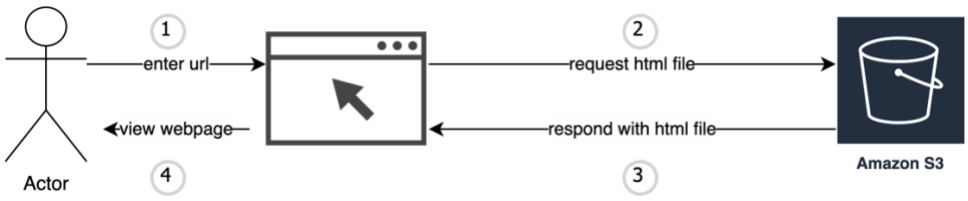
AWS S3 Host Static Website



What is S3

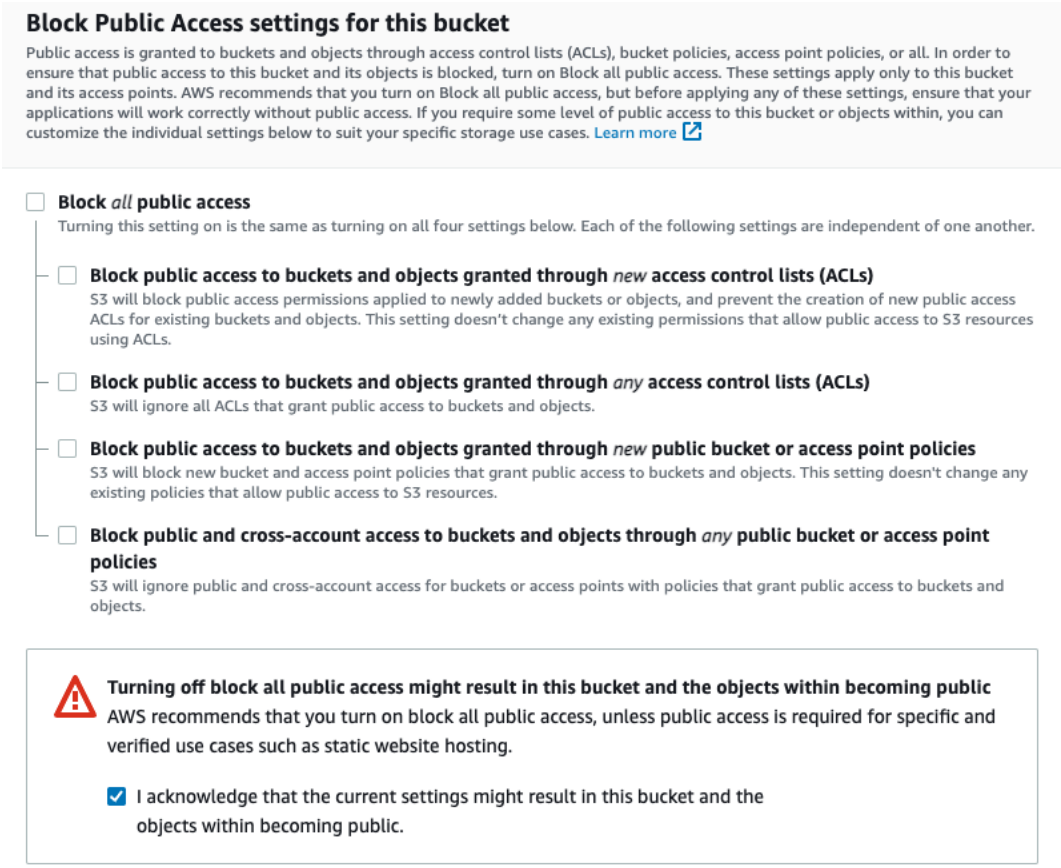
- S3 - Simple Storage Service, 最常见的 AWS service 之一
- 常用来存 static website, media files (video, photo, audio), data backup (backup for database), log files (application log, error log) …
- 使用 S3 的公司: Netflix, Airbnb …
- S3 vs Database:
    - S3 is optimized for storing unstructured object for example audio, video…
    - Cost is lower than most database.
    - S3 object are easy to access through API
    - Use relational database if want to store structured data, want to write complex queries…

Why do we use S3

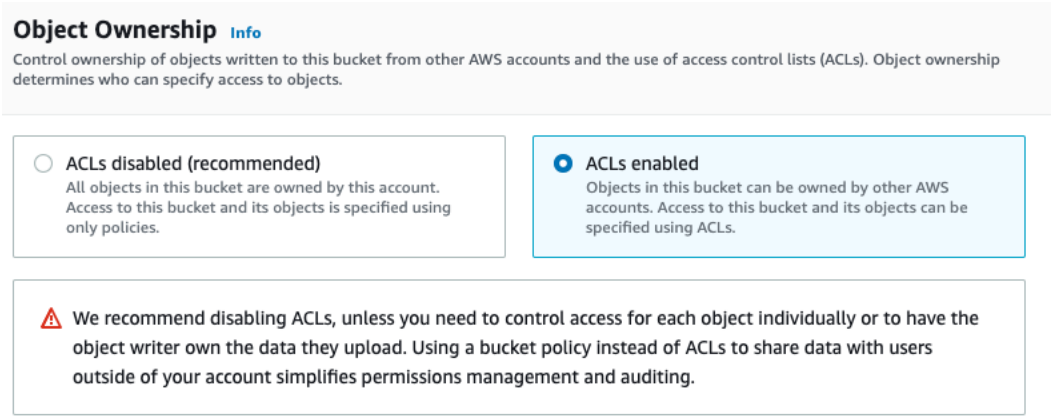
- highly scalable (horizontal scaling - involves adding more servers to a system to increase its capacity and handle more requests. S3 is designed to automatically scale horizontally to handle increased traffic and data storage needs.), high availability (S3 store data across multiple server and data centers), secure, and durable cloud storage service

How to use S3 to host static website (请看视频讲解!)

- Create S3 bucket.
    - Unblock public access.



- Enable ACL (access control list) to allow individual object to be publicly accessible



- Upload everything related to your website to the S3 bucket.
- Make all the file related to your website publicly accessible.

- Enable static website hosting option for S3 bucket