

# Bytes AWS CloudFront

## Content delivery that delivers

Are you forever waiting for your data to transfer? Worry about the risks your data is exposed to when mobile? Want to review your content delivery strategy?

### Outdated content delivery can be time consuming, costly, expose your invaluable data, and put your business at risk.

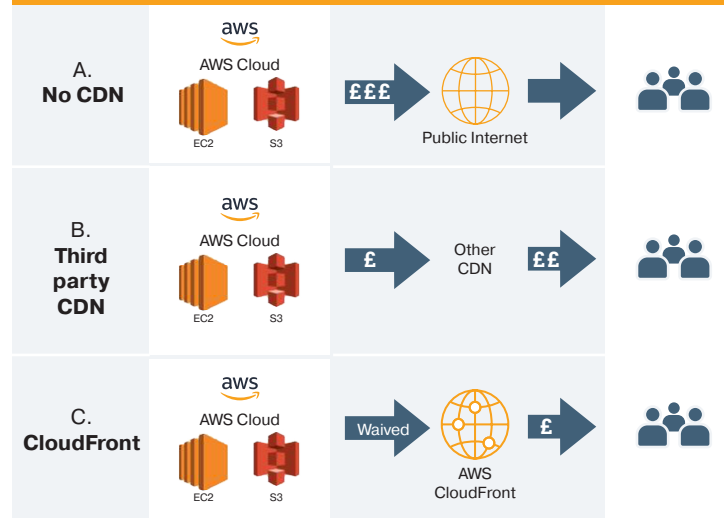
The AWS content delivery network (CDN) reduces costs while increasing the security and efficiency of your data transfer.

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to your customers globally with low latency and high transfer speeds, all within a developer-friendly environment. CloudFront works seamlessly with other AWS services, including Amazon Shield Standard for DDoS mitigation, and Amazon S3, Elastic Load Balancing, or Amazon EC2 as origins for your applications.

Bytes has the experience and expertise to help you get started with CloudFront in minutes.

By working with Bytes, you have access not only to our experienced engineers, but also to exclusive CloudFront pricing to suit your requirements, meaning you can save even more money.

### Data Transfer Cost (DTO) optimisation



### AWS CloudFront - Bytes benefits



**Performance** – With our knowledge and expertise, Bytes can help you implement CloudFront and improve the performance of your application. Reduce latency by delivering data through 275+ globally dispersed points of presence (PoPs) with automated network mapping and intelligent routing.



**Security** – As well as helping you implement AWS security tools, Bytes has relationships with many other security vendors, meaning we can help you identify and implement a security solution best suited to your needs. Improve security with traffic encryption and access controls, and use AWS Shield Standard to defend against DDoS attacks at no additional charge.



**Deep integration with AWS Services** – In addition to the AWS console, Bytes gives you access to CloudHealth, giving you even greater visibility into your AWS infrastructure including enhanced security and cost optimisation recommendations. Amazon CloudFront is integrated with AWS services such as Amazon S3, Amazon EC2, and Elastic Load Balancing. They are all accessible via the same console and all features in the CDN can be programmatically configured by using SDKs or the AWS Management Console.



**Cost** – By adopting CloudFront instead of Data Transfer Out or an external CDN you can expect to save >20%. By working with Bytes, savings can quickly increase as we get significant discounts off AWS list prices, and we will help you optimise all aspects of your AWS infrastructure thus saving you even more money! Cut costs with consolidated requests, customizable pricing options, and zero fees for data transfer out from AWS origins.





### Static asset caching

– CloudFront offers a cache to improve latency and lower the load on your origin servers. Caching static content gives you the performance and scale that you need to give viewers a fast and reliable experience when visiting your website.



### Media streaming

– The Amazon CloudFront CDN offers multiple options for streaming your media - both pre-recorded files and live events - at sustained, high throughput required for 4K delivery to global viewers.



### Security

– CloudFront integrates seamlessly with Amazon Shield Standard for Layer 3/4 DDoS mitigation. In addition, CloudFront negotiates TLS connections with the highest security ciphers. CloudFront also integrates with Amazon Identity and Access Management (IAM) to control access.



### Dynamic content and API acceleration

– Amazon CloudFront can be used to secure and accelerate your API calls.



### Software distribution

– Amazon CloudFront scales automatically as globally-distributed clients download software updates. You can make your software available right at the edge where your users are, via the content delivery network. The CDN's high data transfer rates speed up the delivery of your binaries, improving customer experience while lowering your costs.

## Bytes AWS: Delivering extended access and calculated solutions

### Why Bytes AWS?

**Bytes is an Advanced AWS Consulting Partner; we work very closely with AWS to deliver solutions as AWS intended and have access to programs customers don't have direct access to. We also offer many other benefits:**

AWS provides tools, Bytes provides solutions – AWS has been built to be on-demand, self-service and self-deploy. Offering over 200 services can make this hard to manage. Because of this, AWS leverages Bytes to scale and help more customers.

Bytes complements the AWS portfolio by offering the necessary additional services, ProServ, Managed Services, Support, billing aggregation, business application – Bytes offers the services that complete your IT needs (network, connectivity, DR, business apps, backup, etc.). The Bytes combined portfolio offers a one-stop-shop for all your infrastructure, IT, devops, security and AI/ML needs.

Bytes is the trusted AWS Partner for 100s of customers on the market – SOHO, SME and Corporate customers at all stages of the cloud journey look to Bytes for advice and service recommendations.

AWS doesn't offer great discounts and support for SOHO and SME customers – AWS has entry level discount programs while Bytes can buy in bulk, passing on extra discount to customers. Bytes Enterprise support is also available, whereas AWS doesn't offer great support until customers spend significant monthly amounts.

aws partner network

Advanced Consulting Partner

Digital Workplace Competency

Microsoft Workloads Competency

Well Architected

Public Sector Partner

Solution Provider

**If you think AWS CloudFront is for you, or more information, contact us today at: [tellmemore@bytes.co.uk](mailto:tellmemore@bytes.co.uk) | 01372 418500**