



BATCH : 149
LESSON : AWS
DATE : 09.08.2023
SUBJECT : AWS-S3-2

ZOOM GİRİŞLERİNİZİ LÜTFEN **LMS** SİSTEMİ ÜZERİNDEN YAPINIZ





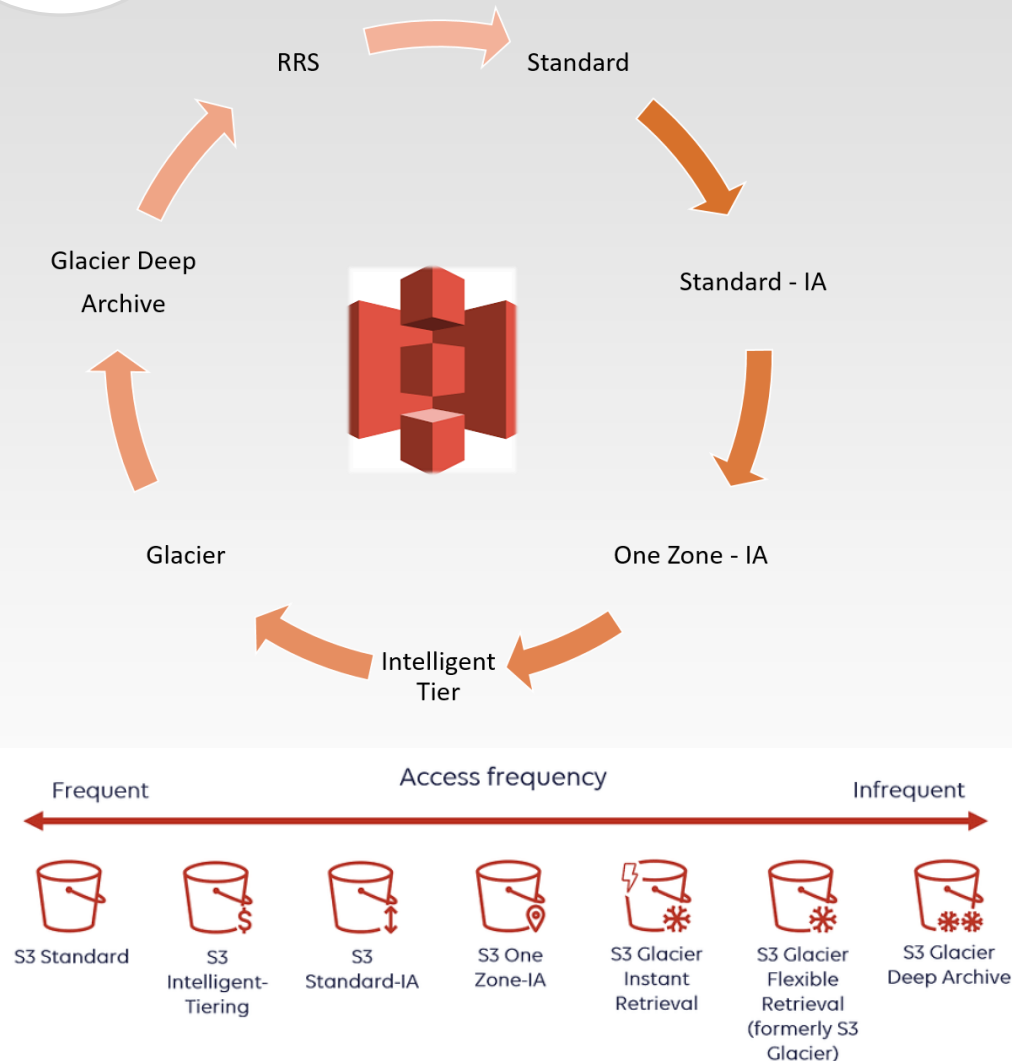
Simple Storage Service S3 - 2



S3 Lifecycle Management

Lifecycle policies can be used to define actions that you want Amazon S3 to take during an object's lifetime. It is good for objects that have a defined lifecycle. Lifecycle policies,

- Transition objects to another storage class,
- Archive objects,
- Delete unused objects after a specified period of time, time of expiration.

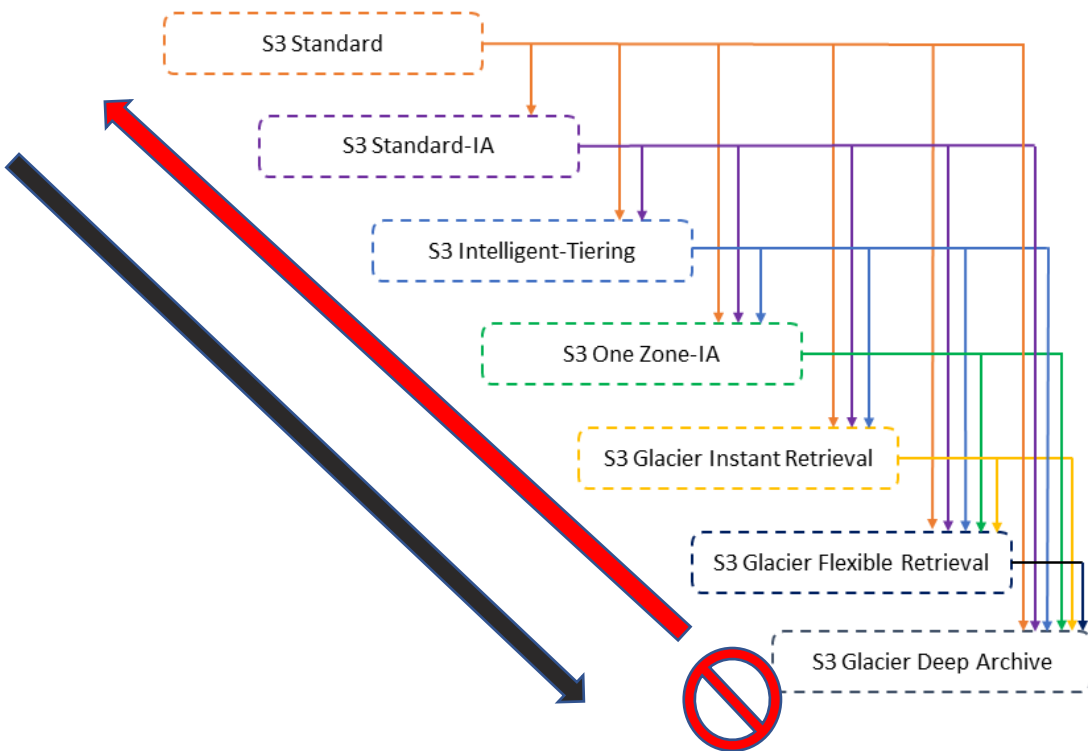




S3 Lifecycle Management

You **can** transition from the following:

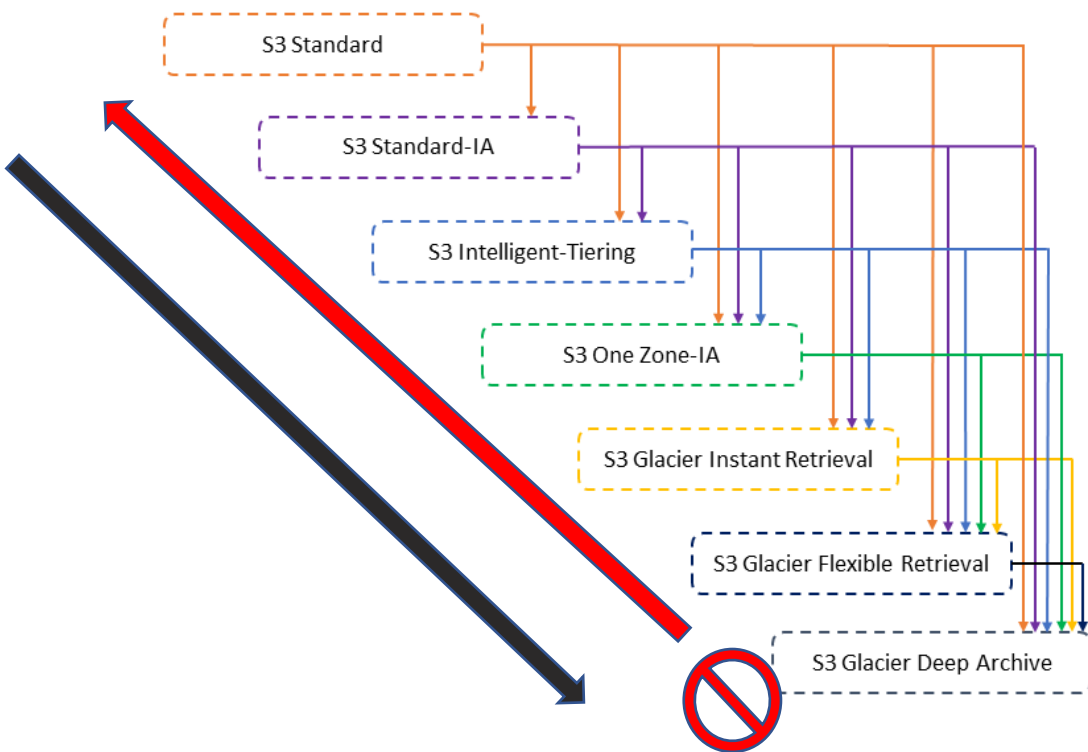
- The S3 Standard storage class to any other storage class.
- Any storage class to the S3 Glacier Deep Archive storage class.
- Any storage class except S3 Glacier Deep Archive to the S3 Glacier Flexible Retrieval storage class.
- The S3 Standard-IA storage class to the S3 Intelligent-Tiering, S3 One Zone-IA, or S3 Glacier Instant Retrieval storage classes.
- The S3 Intelligent-Tiering storage class to the S3 One Zone-IA or S3 Glacier Instant Retrieval storage classes.
- The S3 Glacier Flexible Retrieval storage class to the S3 Glacier Deep Archive storage class.





S3 Lifecycle Management

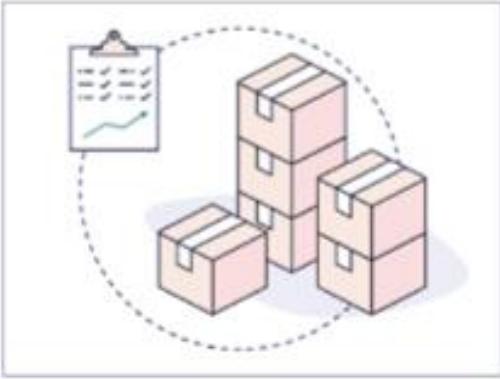
You **can not** transition from the following:



- Any storage class to the S3 Standard storage class.
- Any storage class to the Reduced Redundancy Storage (RRS) class.
- The S3 Intelligent-Tiering storage class to the S3 Standard-IA storage class.
- The S3 One Zone-IA storage class to the S3 Intelligent-Tiering, S3 Standard-IA, or S3 Glacier Instant Retrieval storage classes.



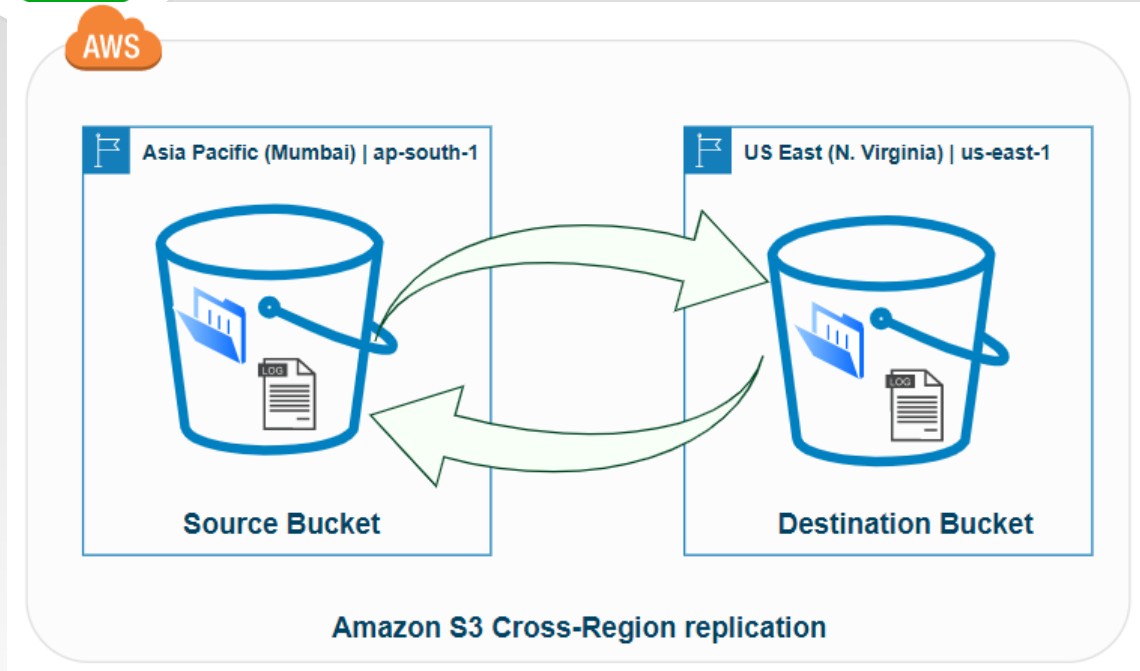
S3 Lifecycle Management



- It provides you to **arrange your S3 inventory**,
- You can **save money** by transition the objects to the cost-effective storage class,
- You can **get rid of redundant objects**,



S3 Replication Rules

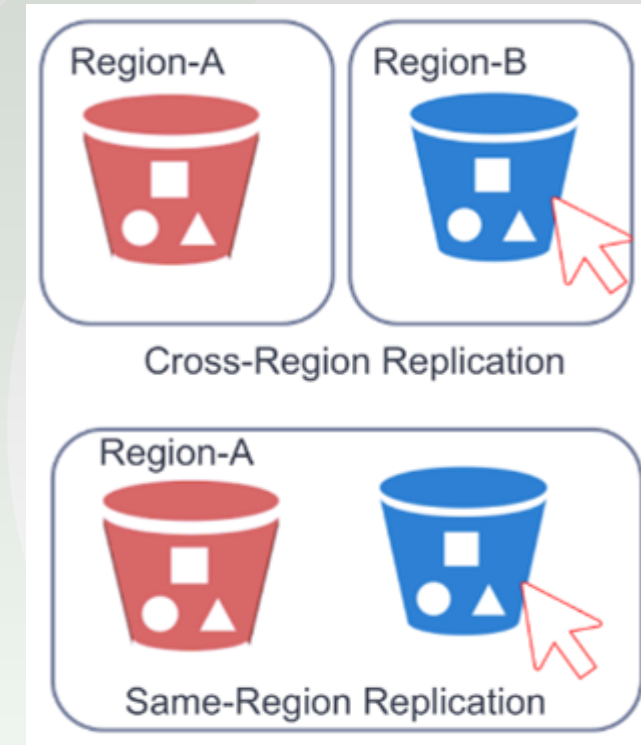


- **Cross-Region Replication (CRR)**
- **Same-Region Replication (SRR)**

- Replication is making a copy of the objects in the same AWS Region or different AWS Regions.
- Versioning for buckets must be on for replication.



S3 Replication Rules



- 1. Select the **Source Bucket**
- 2. Determine your replication **policy**,
- 3. Select your data set by object **tag, prefix or entire bucket**
- 4. Select the **Destination Bucket** in the same region or in different region.



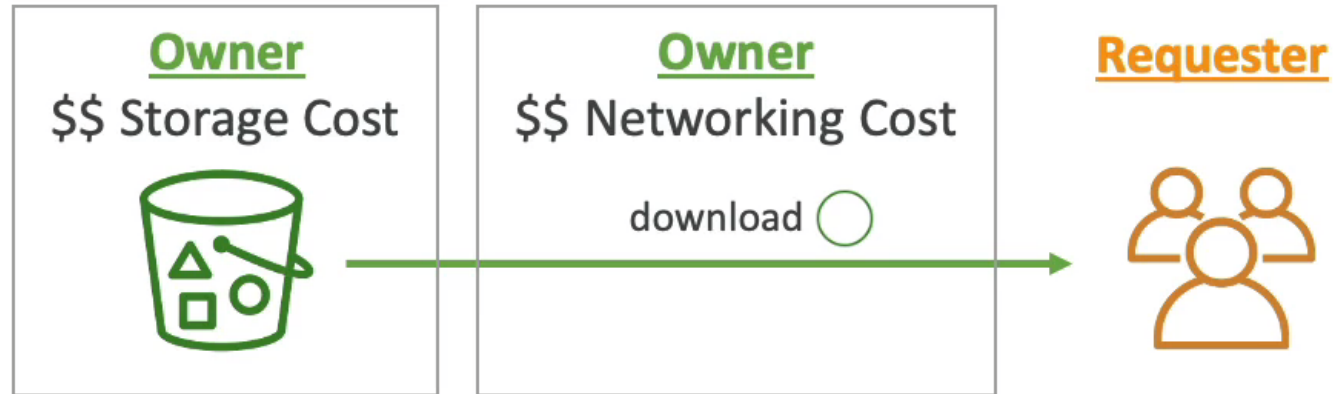
S3 Analytics

- You can analyze storage access patterns to help you decide when to transition the right data to the right storage class.
- S3 analytics feature observes data access patterns to help you determine when to transition less frequently accessed STANDARD storage to the STANDARD_IA.
- Storage class analysis only provides recommendations for Standard to Standard IA classes.
- Takes 24 hours for the analysis data to appear.

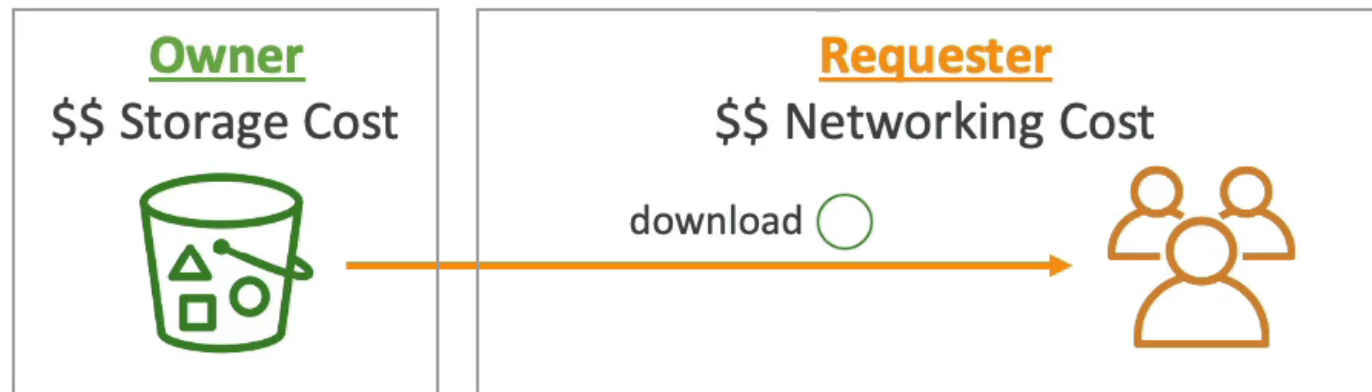


Requester Pays

Standard Bucket



Requester Pays Bucket

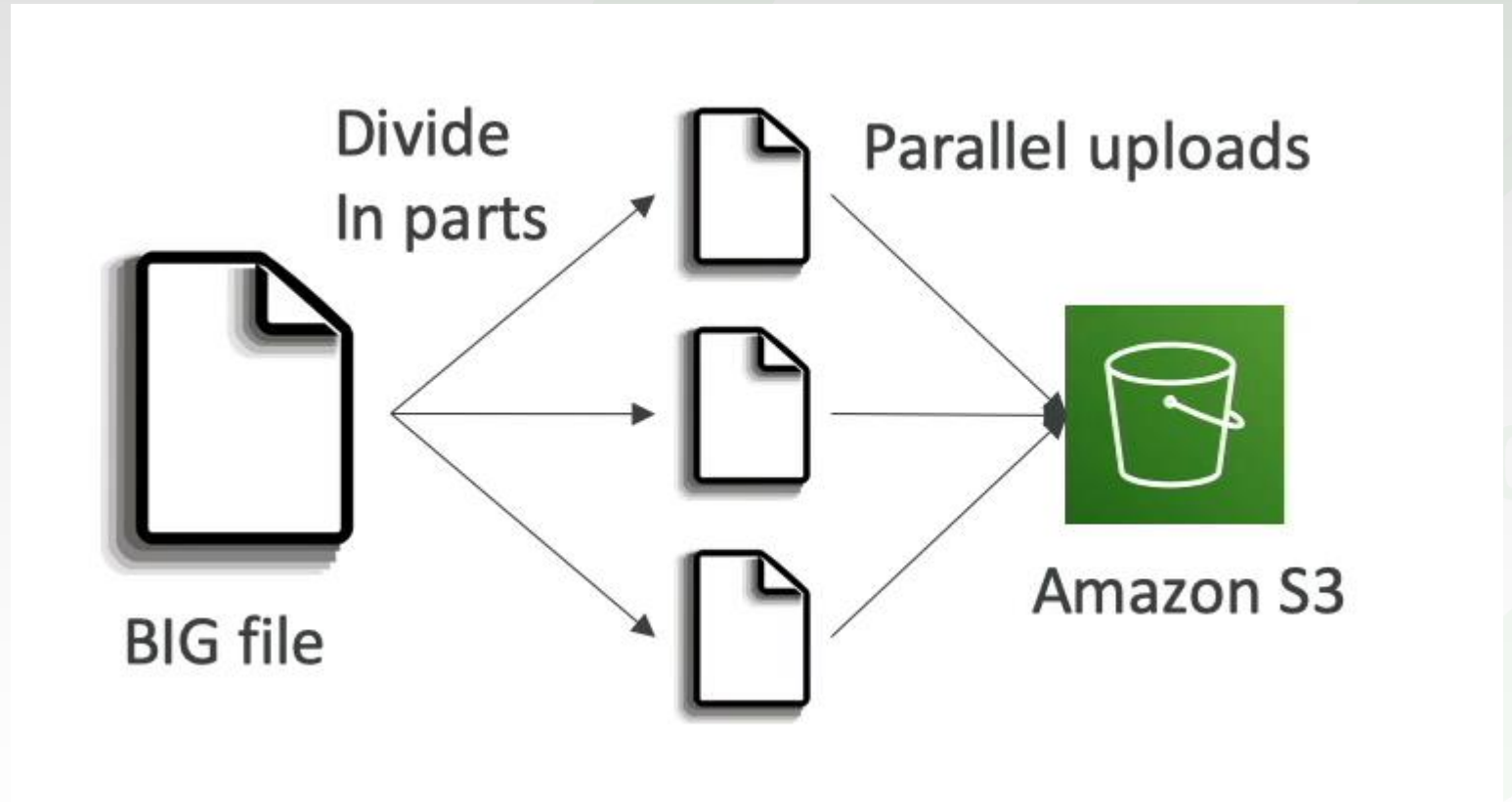




Multipart Upload

- Increase performance
- Multi-part upload is recommended for files greater than 100MB
- Must be used for files greater than 5GB

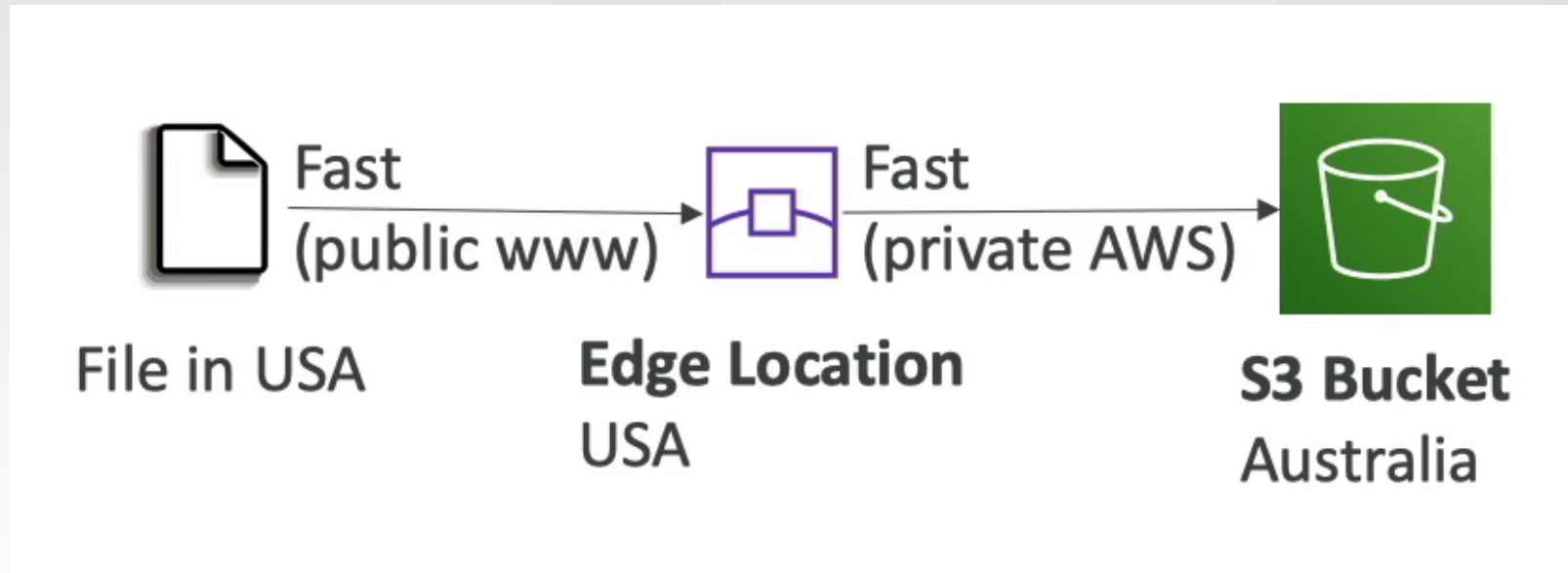
S3





S3 Transfer Acceleration

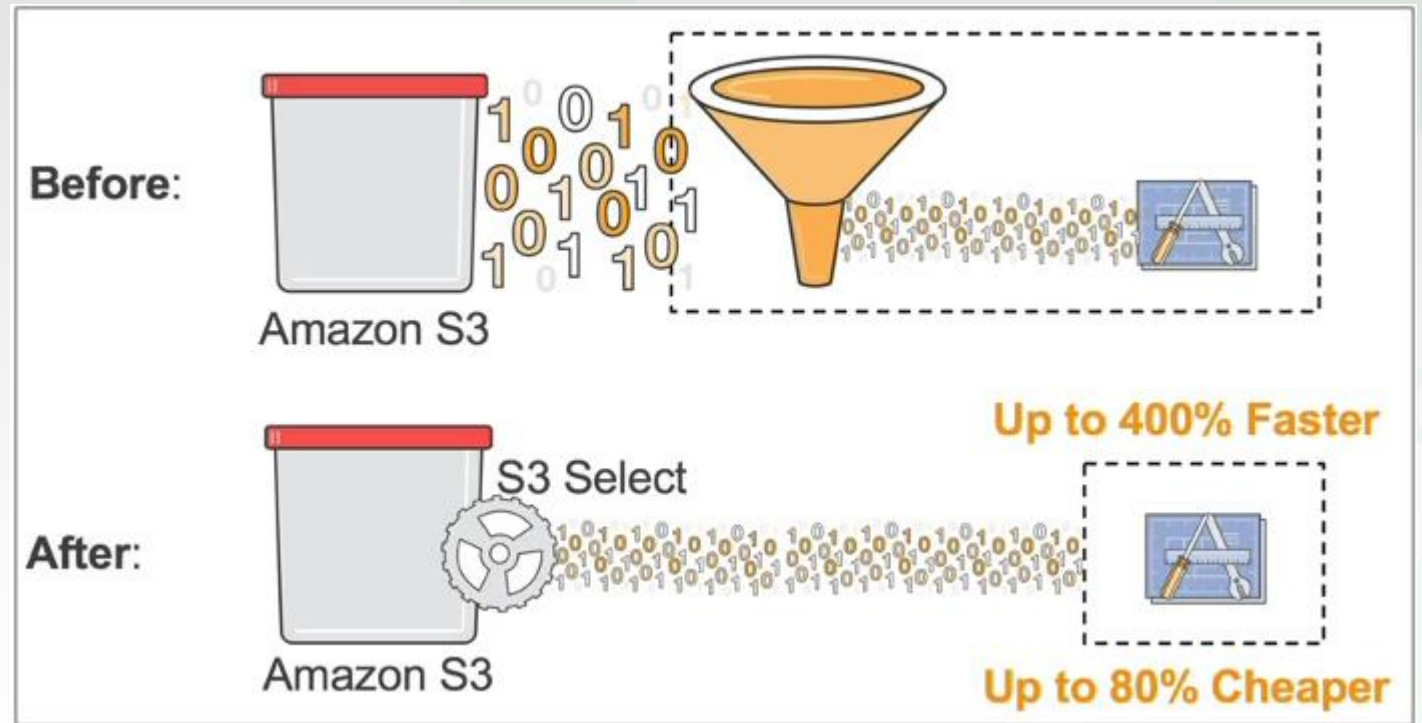
- Increase S3 performance
- Edge locations are used for data transfer between a client and a S3 bucket
- Can be used with multi-part upload





S3 Select and Glacier Select

- Increase S3 or Glacier performance
- Use SQL language to filter data on S3
- Use less network, less CPU
- Only filtered data is retrieved





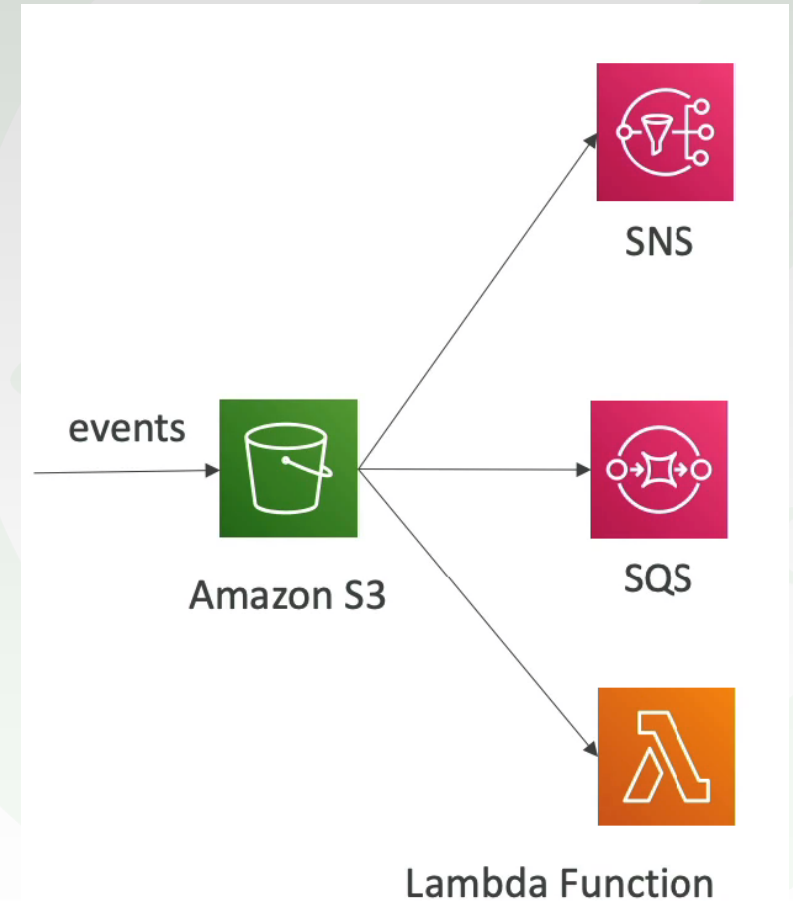
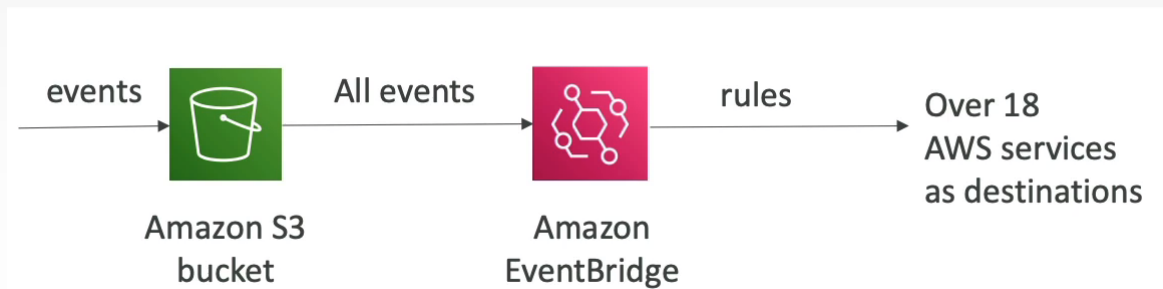
S3 Batch Operations

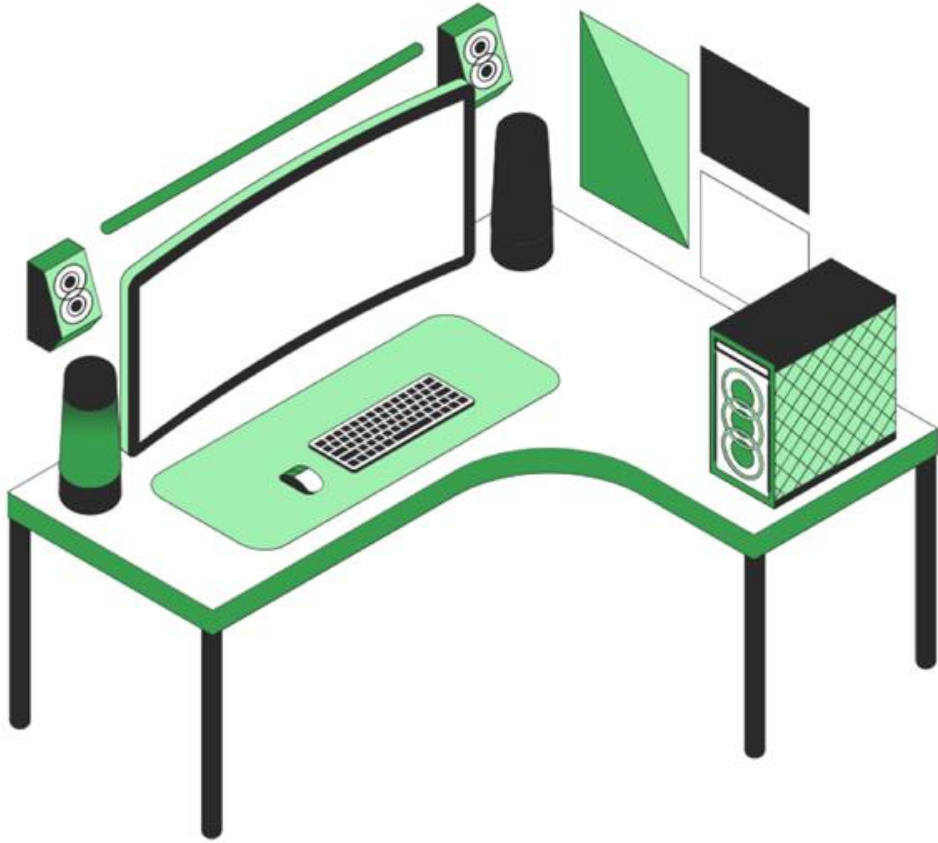
- **Perform a group of operations on S3 objects with a single request.**



S3 Event Notifications

- Perform operations on S3 events
- When object is created, uploaded, deleted etc.
- When replication or lifecycle events occur





Do you
have any
questions?

Send it to us! We hope you learned something new.