A server is a computer system or software that provides services or resources to clients over a network. It can handle tasks such as hosting websites, processing data requests, and running applications.

The role of the domain name

A domain name is a human-readable label that maps to an IP address, allowing users to access resources on the internet. It serves as an identifier for locating specific servers or services.

Type of DNS record is www in www.foobar.com

The "www" in a domain like www.foobar.com is a record that aliases the domain to another domain or hostname, facilitating easier access for users.

The role of the web server

A web server is software responsible for serving web content to clients' web browsers in response to HTTP or HTTPS requests. It handles processing and delivering web pages, files, and other resources.

The role of the application server

An application server executes and manages applications, handling business logic, user authentication, and data processing. It interacts with databases and external services to generate dynamic content.

The role of the database

A database stores and manages structured data used by applications. It provides mechanisms for data retrieval, storage, and manipulation, supporting functionalities such as user profiles, transactions, and content storage.

The server communicates with the user's computer using the HTTP or HTTPS protocols, which define how data is formatted and transmitted between the server and the client's browser.