

CLOUDNET ASSIGNMENT DAY-3

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THEORY

a) Before going for cloud computing platform what are the essential things to be taken in concern by users?

Ans) Following are the essential things that must be followed before going for the cloud computing platform:

- Uptime.
- Loss of data.
- Data storage.
- Compliance.
- Business continuity.
- Data integrity in cloud computing.

b) Mention some open source cloud computing platform databases?

Ans) Some open-source cloud computing platform databases are –

- MongoDB – It is a schema-free and document-oriented database. It is written in C++ and provides high storage space.
- CouchDB – A database system based on the Apache server. It is used in data storage.

- LucidDB – It is a Java/C++ database for data warehousing.

c) What are the security laws which are implemented to secure data in a cloud?

Ans) Cloud-based Internet security is an outsourced solution for data storage. Data centers manage these servers to ensure data security. Businesses are turning to cloud storage solutions to solve a variety of issues. Small businesses use the cloud to cut costs

Input validation: essentially controls the data that is transmitted to any system.

Cloud storage involves at least one data server to which a user connects via the Internet. The user sends files manually or automatically via the Internet to the data server which transmits the information to different servers. The stored data is accessible via a web interface.

Safety laws:

1. Audit and optimize.
2. Processing: with reference to checking that the data is adequately and completely processed in an application.
3. File: control of the data placed in any file.
4. Outbound reconciliation: control of the information to be reconciled, input to output.
5. Backup and restore: control of security breaches and management of problems that occurred during the creation of backup copies.

d) Mention the name of some large cloud providers and databases?

Ans) Some examples of large cloud providers and their databases:

1. **Google Big table:** It is a hybrid cloud that consists of a big table that is slit into rows and tables. MapReduce model is used for modifying and generating the data.
2. **Amazon SimpleDB:** It is database-as-a-service (DAAS).It is web service that is used for indexing and querying the data. It allows the storing, processing and creating query on the data set within cloud platform. It has a system that automatically indexes the data.
3. **Cloud based SQL:** It is introduced by Microsoft and it is based on SQL database. It provides data storage be the usage of relational model in the cloud. The data can be accessed from the cloud using client application.

Some cloud Providers and their Services:

- Amazon (Services: EC2, S3, SimpleDB)
- Microsoft (Services: Microsoft Azure compute, Microsoft Azure Storage)
- Oracle (Database -as - a-service)
- Nirvanix (Service: Public, private, Hybrid cloud storage)(Storage-as-a- service)
- IBM (Cloud provider)

e) How user can gain from utility computing?

Ans) Utility computing allows the user to pay only for what they are using. It is a plug-in managed by an organization which decides what type of services has to be deployed from the cloud.

f) Explain the difference between cloud and traditional datacentres?

Ans) Every organization requires a Data Center, irrespective of their size or industry. A Data Center is traditionally a physical facility which companies use to store their information as well as other applications which are integral to their functioning. And while a Data Center is thought to be one thing, in reality, it is often composed of technical equipment depending on what requires to be stored – it can range from routers and security devices to storage systems and application delivery controllers. To keep all the hardware and software updated and running, a Data Center also requires a significant amount of infrastructure. These facilities can include ventilation and cooling systems, uninterruptible power supplies, backup generators, and more.

A cloud Data Center is significantly different from a traditional Data Center. There is nothing similar between these two computing systems other than the fact that they both store data. A cloud Data Center is not physically located in a particular organization's office – it's all online! When your data is stored on cloud servers, it automatically gets fragmented and duplicated across various locations for secure storage. In case there are any failures, your cloud services provider will make sure that there is a backup of your backup as well!

g) Explain the difference between cloud and traditional datacentres?

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h) How important is the platform as a service?

Ans) One of the major benefits of platform as a service (PaaS) is its ability to improve a developer's productivity. PaaS provides direct support for business agility by enabling rapid development with faster and more frequent delivery of functionality. It does this through continuous integration techniques and automatic application deployment. PaaS also enables developers to realize the cloud's broader benefits.

This includes:

- Scalability, including rapid allocation and deallocation of resources with a pay-as-you-use model (noting that the use of individual resources can vary greatly over the life cycle of an application)
- Reduced capital expenditure
- Reduced lead times with on-demand availability of resources
- Self-service with reduced administration costs
- Reduced skill requirements
- Support of team collaboration
- Ability to add new users quickly

i) What is a cloud service?

Ans) The term "cloud services" refers to a wide range of services delivered on demand to companies and customers over the internet. These services are designed to provide easy, affordable access to applications and resources, without the need for internal infrastructure or hardware. From checking email to collaborating on documents, most employees use cloud services throughout the workday, whether they're aware of it or not.

j) List down the three basic clouds in cloud computing?

Ans) Public Cloud

With the public cloud, the infrastructure and services through which you process or store information are maintained off-site via the Internet. As the name alludes to, the infrastructure isn't tailored for one company, but is used by many. Since it's shared, public clouds are cost-effective, efficient ways to share information with others. However, as they are "public," with many people accessing the system, it's easier for data to be compromised.

Many organizations use public clouds when working on collaborative projects with many individuals, such as when code is being tested and developed. While public clouds are great when it comes to easy access and affordability, make sure that you have your security system under control. This type of cloud's public nature makes it susceptible to attack, but can be controlled with heightened security measures such as encryption software.

Private Cloud

With the private cloud, the infrastructure and services through which you process or store information is tailored directly for your organization's needs, and maintained by your organization's private network. As a

result, it can only be accessed by those given permission by your company, ensuring that your data remains secure.

Since a private cloud infrastructure is only used by your company, this cloud is a good choice when you need to make sure that you have complete control over your information, and security of it is of the utmost importance. While the private cloud is the most secure cloud you can use, since it is designed and maintained for your company alone, the costs associated with this option tend to be high.

Hybrid Cloud

When an organization decides to use both public and private clouds, they are actually operating under a hybrid cloud system. Many organizations will put the data they need to remain most secure on the private cloud, and put the rest on a public cloud. This allows the cloud system to adapt to every departments' needs, but can create a headache for those managing the cloud system. They need to make sure that everything remains secure while still being able to communicate.

HANDS-ON

Creating, Delete and Recover resources from a S3 bucket

The screenshot shows the AWS S3 Management Console dashboard. On the left, there's a sidebar with options like Buckets, Access Points, Object Lambda Access Points, Batch Operations, and Access analyzer for S3. The main area has a blue header bar with a message about improving the console. Below it, there's a section titled 'Account snapshot' with a link to 'View Storage Lens dashboard'. The central part shows a table of buckets:

Name	AWS Region	Access	Creation date
elasticbeanstalk-ap-south-1-700575038692	Asia Pacific (Mumbai) ap-south-1	Objects can be public	July 3, 2021, 12:50:05 (UTC+05:30)

The screenshot shows the 'Create bucket' wizard in the AWS S3 Management Console. The top navigation bar includes 'Feedback', 'English (US)', and links to 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'. The main form is titled 'Create bucket' and contains the following fields:

- General configuration**:
 - Bucket name**: tonyxd-bucket1
 - AWS Region**: Asia Pacific (Mumbai) ap-south-1
 - Copy settings from existing bucket - optional**: A note stating "Only the bucket settings in the following configuration are copied." followed by a 'Choose bucket' button.
- Block Public Access settings for this bucket**: A note about public access controls and a 'Learn more' link.

At the bottom, there are 'Feedback', 'English (US)', and links to 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

S3 bucket

s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1

AWS Services ▾

Search for services, features, marketplace products, and docs [Alt+S]

toumovdataTXD Global Support ▾

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Provide feedback

Tags (0) - optional

Track storage cost or other criteria by tagging your bucket. [Learn more](#)

No tags associated with this bucket.

Add tag

Default encryption

Automatically encrypt new objects stored in this bucket. [Learn more](#)

Server-side encryption

Disable

Enable

Advanced settings

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

Cancel Create bucket

Feedback English (US) ▾

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S3 Management Console

s3.console.aws.amazon.com/s3/home?region=ap-south-1

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Provide feedback

Successfully created bucket "tonyxd-bucket1"

To upload files and folders, or to configure additional bucket settings choose [View details](#).

Learn how to effectively use the S3 Storage Classes. Learn more

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

Buckets (2)

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

Find buckets by name

Name	AWS Region	Access	Creation date
elasticbeanstalk-ap-south-1-700575038692	Asia Pacific (Mumbai) ap-south-1	Objects can be public	July 3, 2021, 12:50:05 (UTC+05:30)
tonyxd-bucket1	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	July 4, 2021, 10:07:25 (UTC+05:30)

Feedback English (US) ▾

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Screenshot of the AWS S3 console showing the bucket 'tonyxd-bucket1'. The left sidebar shows navigation links like Buckets, Storage Lens, and Feature spotlight. The main content area displays the 'Objects' tab with a message about improving the console. It shows a search bar, a toolbar with actions like Copy S3 URI, Download, and Upload, and a table header for Name, Type, Last modified, Size, and Storage class. A message states 'No objects' and 'You don't have any objects in this bucket.' A prominent orange 'Upload' button is at the bottom.

Screenshot of the AWS S3 Management Console showing the creation of a new folder named 'tonyXD-folder1' in the bucket 'tonyxd-bucket1'. The left sidebar is identical to the previous screenshot. The main content area includes a warning message about bucket policies blocking folder creation. It has sections for 'Folder' (with a 'Folder name' input field containing 'tonyXD-folder1') and 'Server-side encryption' (with a note that settings apply only to the new folder object). At the bottom, there are 'Cancel' and 'Create folder' buttons.

tonyxd-bucket1 - S3 bucket

s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1?region=ap-south-1&tab=objects

Amazon S3 Services Search for services, features, marketplace products, and docs [Alt+S]

Buckets

Access Points Object Lambda Access Points Batch Operations Access analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

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Successfully created folder "tonyXD-folder"
Operation successfully completed.

Amazon S3 > tonyxd-bucket1

tonyxd-bucket1

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Find objects by prefix

Name	Type	Last modified	Size	Storage class
tonyXD-folder/	Folder	-	-	-

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tonyxd-bucket1 - S3 bucket

s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1?region=ap-south-1&prefix=tonyXD-folder/&showversions=false

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Buckets

Access Points Object Lambda Access Points Batch Operations Access analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Amazon S3 > tonyxd-bucket1 > tonyXD-folder/

tonyXD-folder/

Copy S3 URI

Objects (0)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Find objects by prefix

Name	Type	Last modified	Size	Storage class
No objects				

You don't have any objects in this folder.

Upload

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S3 Management Console

Services ▾

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Provide feedback

Amazon S3 > tonyxd-bucket1 > tonyXD-folder/ > Upload

Upload

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 (0)

All files and folders in this table will be uploaded.

Find by name

Name	Type	Size
No files or folders		

You have not chosen any files or folders to upload.

Destination

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Open

This PC > Desktop >

Search Desktop

Organize New folder

Name	Date modified	Type	Size
Devesh	22-06-2021 20:01	Microsoft Edge PD...	1
Discord	26-05-2021 07:22	Shortcut	
French Language [CT-2] (Even Semester)	23-06-2021 10:52	Microsoft Edge PD...	5
hp-black	14-06-2021 11:20	JPG File	1
HP-BLACK2	14-06-2021 11:41	JPG File	1
im-black	14-06-2021 11:19	JPG File	1
lab programs 1.7.21	01-07-2021 21:04	Microsoft Edge PD...	3.0
lookup links sem-2	[Item type: JPG File Date taken: 14-06-2021 11:19] 2021 10:05	Text Document	
Microsoft Teams	Dimensions: 1087 x 500 [Dimensions: 1087 x 500 Date taken: 14-06-2021 11:19] 2021 20:27	Shortcut	
Office	Size: 106 KB [Size: 106 KB Date taken: 14-06-2021 11:19] 2020 13:00	Shortcut	
RA2011030030053.tounovData-CSE-D...	01-07-2021 20:53	Microsoft Edge PD...	3.0

File name: All files Open Cancel Add folder

All files and folders in this table will be uploaded.

Find by name

Name	Type	Size
No files or folders		

You have not chosen any files or folders to upload.

Destination

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S3 Management Console x

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1&prefix=tonyXD-folder/

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

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Amazon S3 > tonyxd-bucket1 > tonyXD-folder/ > Upload

Upload

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, 7.8 KB)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	CSI.jpeg	-	image/jpeg	7.8 KB

Destination

Destination
s3://tonyxd-bucket1/tonyXD-folder/

▶ **Destination details**
Bucket settings that impact new objects stored in the specified destination.

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S3 Management Console x

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1&prefix=tonyXD-folder/

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Drag and drop files and folders you want to upload here, or choose [Add files](#), or [Add folders](#).

Files and folders (1 Total, 7.8 KB)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	CSI.jpeg	-	image/jpeg	7.8 KB

Destination

Destination
s3://tonyxd-bucket1/tonyXD-folder/

▶ **Destination details**
Bucket settings that impact new objects stored in the specified destination.

▶ **Permissions**
Grant public access and access to other AWS accounts.

▶ **Properties**
Specify storage class, encryption settings, tags, and more.

[Cancel](#) [Upload](#)

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S3 Management Console

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1&prefix=tonyXD-folder/

Services ▾

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Upload succeeded View details below.

Upload: status

The information below will no longer be available after you navigate away from this page.

Summary

Destination	Succeeded	Failed
s3://tonyxd-bucket1/tonyXD-folder/	1 file, 7.8 KB (100.00%)	0 files, 0 B (0%)

Files and folders Configuration

Files and folders (1 Total, 7.8 KB)

Name	Folder	Type	Size	Status	Error
CSI.jpeg	-	image/jpeg	7.8 KB	Successed	-

Feedback English (US) ▾

S3 Management Console tonyxd-bucket1 - S3 bucket

s3.console.aws.amazon.com/s3/object/tonyxd-bucket1?region=ap-south-1&prefix=tonyXD-folder/CSI.jpeg

Services ▾

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Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Properties Permissions Versions

CSI.jpeg

Copy S3 URI Download Open Object actions

Properties

Object overview

Owner	S3 URI
AWS Region	s3://tonyxd-bucket1/tonyXD-folder/CSI.jpeg
Asia Pacific (Mumbai) ap-south-1	
Last modified	Entity tag (Etag)
July 4, 2021, 10:18:26 (UTC+05:30)	48b72b9669f897e34613e91b0686d57a
Size	Object URL
7.8 KB	https://tonyxd-bucket1.s3.ap-south-1.amazonaws.com/tonyXD-folder/CSI.jpeg
Type	
jpeg	
Key	
tonyXD-folder/CSI.jpeg	

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S3 Management Console tonyxd-bucket1 - S3 bucket

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Buckets Access Points Object Lambda Access Points Batch Operations Access analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Amazon S3 > tonyxd-bucket1 > tonyXD-folder > CSI.jpeg

Properties Permissions Versions

Access control list (ACL) Edit

Grant basic read/write permissions to AWS accounts. Learn more

Grantee	Object	Object ACL
Object owner (your AWS account) Canonical ID: 1521de2571952605ffa228504d52539a5f64557bed0b4d0695f8e6656372507	Read	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	-	-

https://s3.console.aws.amazon.com/s3/#

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S3 Management Console tonyxd-bucket1 - S3 bucket

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Amazon S3 > tonyxd-bucket1 > tonyXD-folder > CSI.jpeg > Edit access control list

Edit access control list

Public access is blocked because Block Public Access settings are turned on for this bucket To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about using Amazon S3 Block Public Access

Access control list (ACL)

Grant basic read/write permissions to AWS accounts. Learn more

Grantee	Objects	Object ACL
Object owner (your AWS account) Canonical ID: 1521de2571952605ffa228504d52539a5f64557bed0b4d0695f8e6656372507	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	<input type="checkbox"/> Read <input type="checkbox"/> Write	-
Authenticated users group (anyone with an AWS account)	<input type="checkbox"/> Read <input type="checkbox"/> Write	-

S3 Management Console tonyxd-bucket1 - S3 bucket +

s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1?region=ap-south-1&tab=objects

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Amazon S3 > tonyxd-bucket1

tonyxd-bucket1

Objects Properties Permissions Metrics Management Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Actions Create folder Upload

Find objects by prefix

Name	Type	Last modified	Size	Storage class
tonyXD-folder/	Folder	-	-	-

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S3 Management Console tonyxd-bucket1 - S3 bucket +

s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1?region=ap-south-1&tab=permissions

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Amazon S3 > tonyxd-bucket1

tonyxd-bucket1

Objects Properties Permissions Metrics Management Access Points

Permissions overview

Access Bucket and objects not public

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 On

Block public access to buckets and objects granted through new access control lists (ACLs) On

<https://s3.console.aws.amazon.com/s3/#>

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S3 Management Console tonyxd-bucket1 - S3 bucket

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Edit Block public access (bucket settings)

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.

[Feedback](#) [English \(US\) ▾](#)

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Cancel [Save changes](#)

S3 Management Console tonyxd-bucket1 - S3 bucket

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Edit Block public access (bucket settings)

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 settings for this bucket will affect this bucket and all objects within. This may result in some objects becoming public.

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

[Cancel](#) [Confirm](#)

[Feedback](#) [English \(US\) ▾](#)

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Cancel [Save changes](#)

Screenshot of the AWS S3 Management Console showing the permissions settings for the 'tonyxd-bucket1' bucket.

Permissions overview

Access: Objects can be public

Block public access (bucket settings)

Block all public access: Off

Feedback English (US) ▾

Buckets

- Access Points
- Object Lambda Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

▼ Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

https://s3.console.aws.amazon.com/s3/#

S3 Management Console tonyxd-bucket1 - S3 bucket

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Amazon S3 > tonyxd-bucket1 > tonyXD-folder/ > CS1.jpeg > Edit access control list

Edit access control list

Access control list (ACL)

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

Grantee	Objects	Object ACL
Object owner (your AWS account)	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write	
Canonical ID: 1521de2571 952605fea228504d52539a5f6 4557bed0b4d0695fb666565372 507		
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	<input checked="" type="checkbox"/> Read <input type="checkbox"/> Write	
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	<input type="checkbox"/> Read <input type="checkbox"/> Write	

Feedback English (US) ▾

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s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1/object/edit_acl?region=ap-south-1&prefix=tonyXD-folder/CS1.jpeg

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#).

(anyone with an AWS account)
Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers

When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access this object.
[Learn more](#)

I understand the effects of these changes on this object.

Access for other AWS accounts

No other AWS accounts associated with the resource.

Add grantee

Specified objects

Name	Type	Last modified	Size
CS1.jpeg	jpeg	July 4, 2021, 10:18:26 (UTC+05:30)	7.8 KB

Cancel **Save changes**

Feedback English (US) ▾

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S3 Management Console tonyxd-bucket1 - S3 bucket

s3.console.aws.amazon.com/s3/object?tonyxd-bucket1?region=ap-south-1&prefix=tonyXD-folder/CSI.jpeg

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Successfully edited access control list for object "tonyXD-folder/CSI.jpeg".

Provide feedback X

Amazon S3 > tonyxd-bucket1 > tonyXD-folder/ > CSI.jpeg

CSI.jpeg

Copy S3 URI Download Open Object actions ▾

Properties Permissions Versions

Object overview

Owner	S3 URI
AWS Region	s3://tonyxd-bucket1/tonyXD-folder/CSI.jpeg
Asia Pacific (Mumbai) ap-south-1	Amazon Resource Name (ARN)
Last modified	arn:aws:s3:::tonyxd-bucket1/tonyXD-folder/CSI.jpeg
July 4, 2021, 10:18:26 (UTC+05:30)	Entity tag (Etag)
Size	48b72b9669f897e34613e91b0686d37a
7.8 KB	Object URL
Type	https://tonyxd-bucket1.s3.ap-south-1.amazonaws.com/tonyXD-folder/CSI.jpeg
jpeg	
Key	

Feedback English (US) ▾

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CSI.jpeg (200×200)



S3 Management Console S3 Management Console

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Amazon S3 > tonyxd-bucket1 > Upload

Upload

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, 7.8 KB)

All files and folders in this table will be uploaded.

Name	Type	Size
CSI.jpeg	image/jpeg	7.8 KB

Destination

Destination
s3://tonyxd-bucket1

▶ Destination details

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

Feedback English (US) ▾

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We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Access control list (ACL)

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

ⓘ AWS recommends using S3 bucket policies or IAM policies for access control. [Learn more](#)

Access control list (ACL)

Choose from predefined ACLs

Specify individual ACL permissions

Predefined ACLs

Private (recommended)
Only the object owner will have read and write access.

Grant public-read access
Anyone in the world will be able to access the specified objects. The object owner will have read and write access. [Learn more](#)

⚠️ Granting public-read access is not recommended
Anyone in the world will be able to access the specified objects. [Learn more](#)

I understand the risk of granting public-read access to the specified objects.

▶ Properties

Specify storage class, encryption settings, tags, and more.

Cancel **Upload**

Feedback English (US) ▾

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S3 Management Console S3 Management Console

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

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Upload succeeded View details below.

Upload: status Close

The information below will no longer be available after you navigate away from this page.

Summary

Destination	Succeeded	Failed
s3://tonyxd-bucket1	1 file, 7.8 KB (100.00%)	0 files, 0 B (0%)

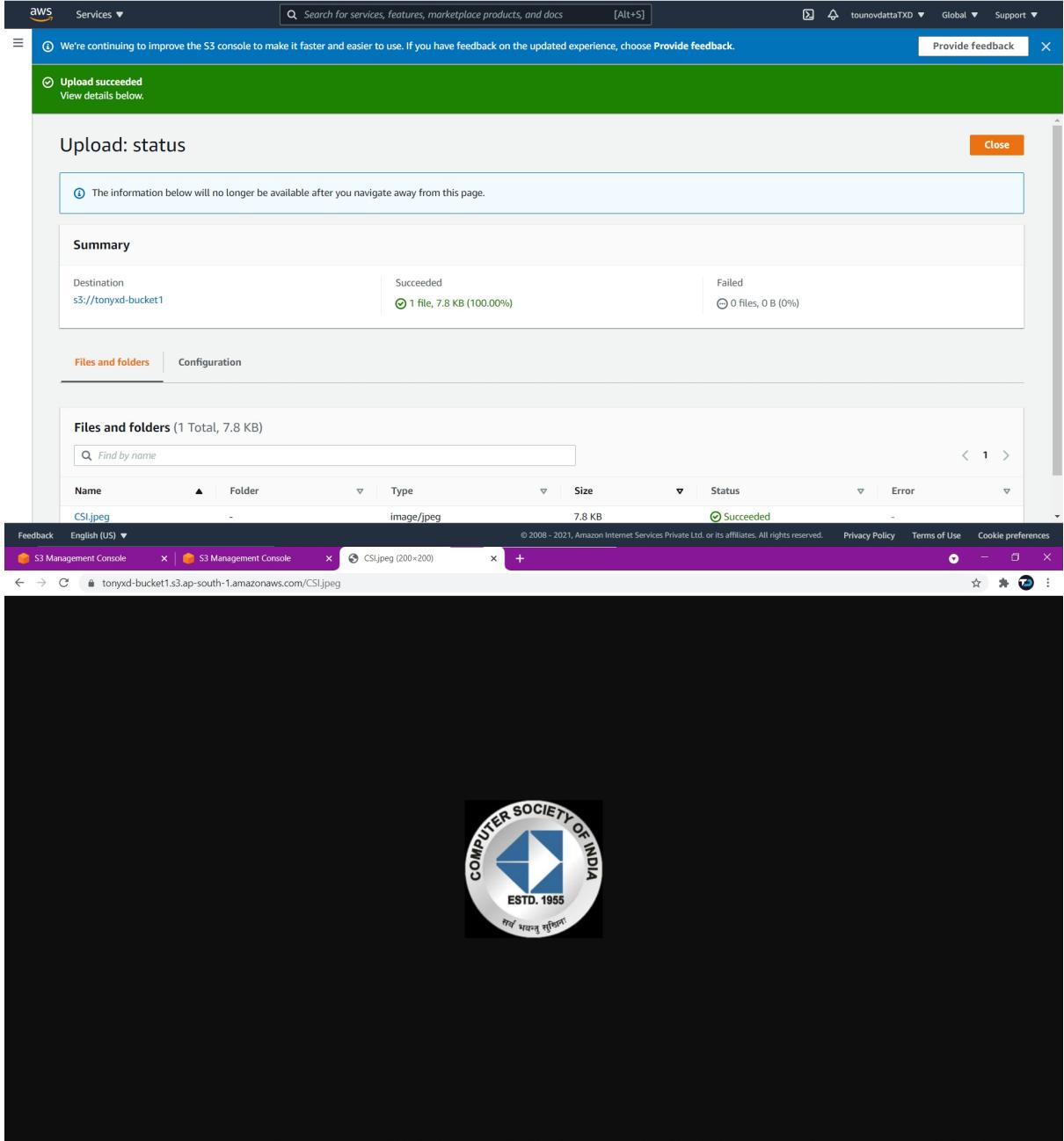
Files and folders Configuration

Files and folders (1 Total, 7.8 KB)

Name	Folder	Type	Size	Status	Error
CS1.jpeg	-	image/jpeg	7.8 KB	Successed	-

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tonyxd-bucket1.s3.ap-south-1.amazonaws.com/CS1.jpeg



S3 tonyxd-bucket1 - S3 bucket x

s3.console.aws.amazon.com/s3/buckettonyxd-bucket1/property/versioning/edit?region=ap-south-1

Services ▾

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Amazon S3 > tonyxd-bucket1 > Edit Bucket Versioning

Edit Bucket Versioning

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

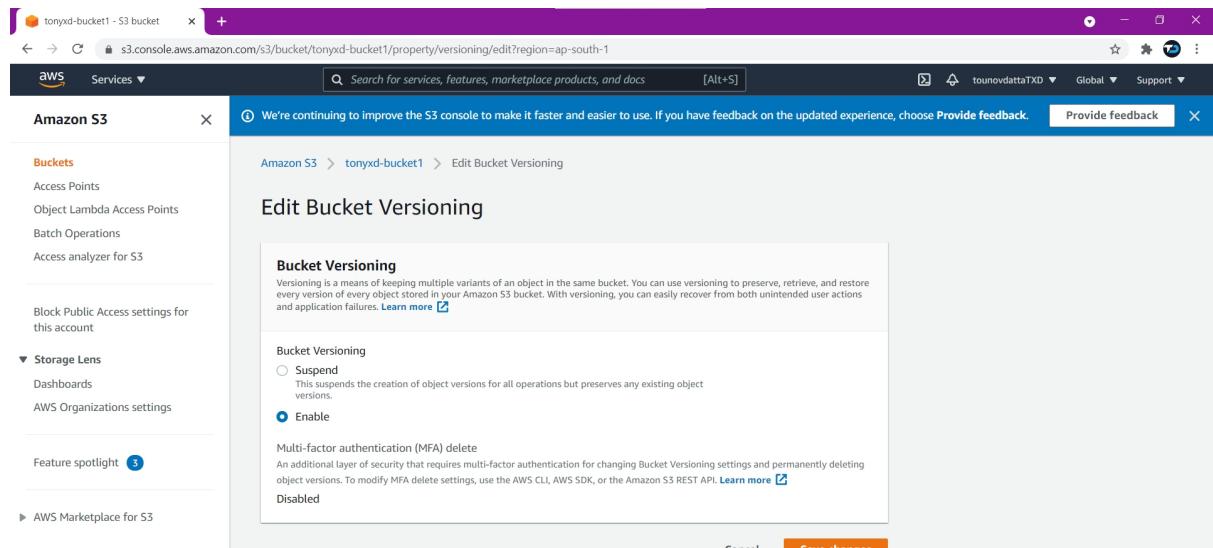
Suspend
This suspends the creation of object versions for all operations but preserves any existing object versions.

Enable

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

Cancel Save changes



Feedback English (US) ▾ x

s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1?region=ap-south-1&tab=properties

Services ▾

Amazon S3

Buckets

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Object Lambda Access Points

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Feature spotlight 3

AWS Marketplace for S3

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Successfully edited Bucket Versioning
To transition, archive, or delete older object versions, configure lifecycle rules for this bucket.

Bucket overview

AWS Region	Amazon Resource Name (ARN)	Creation date
Asia Pacific (Mumbai) ap-south-1	arn:aws:s3:::tonyxd-bucket1	July 4, 2021, 10:07:25 (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

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

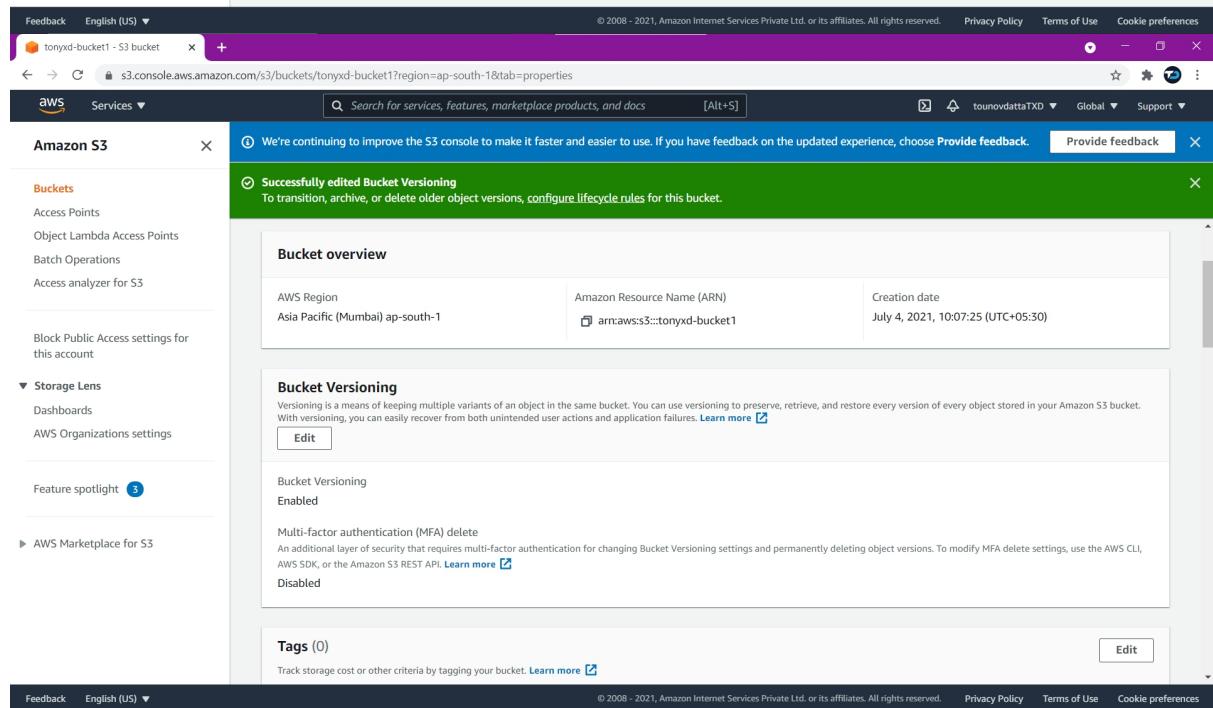
Tags (0)

Track storage cost or other criteria by tagging your bucket. [Learn more](#)

Edit

Feedback English (US) ▾

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S3 Management Console x

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Amazon S3 > tonyxd-bucket1 > Upload

Upload

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, 9.1 KB)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	csi.jpg	-	image/jpeg	9.1 KB

Destination

Destination
s3://tonyxd-bucket1

▶ Destination details

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

Feedback English (US) ▾

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Access control list (ACL)

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ⓘ AWS recommends using S3 bucket policies or IAM policies for access control. [Learn more](#)

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⚠️ Granting public-read access is not recommended
Anyone in the world will be able to access the specified objects. [Learn more](#)

I understand the risk of granting public-read access to the specified objects.

▶ Properties

Specify storage class, encryption settings, tags, and more.

Cancel Upload

Feedback English (US) ▾

S3 Management Console

s3.console.aws.amazon.com/s3/upload/tonyxd-bucket1?region=ap-south-1

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Upload succeeded

The information below will no longer be available after you navigate away from this page.

Summary

Destination	Succeeded	Failed
s3://tonyxd-bucket1	1 file, 9.1 KB (100.00%)	0 files, 0 B (0%)

Files and folders (1 Total, 9.1 KB)

Name	Type	Size	Status	Error
csi.jpg	image/jpeg	9.1 KB	Succeeded	-

Feedback English (US) ▾

tonyxd-bucket1 - S3 bucket

s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1?region=ap-south-1&tab=objects&showversions=true

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Amazon S3 > tonyxd-bucket1

tonyxd-bucket1

Objects Properties Permissions Metrics Management Access Points

Objects (5)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Name	Type	Version ID	Last modified	Size	Storage class
CSI.jpeg	jpeg	null	July 4, 2021, 10:34:20 (UTC+05:30)	7.8 KB	Standard
csi.jpg	Delete marker	33Rvyfbu07vd9LV6R8QzVg8AHevEHLqv	July 4, 2021, 23:50:48 (UTC+05:30)	0 B	-
csi.jpg	jpg	ENZypQpfBLtvQChvFzSpx8GkZpE7OPlv	July 4, 2021, 23:50:04 (UTC+05:30)	9.1 KB	Standard
CSI.jpg	jpg	oNoQu4VljWeYo_aGTMpFyuJ2VJYTLUca	July 4, 2021, 23:51:51 (UTC+05:30)	9.1 KB	Standard
tonyXD-folder/	Folder	-	-	-	-

Feedback English (US) ▾

S tonyxd-bucket1 - S3 bucket +

s3.console.aws.amazon.com/s3/buckets/tonyxd-bucket1?region=ap-south-1&tab=objects&showversions=true

Services ▾ Search for services, features, marketplace products, and docs [Alt+S]

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.

Provide feedback X

Amazon S3 > tonyxd-bucket1

tonyxd-bucket1

Objects Properties Permissions Metrics Management Access Points

Objects (5)

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Name	Type	Version ID	Last modified	Size	Storage class
CSI.jpeg	jpeg	null	July 4, 2021, 10:34:20 (UTC+05:30)	7.8 KB	Standard
csi.jpg	Delete marker	33RvYfbu07vd9LV6R8QzVg8AHevEHLqv	July 4, 2021, 23:50:48 (UTC+05:30)	0 B	-
<input checked="" type="checkbox"/> csi.jpg	jpg	ENZypQpFBtvQChvFzSp8GkZpE7OPlv	July 4, 2021, 23:50:04 (UTC+05:30)	9.1 KB	Standard
CSI.jpg	jpg	oNoQu4VljWeYo_aGTMpFyuJ2VJYTLUca	July 4, 2021, 23:51:51 (UTC+05:30)	9.1 KB	Standard
tonyXD-folder/	Folder	-	-	-	-

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X

Photos - csi.jpg

