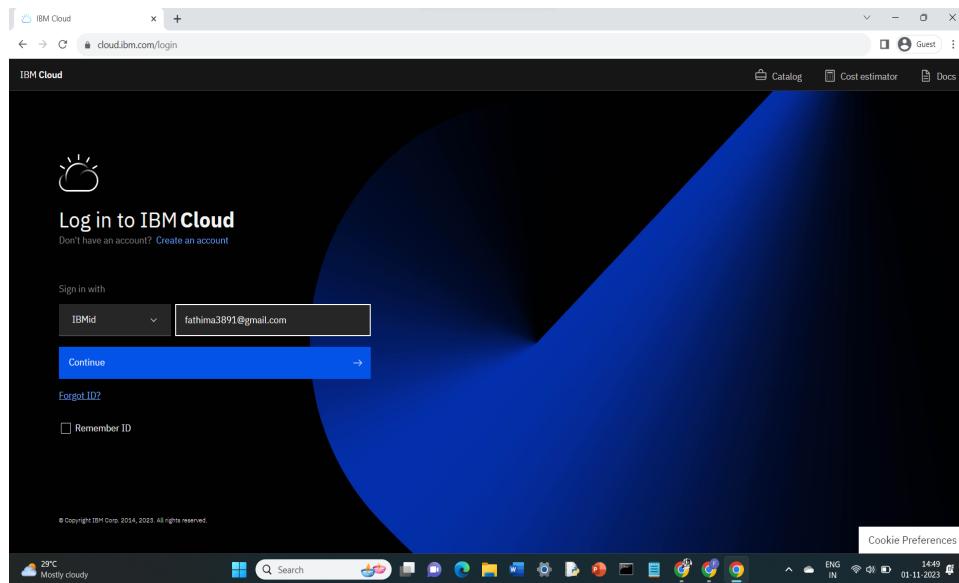


Phase 4: Deployment Part 2

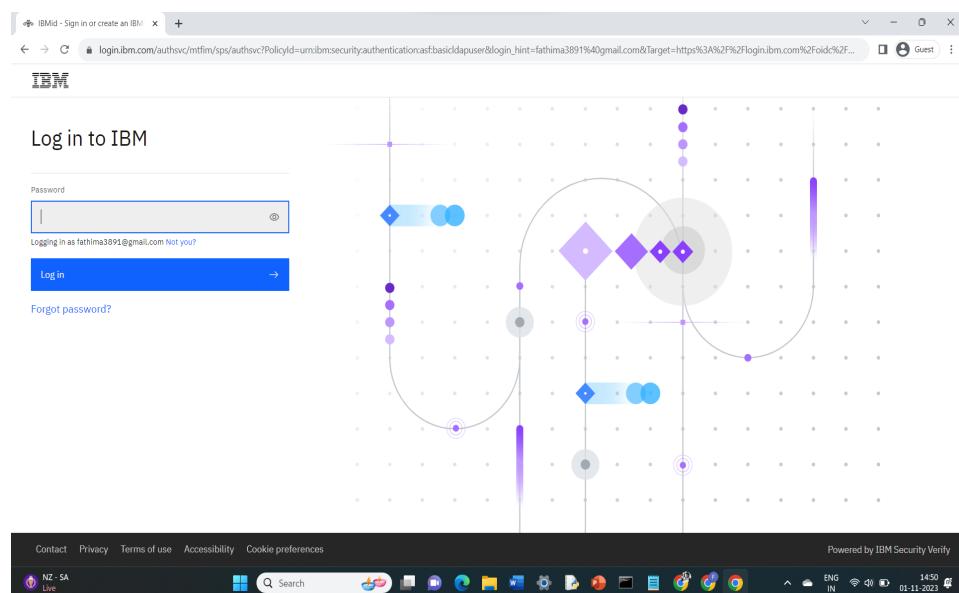
Personal Blog on IBM Cloud Static Web Apps

Steps to Host the Static Travel Blog Website on IBM Cloud:

1. Go to IBM cloud website <https://www.ibm.com/cloud> and sign into your IBM account:



2. Enter the password and click "Log in":



- Now you should see your IBM dashboard. In the search bar at the top, type "Object Storage" and select the first option:

The screenshot shows the IBM Cloud dashboard with a search bar at the top containing the text "object". Below the search bar, there is a section titled "Catalog Results" which lists "Object Storage" as the first result. To the right of the catalog results, there are several cards: "IBM Cloud" (with a brief description), "Explore DevSecOps on IBM Cloud" (with a brief description), "Backup with Veeam" (with a brief description), and "Cloud Object Storage on VPC for SAP HANA Backup" (with a brief description). At the bottom of the dashboard, there are sections for "News", "Recent support cases", "Planned maintenance", and "IBM Cloud status". The status map shows green dots across most regions.

- The Cloud Object Storage page should look like this:

The screenshot shows the "Cloud Object Storage" creation page. At the top, there is a navigation bar with "Catalog / Services /" and a search bar. Below the navigation, there are two main sections: "Choose an Infrastructure" and "Select a pricing plan". The "Choose an Infrastructure" section contains two options: "IBM Cloud" and "Satellite". The "IBM Cloud" section has a detailed description and a "Create" button. The "Satellite" section also has a detailed description and a "Create" button. Below these sections, there is a table for selecting a pricing plan. The table has columns for "Plan", "Features", and "Pricing". There is one row for the "Lite" plan, which is described as being free for storage capacity up to 25 GB per month. To the right of the table, there is a "Summary" section with details about the service: Region: Global, Plan: Lite, Service name: Cloud Object Storage-0, and Resource group: Default. At the bottom, there are buttons for "Create", "Add to estimate", and "View terms". The status bar at the bottom of the browser window shows the date and time as 01-11-2023 15:28.

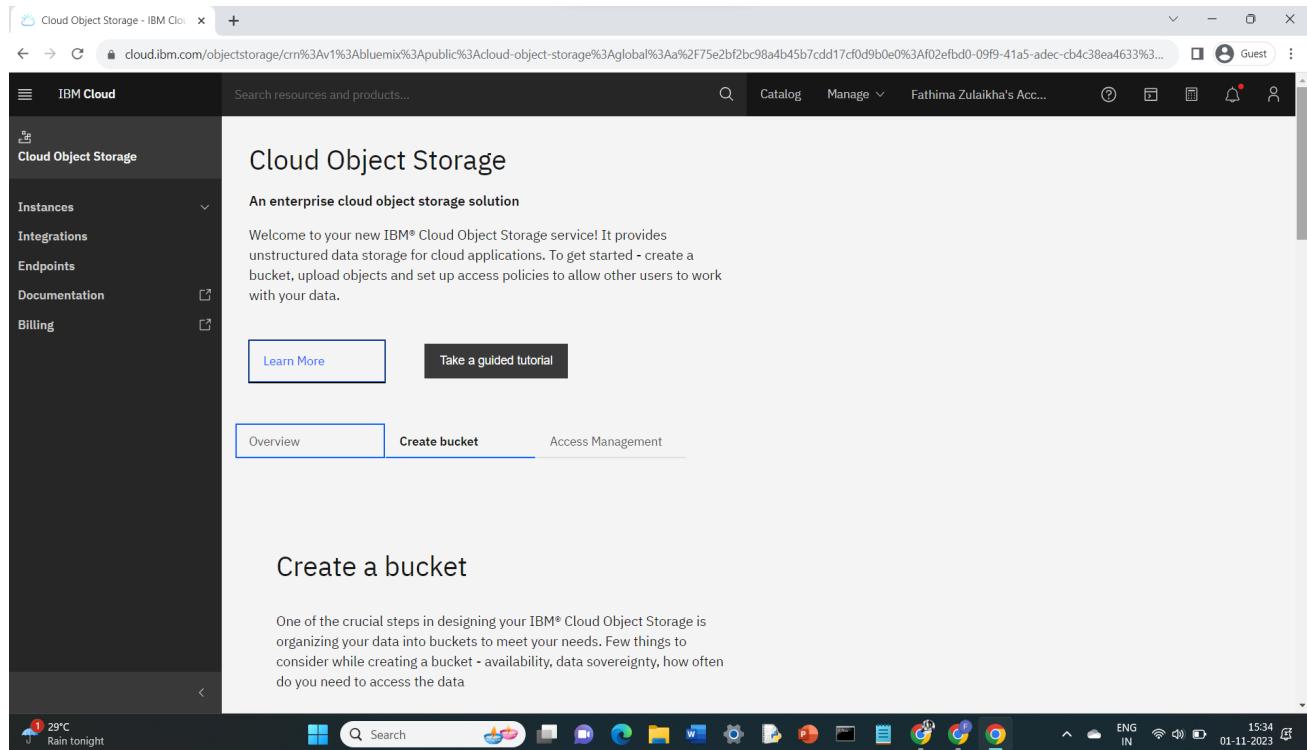
5. Click on "Create":

The screenshot shows the IBM Cloud Object Storage creation interface. On the left, there's a table comparing three plan options: Lite, Standard, and One Rate. The Lite plan is described as free and suitable for trial. The Standard plan is Pay-as-You-Go with no minimum fee. The One Rate plan offers a flat monthly charge. The right side of the screen displays a summary of the selected service, showing it's a Cloud Object Storage instance with a Global region, a Lite plan, and a service name of 'Cloud Object Storage-0f'. Below this, there's a configuration section for the resource, including fields for Service name (set to 'Cloud Object Storage-0f'), Select a resource group (set to 'Default'), and Tags (with an example of 'env:dev, version-1'). A progress bar indicates the process is 'Creating...'. At the bottom, there are buttons for 'Add to estimate' and 'View terms'.

6. This should take you to the Cloud Object Storage user interface which looks like this:

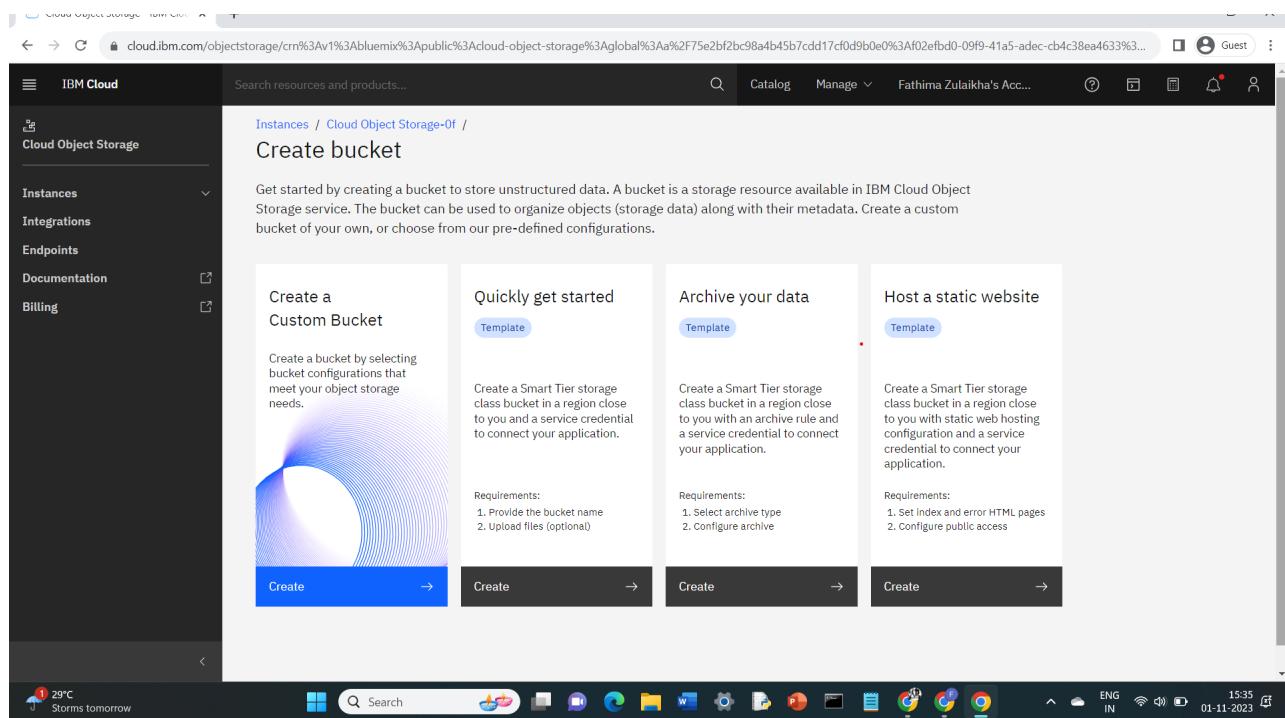
The screenshot shows the IBM Cloud Object Storage user interface. The left sidebar has a navigation menu with 'Cloud Object Storage' selected. The main content area is titled 'Cloud Object Storage' and describes it as an enterprise cloud object storage solution. It welcomes the user to their new service and provides instructions to get started by creating a bucket, uploading objects, and setting access policies. There are two buttons at the top of the main content area: 'Learn More' and 'Take a guided tutorial'. Below these buttons are three navigation tabs: 'Overview' (which is active), 'Create bucket', and 'Access Management'. The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

7. Choose the “Create bucket” option and press “Create a bucket”:



The screenshot shows the IBM Cloud Object Storage dashboard. On the left, there's a sidebar with options like Instances, Integrations, Endpoints, Documentation, and Billing. The main content area has a heading "Cloud Object Storage" and a sub-heading "An enterprise cloud object storage solution". Below this is a welcome message: "Welcome to your new IBM® Cloud Object Storage service! It provides unstructured data storage for cloud applications. To get started - create a bucket, upload objects and set up access policies to allow other users to work with your data." At the bottom of this section are two buttons: "Learn More" and "Take a guided tutorial". Below the welcome message are three tabs: "Overview" (highlighted with a blue border), "Create bucket", and "Access Management".

8. Choose the “Create a Custom Bucket” option:



The screenshot shows the "Create bucket" page within the IBM Cloud Object Storage interface. The left sidebar remains the same. The main content area has a heading "Create bucket" and a sub-heading "Get started by creating a bucket to store unstructured data. A bucket is a storage resource available in IBM Cloud Object Storage service. The bucket can be used to organize objects (storage data) along with their metadata. Create a custom bucket of your own, or choose from our pre-defined configurations." Below this are four cards:

- Create a Custom Bucket**: "Create a bucket by selecting bucket configurations that meet your object storage needs." Includes a "Create" button.
- Quickly get started**: "Create a Smart Tier storage class bucket in a region close to you and a service credential to connect your application." Includes a "Create" button.
- Archive your data**: "Create a Smart Tier storage class bucket in a region close to you with an archive rule and a service credential to connect your application." Includes a "Create" button.
- Host a static website**: "Create a Smart Tier storage class bucket in a region close to you with static web hosting configuration and a service credential to connect your application." Includes a "Create" button.

9. Give a Unique name for your Bucket and select “Single Site”:

The screenshot shows the 'Create custom bucket' page in the IBM Cloud Object Storage interface. In the 'Unique bucket name' field, the value 'travel-blog-naanmudhalvan' is entered. A tooltip for 'Bucket naming rules' is displayed, listing requirements: must be unique across the whole IBM Cloud Object Storage system, do not use personal information, must start and end in alphanumeric characters (3 to 63), and allowed characters include lowercase, numbers, and nonconsecutive dots and hyphens. Under 'Resiliency', the 'Single Site' option is selected, indicated by a checked checkbox. Below it, a warning message states 'Resiliency cannot be modified after provisioning'. Under 'Location', the 'Single Site' location is chosen. At the bottom right, there are 'Cancel' and 'Create bucket' buttons, with the latter being blue.

10. The new bucket will be created and look like this:

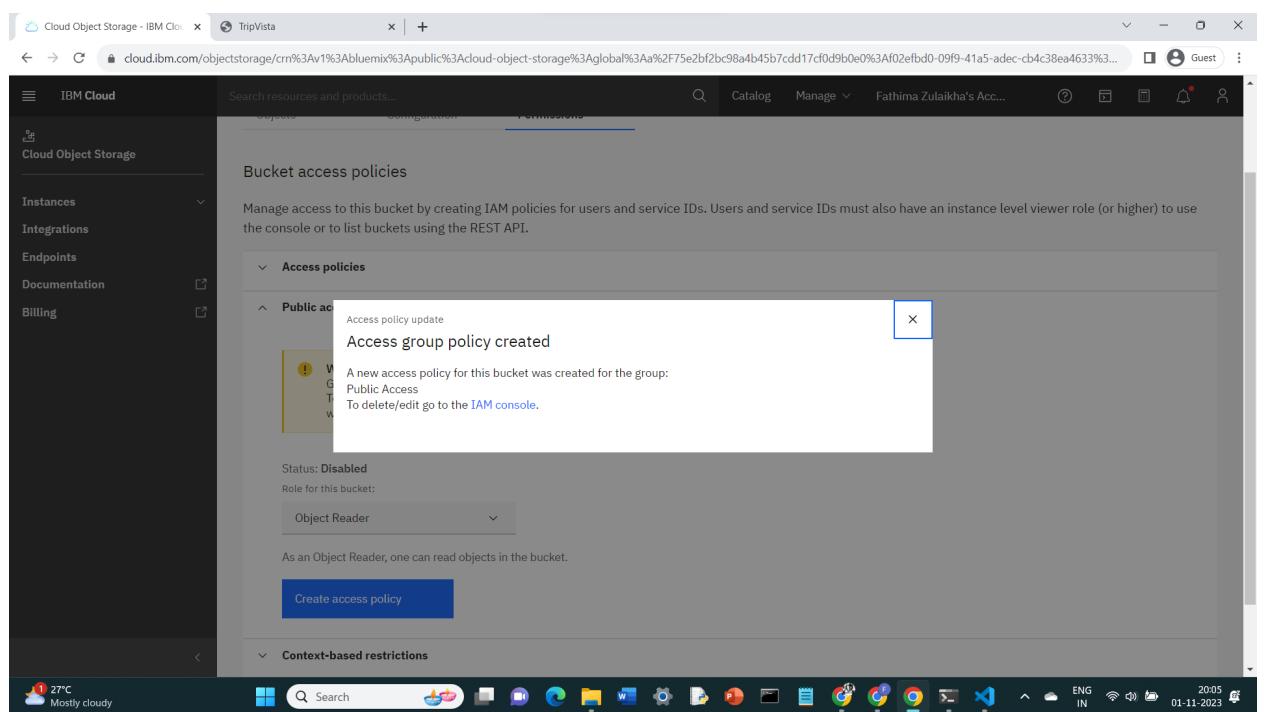
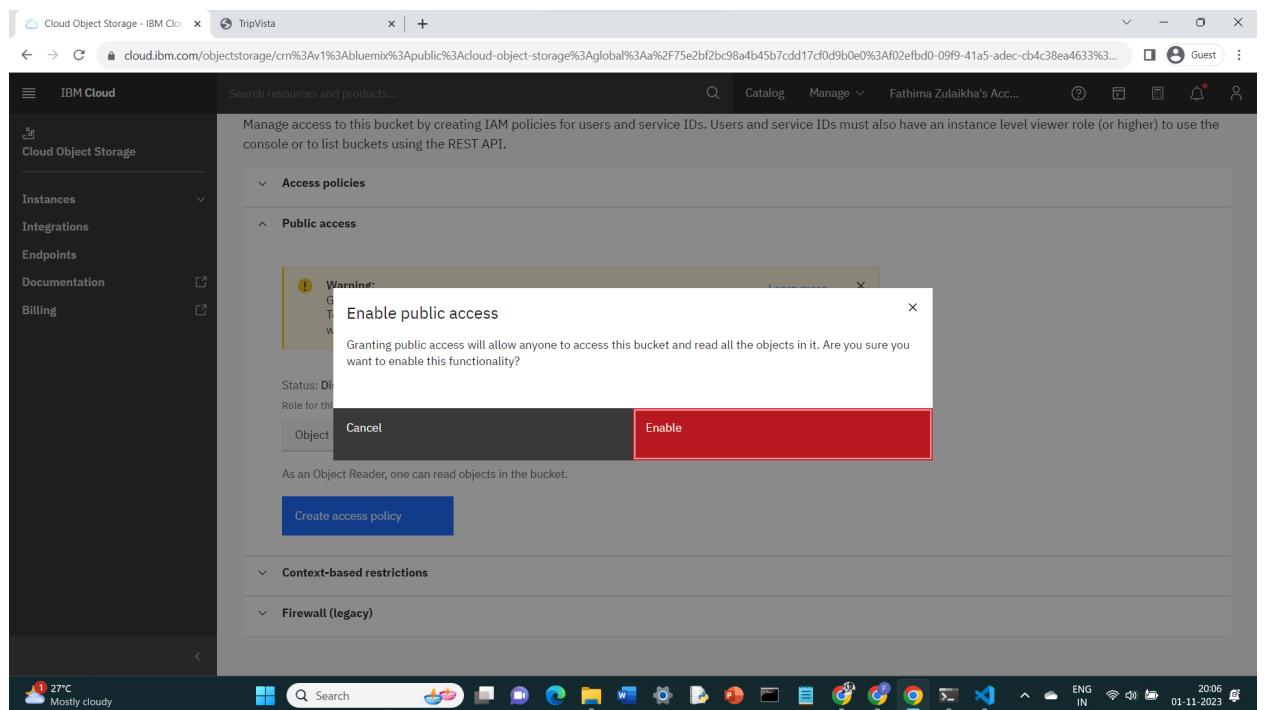
The screenshot shows the 'travel-blog-naanmudhalvan' bucket details page. The left sidebar has 'Cloud Object Storage' selected under 'Instances'. The main area displays the bucket name 'travel-blog-naanmudhalvan'. Below it, there are tabs for 'Objects', 'Configuration', and 'Permissions', with 'Objects' currently selected. A message at the top says 'If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)'. Below this is a search bar labeled 'Prefix filter' and an 'Upload' button. A table header for 'Objects' includes columns for 'Object name', 'Size', and 'Last modified'. A small icon of a cube represents the objects. A note below says 'Drag and drop files (objects) to upload. An object is your data in fixed form.' The bottom of the screen shows the Windows taskbar with various pinned icons.

11. Go to “Permissions” and change Role for this bucket to Object Reader under Public access:

The screenshot shows the IBM Cloud Object Storage interface. On the left, there's a sidebar with options like Instances, Integrations, Endpoints, Documentation, and Billing. The main area is titled "Cloud Object Storage" and has tabs for Objects, Configuration, and Permissions. Under "Bucket access policies", it says "Manage access to this bucket by creating IAM policies for users and service IDs. Users and service IDs must also have an instance level viewer role (or higher) to use the console or to list buckets using the REST API." A "Warning" box states: "Granting Public access to this bucket will allow anyone to access the bucket. To revoke public access, remove the ‘Public access’ policy from this bucket within Access groups." Below this, the "Status" is listed as "Disabled" and the "Role for this bucket" is set to "Content Reader". A blue "Create access policy" button is visible. The system status bar at the bottom shows "27°C Mostly cloudy", a taskbar with various icons, and a date/time of "01-11-2023 19:54".

This screenshot shows the same interface after the role has been changed. The "Role for this bucket" dropdown now shows "Object Reader". The rest of the page, including the warning message and the "Create access policy" button, remains the same. The system status bar at the bottom shows "27°C Mostly cloudy", a taskbar with various icons, and a date/time of "01-11-2023 20:06".

12. Click “Create access policy” and enable Public Access:



13. Go to “Configuration” and scroll down till “Static website hosting”. Click “Add” to enable serving of the static website directly from the bucket with public access:

The screenshot shows the 'Cloud Object Storage - IBM Cloud' interface. In the left sidebar, 'Cloud Object Storage' is selected under 'Instances'. The main panel displays the 'Static website hosting' configuration. It includes sections for 'Set a redirect rule type (optional)', 'Index document', 'Error document (optional)', and 'Bucket website endpoint'. A 'Set routing rules' section is also present. The status 'Public access' is set to 'Enabled'. The bottom right corner shows the system tray with the date and time.

14. Now, go back to Objects, and click on “Upload” to upload the project files (HTML files, CSS, JS files, pictures etc.) :

The screenshot shows the 'Cloud Object Storage - IBM Cloud' interface. In the left sidebar, 'Cloud Object Storage' is selected under 'Instances'. The main panel shows the 'Objects' tab for the 'travel-blog-naanmudhalvan' bucket. On the right, there's a large 'Upload files (objects)' section with options for 'Drag and drop files and folders or click to upload' and 'Upload files' and 'Upload folders' buttons. The status bar at the bottom indicates '15:55 01-11-2023'.

15. Wait for the files to be uploaded:

The screenshot shows the IBM Cloud Object Storage interface. On the left, the sidebar has 'Cloud Object Storage' selected under 'Instances'. The main area shows a bucket named 'travel-blog-naanmudhalvan'. A 'Transfers' panel on the right shows an upload progress bar for 89 objects, with 35.2 MB of 54.3 MB uploaded (65%). A warning message states: 'Warning: All objects in this bucket have public view access.' Below the warning, there's a note: 'If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads'. The bottom status bar shows the date and time as 01-11-2023 19:17.

16. The files/objects once created will look like this:

The screenshot shows the IBM Cloud Object Storage interface with a different session name ('TripVista'). The main area displays a list of objects in the 'travel-blog-naanmudhalvan' bucket. The objects listed are:

Object name	Size	Last modified	Actions
assets/Abtract01.png	19.0 KB	2023-11-01 7:17 PM	⋮
assets/Bac..image-2.png	927.8 KB	2023-11-01 7:17 PM	⋮
assets/Ba..i-image.png	10.5 MB	2023-11-01 7:17 PM	⋮
assets/Bl../blog1.png	1.1 MB	2023-11-01 7:17 PM	⋮
assets/Bl../blog2.png	9.6 MB	2023-11-01 7:17 PM	⋮

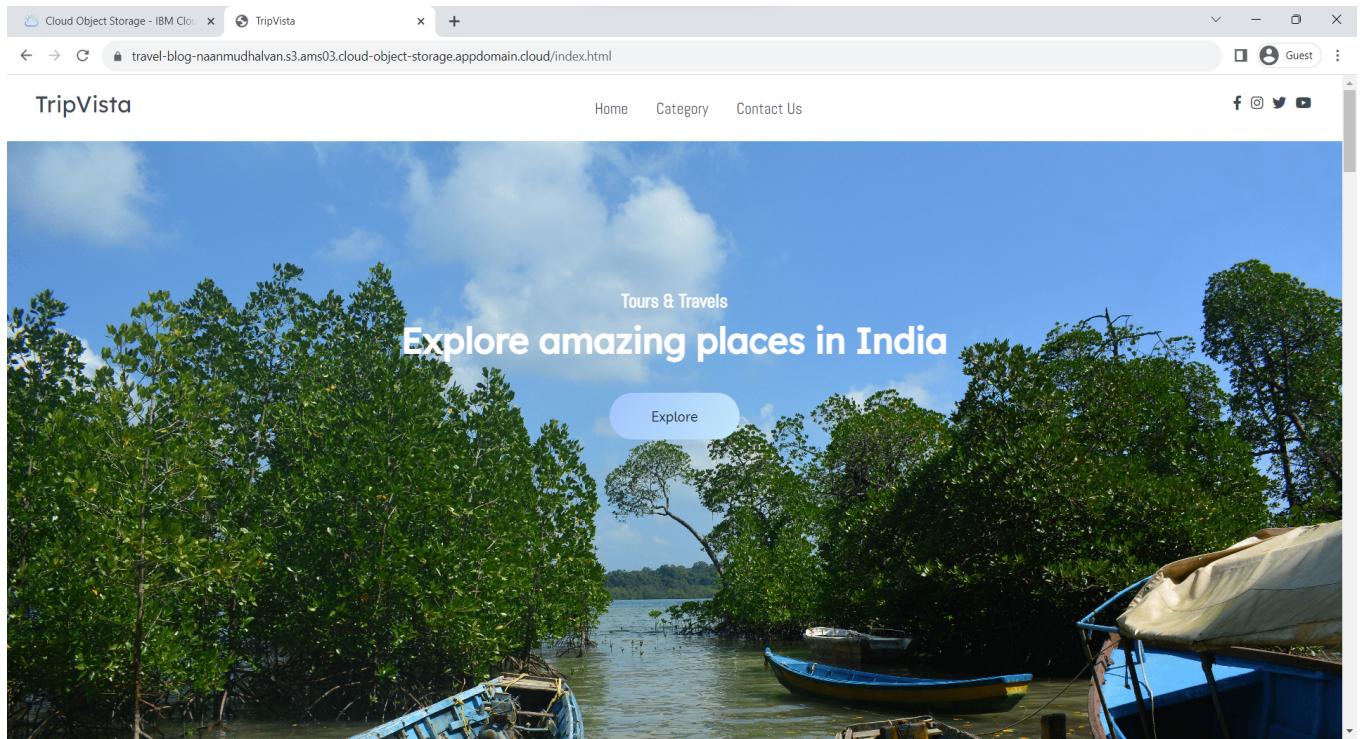
The bottom status bar shows the date and time as 01-11-2023 19:52.

17. Navigate to the “index.html” file and click to view the public URL:

The screenshot shows the IBM Cloud Object Storage interface. On the left, there's a sidebar with options like Instances, Integrations, Endpoints, Documentation, and Billing. The main area displays a list of files in a bucket. One file, 'index.html', is highlighted with a black box. Below the list, there's a message: 'Drag and drop files (objects) here or click to upload'. At the bottom of the list, it says '61-70 of all items'. The address bar at the top shows the URL: https://cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F75e2bf2bc98a4b45b7cd17cf0d9b0e0%3Af02efbd0-09f9-41a5-adec-cb4c38ea4633%3A/panel=bucket_overview&bucket=travel-blog-naanmudhalvan&bucket=index.html.

18. Copy the Object Public URL and paste it the browser to view the hosted website:

The screenshot shows the details for the 'index.html' file in the IBM Cloud Object Storage interface. The 'Overview' tab is selected. In the 'Object details' section, it shows: Last modified 2023-11-01 7:44 PM, Object size 25.3 KB, Storage class Smart Tier, and Object Public URL <https://travel-blog-naanmudhalvan.s3.amazonaws.com/index.html>. Below this, under 'Access with Data Engine', it says 'There is no Data Engine instance available. To provision an Data Engine instance, visit [Integrations](#)'. The address bar at the top shows the URL: <https://cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F75e2bf2bc98a4b45b7cd17cf0d9b0e0%3Af02efbd0-09f9-41a5-adec-cb4c38ea4633%3A/panel=object-details&object=index.html>.



Github Link:

[Git Hub Link](#)

Live Link:

Here is the live link to view our application:

<https://travel-blog-naanmudhalvan.s3.amazonaws.cloud-object-storage.appdomain.cloud/index.html>