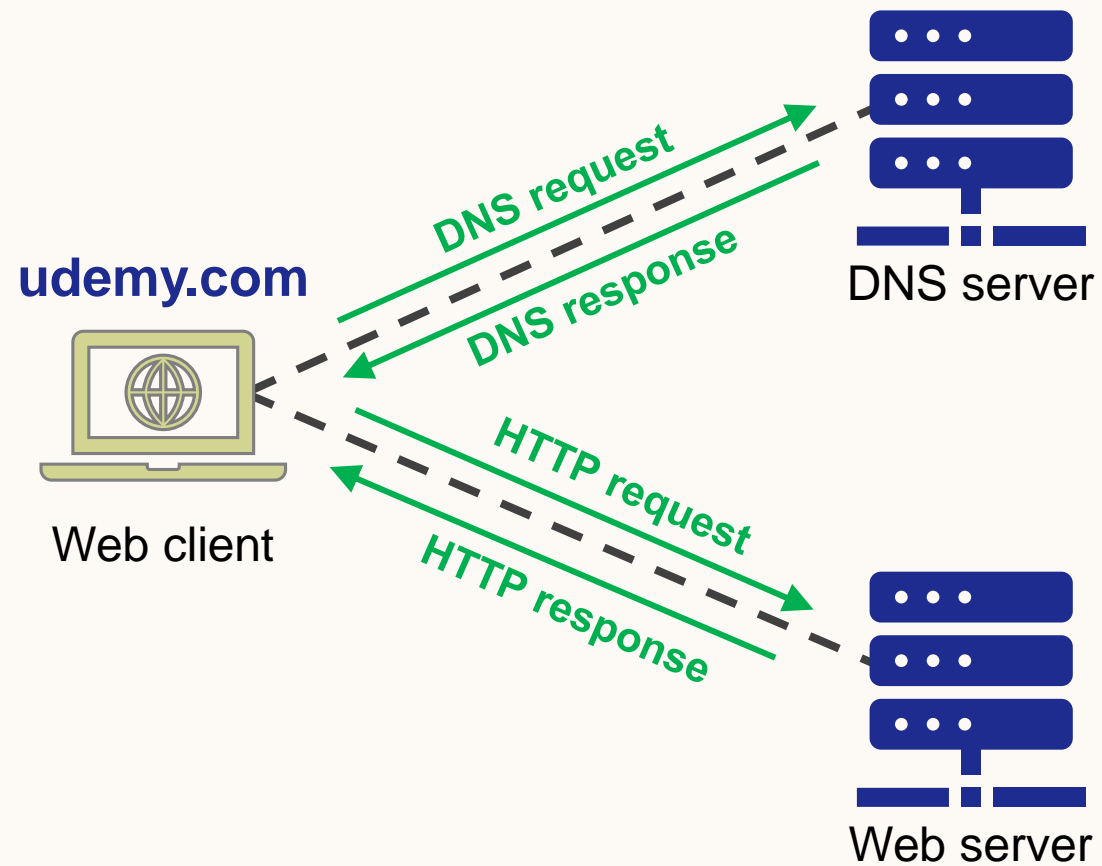# DNS

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WHAT'S DNS?

The Domain Name System (DNS) is a hierarchical and distributed naming system for computers, services, and other resources on the Internet.

DNS translates human readable domain names (for example, www.udemy.com) to machine readable IP addresses (for example, 104.16.66.85).

HOW DOES IT WORK?

udemy.com

DNS request

DNS response

DNS server

Web client

HTTP request

HTTP response

Web server

DNS TOOLS

```
nslookup nasa.gov
ping nasa.gov

ipconfig /displaydns
ipconfig /flushdns
```

DNS

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