

9. Bucket owner granting cross-account bucket permissions using AWS console

The screenshot displays the AWS S3 console interface. The top navigation bar shows the AWS logo, a search bar, and the user's name 'shivani'. The left sidebar contains the 'Amazon S3' menu with options like Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Storage Lens, Dashboards, and AWS Organizations settings. The main content area shows the 'Account snapshot' and a list of buckets. The bucket 'cross-account-bucket-2154' is selected, and its details are shown, including its name, AWS Region (US East (N. Virginia) us-east-1), Access (Objects can be public), and Creation date (February 25, 2022, 12:56:45 (UTC+05:30)). Below the bucket details, the 'Objects' tab is active, showing a list of four objects: 'Acknowledgement_pdf.pdf', 'Acknowledgement.pdf', 'AWS-Certified-Cloud-Practitioner_Exam-Guide (1).pdf', and 'AWS-Certified-Cloud-Practitioner_Exam-Guide.pdf'. The objects are listed with their names, types (pdf), last modified dates, sizes, and storage classes (Standard).

Amazon S3

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

Dashboards

AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Account snapshot

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

[View Storage Lens dashboard](#)

Buckets (1) [Info](#)

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

Name	AWS Region	Access	Creation date
cross-account-bucket-2154	US East (N. Virginia) us-east-1	Objects can be public	February 25, 2022, 12:56:45 (UTC+05:30)

cross-account-bucket-2154 [Info](#)

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (4)

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	Last modified	Size	Storage class
Acknowledgement_pdf.pdf	pdf	February 25, 2022, 12:57:19 (UTC+05:30)	195.3 KB	Standard
Acknowledgement.pdf	pdf	February 25, 2022, 12:57:18 (UTC+05:30)	122.9 KB	Standard
AWS-Certified-Cloud-Practitioner_Exam-Guide (1).pdf	pdf	February 25, 2022, 12:57:20 (UTC+05:30)	209.0 KB	Standard
AWS-Certified-Cloud-Practitioner_Exam-Guide.pdf	pdf	February 25, 2022, 12:57:21 (UTC+05:30)	209.0 KB	Standard

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s3.console.aws.amazon.com/s3/buckets/cross-account-bucket-2154?region=us-east-1&tab=permissions

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Amazon S3

- 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

- Dashboards
- AWS Organizations settings

Feature spotlight 5

► AWS Marketplace for S3

Edit

Block all public access

Off

► Individual Block Public Access settings for this bucket

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Edit Delete

Copy

```
{
  "Version": "2012-10-17",
  "Id": "Policy1645778280682",
  "Statement": [
    {
      "Sid": "Stmt1645778269274",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::293955714039:root"
      },
      "Action": "s3:*",
      "Resource": "arn:aws:s3:::cross-account-bucket-2154"
    }
  ]
}
```

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

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IAM Management Console x +

https://console.aws.amazon.com/iamv2/home#/users

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Identity and Access Management (IAM)

Search IAM

Dashboard

▼ Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings

▼ Access reports

- Access analyzer
- Archive rules
- Analyzers
- Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

IAM > Users

Users (1) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Find users by username or access key

	User name	Groups	Last activity	MFA	Password age	Active key age
<input type="checkbox"/>	cross-account-user			None		

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```
Command Prompt

C:\Users\VWA2154>aws configure
AWS Access Key ID [*****gF13]: AKIAUI47AHF3TUXGGFI3
AWS Secret Access Key [*****97eh]: bw83lU5zfWJLPuWk1pklzQTHwKR1kt+eh097eh
Default region name [us-east-1]:
Default output format [None]:

C:\Users\VWA2154>aws s3 ls s3://cross-account-bucket-2154 --no-verify-ssl
urllib3.connectionpool.py:1011: InsecureRequestWarning: Unverified HTTPS request is being made to host 'cross-account-bucket-2154.s3.us-east-1.amazonaws.com'. Adding certificate verification is strongly advised.
See: https://urllib3.readthedocs.io/en/1.26.x/advanced-usage.html#ssl-warnings
2022-02-25 12:57:20      214048 AWS-Certified-Cloud-Practitioner_Exam-Guide (1).pdf
2022-02-25 12:57:21      214048 AWS-Certified-Cloud-Practitioner_Exam-Guide.pdf
2022-02-25 12:57:18      125819 Acknowledgement.pdf
2022-02-25 12:57:19      199947 Acknowledgement_pdf.pdf

C:\Users\VWA2154>
```