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Computer Networking Principles

11/10/21

Homework 9

4.22:

The Domain Name System's (DNS) overall goal is to provide a service that converts human-readable symbolic names into computer addresses.

4.23:

If ISO has assigned N nation codes, there are N top-level codes. One of the top-level domains is a country code, and each one becomes its own top-level domain.

4.24:

False, since a web server's domain name does not have to begin with www. The usage of www in the name of a machine that runs a web server is only a convention. Even if the computer's domain name does not contain www, it can operate a web server.

4.26:

When the requested name is not found on its server or in the cache, a domain name server sends a request to an authoritative server. When the server is the authority for the name requested or the name is located in the cache, it also responds to the request without forwarding it to the authoritative.

4.30:

When a DNS client requests name resolution from a DNS server, it iterates over numerous servers until it receives a response.