Uploading & Managing Photos with S3

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Overview

- What is S3?

- S3 Use Cases

- Object vs. Block Storage

- Buckets

- Access Control Lists & Bucket Policies

- Creating a bucket in the console

- Uploading files via API

- Resizing images

- S3 URLs in HTML Templates
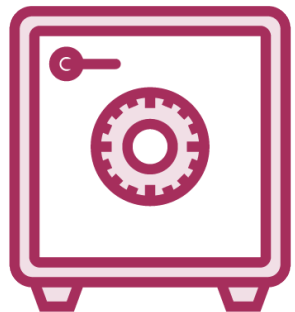
What Is S3?

Simple Storage Service

Highly scalable and durable object storage
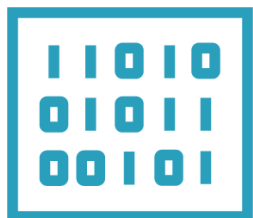
Secure via SSL and SSE

S3 Use Cases
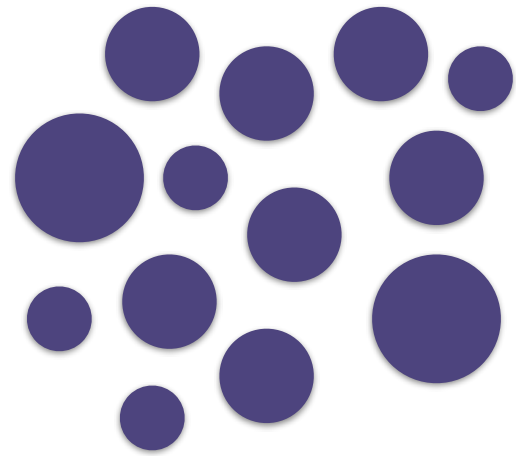
Content storage and distribution
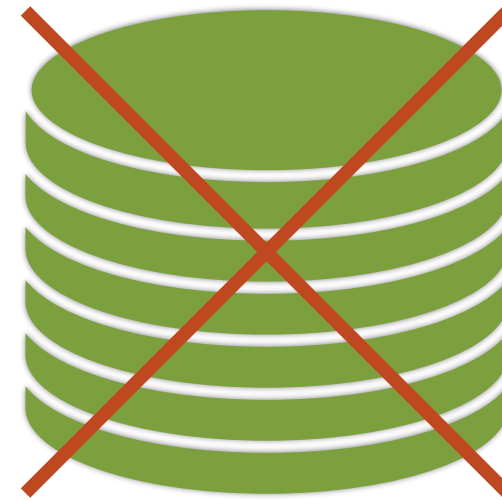
Backup and archiving

Static website hosting

Cloud-native application data

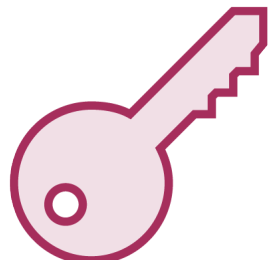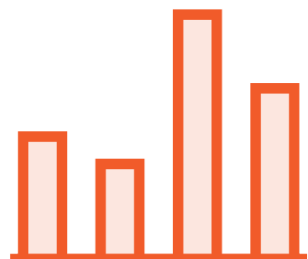# Object vs. Block Storage

Object Storage

Block Storage

Buckets

Organize the S3 namespace globally

Identify the account responsible for charges

Access control

Usage Reporting

Access Control & Bucket Policies

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AddAllowAllGetObject",
      "Resource": "arn:aws:s3:::pluralsight-photos/*",
      "Action": [
        "s3:GetObject"
      ],
      "Effect": "Allow",
      "Principal": "*"
    }
  ]
}
```

Uploading & Downloading Using the SDK

`github.com/aws/aws-sdk-go/service/s3/s3manager`

Uploader

Downloader

Demo

Creating an S3 Bucket in the AWS console

Demo

Uploading and Resizing Images in S3 with the AWS SDK for Go

Summary

What is S3?

S3 Use Cases

Object vs. Block Storage

Buckets

Access Control Lists & Bucket Policies

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Resizing images

S3 URLs in HTML Templates