

AWS Certified Cloud Practitioner
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AWS Services Overview

Storage Services

AWS Storage Services Overview

- Amazon Simple Storage Service (S3)
- Amazon Elastic Block Store (EBS)
- Amazon Elastic File System (EFS)
- Amazon Glacier
- AWS Storage Gateway



Storage

S3

EFS

FSx

S3 Glacier

Storage Gateway

AWS Backup

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Amazon S3 - Simple Storage Service

Amazon Simple Storage Service (S3)

- Amazon S3 is AWS object storage service (not OS), that stores and retrieves any amount of data
- AWS S3 is designed for 99.999999999% durability (11 9s)
- AWS S3 is simple to use, scalable, secure, 99.99% availability/year, low cost, easily migrate data into or out of S3, large integration with other AWS services and easy to manage



Amazon S3

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Amazon EBS – Elastic Block Store

Amazon EBS – Elastic Block Store

- Amazon EBS provides persistent block storage volumes for use with Amazon EC2 instances in the AWS Cloud (HDD or SSD for EC2 instances)
- Amazon EBS offers high performance volumes, 99,999% availability for each EBS volume, encryption for data-at-rest and data-in-transit, access management (who can access what) and snapshots (create point-in-time snapshots of EBS volumes and store them in S3 – durability)

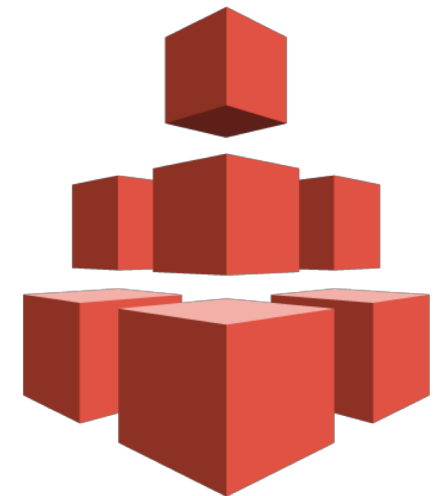


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Amazon EFS - Elastic File System

Amazon EFS - Elastic File System

- Amazon EFS provides simple, scalable file storage for use with Amazon EC2 instances in the AWS Cloud
- Storage capacity is elastic as you add or remove files from the file system and you only pay for the space your files and directories use
- EFS file system can be mounted on single or multiple EC2 inst. allowing Amazon EFS to provide a common data source for workloads and applications running on more than one EC2 instance



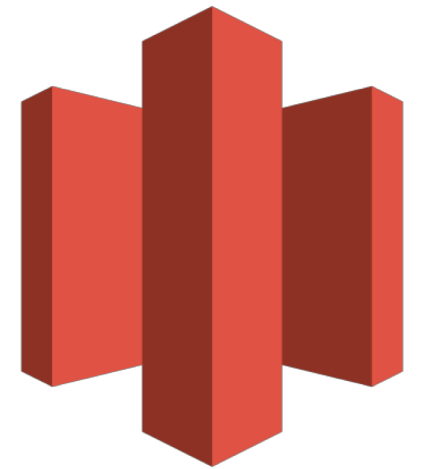
Amazon EFS

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Amazon Glacier

Amazon Glacier

- Once data is stored in Amazon S3, it can be automatically moved into lower cost, longer-term cloud storage classes like Amazon S3 Standard - Infrequent Access (IA) and Amazon Glacier for archiving
- Amazon Glacier is a secure, durable, and extremely low-cost storage service for data archiving and longterm backup
- Amazon Glacier provides three options for access to archives from a few minutes to several hours



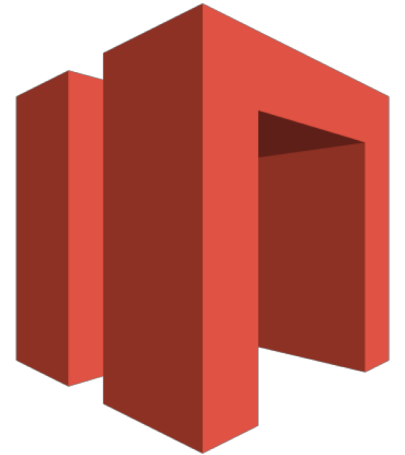
Amazon Glacier

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AWS Storage Gateway

AWS Storage Gateway

- AWS Storage Gateway is a hybrid storage service that enables your on-premises applications to seamlessly use AWS cloud storage
- Applications connect to the service through a VM or hardware appliance
- The gateway connects to AWS storage services such as S3, S3 Glacier, S3 Glacier Deep Archive, Amazon EBS and AWS Backup, providing storage for files, volumes, snapshots, etc



**AWS Storage
Gateway**

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Thank you