

Introduction

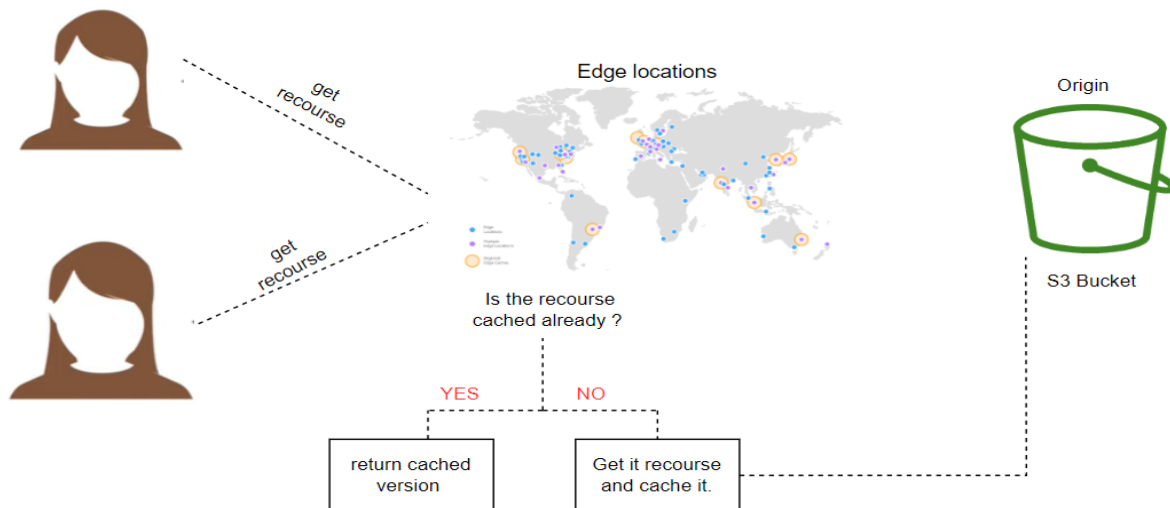
In this document, we will outline the conceptual phase of our cloud architecture design. We will describe the services we plan to use, explain the reasons behind our choices, and provide a visual representation of the architecture.

Description of Cloud Services:

1. Amazon S3: We have chosen Amazon S3 as the primary storage service for hosting since we will be hosting static website content. Amazon S3 provides scalability, high availability, and low-latency access to objects, making it suitable for our use case.
2. Amazon CloudFront: We have integrated Amazon CloudFront as our content delivery network (CDN). CloudFront enhances global content distribution, reduces latency, and improves website performance by caching content at edge locations.

Diagram

To illustrate the interaction of components and the process, we have created a diagram. The diagram describes the flow of data from the S3 bucket to CloudFront and how end-users interact with CloudFront to access our static website content.



Explanation of Decisions

I selected Amazon S3 for its reliability, scalability, and durability in storing our website content.

Amazon CloudFront was chosen to improve website performance, reduce latency, and enhance global access for visitors from around the world.

The decision to integrate a CDN aligns with our goal of providing a highly available and low-latency website.