Agenda

- **CloudFront**

  - **You will learn how to describe the Amazon CloudFront content delivery network (CDN) service.**

What is CloudFront?

▶ CloudFront is a web service that speeds up the distribution of static and dynamic web content (such as .html, .css, .js, and image files) to users.

▶ CloudFront delivers content through a worldwide network of data centres that are called edge locations.

Amazon CloudFront

Key features

- CloudFront key features include the following:

  - Security

  - Availability

  - Edge computing

  - Real-time metrics and logging

  - Continuous deployment

  - Cost-effectiveness

Use cases

Companies are able to accomplish the following through CloudFront:

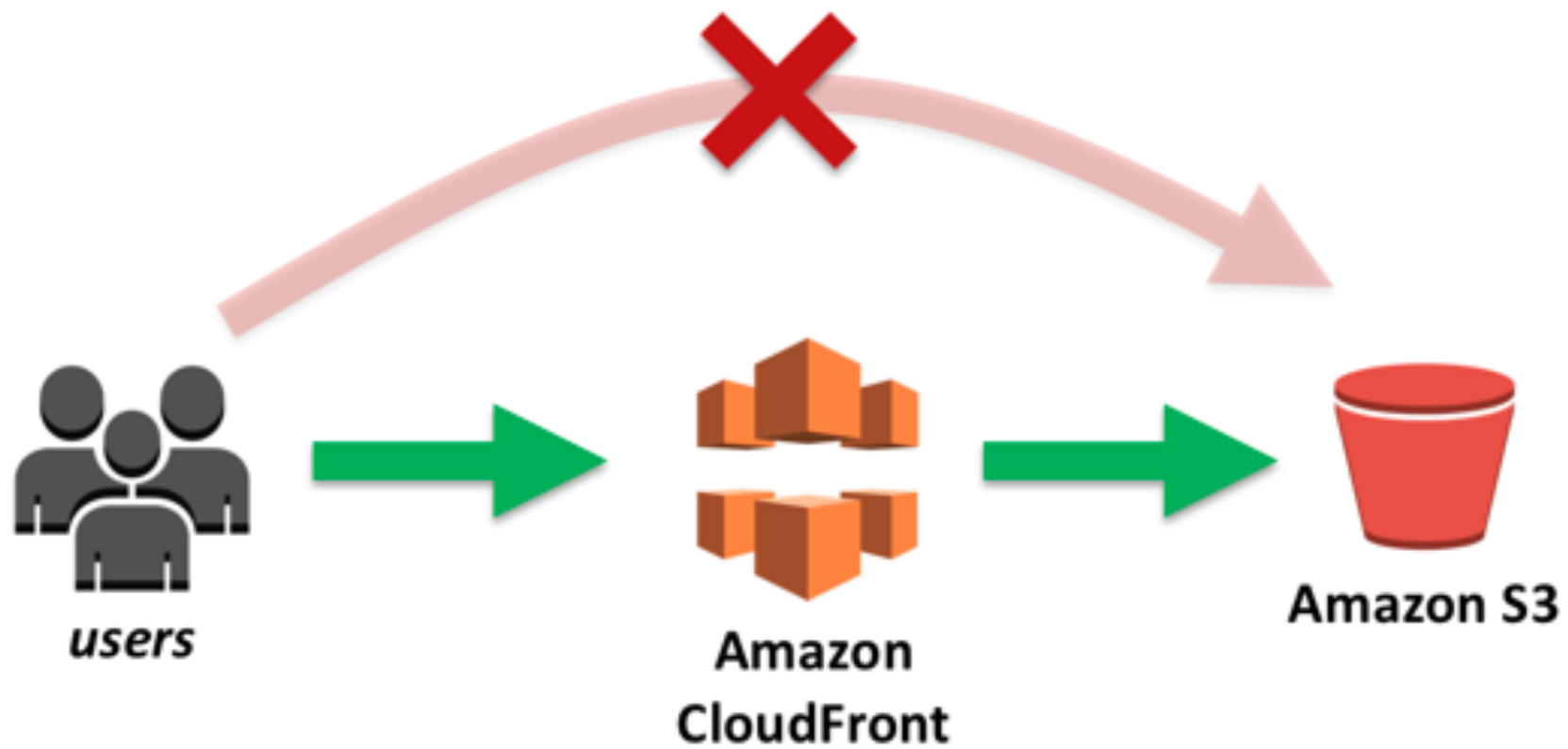

Deliver fast, secure websites.

Accelerate dynamic content delivery and APIs.

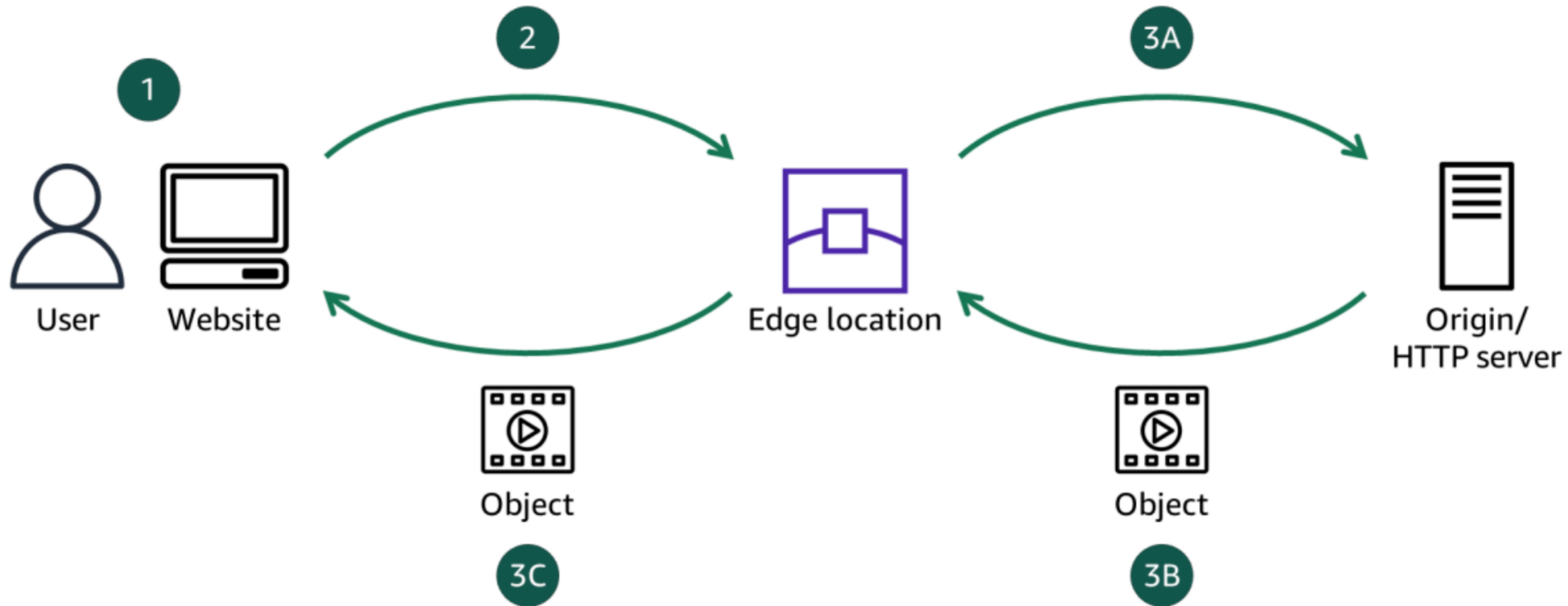Stream live and on-demand video.

Distribute patches and updates.

How CloudFront delivers content to users

Cost estimation

- What are the factors that determine cost?
- Traffic distribution
  - Pricing varies across geographic Regions based on the edge location.
- Requests
  - Number and type of requests
  - Geographic Region
- Data transfer
  - The amount of data transferred out of ClodFront edge locations

Checkpoint questions 1/3

▶ Where does CloudFront serve popular or frequently accessed content from?

▶ Regions

▶ Availability

▶ Edge Locations

▶ Subnets

Checkpoint questions 1/3

▶ Where does CloudFront serve popular or frequently accessed content from?

▶ Regions

▶ Availability

▶ Edge Locations (correct)

▶ Subnets

Checkpoint questions 2/3

▶ What are the key benefits of using CloudFront?

▶ Security

▶ Availability

▶ Cost-effectiveness

▶ Continuous deployment

Checkpoint questions 2/3

▶ What are the key benefits of using CloudFront?

▶ Security (correct)

▶ Availability (correct)

▶ Cost-effectiveness (correct)

▶ Continuous deployment (correct)

Checkpoint questions 3/3

▶ How are costs for CloudFront determined? Any two

▶ Geographic Region, number and type of requests

▶ Availability

▶ Amount of data that is transferred out

▶ Storage

Checkpoint questions 3/3

▶ How are costs for CloudFront determined? Any two

▶ Geographic Region, number and type of requests (correct)

▶ Availability

▶ Amount of data that is transferred out (correct)

▶ Storage