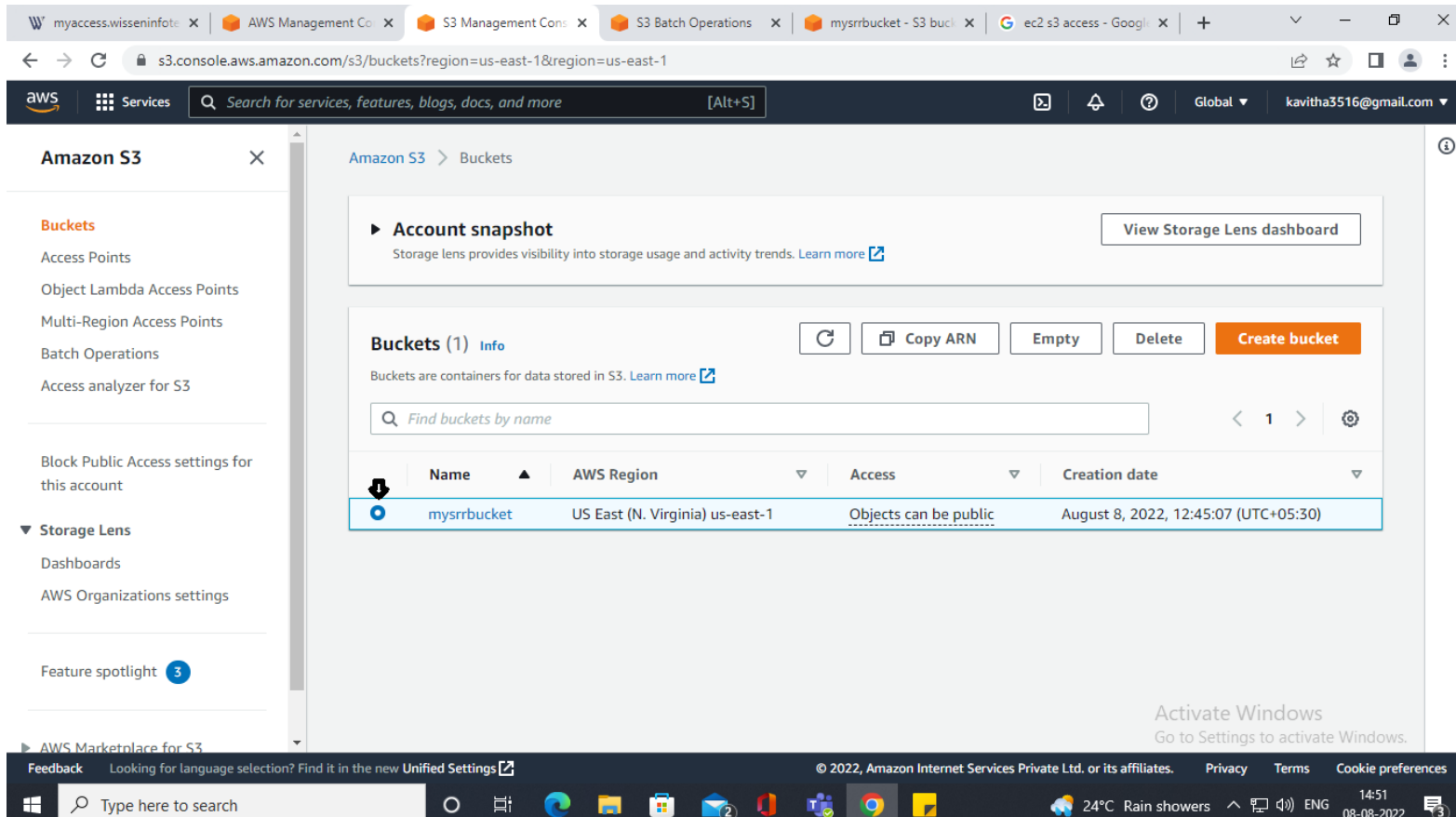


# Enable Versioning in S3 Bucket

## 1. Create S3 bucket



The screenshot shows the AWS Management Console interface for the S3 service. The browser tabs at the top include "myaccess.wisseninfo...", "AWS Management Co...", "S3 Management Cons...", "S3 Batch Operations", "mysrrbucket - S3 buck...", and "ec2 s3 access - Googl...". The address bar shows the URL "s3.console.aws.amazon.com/s3/buckets?region=us-east-1&region=us-east-1". The console header includes the AWS logo, "Services", a search bar, and the user profile "kavitha3516@gmail.com".

The left sidebar shows the "Amazon S3" section with a list of navigation options: "Buckets", "Access Points", "Object Lambda Access Points", "Multi-Region Access Points", "Batch Operations", "Access analyzer for S3", "Block Public Access settings for this account", "Storage Lens" (with sub-options "Dashboards" and "AWS Organizations settings"), and "Feature spotlight 3".

The main content area is titled "Amazon S3 > Buckets". It features an "Account snapshot" section with a "View Storage Lens dashboard" button. Below this is a "Buckets (1) Info" section with buttons for "Copy ARN", "Empty", "Delete", and "Create bucket". A search bar "Find buckets by name" is present. A table lists the buckets:

Name	AWS Region	Access	Creation date
mysrrbucket	US East (N. Virginia) us-east-1	Objects can be public	August 8, 2022, 12:45:07 (UTC+05:30)

The bottom of the console shows a footer with "Feedback", "Looking for language selection? Find it in the new Unified Settings", "© 2022, Amazon Internet Services Private Ltd. or its affiliates.", "Privacy", "Terms", and "Cookie preferences". The Windows taskbar at the bottom displays the search bar, task view, and various application icons, along with system information: "24°C Rain showers", "14:51", and "08-08-2022".

## 2. Select Properties -->choose Bucket Versioning

The screenshot shows the AWS Management Console interface for the 'mysrrbucket' S3 bucket. The left sidebar contains navigation options like 'Buckets', 'Access Points', and 'Storage Lens'. The main content area displays the 'Properties' tab for the bucket, which includes a 'Bucket overview' section with details like 'AWS Region' (US East (N. Virginia) us-east-1) and 'Creation date' (August 8, 2022, 12:45:07 (UTC+05:30)). Below this, the 'Bucket Versioning' section is shown as 'Enabled', with an 'Edit' button. A black arrow points to the 'Properties' tab in the navigation bar. The bottom of the screen shows the Windows taskbar with various application icons and the system clock.

Amazon S3 > Buckets > mysrrbucket

mysrrbucket [Info](#)

Objects **Properties** Permissions Metrics Management Access Points

**Bucket overview**

AWS Region	Amazon Resource Name (ARN)	Creation date
US East (N. Virginia) us-east-1	arn:aws:s3:::mysrrbucket	August 8, 2022, 12:45:07 (UTC+05:30)

**Bucket Versioning**

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

[Edit](#)

Bucket Versioning  
Enabled

Activate Windows  
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Type here to search

24°C 14:58 08-08-2022


### 3. Click on Bucket Versioning Edit

myaccess.wisseninfo x AWS Management Co x mysrbucket - S3 bucl x S3 Batch Operations x mysrrbucket - S3 bucl x ec2 s3 access - Googl x +

s3.console.aws.amazon.com/s3/buckets/mysrbucket?region=us-east-1&tab=properties


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### Bucket overview

AWS Region US East (N. Virginia) us-east-1	Amazon Resource Name (ARN)  arn:aws:s3::mysrbucket	Creation date August 8, 2022, 12:45:07 (UTC+05:30)
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### Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)



Bucket Versioning  
Enabled

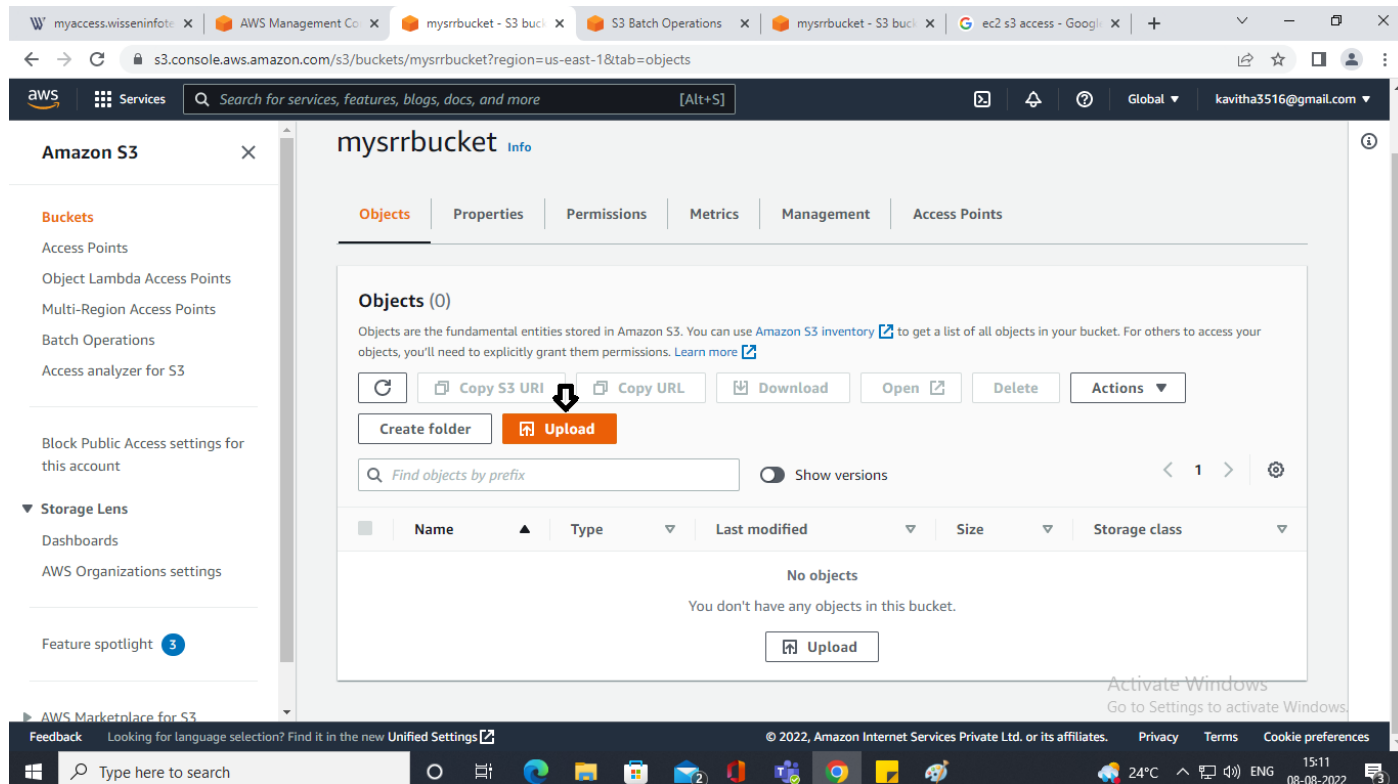
Multi-factor authentication (MFA) delete  
An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

#### 4. Enable and Save Changes.

The screenshot shows the AWS Management Console interface. The browser's address bar displays the URL: `s3.console.aws.amazon.com/s3/bucket/mysrrbucket/property/versioning/edit?region=us-east-1`. The console's left-hand navigation pane is open, showing the 'Amazon S3' section with a list of services including Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, and Access analyzer for S3. The 'Buckets' section is highlighted. The main content area is titled 'Edit Bucket Versioning' and includes a breadcrumb trail: 'Amazon S3 > Buckets > mysrrbucket > Edit Bucket Versioning'. Below the title, there is a 'Bucket Versioning' section with a description: 'Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)'. Below this, there are two radio buttons: 'Suspend' (which is currently selected) and 'Enable'. A description for 'Suspend' states: 'This suspends the creation of object versions for all operations but preserves any existing object versions.' Below the radio buttons, there is a section for 'Multi-factor authentication (MFA) delete' with a description: 'An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)'. At the bottom right of the console, there are 'Cancel' and 'Save changes' buttons. An 'Activate Windows' watermark is visible in the bottom right corner of the console area. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons including Edge, File Explorer, and the Start menu. The system tray on the right shows the date and time as 15:06 on 08-08-2022.

5. Go to Bucket-->choose Bucket and upload a file



myaccess.wisseninfo x AWS Management Co x S3 Management Cons x S3 Batch Operations x mysrbucket - S3 bucl x ec2 s3 access - Googl x +

s3.console.aws.amazon.com/s3/upload/mysrbucket?region=us-east-1

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≡

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.

Files and folders (1 Total, 16.0 B)

Remove Add files Add folder

All files and folders in this table will be uploaded.

Find by name < 1 >

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	kavitha.txt	-	text/plain	16.0 B

Destination

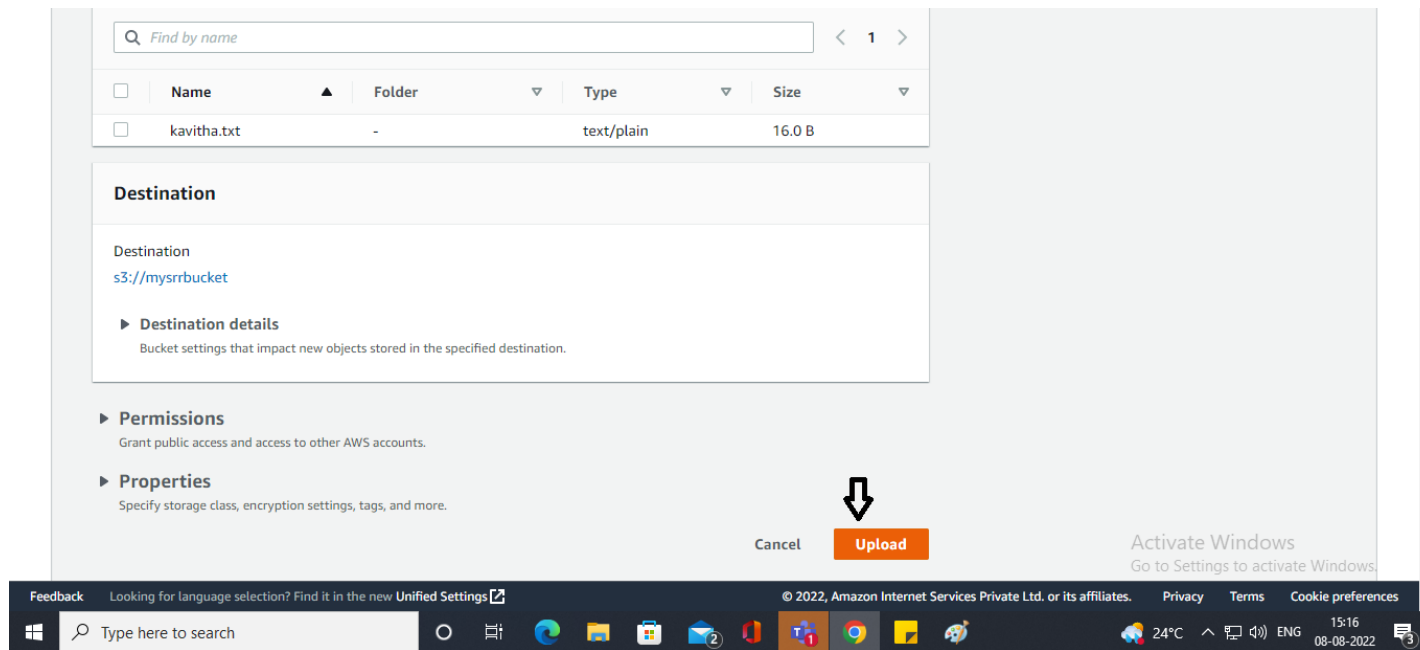
Destination

s3://mysrbucket

► Destination details

Bucket settings that impact new objects stored in the specified destination.

Activate Windows



6. Select file --> choose properties --> click on object actions --> select make public using ACL do public file and take Object URL in new tab open it.

myaccess.wisseninfo: x AWS Management Co x mysrbucket - S3 bucl x S3 Batch Operations x mysrbucket - S3 bucl x ec2 s3 access - Google x +

s3.console.aws.amazon.com/s3/object/mysrbucket?region=us-east-1&prefix=kavitha.txt

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Amazon S3 > Buckets > mysrbucket > kavitha.txt

### kavitha.txt [Info](#)

[Copy S3 URI](#) [Download](#) [Open](#) [Object actions](#)

**Properties** | **Permissions** | **Versions**

#### Object overview

Owner	kavitha3516	S3 URI	<a href="#">s3://mysrbucket/kavitha.txt</a>
AWS Region	US East (N. Virginia) us-east-1	Amazon Resource Name (ARN)	<a href="#">arn:aws:s3:::mysrbucket/kavitha.txt</a>
Last modified	August 8, 2022, 15:17:04 (UTC+05:30)	Entity tag (Etag)	<a href="#">8635789a93b85e18c795afca8900f971</a>
Size	16.0 B	Object URL	<a href="#">https://mysrbucket.s3.amazonaws.com/kavitha.txt</a>
Type	txt		

Download as

Share with a presigned URL

Calculate total size

Copy

Move

Initiate restore

Query with S3 Select

Edit actions

Rename object

Edit storage class

Edit server-side encryption

Edit metadata

Edit tags

Make public using ACL

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Type here to search

24°C 15:19 08-08-2022



myaccess.wisseninfo x AWS Management Co x mysrrbucket - S3 bucl x S3 Batch Operations x mysrrbucket - S3 bucl x ec2 s3 access - Googl x

s3.console.aws.amazon.com/s3/buckets/mysrrbucket/object/edit\_public\_read\_access?region=us-east-1&showversions=false

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Amazon S3 > Buckets > mysrrbucket > Make public

# Make public

The make public action enables public read access in the object access control list (ACL) settings. [Learn more](#)

⚠ When public read access is enabled and not blocked by Block Public Access settings, anyone in the world can access the specified objects.

## Specified objects

Find objects by name

Name	Type	Last modified	Size
kavitha.txt	txt	August 8, 2022, 15:17:04 (UTC+05:30)	16.0 B

Cancel

Make public

Activate Windows  
Go to Settings to activate Windows.

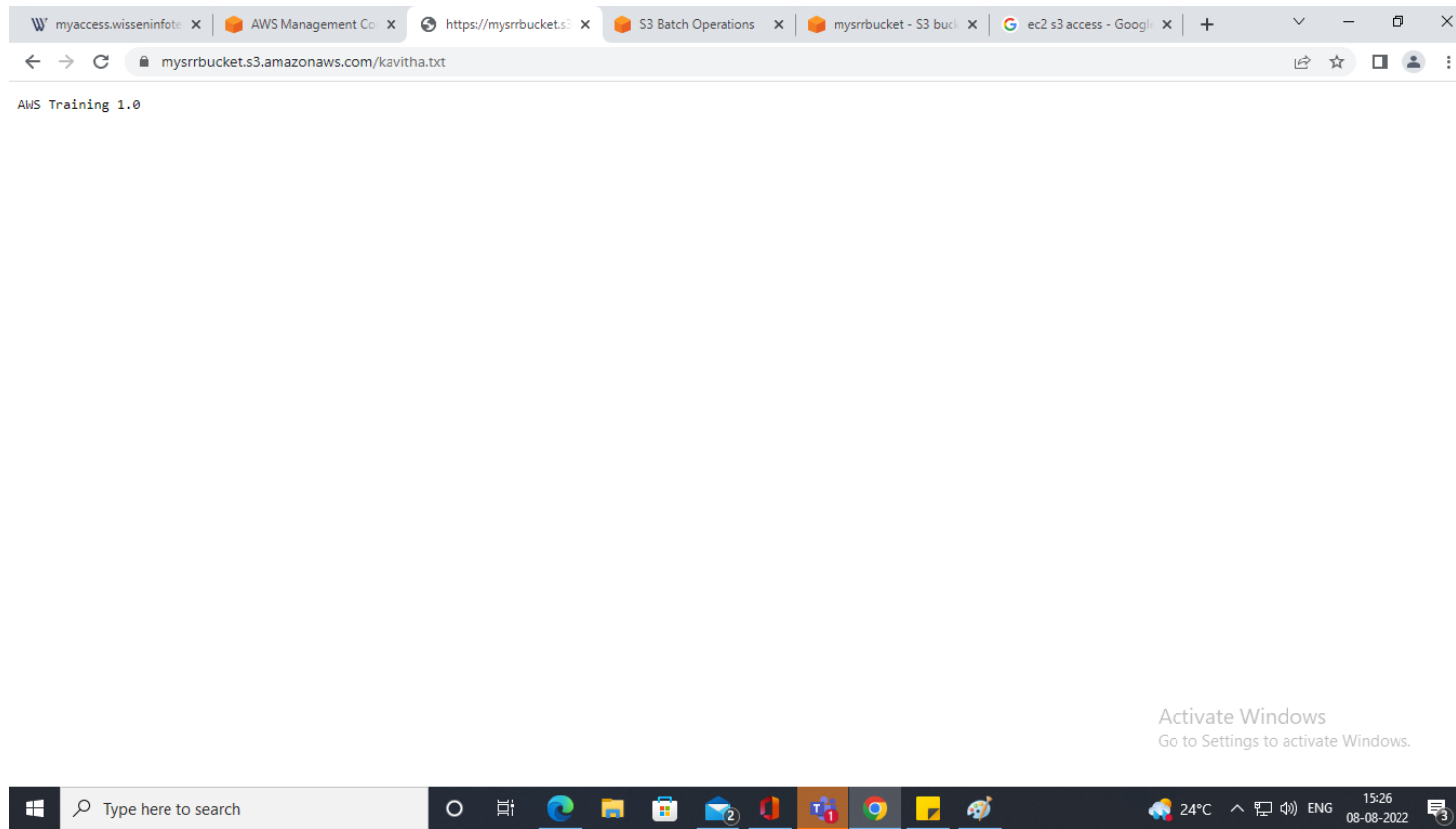
Feedback Looking for language selection? Find it in the new Unified Settings

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Type here to search

15:23  
08-08-2022

24°C ENG



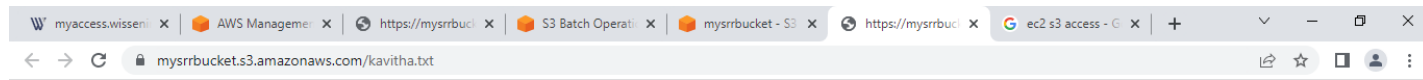
7. Upload same file again with new content. The first file is the latest one and 2<sup>nd</sup> file is the old one. Check time and size of file also.

The screenshot shows the AWS Management Console interface for a bucket named 'mysrrbucket'. The 'Objects' tab is selected, displaying a list of two versions of the file 'kavitha.txt'. The 'Last modified' column for both versions is highlighted with an orange box. The top version, 'Wd1xjDork68O0O\_8Vp6Nq54bb1DF5ZHs', was modified on August 8, 2022, at 15:31:11 (UTC+05:30) and has a size of 34.0 B. The bottom version, 'Af6p7vCrbCyJ6Ts2Flw4YG71gmpcHP25', was modified on August 8, 2022, at 15:17:04 (UTC+05:30) and has a size of 16.0 B. Both are stored in the 'Standard' storage class. The interface includes navigation tabs for Objects, Properties, Permissions, Metrics, Management, and Access Points. A search bar and various action buttons like 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload' are visible. The bottom of the screen shows the Windows taskbar with the search bar and several application icons.

	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	kavitha.txt	txt	Wd1xjDork68O0O_8Vp6Nq54bb1DF5ZHs	August 8, 2022, 15:31:11 (UTC+05:30)	34.0 B	Standard
<input type="checkbox"/>	kavitha.txt	txt	Af6p7vCrbCyJ6Ts2Flw4YG71gmpcHP25	August 8, 2022, 15:17:04 (UTC+05:30)	16.0 B	Standard

8. Now select latest file -->click on objects--> select object action-->make public--> open object URL in new tab.

**Conclusion: Using Bucket Versioning we can store different versions of the same file.**



AWS Training 1.0  
AWS Training 2.0

Activate Windows  
Go to Settings to activate Windows.



