

# **S3**

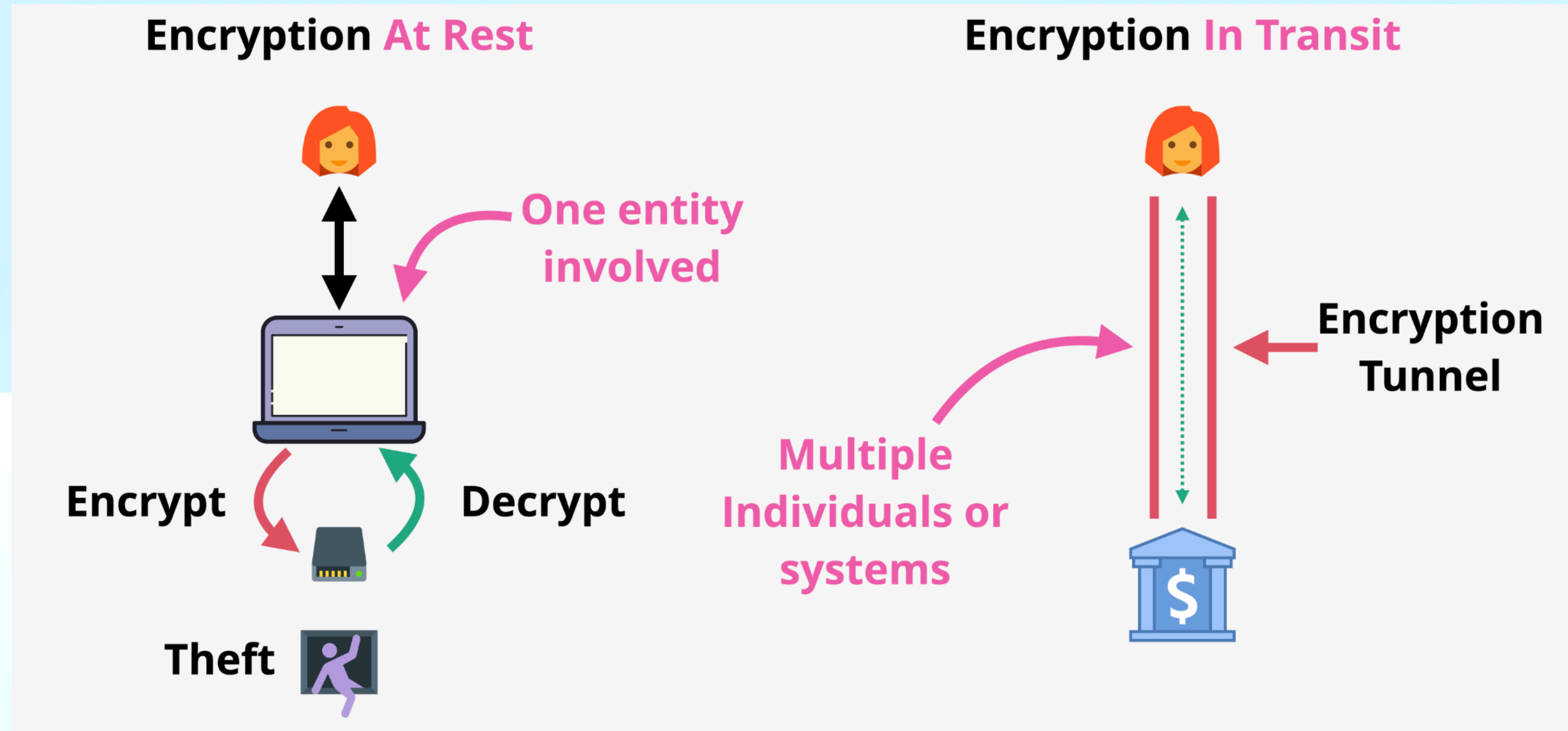
## **( SIMPLE STORAGE SERVICE )**



# Today's Agenda

- What is S3
- S3 Life Cycle Configuration
- S3 Encryption
- S3 Bucket Policies
- S3 Event Notifications

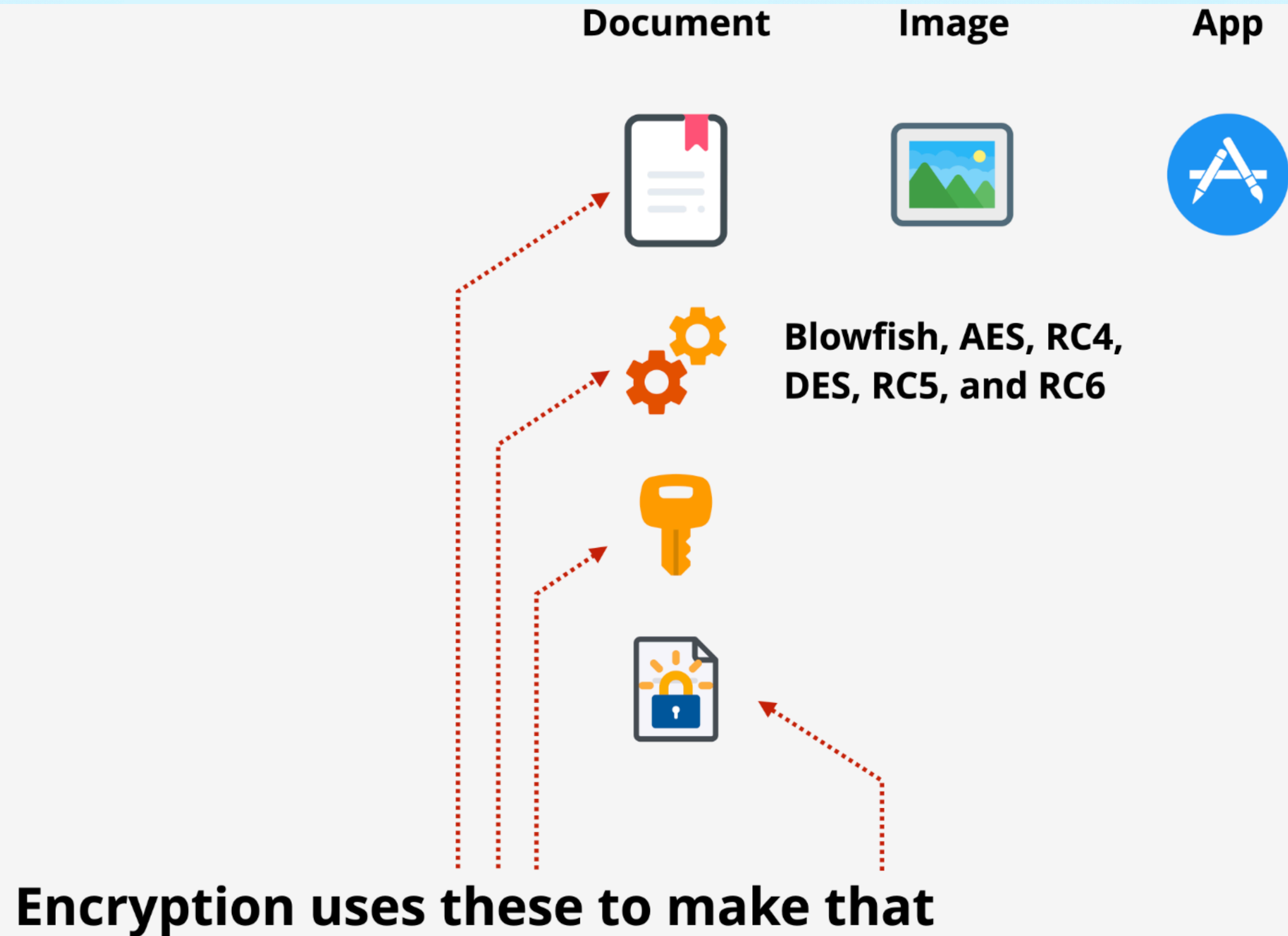
# What is Encryption?





# How Encryption works

- Plaintext
- Algorithm
- Key
- Ciphertext



# Client Side Encryption

- **Client**-Side Encryption

- **Server**-Side Encryption

**Keys  
Process  
Tooling**

**In-Transit**



Users/App

??????



S3 Endpoint

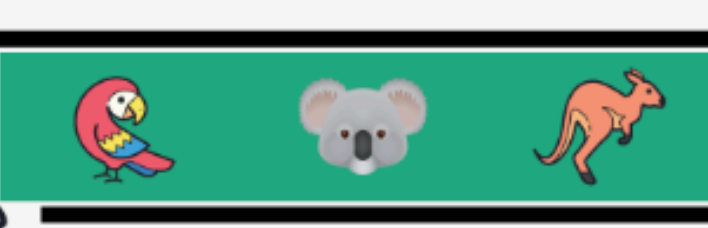
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S3 Storage



Users/App



S3 Endpoint

?????



S3 Storage

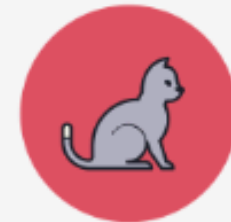
# SSE - C

**Manages  
Keys**

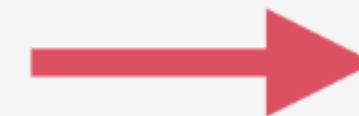
**Manages  
Encryption**



**Users/App**



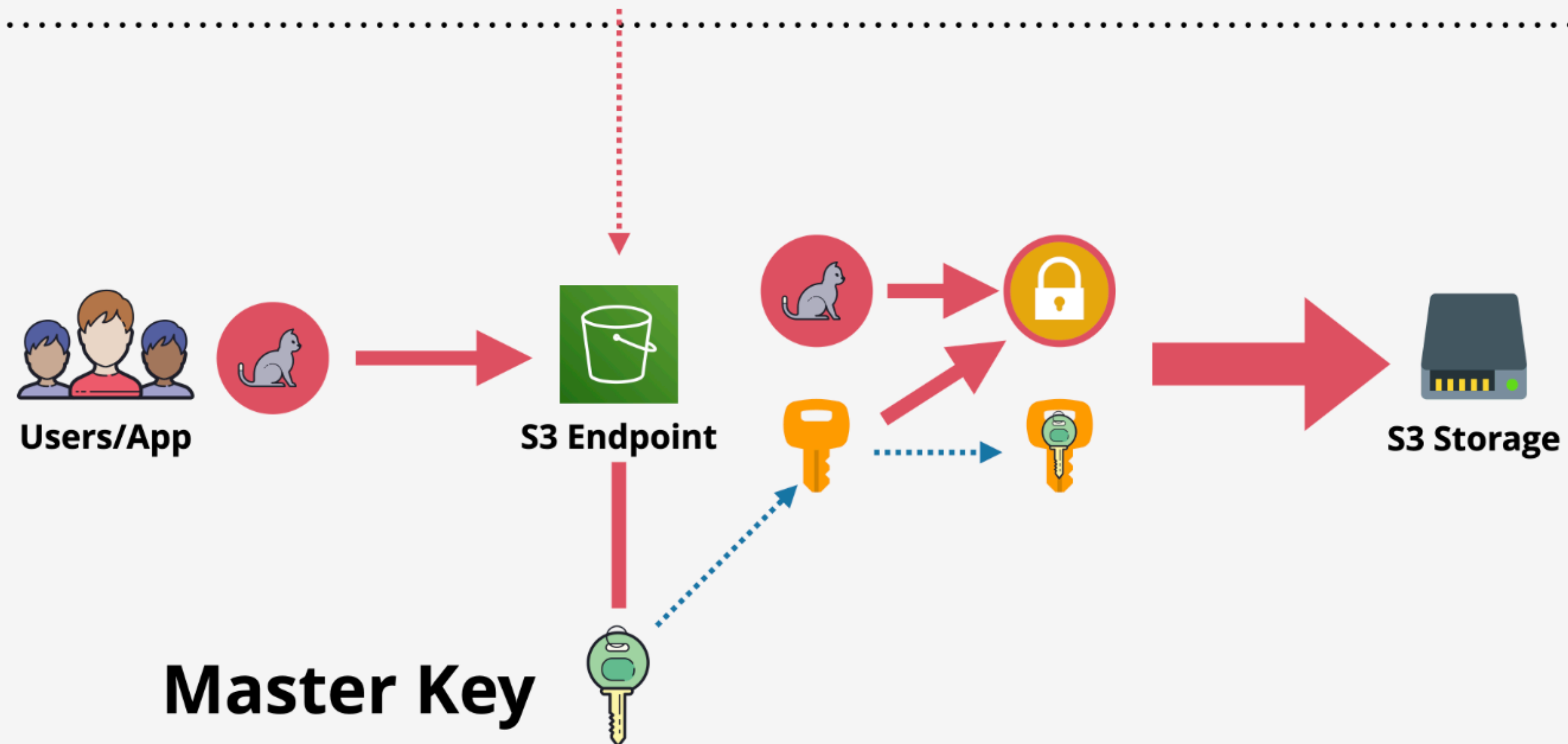
**S3 Endpoint**



**S3 Storage**

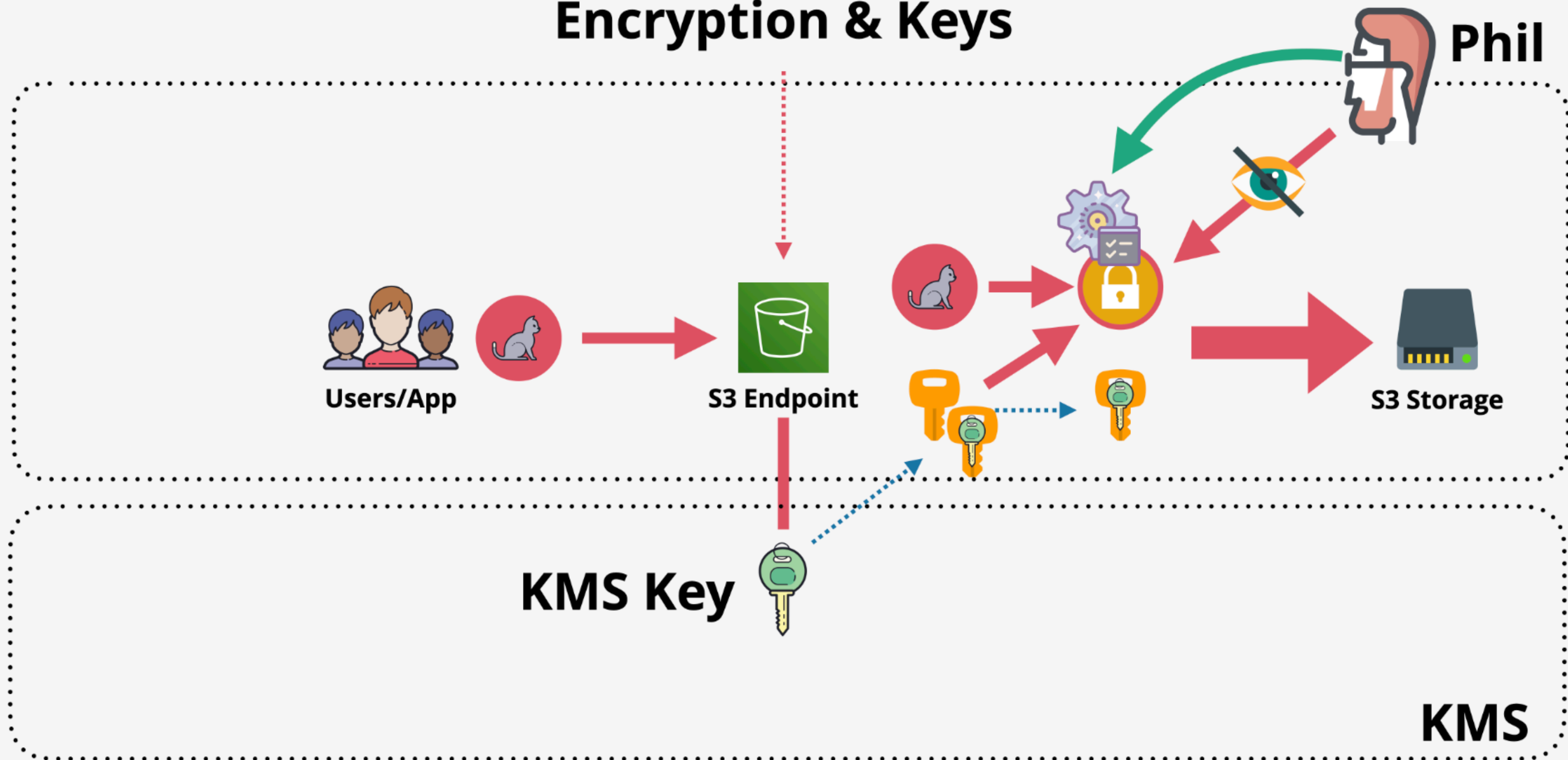


## Manages Encryption & Keys



# SSE - KMS

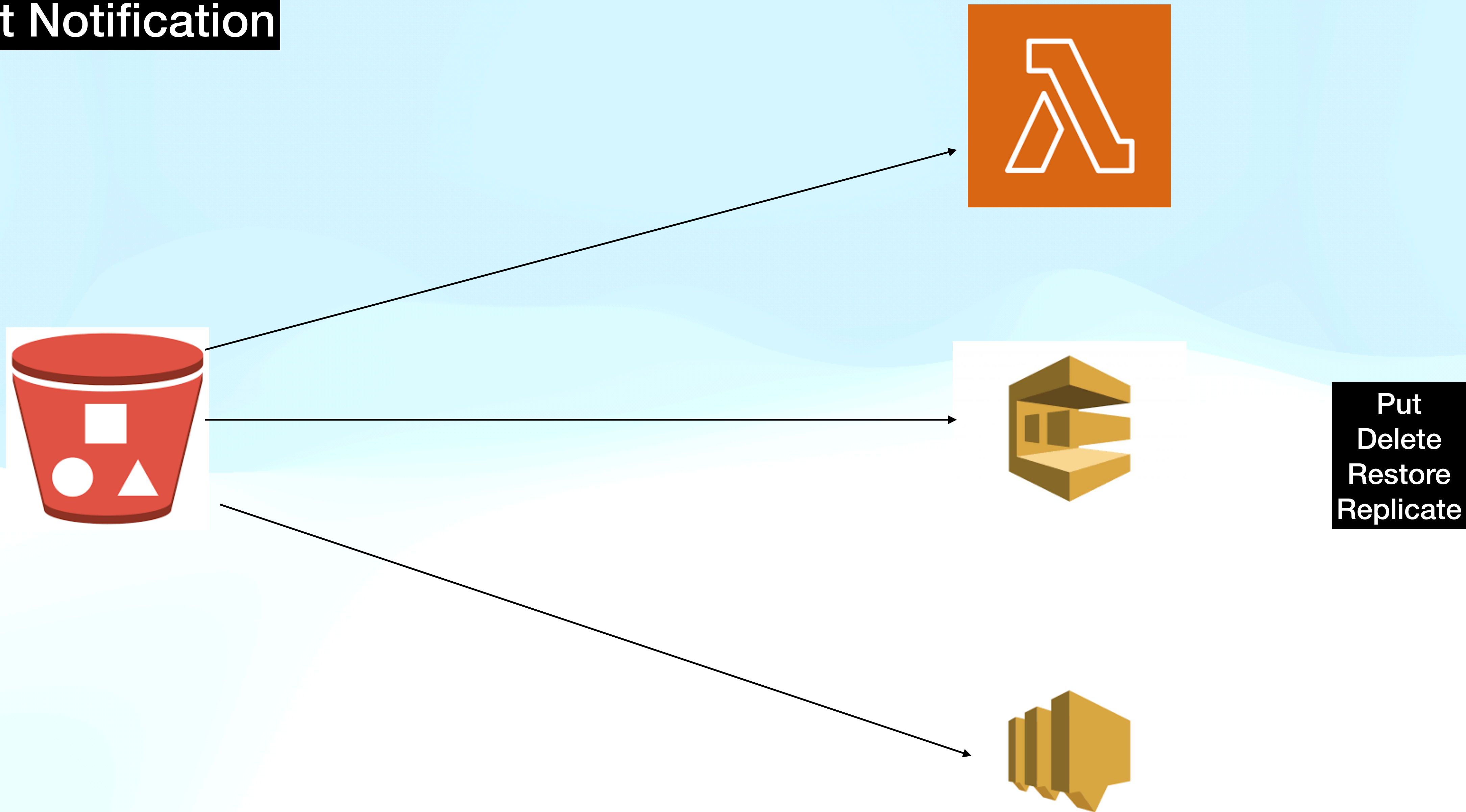
## Manages Encryption & Keys





Method	Key Management	Encryption Processing	Extras
Client-Side	YOU	YOU	
SSE-C	YOU	S3	
SSE-S3	S3	SE	
SSE-KMS	S3 & KMS	S3	Rotation Control Role Separation

# Event Notification





**QUIZ TIME**



# Q & A