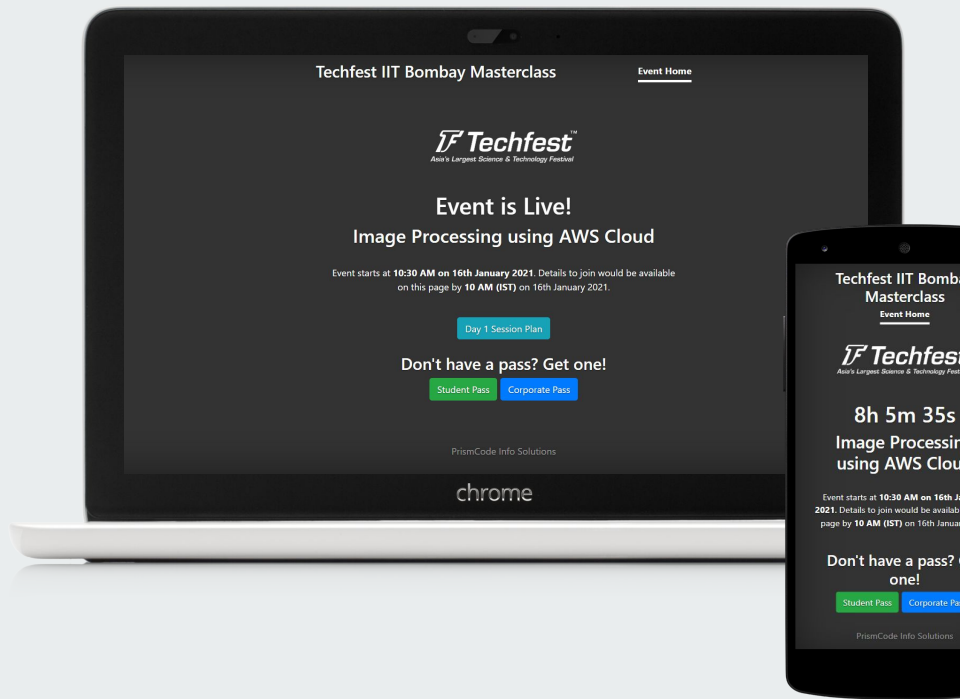




Techfest IIT Bombay Masterclass

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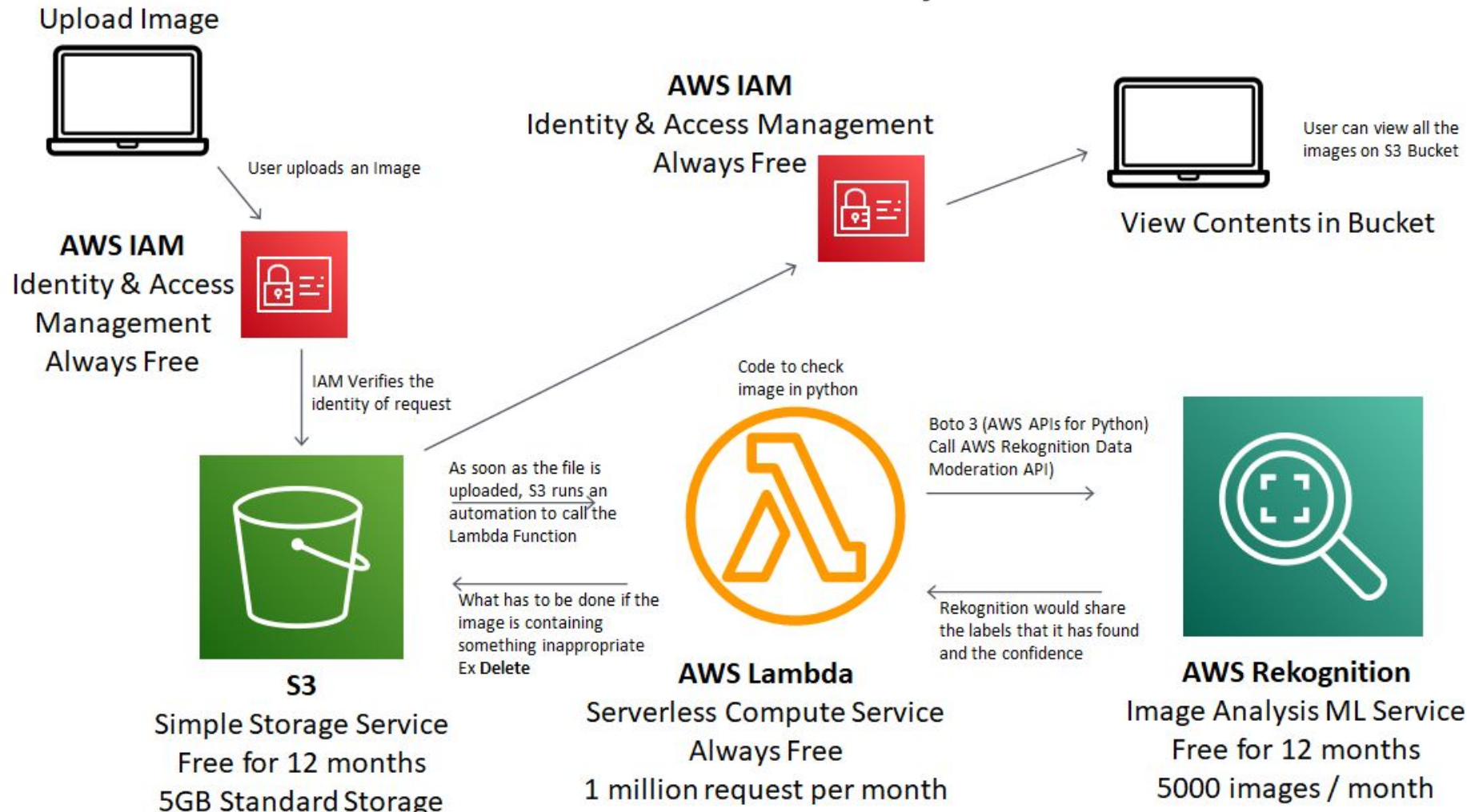


Session Plan

Day 2

AWS Simple Storage Service	10:30 - 11:30
PHP with S3 to GET list of objects	11:35 - 12:00
AWS Rekognition	12:00 - 01:00
Boto3 for Python	01:50 -02:00
AWS Lambda and IAM Roles	02:00 - 03:00
AWS CloudWatch	03:00 - 03:15
Auto Trigger Lambda	03:15 - 04:00
Automatic Data Filtration and Data Removal	04:00 - 05:00
GIT, LinkedIn Certificate & Future Scope	05:00 - 06:00

Content Filtration System



AWS Simple Storage Service

Amazon Simple Storage Service is storage for the Internet. It is designed to make web-scale computing easier for developers.

Amazon S3 has a simple web services interface that you can use to store and retrieve any amount of data, at any time, from anywhere on the web.

Amazon S3 Concepts

Bucket: A bucket is a container for objects stored in Amazon S3. Every object is contained in a bucket.

Objects: Objects are the fundamental entities stored in Amazon S3. Objects consist of object data and metadata. The data portion is opaque to Amazon S3. The metadata is a set of name-value pairs that describe the object.

Amazon S3 Concepts

Key: A key is the unique identifier for an object within a bucket. Every object in a bucket has exactly one key. The combination of a bucket, key, and version ID uniquely identify each object. So you can think of Amazon S3 as a basic data map between "bucket + key + version" and the object itself.

Amazon S3 Concepts

Regions: You can choose the geographical AWS Region where Amazon S3 will store the buckets that you create. You might choose a Region to optimize latency, minimize costs, or address regulatory requirements. Objects stored in a Region never leave the Region unless you explicitly transfer them to another Region. For example, objects stored in the Europe (Ireland) Region never leave it.

Amazon S3 Concepts

Storage Classes: Amazon S3 offers a range of storage classes designed for different use cases. These include Amazon S3 STANDARD for general-purpose storage of frequently accessed data, Amazon S3 STANDARD_IA for long-lived, but less frequently accessed data, and S3 Glacier for long-term archive.

Amazon S3 Concepts

Bucket Policies: Bucket policies provide centralized access control to buckets and objects based on a variety of conditions, including Amazon S3 operations, requesters, resources, and aspects of the request (for example, IP address). The policies are expressed in the *access policy language* and enable centralized management of permissions.

Questions?



PHP - AWS SDK with S3

Practical Session



AWS Rekognition

Practical Session



PHP - AWS SDK with S3

Practical Session



AWS Lambda and IAM Roles

Practical Session

Questions?
