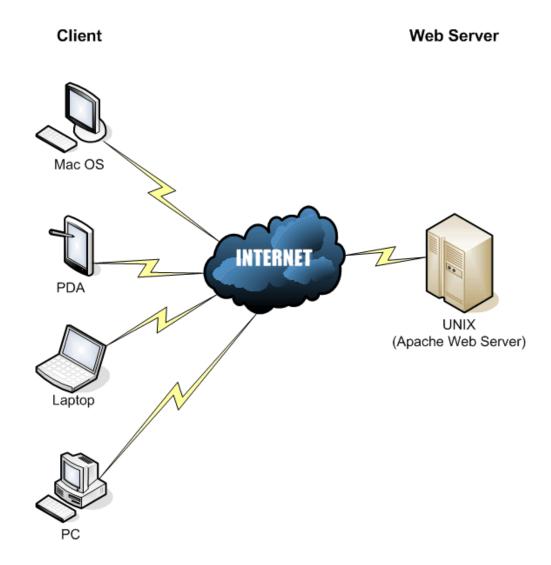
# Understanding Simple Webserver

Jo, Heeseung

# Understanding Web Client-Server

# WWW, Web, Internet

• Client - Server model



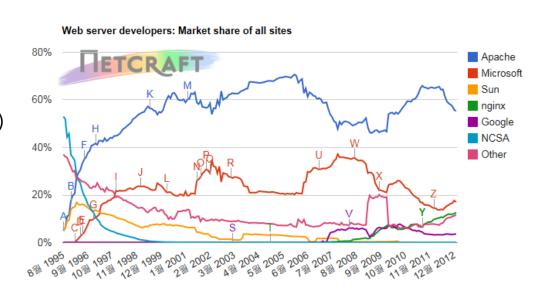
# Understanding Web Client-Server

### 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

- 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

# 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"</pre>
     content="text/javascript">
<meta http-equiv="Content-Style-Type"</pre>
     content="text/css">
<meta http-equiv="X-UA-Compatible"</pre>
     content="IE=edge">
<meta name="viewport" content="width=960">
<meta name="apple-mobile-web-app-title"</pre>
     content="NAVER" />
k rel="shortcut icon" type="image/x-icon"
     href="/favicon.ico?1" />
<title>NAVER</title>
</head>
<body>
</body>
</html>
Connection closed by foreign host.
```