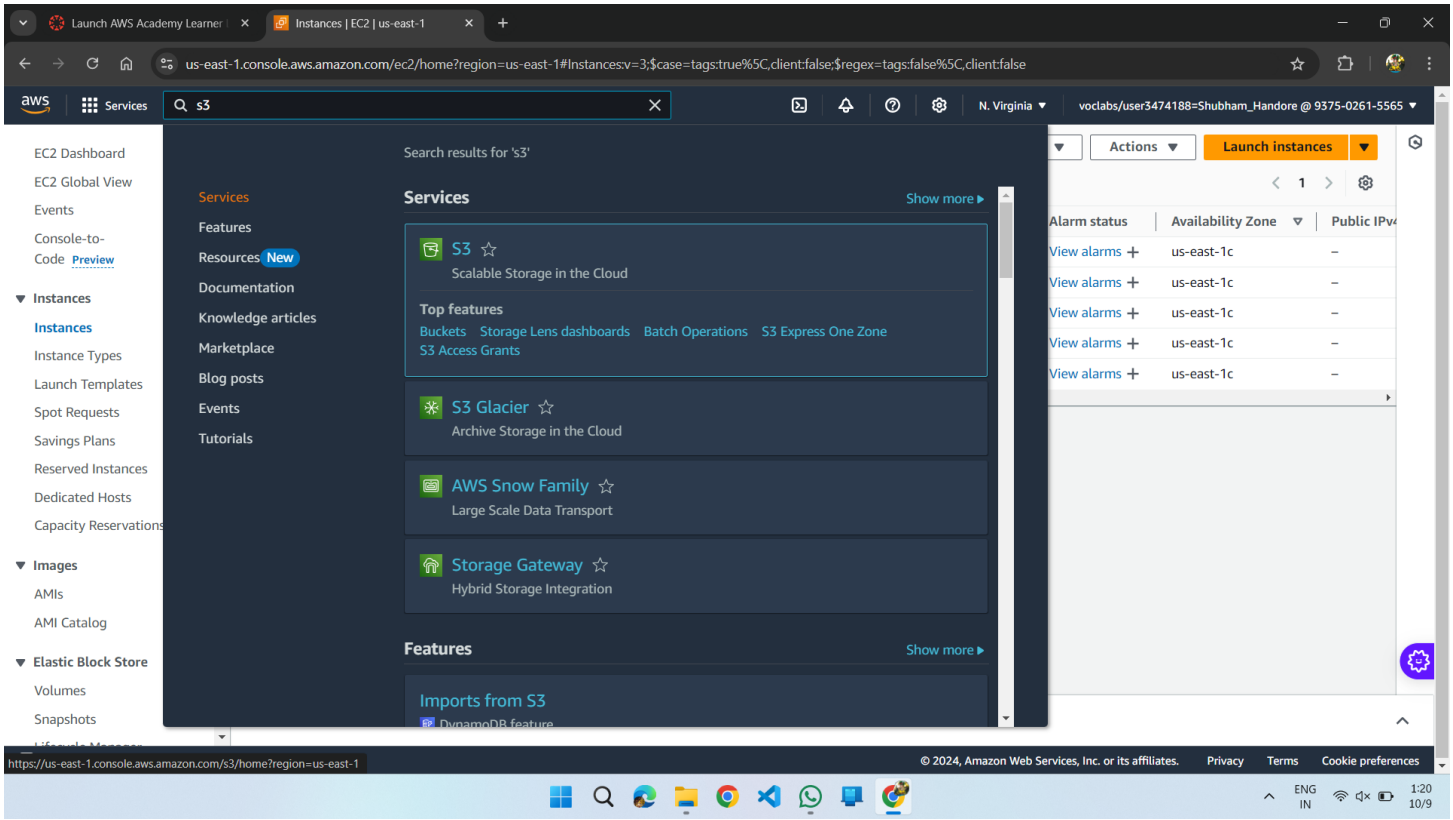
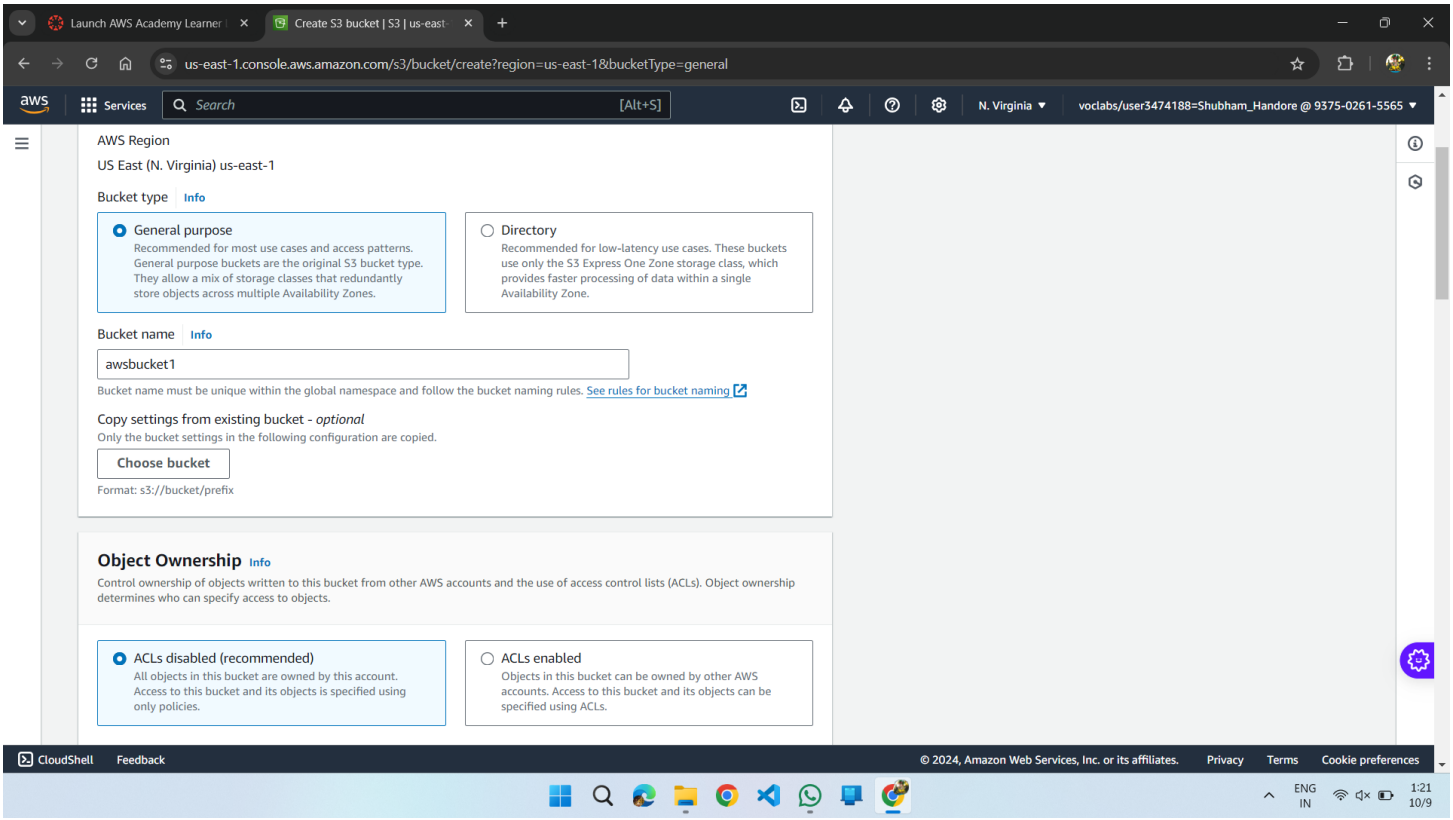
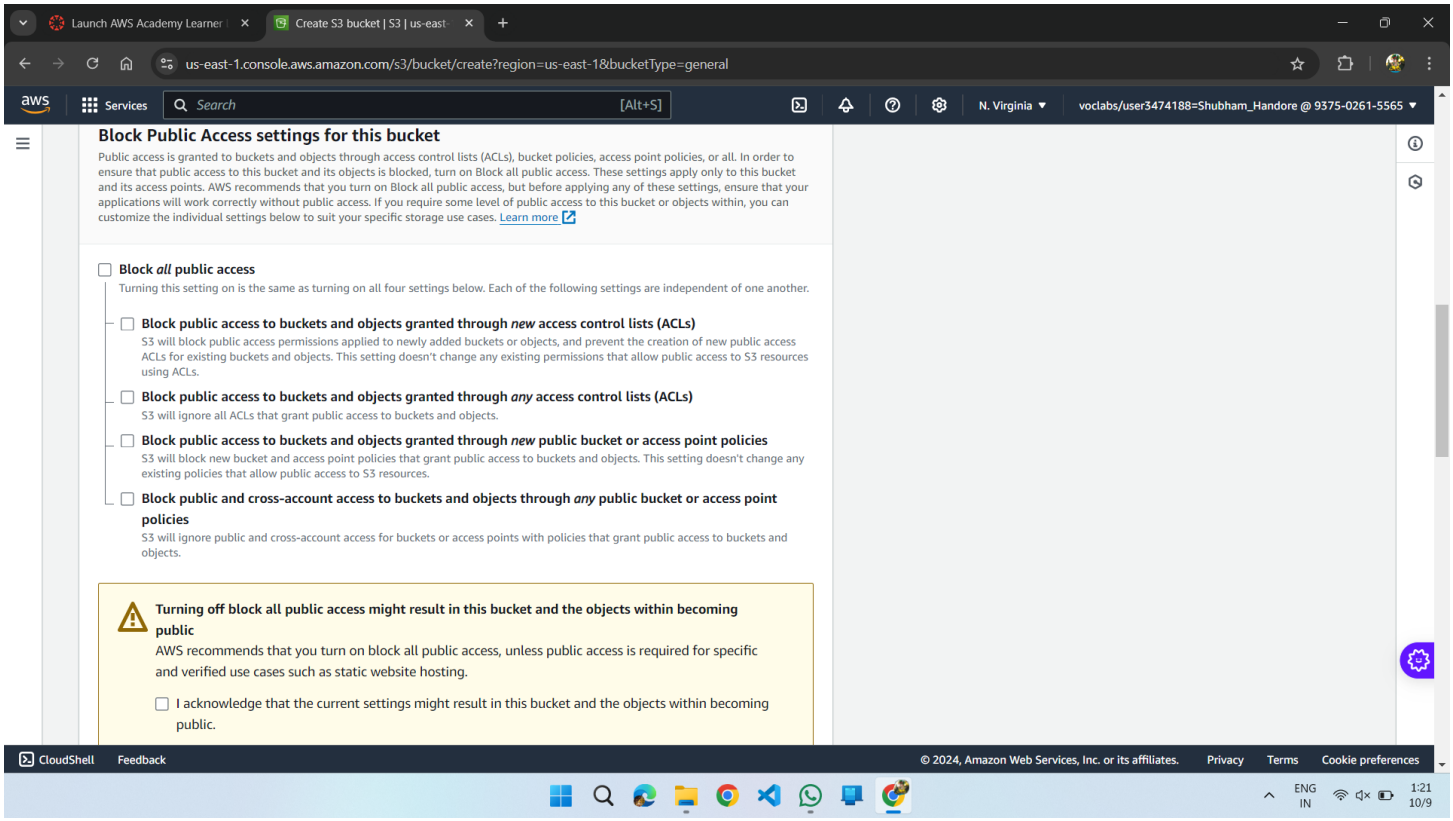
Cloud Computing Assignment 7

Launch EC2 instance (Linux) – AWS Platform

Practical Implementation of Storage as a service Create an S3 Bucket, Upload a file to S3 Bucket, Retrieve a File from S3 Bucket, Delete a File From S3 Bucket using AWS






Launch AWS Academy Learner
Create S3 bucket | S3 | us-east-
us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Block Public Access settings for this bucket
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.
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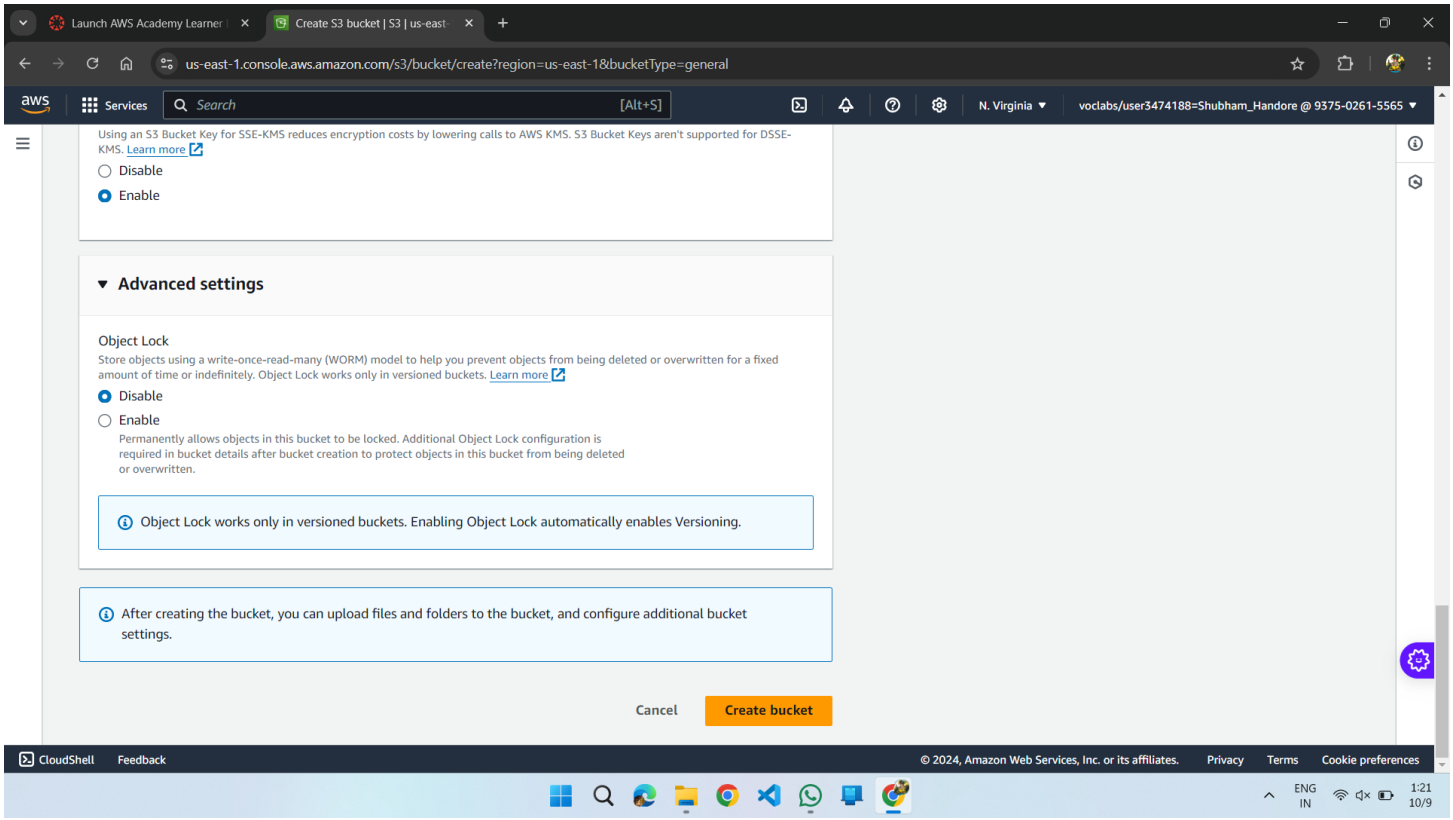
Launch AWS Academy Learner
Create S3 bucket | S3 | us-east-
us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. Learn more
Disable
Enable
Advanced settings
Object Lock
Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. Object Lock works only in versioned buckets. Learn more
Disable
Enable
Permanently allows objects in this bucket to be locked. Additional Object Lock configuration is required in bucket details after bucket creation to protect objects in this bucket from being deleted or overwritten.
Object Lock works only in versioned buckets. Enabling Object Lock automatically enables Versioning.
After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.
Cancel
Create bucket
CloudShell
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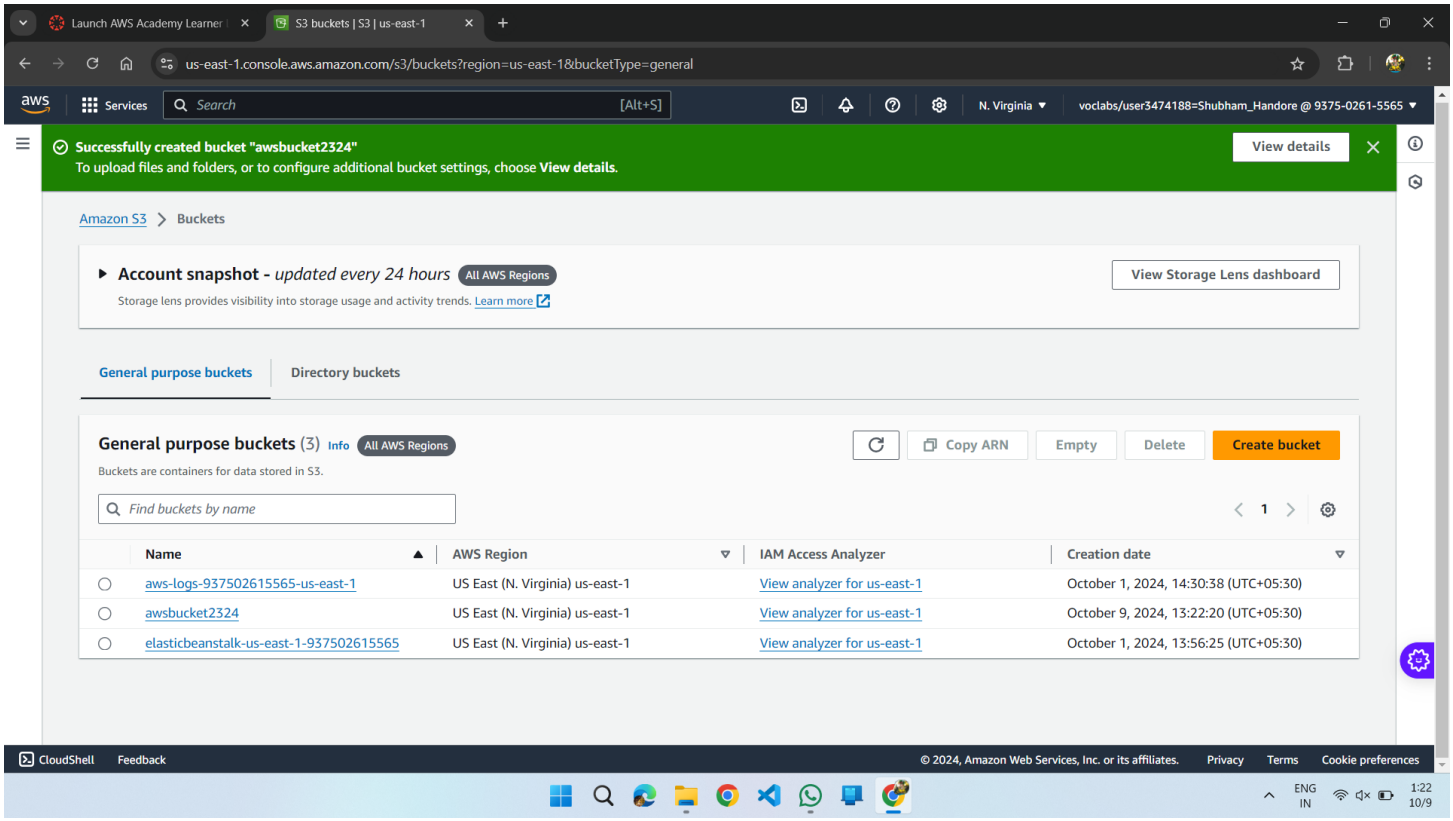
Launch AWS Academy Learner
S3 buckets | S3 | us-east-1
us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Successfully created bucket "awsbucket2324"
To upload files and folders, or to configure additional bucket settings, choose View details.
View details
Amazon S3 > Buckets
Account snapshot - updated every 24 hours
All AWS Regions
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
General purpose buckets
Directory buckets
General purpose buckets (3) Info
All AWS Regions
Buckets are containers for data stored in S3.
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
IAM Access Analyzer
Creation date
aws-logs-937502615565-us-east-1
US East (N. Virginia) us-east-1
View analyzer for us-east-1
October 1, 2024, 14:30:38 (UTC+05:30)
awsbucket2324
US East (N. Virginia) us-east-1
View analyzer for us-east-1
October 9, 2024, 13:22:20 (UTC+05:30)
elasticbeanstalk-us-east-1-937502615565
US East (N. Virginia) us-east-1
View analyzer for us-east-1
October 1, 2024, 13:56:25 (UTC+05:30)
CloudShell
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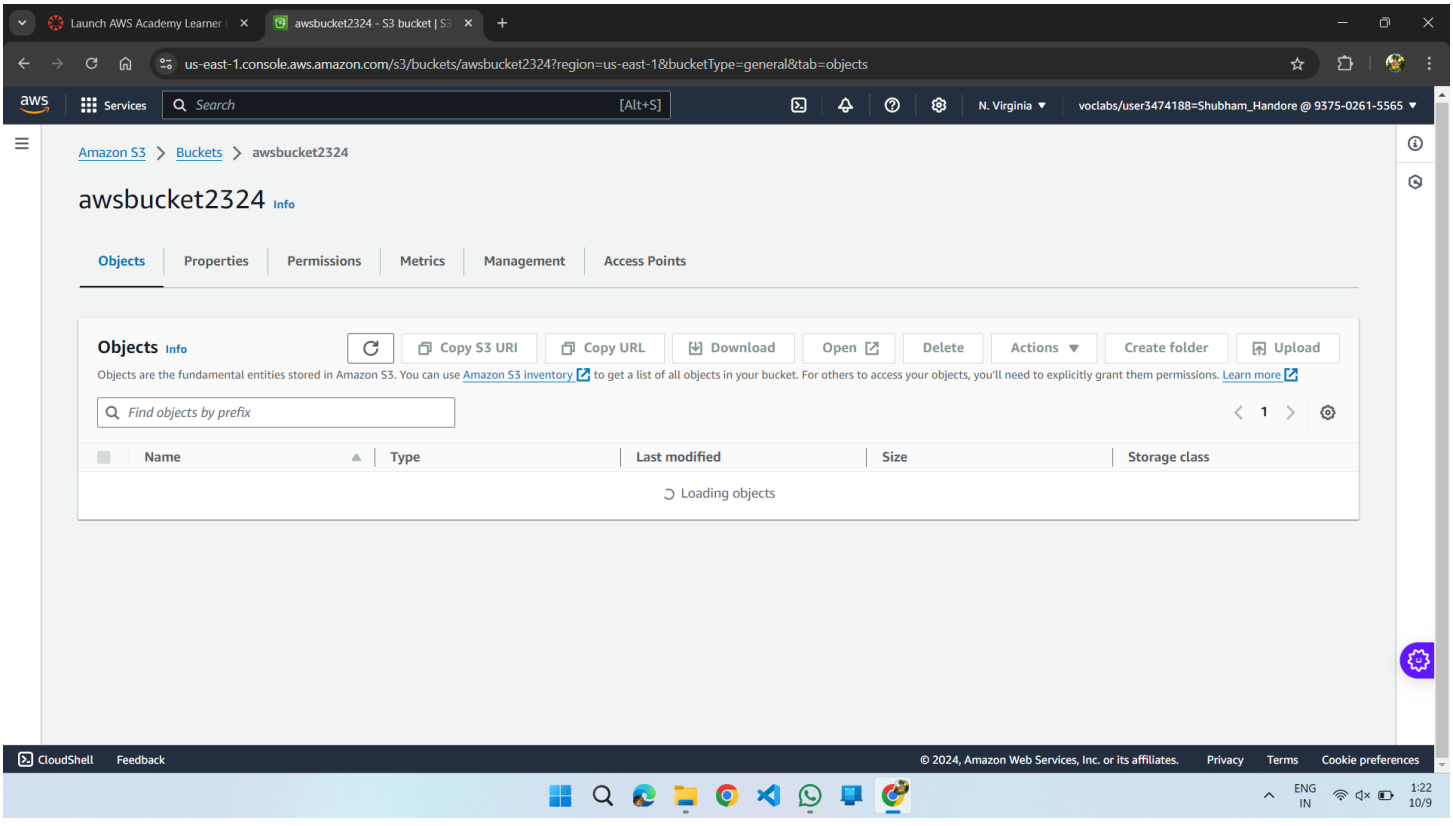
Launch AWS Academy Learner
awsbucket2324 - S3 bucket | S3
us-east-1.console.aws.amazon.com/s3/buckets/awsbucket2324?region=us-east-1&bucketType=general&tab=objects
Services
Search
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N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Amazon S3 > Buckets > awsbucket2324
awsbucket2324 Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects Info
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
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
Find objects by prefix
Name
Type
Last modified
Size
Storage class
Loading objects
CloudShell
Feedback
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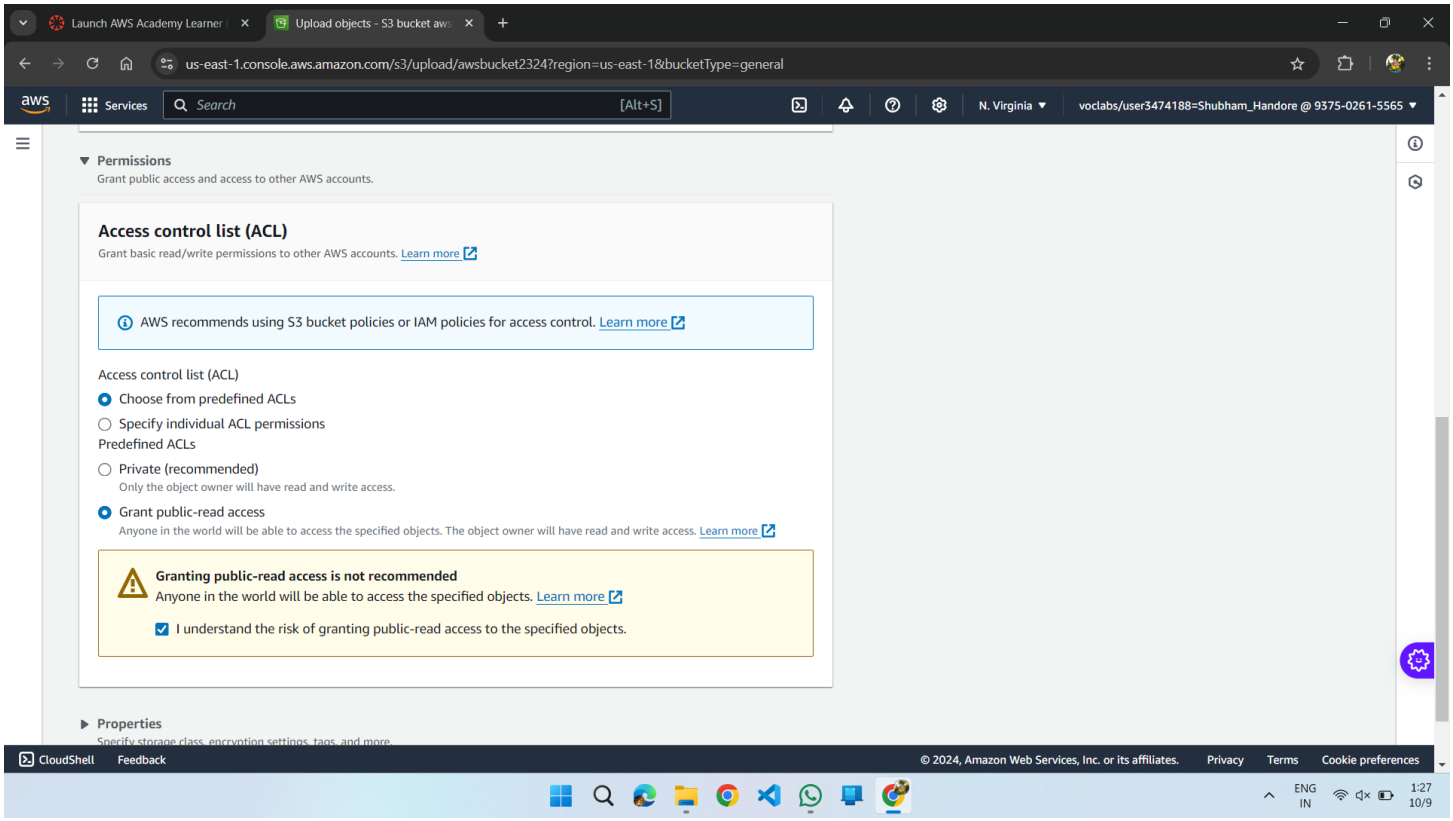
Launch AWS Academy Learner
Upload objects - S3 bucket aws
us-east-1.console.aws.amazon.com/s3/upload/awsbucket2324?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Permissions
Grant public access and access to other AWS accounts.
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.
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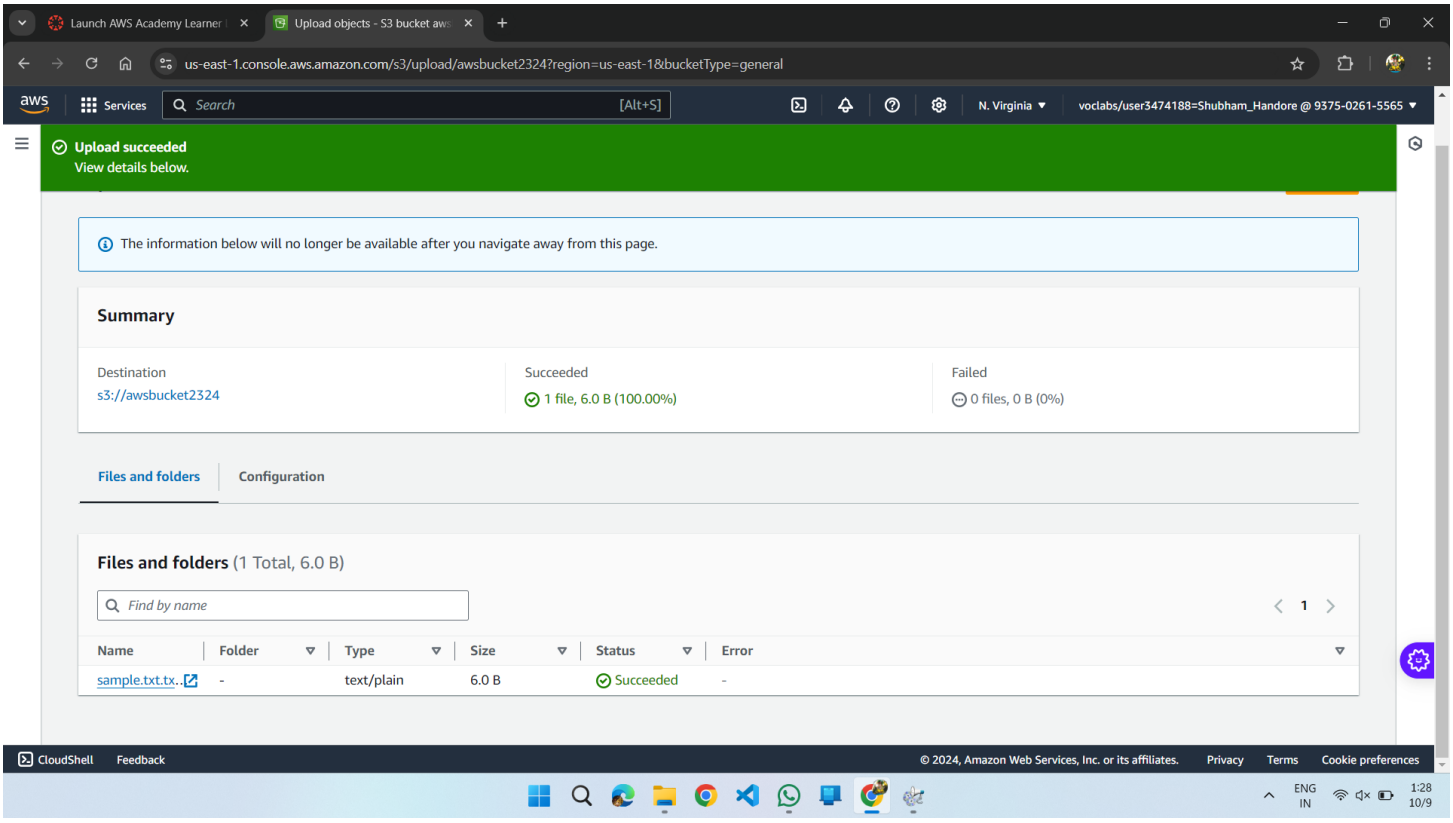
Launch AWS Academy Learner
Upload objects - S3 bucket aws
us-east-1.console.aws.amazon.com/s3/upload/awsbucket2324?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Upload succeeded
View details below.
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://awsbucket2324
Succeeded
1 file, 6.0 B (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 Total, 6.0 B)
Find by name
1
Name
Folder
Type
Size
Status
Error
sample.txt.tx..
-
text/plain
6.0 B
Succeeded
-
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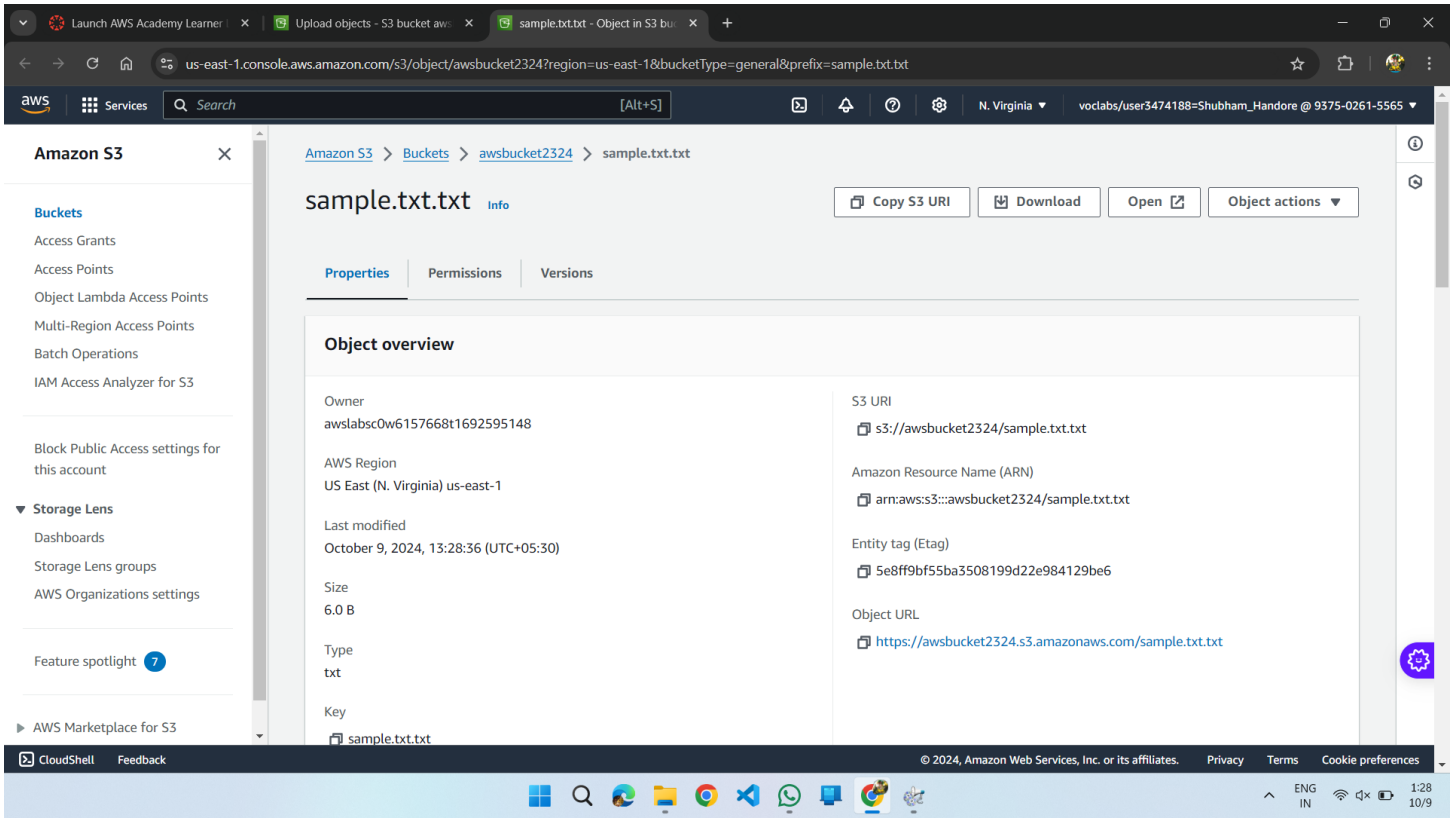
Launch AWS Academy Learner
Upload objects - S3 bucket aws
sample.txt.txt - Object in S3 buc
us-east-1.console.aws.amazon.com/s3/object/awsbucket2324?region=us-east-1&bucketType=general&prefix=sample.txt.txt
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Amazon S3
Buckets
Access Grants
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
Storage Lens groups
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
Amazon S3 > Buckets > awsbucket2324 > sample.txt.txt
sample.txt.txt Info
Copy S3 URI
Download
Open
Object actions
Properties
Permissions
Versions
Object overview
Owner
awslabsc0w6157668t1692595148
AWS Region
US East (N. Virginia) us-east-1
Last modified
October 9, 2024, 13:28:36 (UTC+05:30)
Size
6.0 B
Type
txt
Key
sample.txt.txt
S3 URI
s3://awsbucket2324/sample.txt.txt
Amazon Resource Name (ARN)
arn:aws:s3:::awsbucket2324/sample.txt.txt
Entity tag (Etag)
5e8ff9bf55ba3508199d22e984129be6
Object URL
https://awsbucket2324.s3.amazonaws.com/sample.txt.txt
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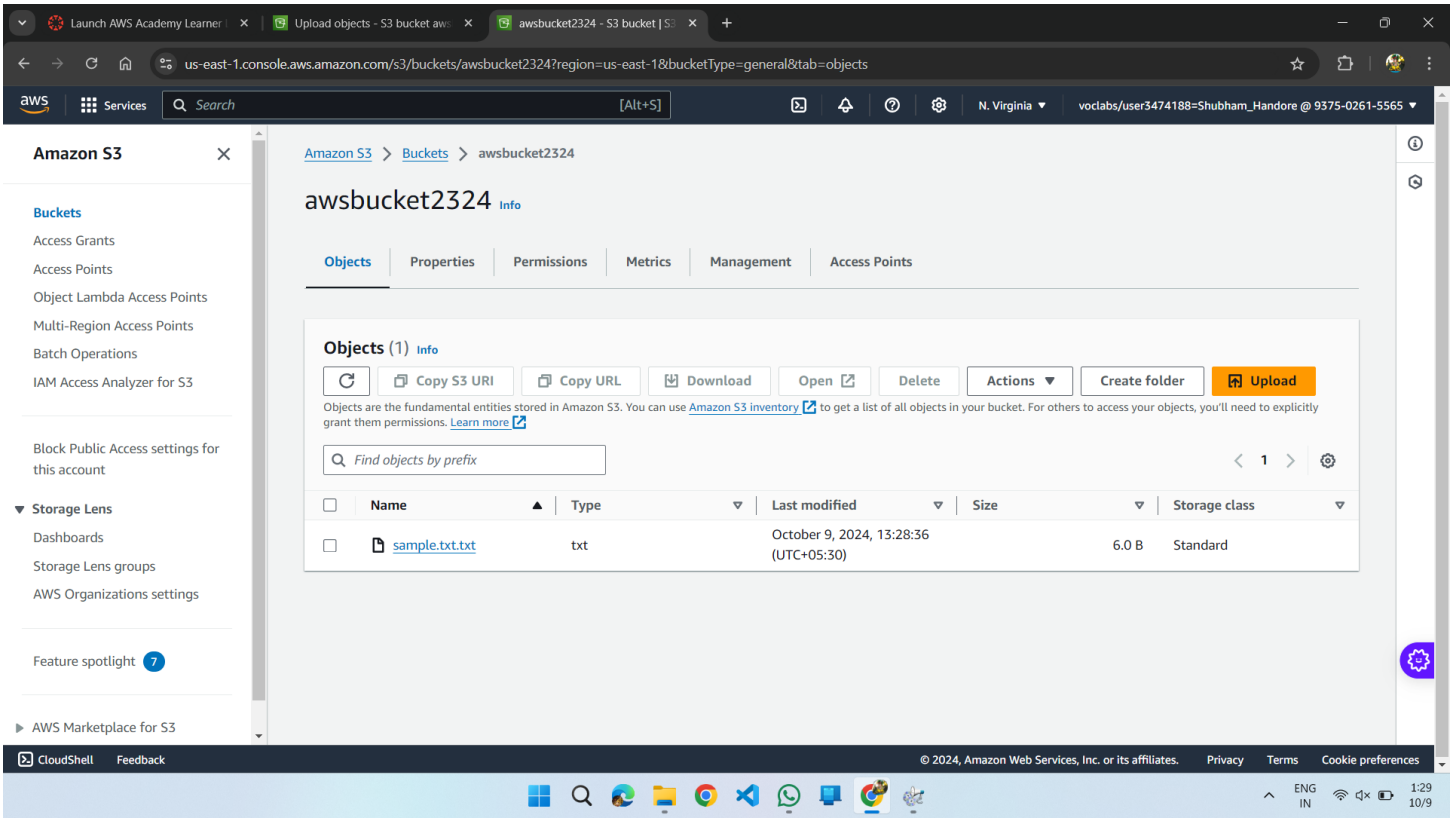
Launch AWS Academy Learner
Upload objects - S3 bucket aws
awsbucket2324 - S3 bucket | S3
us-east-1.console.aws.amazon.com/s3/buckets/awsbucket2324?region=us-east-1&bucketType=general&tab=objects
Services
Search
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voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Amazon S3
Buckets
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AWS Marketplace for S3
Amazon S3 > Buckets > awsbucket2324
awsbucket2324 Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects (1) Info
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
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
Find objects by prefix
Name
Type
Last modified
Size
Storage class
sample.txt.txt
txt
October 9, 2024, 13:28:36 (UTC+05:30)
6.0 B
Standard
CloudShell
Feedback
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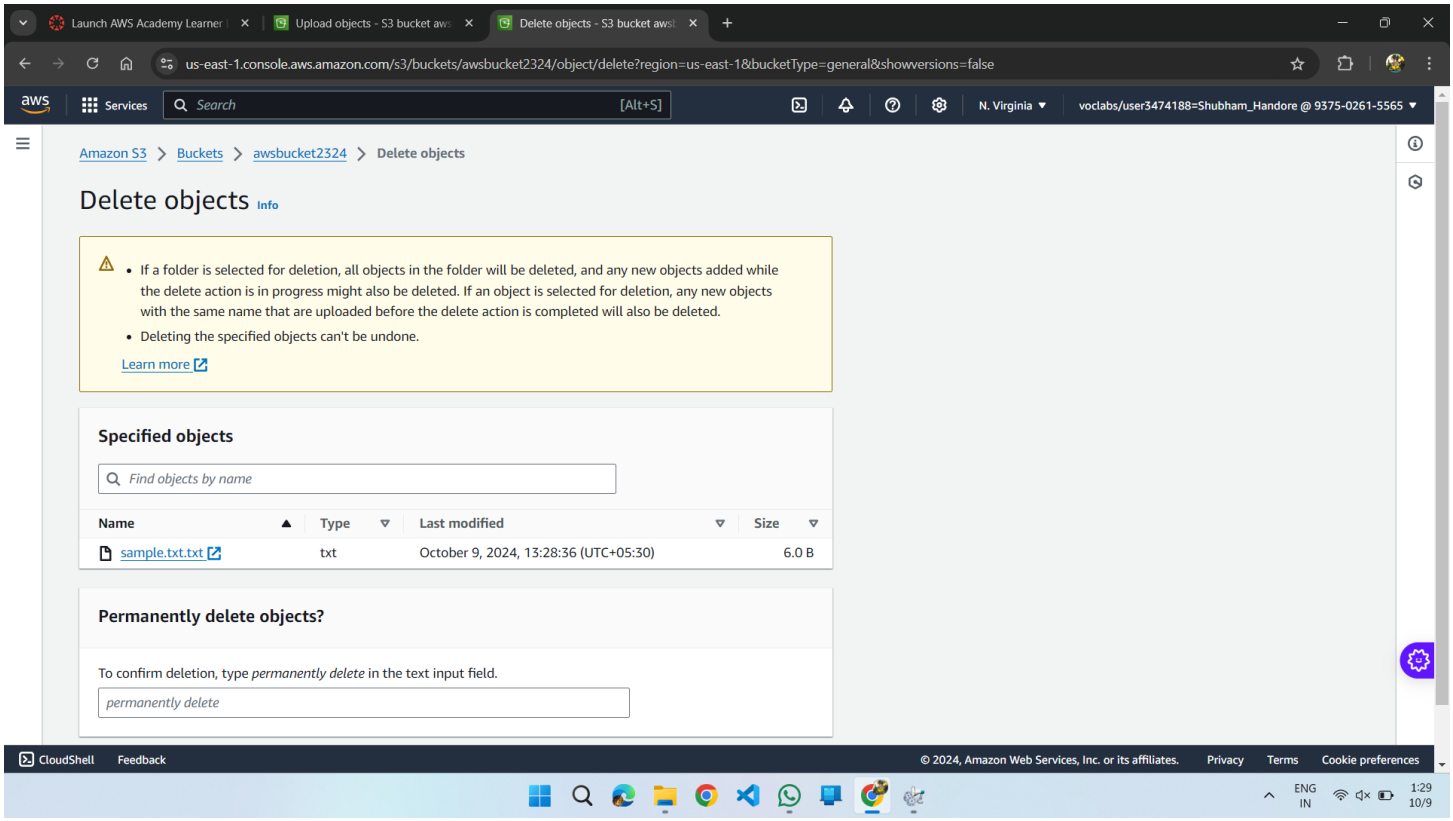
Launch AWS Academy Learner
Upload objects - S3 bucket aws
Delete objects - S3 bucket aws
us-east-1.console.aws.amazon.com/s3/buckets/awsbucket2324/object/delete?region=us-east-1&bucketType=general&showversions=false
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Amazon S3 > Buckets > awsbucket2324 > Delete objects
Delete objects Info
If a folder is selected for deletion, all objects in the folder will be deleted, and any new objects added while the delete action is in progress might also be deleted. If an object is selected for deletion, any new objects with the same name that are uploaded before the delete action is completed will also be deleted.
Deleting the specified objects can't be undone.
Learn more
Specified objects
Find objects by name
Name
Type
Last modified
Size
sample.txt.txt
txt
October 9, 2024, 13:28:36 (UTC+05:30)
6.0 B
Permanently delete objects?
To confirm deletion, type permanently delete in the text input field.
permanently delete
CloudShell
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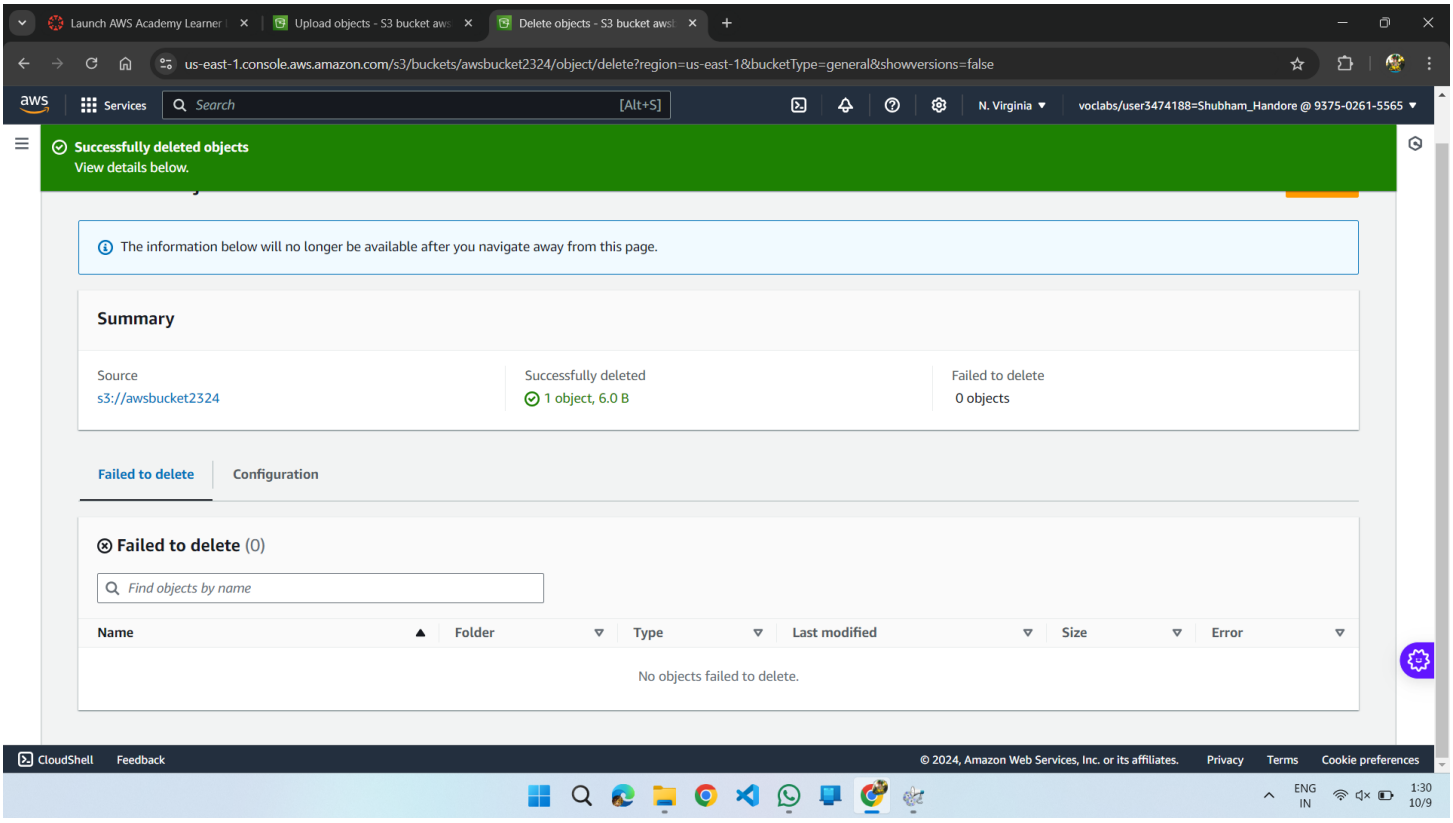
Launch AWS Academy Learner
Upload objects - S3 bucket aws
Delete objects - S3 bucket aws
us-east-1.console.aws.amazon.com/s3/buckets/awsbucket2324/object/delete?region=us-east-1&bucketType=general&showversions=false
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Successfully deleted objects
View details below.
The information below will no longer be available after you navigate away from this page.
Summary
Source
s3://awsbucket2324
Successfully deleted
1 object, 6.0 B
Failed to delete
0 objects
Failed to delete
Configuration
Failed to delete (0)
Find objects by name
Name
Folder
Type
Last modified
Size
Error
No objects failed to delete.
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1:30
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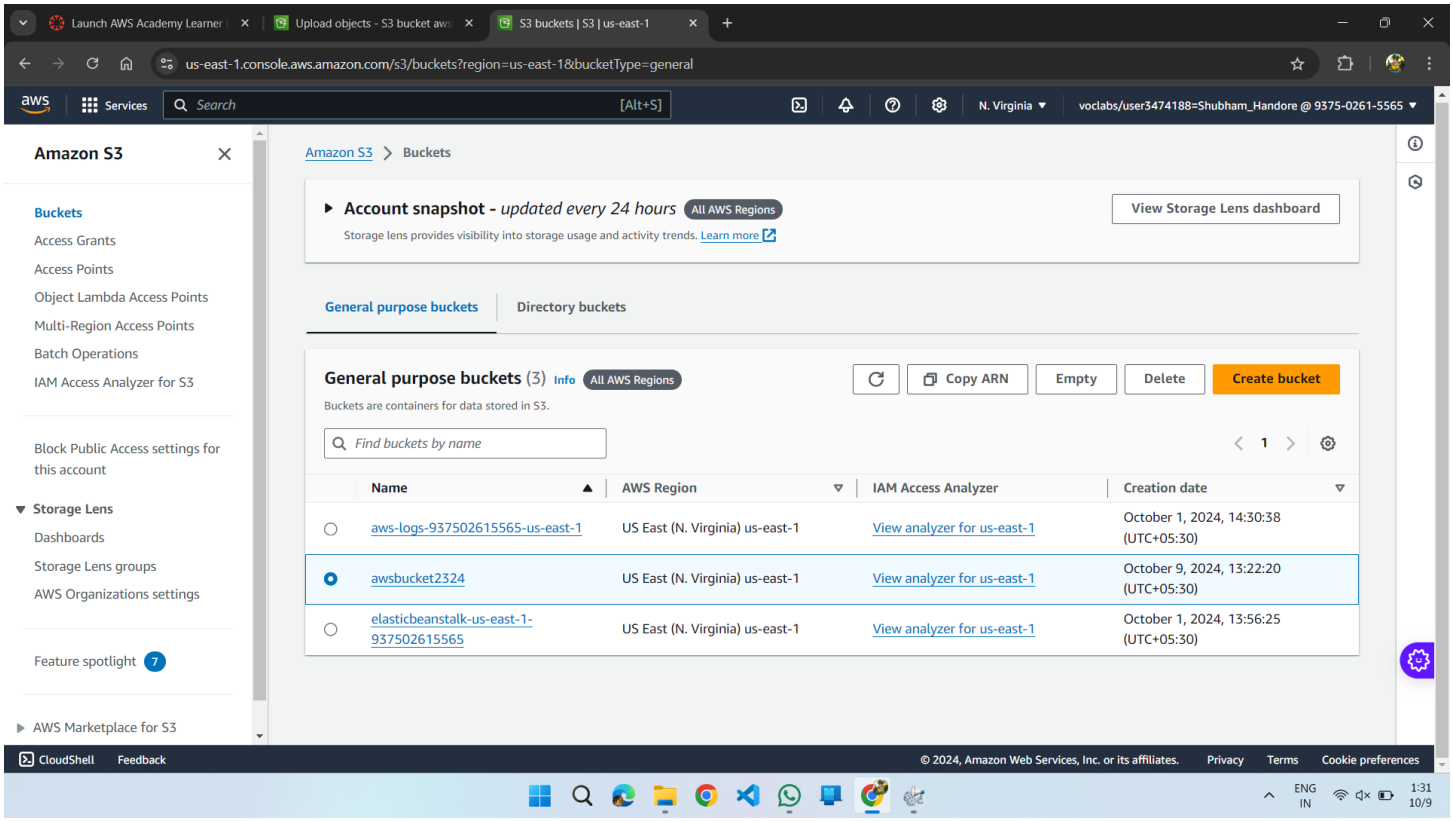
Launch AWS Academy Learner
Upload objects - S3 bucket aws
S3 buckets | S3 | us-east-1
us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Amazon S3
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Multi-Region Access Points
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AWS Organizations settings
Feature spotlight 7
AWS Marketplace for S3
Amazon S3 > Buckets
Account snapshot - updated every 24 hours
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General purpose buckets
Directory buckets
General purpose buckets (3) Info
All AWS Regions
Buckets are containers for data stored in S3.
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
IAM Access Analyzer
Creation date
aws-logs-937502615565-us-east-1
US East (N. Virginia) us-east-1
View analyzer for us-east-1
October 1, 2024, 14:30:38 (UTC+05:30)
awsbucket2324
US East (N. Virginia) us-east-1
View analyzer for us-east-1
October 9, 2024, 13:22:20 (UTC+05:30)
elasticbeanstalk-us-east-1-937502615565
US East (N. Virginia) us-east-1
View analyzer for us-east-1
October 1, 2024, 13:56:25 (UTC+05:30)
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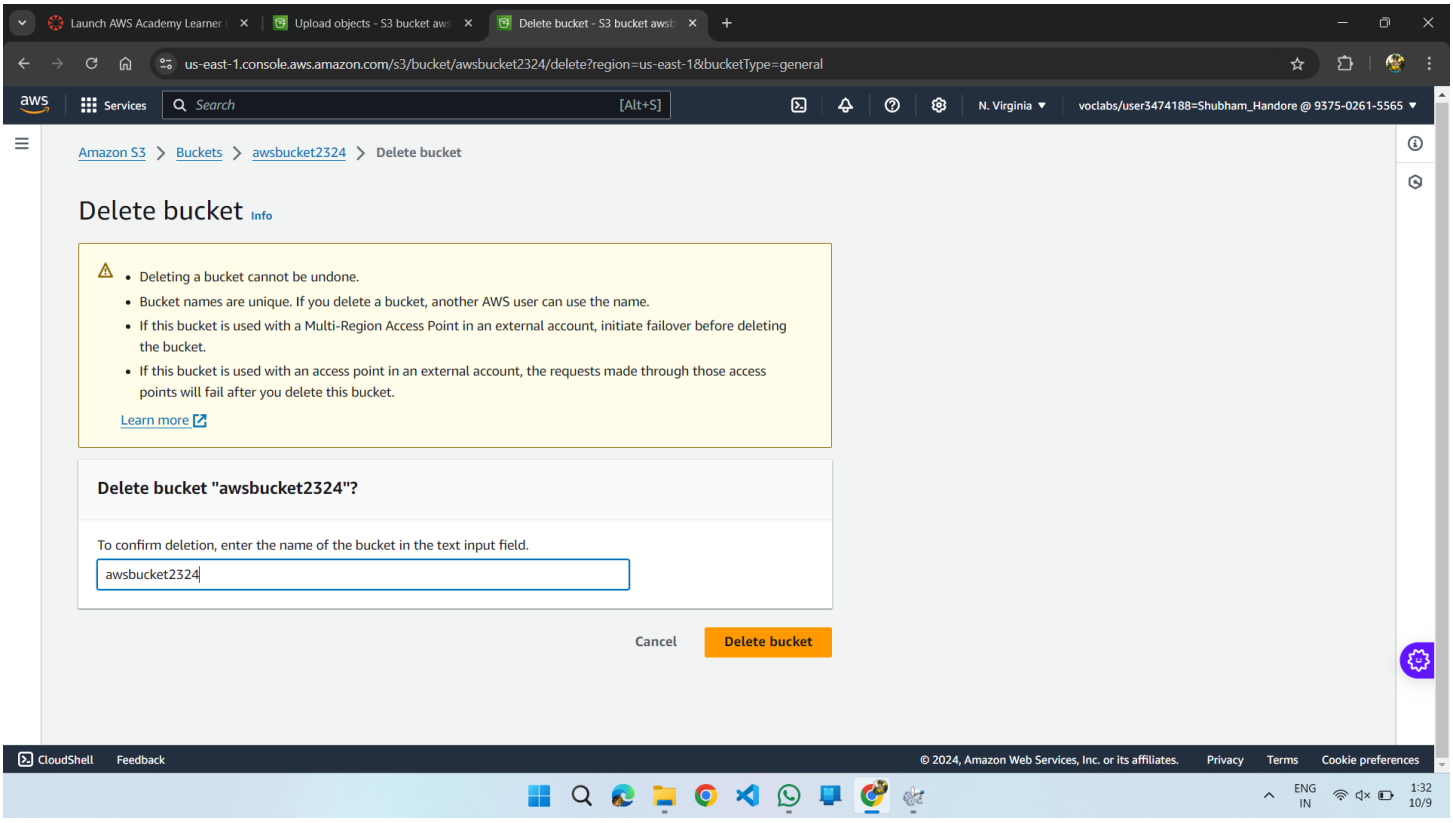
Launch AWS Academy Learner
Upload objects - S3 bucket aws
Delete bucket - S3 bucket awsb
us-east-1.console.aws.amazon.com/s3/bucket/awsbucket2324/delete?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Amazon S3 > Buckets > awsbucket2324 > Delete bucket
Delete bucket Info
Deleting a bucket cannot be undone.
Bucket names are unique. If you delete a bucket, another AWS user can use the name.
If this bucket is used with a Multi-Region Access Point in an external account, initiate failover before deleting the bucket.
If this bucket is used with an access point in an external account, the requests made through those access points will fail after you delete this bucket.
Learn more
Delete bucket "awsbucket2324"?
To confirm deletion, enter the name of the bucket in the text input field.
awsbucket2324
Cancel
Delete bucket
CloudShell
Feedback
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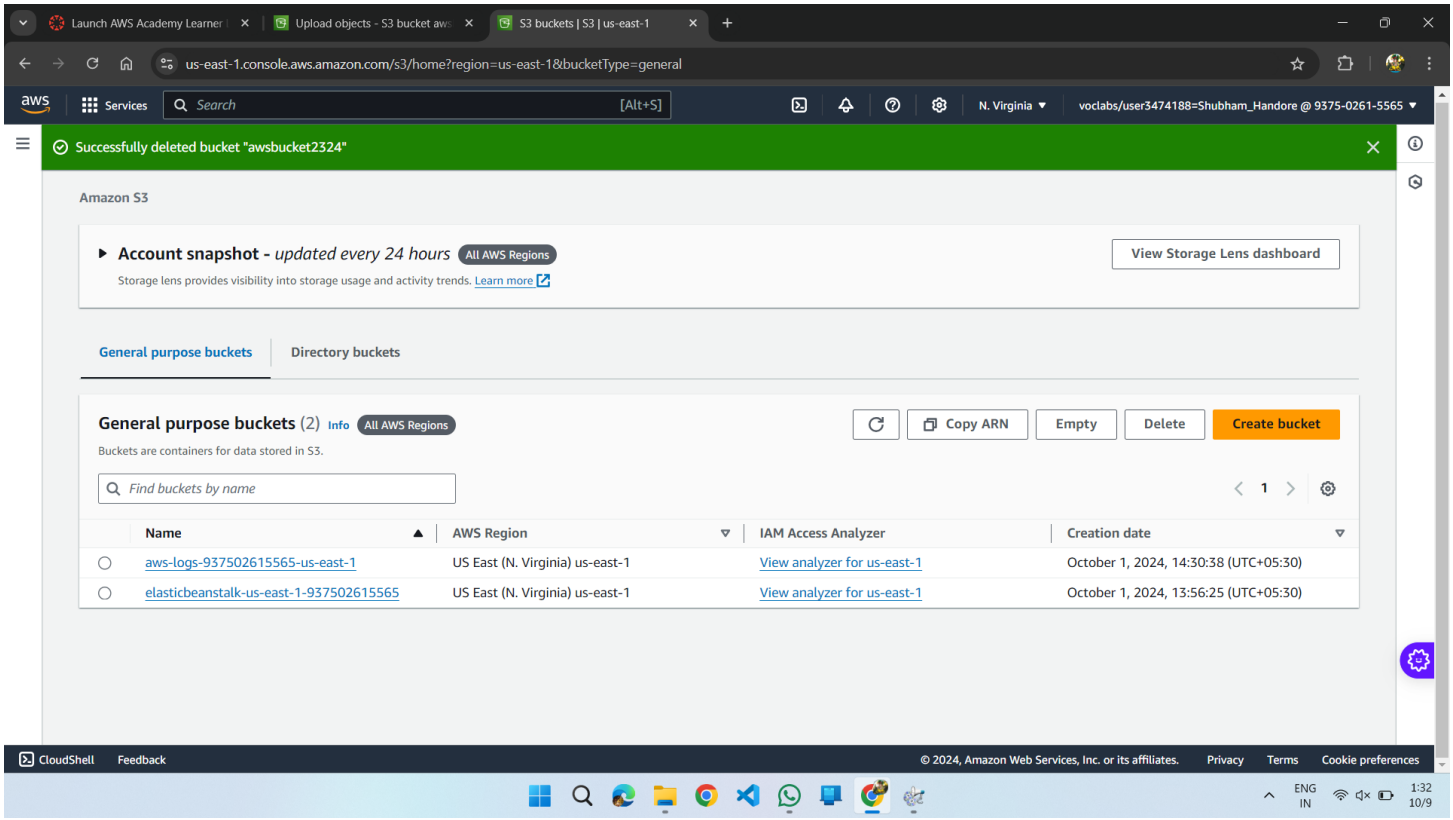
Launch AWS Academy Learner
Upload objects - S3 bucket aws
S3 buckets | S3 | us-east-1
us-east-1.console.aws.amazon.com/s3/home?region=us-east-1&bucketType=general
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Successfully deleted bucket "awsbucket2324"
Amazon S3
Account snapshot - updated every 24 hours
All AWS Regions
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Directory buckets
General purpose buckets (2) Info
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IAM Access Analyzer
Creation date
aws-logs-937502615565-us-east-1
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View analyzer for us-east-1
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elasticbeanstalk-us-east-1-937502615565
US East (N. Virginia) us-east-1
View analyzer for us-east-1
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