

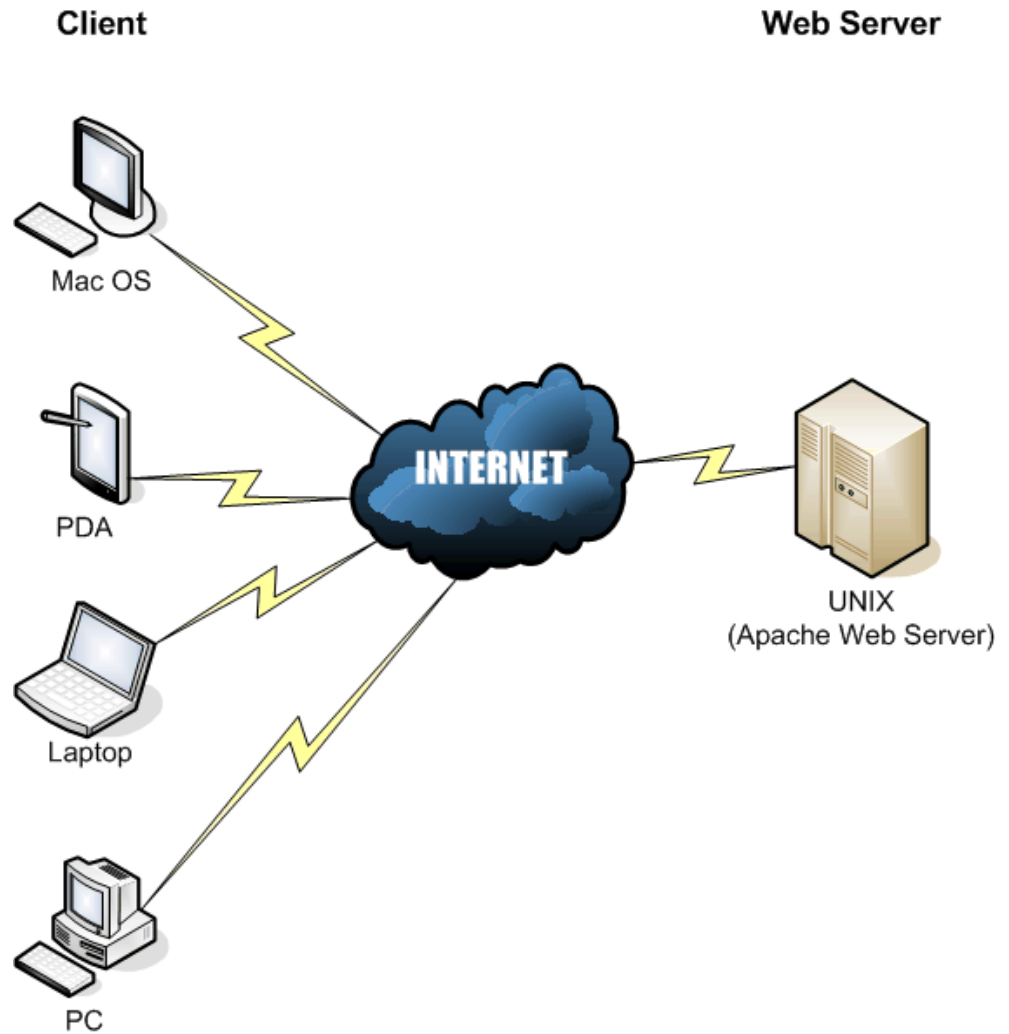
# UNDERSTANDING SIMPLE WEBSERVER

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# UNDERSTANDING WEB CLIENT-SERVER

WWW, Web, Internet

- Client - Server model



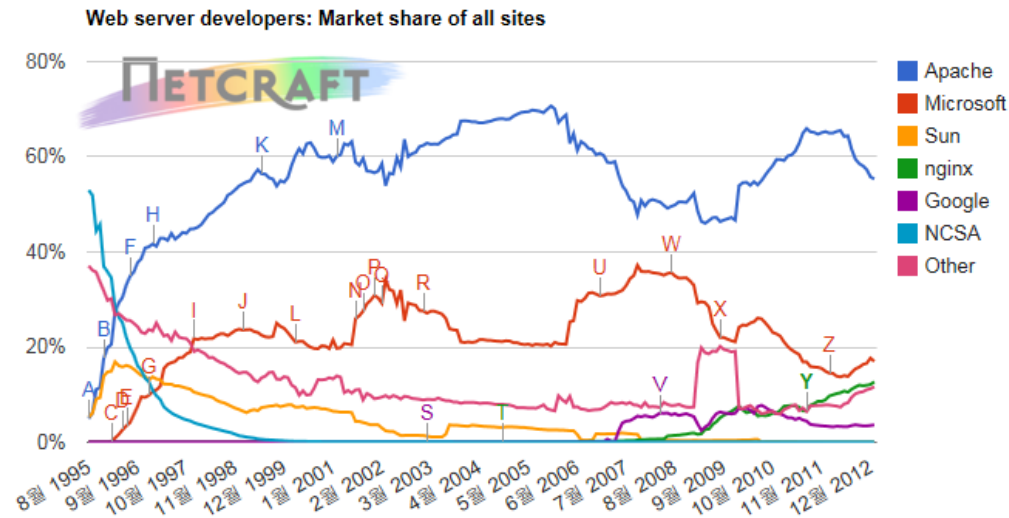
# UNDERSTANDING WEB CLIENT-SERVER

## Web client (Web browser)

- Google Chrome
- Microsoft Internet Explorer
- Netscape Navigator
- ...

## Web server

- httpd
- Major web servers
  - Apache  
(<http://www.apache.org>)  
by Apache foundation
  - Internet Information Sever (IIS)  
by Microsoft
  - NGINX



# WHAT A WEB SERVER DOES

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1. Waiting incoming connection from client browser
  - TCP connection
  - e.g.) <http://www.jbnu.ac.kr/blah/alah/it.html>
2. Find `it.html` file
  - In directory [/some/path/...../blah/alah/](#)
3. Read [it.html](#) file
4. Send the content of `it.html` to client

That's all !!

# WHAT A WEB SERVER DOES

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Actually, there are more things to do

- Protocol type
- Contents handler
- CGI (Common Gateway Interface) handler
- Error handler
- ...
- ...

# TESTING A WEB SERVER

```
bash-3.1$ telnet www.naver.com 80
Trying 202.131.30.12...
Connected to www.naver.com.nheos.com.
Escape character is '^]'.
GET /index.html
```

Server response has  
assorted header  
information, followed by  
the html page source



```
<html lang="ko">
<head>
<meta charset="utf-8">
<meta http-equiv="Content-Script-Type"
      content="text/javascript">
<meta http-equiv="Content-Style-Type"
      content="text/css">
<meta http-equiv="X-UA-Compatible"
      content="IE=edge">
<meta name="viewport" content="width=960">
<meta name="apple-mobile-web-app-title"
      content="NAVER" />
<link rel="shortcut icon" type="image/x-icon"
      href="/favicon.ico?1" />

<title>NAVER</title>

. . .

. . .
</head>

<body>

. . .

. . .
</body>
</html>

Connection closed by foreign host.
```