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Amazon CloudFront

A global content delivery network (CDN) service that securely delivers data, videos, applications, and APIs with low latency and high transfer speeds.

Why use Amazon CloudFront?

Global Content Delivery Network

CloudFront content delivery network is built on the expanding global AWS infrastructure, including 44 Availability Zones within 16 geographic regions, with plans for 14 more Availability Zones and five more Regions. There are 100 Points of Presence in 50 cities across 23 countries, helping you deliver high availability, scalability, performance for customers all over the world.

Secure Content at the Edge

CloudFront is a highly secure CDN with both network and application level protection. It is integrated with AWS WAF and AWS Shield Advanced to protect you from sophisticated threats and DDoS attacks. The infrastructure and processes are compliant with PCI, DSS, HIPAA and ISO to ensure secure delivery of sensitive data. You can deliver secure APIs or applications via SSL/TLS with advanced SSL features.

Integration with AWS Services

CloudFront is deeply integrated to work with AWS services including Amazon Simple Storage (Amazon S3), Amazon Elastic Compute Cloud (Amazon EC2), Elastic Load Balancing as back-end origin resources and Amazon Route 53. Integration with AWS Lambda allows you to execute custom logic across the AWS global network without managing servers, and integration with Amazon API Gateway helps accelerate delivery of your APIs.

High Performance

CloudFront content delivery network is optimized for low latency and high data transfer speeds. CloudFront is directly connected with hundreds of end-user ISPs and uses the AWS backbone network to accelerate delivery of your content end-to-end. It offers regional edge cache locations to ensure consistently high cache hit ratios across the globe.

Cost Effective

With CloudFront, there are no upfront payments or fixed platform fees, no long-term commitments, no premiums for dynamic content, and no requirements for professional services to get started. If you use AWS origins, you don't pay for any data transferred between services and CloudFront. You can start with CloudFront for free.

Easy to Use

All CloudFront features can be easily configured using APIs or AWS Management Console. CloudFront automatically scales to meet your needs and works with your existing AWS tools, such as AWS CloudFormation, AWS CLIs and SDKs, and AWS CloudWatch to monitor the performance of your Amazon CloudFront distributions.

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