



***KITE : PROCESSING MILLIONS OF HITS  
WITHOUT INTERRUPTION***

[www.5centscdn.net](http://www.5centscdn.net)

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## Introduction




One of the main reasons why websites crash is the increasing number of customers, site visitors, and search engine bots.

Your platform crashing may not be the only disaster. A high-traffic website can experience a significant drop in revenue even when it slows down under a heavy workload.

Studies show that anything over 4-5 seconds in page speed loading time is unacceptable nowadays, so it's crucial to keep consistent site performance. In the age of the internet, organizations are increasingly reliant on internet-based services, so developers and system administrators are focused on creating reliable infrastructures that minimize downtime.

The loss of sales caused by the unavailability of a website, API, or another service can be significant.

- Interruptions can lead to unsatisfied customers and users and a general decline in consumer confidence.
- Your organization will lose productivity if it is dependent on service to perform its tasks.
- Your team's morale can be affected by frequent downtime alerts and constant scrambling to resolve problems.



Higher volume on a website can lead to downtime. This can ultimately cost a huge blow in terms of revenue and customer satisfaction.

An efficient content delivery network platform offers an infrastructure that streamlines the flow and helps in processing millions of hits without any kind of interruptions.

Therefore, optimizing high-traffic websites and apps from the very beginning provides many benefits, both financial and brand image-related.

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### The Goal



KITE (Kerala Infrastructure and Technology for Education) was in dire need of a stable infrastructure to avoid any downtime during a critical time of high traffic. Especially when the results are uploaded on the web, the challenge of maintaining the platform and preventing it from crashing is the hardest task that only a capable CDN platform can do.

It is impossible for a web server to support requests from more than a certain number of people at any one time. As soon as that number is exceeded, the website will load slowly.

With higher traffic, server providers may need to devote more resources to the overall infrastructure as well.

The same was the case with Kerala Infrastructure and Technology for Education. They suffered from a similar issue where they found it challenging to manage the high volume.

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### The Challenges for KITE



When the website receives thousands of visitors every day, the underlying infrastructure needs to be able to support the traffic.

High traffic means a large number of simultaneous requests from users expecting fast load times. Preparing a platform for high traffic is the process where work is required for a proactive and interdisciplinary way to achieve the best results.

Kerala Infrastructure and Technology for Education has faced challenges that could be a big hurdle toward their potential growth.

As compared to the other leading platforms, they had to struggle to give their users a satisfactory experience as they expected 20 million hits in one hour upon publishing the results.

Traditional hosting servers are unable to handle such a high volume of traffic. The ultimate goal of the company is to cater to the user's requirements and ensure a smooth and sturdy workflow.

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### Why Choose 5centsCDN



At the most affordable price, 5centsCDN offers remarkable global content delivery through its advanced infrastructure.

The cost of the bandwidth starts at five cents per gigabyte without compromising the quality of the content. Your audience will enjoy a world-class experience with the fastest streaming on your radio.

Additionally, 5centsCDN differs from the rest because clients do not need to make any commitments or sign contracts to opt-in, nor do they have to pay for the setup.

5centsCDN came up with the ideal solution to help KITE overcome any challenges. The company contacted us to provide the CDN solution to publish results with no downtime and high loading speed.

This goal was achieved with smooth and sturdy content delivery using 5centsCDN. After exploring the most practical and industry-competitive features, they decided to go with us and experience uninterrupted hits from 48.067 million users.

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### A Positive Outcome



You can improve user experience and decrease abandonment rates on your high-traffic website by making small changes.

The more satisfied visitors are, the more likely it is that content, products, and services will perform better and receive more page views.

In order to maintain the reliability of your site, you should continue to monitor it and make changes as necessary. 5centsCDN has ensured that KITE can handle the rush and serve results without delay.

Their clients are satisfied with the overall performance of the platform, hence they decided to partner with 5centsCDN in the future for their plus two results as well.

We have equipped the company to meet and exceed the performance standards while retaining full control over the content.



## Best way to accelerate your web

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## Why 5centsCDN

Through their advanced infrastructure, 5centsCDN offers remarkable content delivery across the globe at the most affordable price. Bandwidth prices start at 5 cents per GB.

With the fastest streaming, you can eliminate the buffering time on your website and provide your audiences with a world-class experience. Moreover, what sets 5centsCDN apart from the rest is that to apt-in, the clients don't have to make any commitments, and there's no need to sign any contracts, or pay for the setup.

As another gem in our crown, [CDN overview](#) has placed 5centsCDN at the top of their comprehensive list of leading content delivery networks.

Speed Up Your Website >