


# WHAT IS CDN

 @codechips

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## Lets say you want to have Red Bull

Eventhough Red Bull gives you wings ,  
It will take a lot of time if you have to  
fly to its HeadQuarters and get one



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And due to geography variations other things like - currency would also vary

Only Euros  
accepted



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This is solved by providing a Local Red Bull Delivery Network through Local Stores



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This is what CDN does in the  
Web World


**C** Content

**D** Delivery

**N** Network

A content delivery network (CDN) refers to a geographically distributed group of servers that work together to provide fast delivery of Internet content

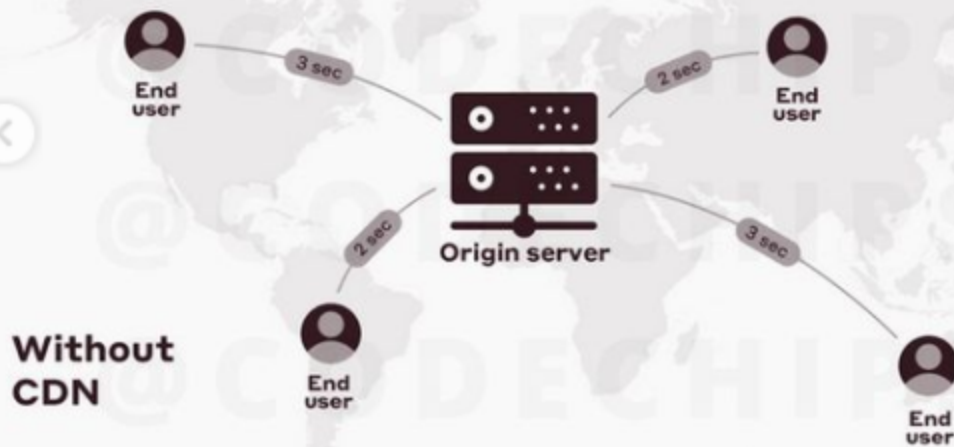
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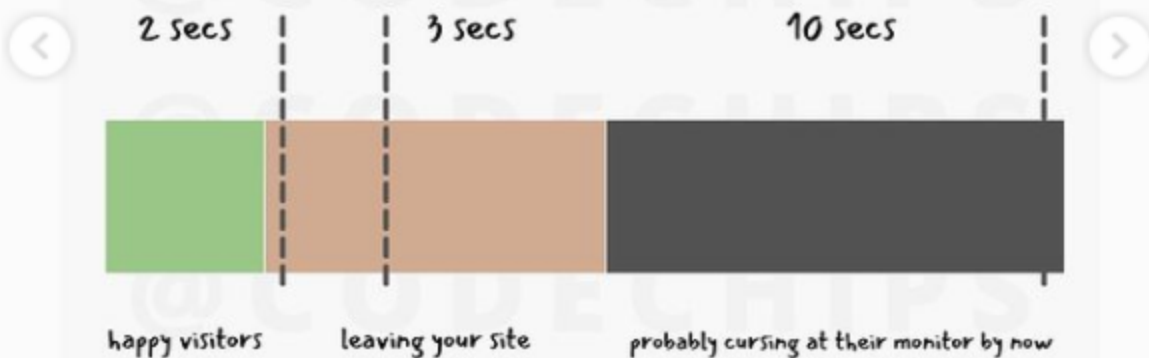
When a Web Page is served from a Single Server ,  
it may take longer time to load depending on  
geographic distance (fiber/Internet)



Source : nitropack.io

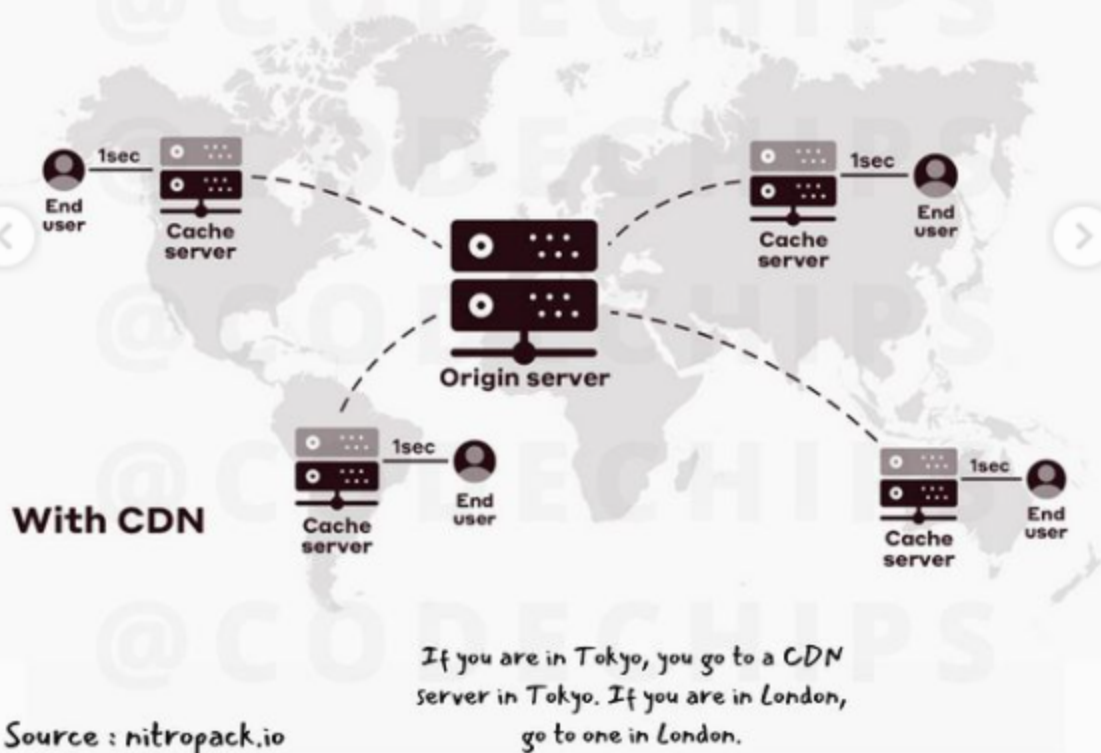


Though the time differences may not be huge but **40%** of consumers will wait no more than **three seconds** before abandoning a site





To minimize the distance between the visitors and your website's server, a CDN stores a **cached** version of its content in multiple geographical locations (a.k.a., points of presence, or PoPs)







## CDN helps to

Reduce  
Bandwidth costs

Enable Advanced  
Website Security

Improve website  
load times


Allow Audience  
Segmentation

Enhance Content  
Availability

Scale  
Effectively

Source : [learn.accelerator.shimmercat.com](https://learn.accelerator.shimmercat.com)

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