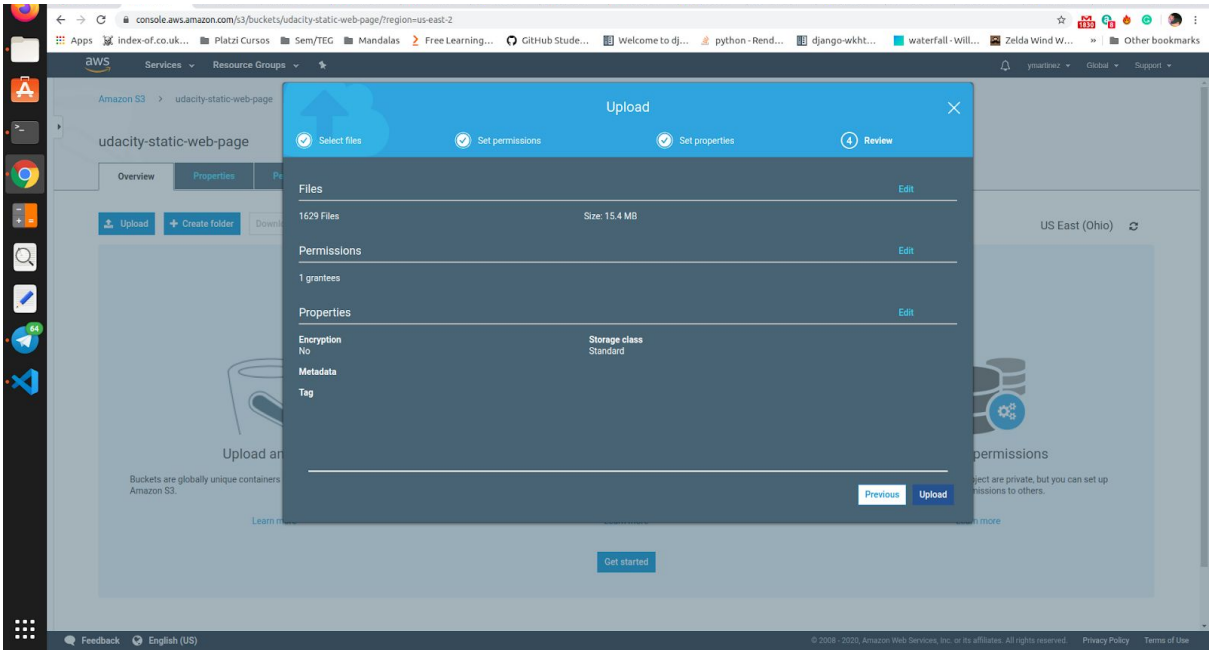
Uploading the files

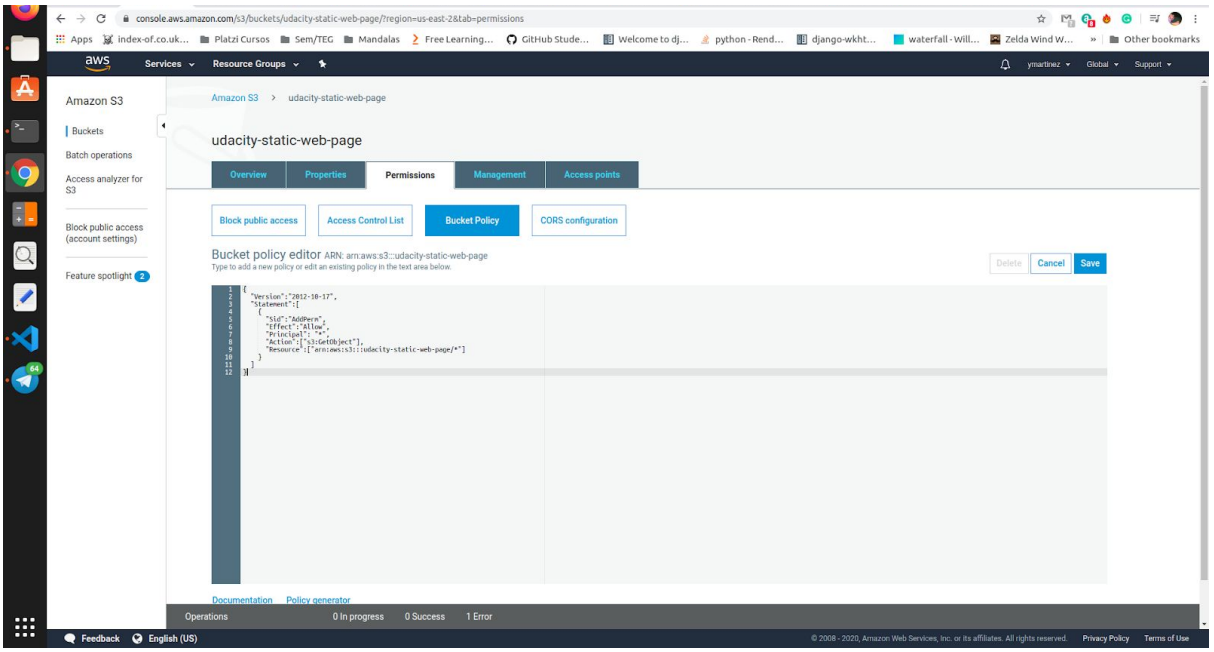


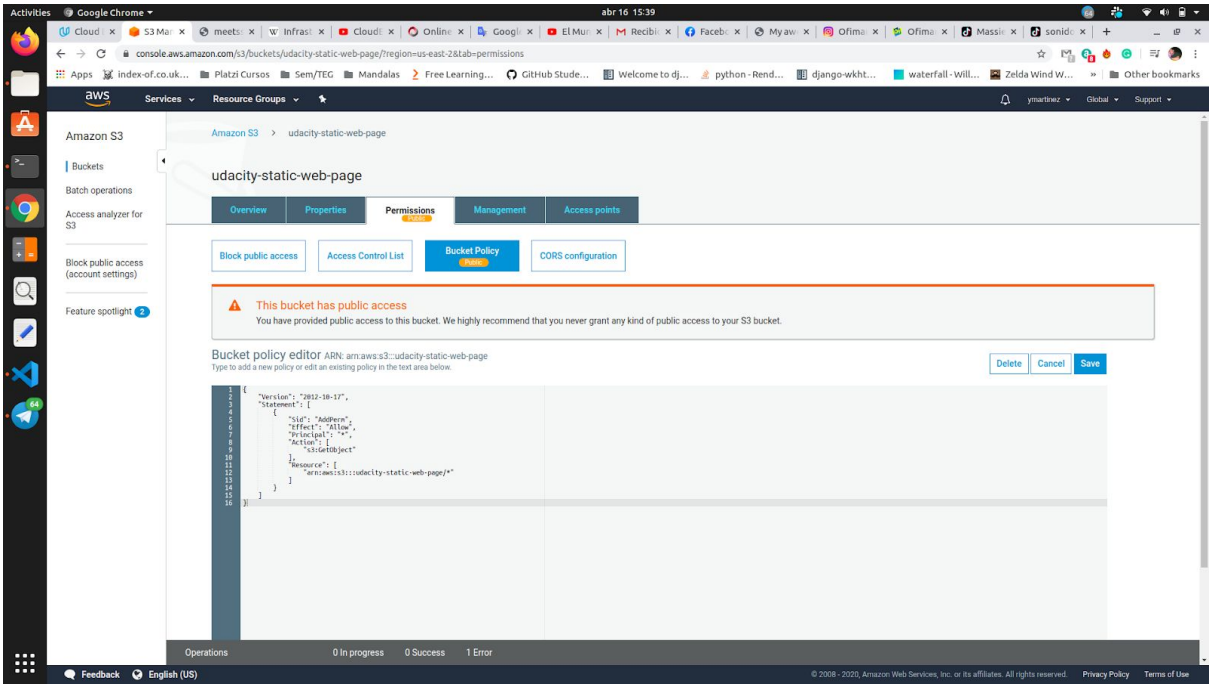



Upload
Select files
Set permissions
Set properties
Review
1629 Files Size: 15.4 MB Target path: udacity-static-web-page
Storage class
Choose a storage class based on your use case and access requirements. Learn more or see Amazon S3 pricing
Storage class | Designed for | Availability Zones | Min storage duration | Min billable object size | Monitoring and automation fees | Retrieval fees
Standard | Frequently accessed data | ≥ 3 | - | - | - | -
Intelligent-Tiering | Long-lived data with changing or unknown access patterns | ≥ 3 | 30 days | - | Per-object fees apply | -
Standard-IA | Long-lived, infrequently accessed data | ≥ 3 | 30 days | 128KB | - | Per-GB fees apply
One Zone-IA | Long-lived, infrequently accessed, non-critical data | ≥ 1 | 30 days | 128KB | - | Per-GB fees apply
Glacier | Archive data with retrieval times ranging from minutes to hours | ≥ 3 | 90 days | 40KB | - | Per-GB fees apply
Glacier Deep Archive | Archive data that rarely, if ever, needs | ≥ 3 | 180 days | 40KB | - | Per-GB fees
Upload
Previous
Next

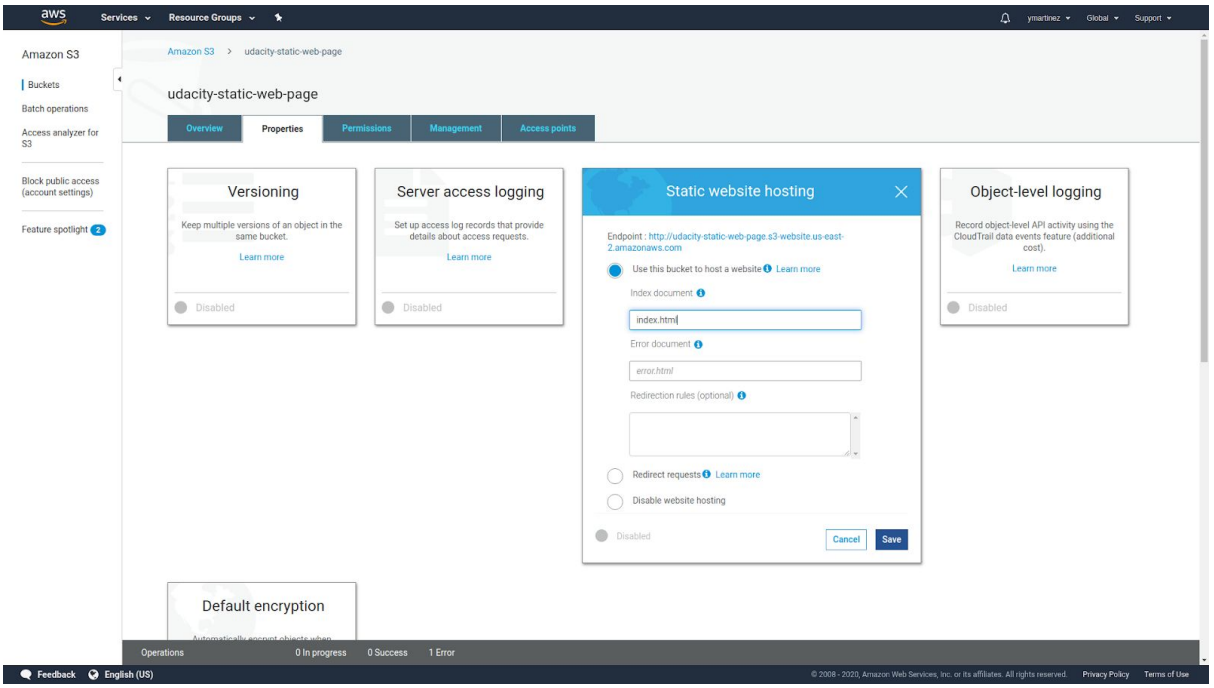

Upload
Select files
Set permissions
Set properties
Review
Files
Edit
1629 Files
Size: 15.4 MB
Permissions
Edit
1 grantees
Properties
Edit
Encryption
No
Storage class
Standard
Metadata
Tag
Previous
Upload

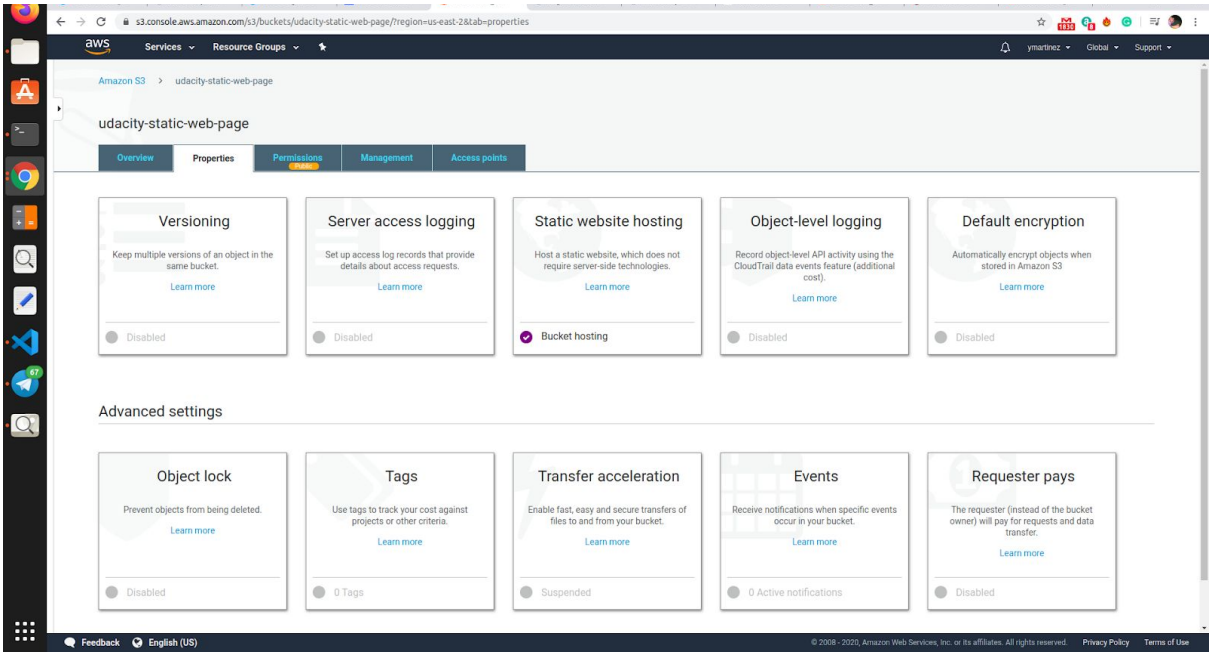
Securing the file with IAM policy





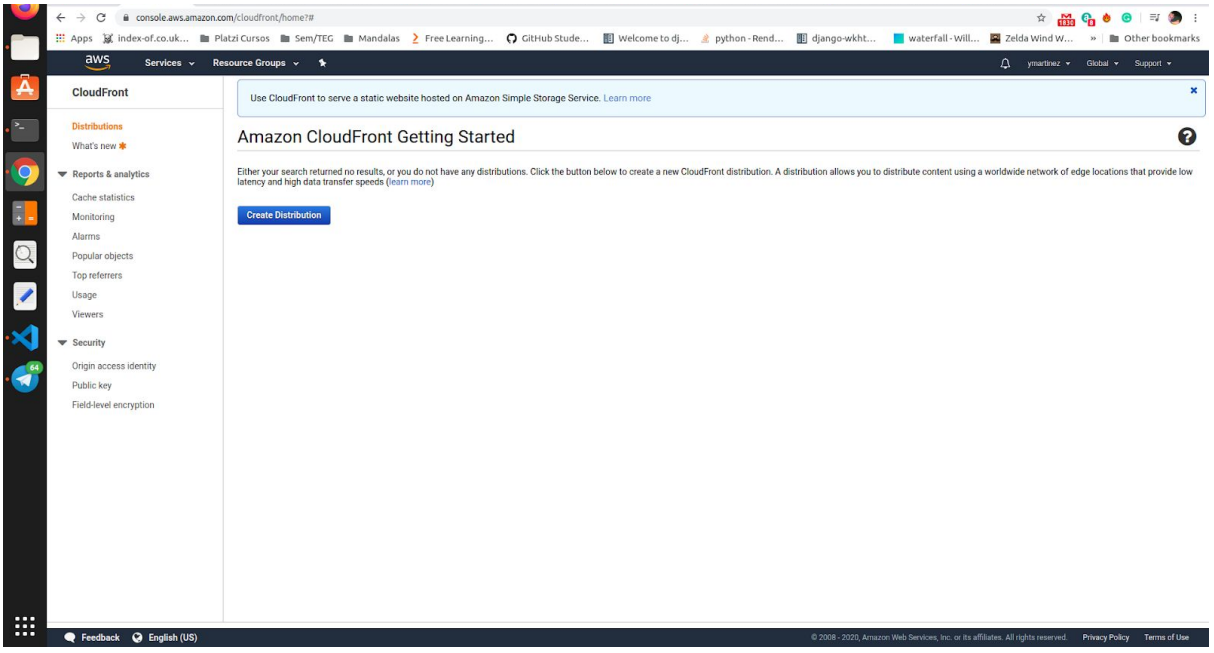
Configuring the S3 bucket to support static website hosting

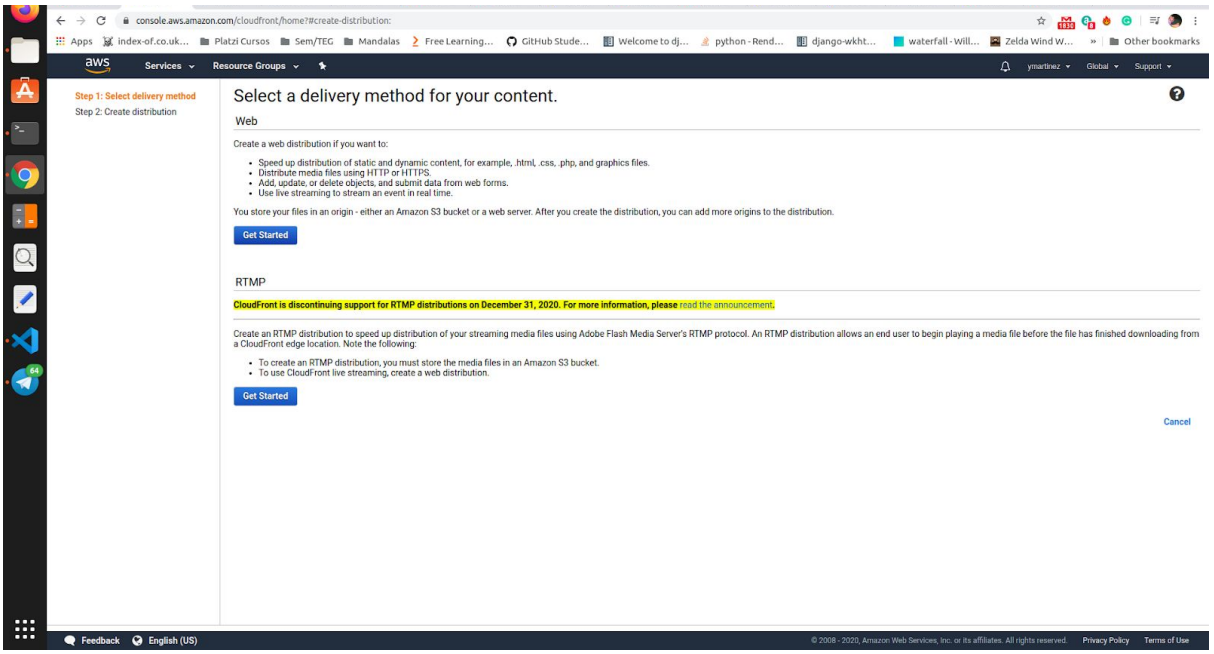




Website distribution

Configuring the Cloudfront service on the S3 bucket




console.aws.amazon.com/cloudfront/home?#create-distribution:
Services
Resource Groups
Step 1: Select delivery method
Step 2: Create distribution
Select a delivery method for your content.
Web
Create a web distribution if you want to:
Speed up distribution of static and dynamic content, for example, .html, .css, .php, and graphics files.
Distribute media files using HTTP or HTTPS.
Add, update, or delete objects, and submit data from web forms.
Use live streaming to stream an event in real time.
You store your files in an origin - either an Amazon S3 bucket or a web server. After you create the distribution, you can add more origins to the distribution.
Get Started
RTMP
CloudFront is discontinuing support for RTMP distributions on December 31, 2020. For more information, please read the announcement.
Create an RTMP distribution to speed up distribution of your streaming media files using Adobe Flash Media Server's RTMP protocol. An RTMP distribution allows an end user to begin playing a media file before the file has finished downloading from a CloudFront edge location. Note the following:
To create an RTMP distribution, you must store the media files in an Amazon S3 bucket.
To use CloudFront live streaming, create a web distribution.
Get Started
Cancel
Feedback
English (US)
Privacy Policy
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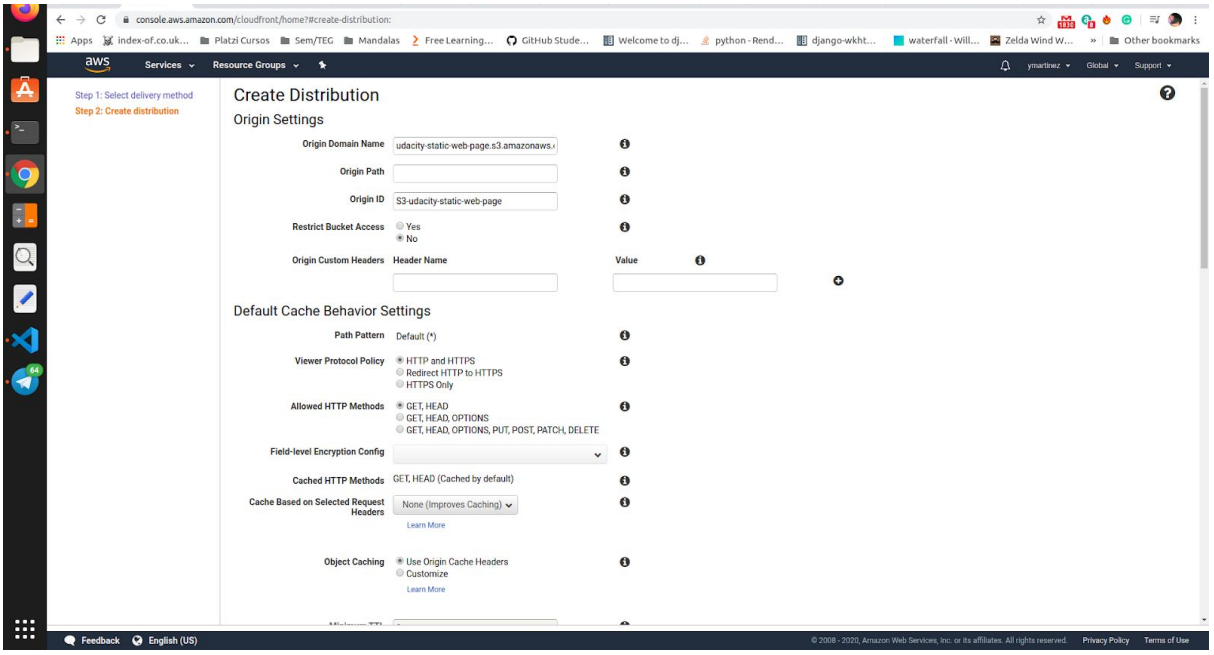
console.aws.amazon.com/cloudfront/home?#create-distribution:
Services
Resource Groups
Step 1: Select delivery method
Step 2: Create distribution
Create Distribution
Origin Settings
Origin Domain Name
udacity-static-web-page.s3.amazonaws.
Origin Path
Origin ID
S3-udacity-static-web-page
Restrict Bucket Access
Yes
No
Origin Custom Headers
Header Name
Value
Default Cache Behavior Settings
Path Pattern
Default (*)
Viewer Protocol Policy
HTTP and HTTPS
Redirect HTTP to HTTPS
HTTPS Only
Allowed HTTP Methods
GET, HEAD
GET, HEAD, OPTIONS
GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE
Field-level Encryption Config
Cached HTTP Methods
GET, HEAD (Cached by default)
Cache Based on Selected Request Headers
None (Improves Caching)
Learn More
Object Caching
Use Origin Cache Headers
Customize
Learn More
Feedback
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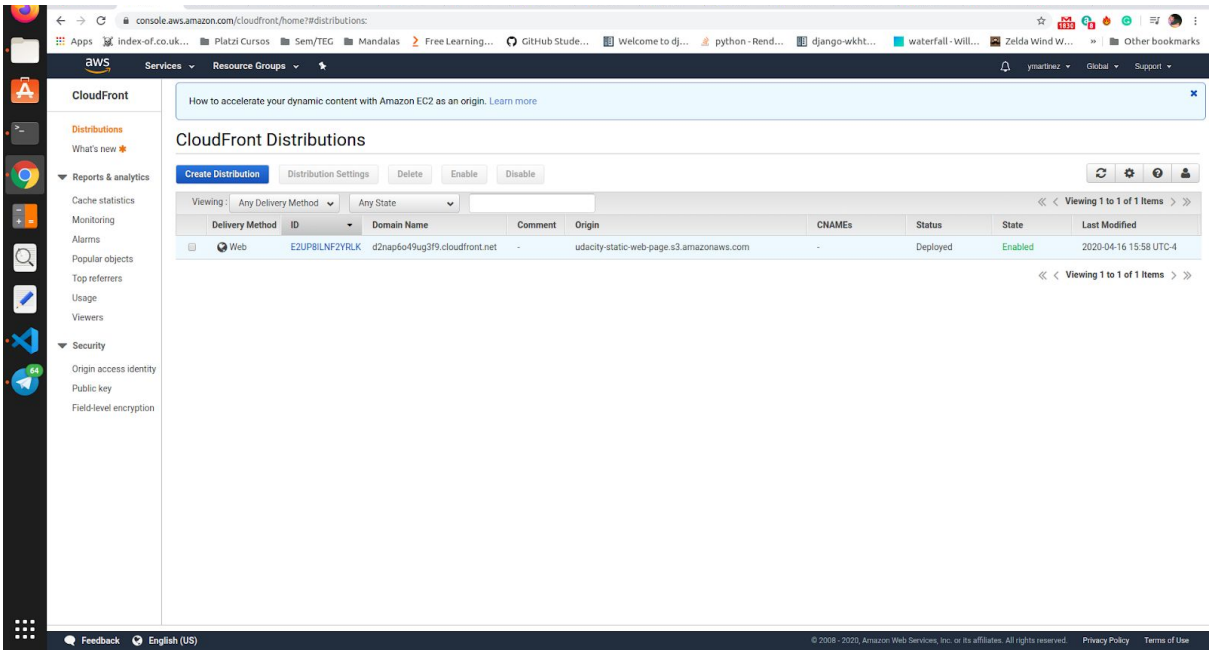

Web browser access

Accessing to the website