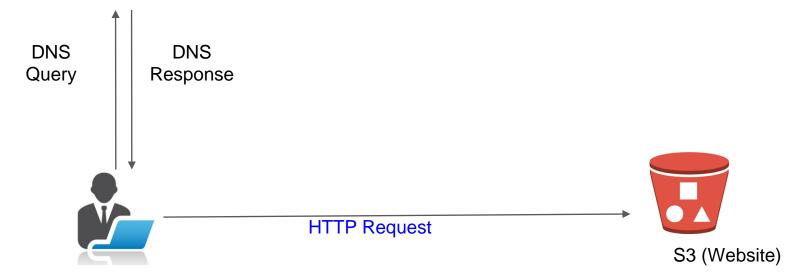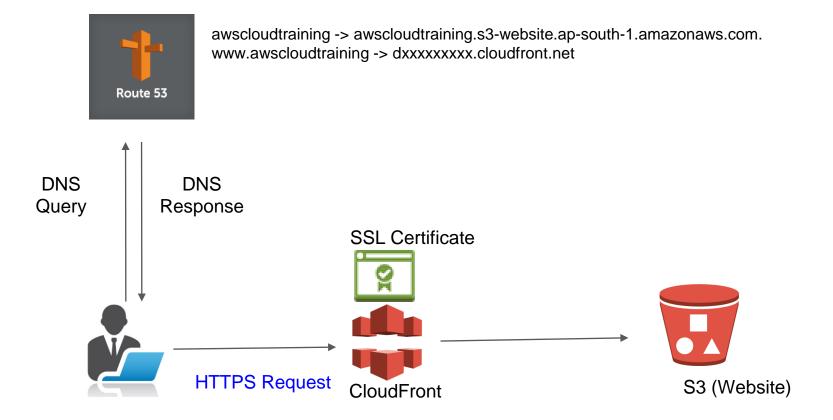# Last exercise: Static Website on S3

awscloudtraining -> awscloudtraining.s3-website.ap-south-1.amazonaws.com.
www.awscloudtraining -> www.awscloudtraining.s3-website.ap-south-1.amazonaws.com.

Route 53

DNS
Query

DNS
Response

HTTP Request

S3 (Website)

Static Website on S3 through CloudFront

awscloudtraining -> awscloudtraining.s3-website.ap-south-1.amazonaws.com.
www.awscloudtraining -> dxxxxxxxxx.cloudfront.net

Route 53

DNS
Query

DNS
Response

SSL Certificate

HTTPS Request

CloudFront

S3 (Website)

What we need?

1. Domain Name from Godaddy
2. S3 bucket with same name as domain name
3. S3 bucket with www subdomain name
4. Static Website contents
5. AWS CloudFront
6. AWS Route53 Public Hosted Zone
7. **Digital Certificate (SSL/TLS)**

Additional Steps for HTTPS

1. Get the SSL Certificate for your domain name using Amazon Certificate Manager (ACM)
   a. This may take upto 30 minutes
2. Create CloudFront Web Distribution with origin as S3 endpoint (www bucket)
   a. Redirect HTTP requests to HTTPS
   b. Set Root document as index.html
   c. Configure custom domain for CloudFront (www.awscloudtraining.com)
3. Modify Route53 record set to point to newly created CloudFront distribution