* A device, virtual device, computer programme, or anything that offers functionality to other programmes or devices—referred to as "clients"—is referred to as a server.
* A domain name is a text-based label that is simpler to remember than an IP address (which is used to identify computers, networks, and services on the Internet).
* A cname
* A web server's functions include storing, processing, and displaying the codebase of a website and sending users web pages (mostly HTML and CSS) via the HTTP protocol.
* The application server's job is to run server-side code, including PHP, Ajax, JSP, and others, in order to provide dynamic content.
* A database's job is to efficiently and methodically manage data in an orderly way so that it may be added, accessed, updated, managed, and deleted with ease.

## Issues

* Having a single server with a single web server, application server, and database is the first of many single points of failure. A component of a system that, if it malfunctions, will render the entire system inoperable is known as a single point of failure.
* Due to the server's reliance on a single code base that isn't currently available, the outage may last longer than anticipated. As a result, users won't be able to access the website or its contents, which will negatively impact user experience and drive away traffic.
* Because the domain name points straight to the server, it lacks a load balancer, making it easier to handle growing loads. This limits the amount of users the website can support or, alternatively, creates a problem for the volume of users attempting to access the information, which may result in a bad user experience.