Agenda

- 1. AWS IAM Identity Center (Previously AWS SSO) 🕌
- 2. Amazon S3 Secure, Scalable Storage
- 3. Amazon CloudFront Content Delivery Network 🗸
- 4. Advanced Configurations & Best Practices
- 5. Hands-on Lab
- 6. Quiz & Q&A

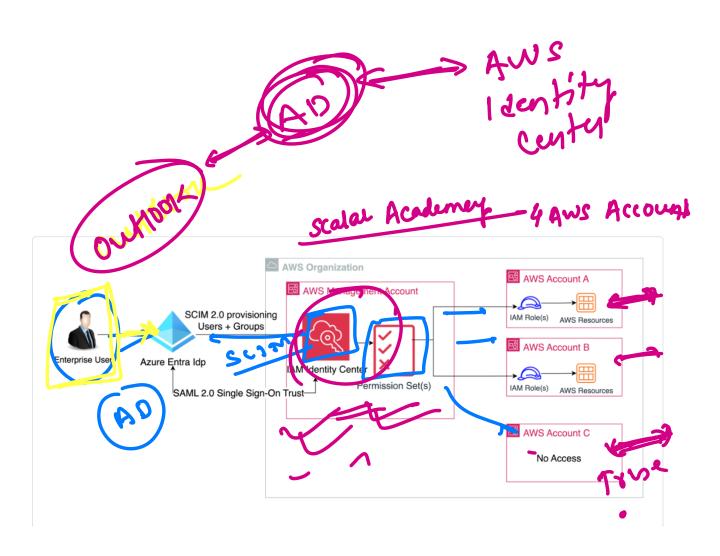
IAM Identity Center (Formuly Known as SSO)



Groups -->

Multi Account Permissions

Permission Sets ____



Amazon S3 - Filer System: (S3f3)

Buckets

- •Top-level containers for storing data in Amazon S3.
- •Each object is stored in a bucket.
- •Globally unique name required (e.g., my-app-assets).

Objects

- •Fundamental entities stored in S3 (e.g., files, images, documents).
- •Consist of:
 - Key (unique name within the bucket)
 - Value (actual data)
 - Metadata
 - Version ID (if versioning enabled)

Versioning

Access Control

Lifecycle Policies

Definition: For data accessed less frequently but requires rapid access when needed.

Prod Example: Monthly reporting

data, compliance logs,

or backups you

retrieve occasionally.

Definition: Automatically moves data between frequent and infrequent tiers based on usage patterns.

S3 Standard

Prod Example: Analytics data from IoT devices where access frequency varies unpredictably.

Definition: Low-cost archive class with **Definition:** Lowest-cost storage millisecond access for rarely accessed for archival with retrieval time data.

Prod Example: Medical imaging or financial documents needed instantly for audits.

Definition: Default storage class for frequently accessed data with low latency and high throughput.

Prod Example: Hosting dynamic website assets, mobile app images, or real-time data processing inputs.

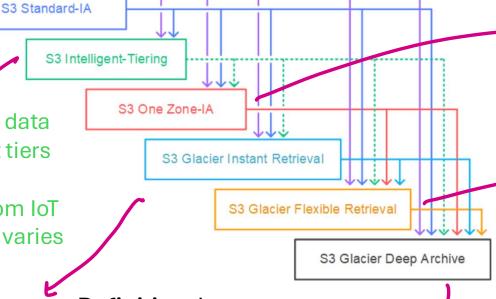
Definition: Lower-cost infrequent access storage in a single Availability Zone.

Prod Example: Re-creatable data

such as image thumbnails or temporary backup copies.

Definition: Cost-effective archive storage with flexible access times (minutes to hours).

Prod Example: Long-term backups of customer data, HR records, or archived video footage



Prod Example: Regulatory

archives).

compliance data retention for 7–

10 years (e.g., tax records, legal

S3 Event Notifications

Encryption

Logging and Monitoring

- •S3 Access Logs Log all access requests.
- •CloudWatch Metrics Track storage usage and requests.
- •AWS CloudTrail Monitor API calls to S3.

AWS CloudFront

Hosting a static website using AWS Cloudfront

AWS CloudFront

Hosting a static website using AWS Cloudfront