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Assignment, CDN (Content Delievery Network)

A Content Delevery Network (CDN) is a system of distributed Servers that deliever web content and other digital media to users based on their geographic Cocalion, network, topo graphy and other factors. The goal of CDN is to seduce the latency 4 Improve the performance of delivery of web content, which can include useb pages, images, violeos, music and other types of. files.

When a user requests a file from a medsite that is post of CDN, the request is sociled the server that is closest to the user's location. This reduces the distance that the file needs to be framed, which reduces the latency a improved the speed of oldlievery. The CDN may also cashe the file on the server, so delievery. The CDN may also cashe the file on the server, so that It can be delivered more quickly to future request.

CDNs can also help to reduce the local on the origin server of the website by serving files from the CDN's cashe, which reduces the number of requests that need to processed by the origin server. This can help to improve the overall performant questions of the website.

CDNs can be implemented using a rasiety of technologies and protocols, including HTTP(s), DNS & TCP(ID. They can be used from small scale to large scale websites



are many companies that offer CDN services. including Amazon web service, cloudflare, Alcamar, Fastly & many others. CDN alepends on websites traffic valume, geographie dutabilities of users & Specific performance requirements. Music 1 Deslop Sexvices grand branch (clients) It has