



Web Uygulama Güvenliği

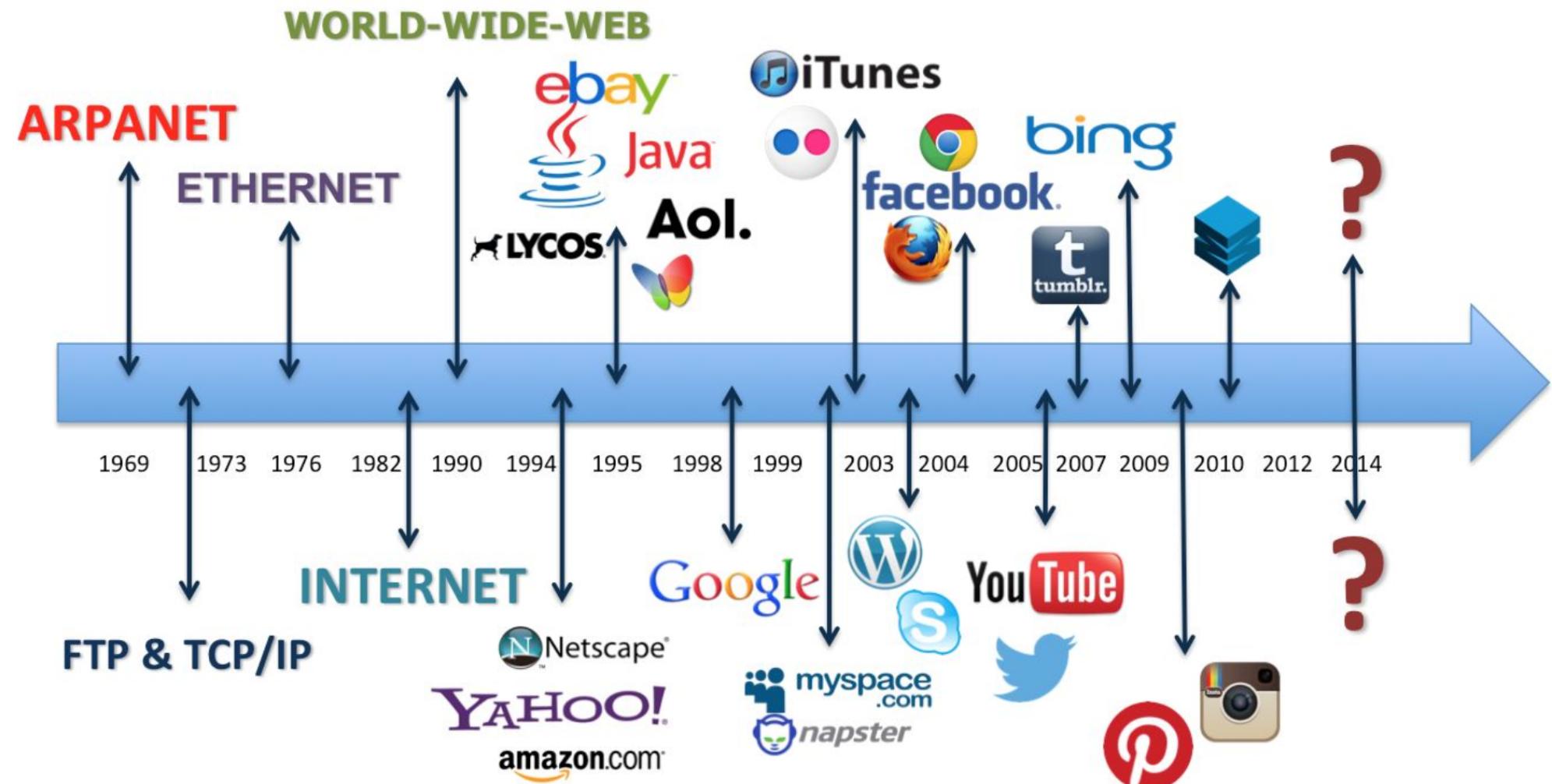


WEB NEDİR?

- WWW (World Wide Web)
- Internet üzerinde çalışan bir servis
- HTTP protokolüyle çalışır
- Birbirleriyle bağlantılı hiper-metin dokümanlarından oluşan bir bilgi sistemidir.



WEB'İN TARİHİ







DOMAIN NEDİR?



<https://www.ankara.edu.tr/>
<http://comp.eng.ankara.edu.tr/>



HTTP NEDİR?

```
GET /doc/test.html HTTP/1.1
Host: www.test101.com
Accept: image/gif, image/jpeg, */*
Accept-Language: en-us
Accept-Encoding: gzip, deflate
User-Agent: Mozilla/4.0
Content-Length: 35
bookId=12345&author=Tan+Ah+Teck
```

Request Line

Request Headers

Request
Message
Header

A blank line separates header & body

Request Message Body

HTTP Methods

Method	Description
GET	Request to read a Web page
HEAD	Request to read a Web page's header
PUT	Request to store a Web page
POST	Append to a named resource (e.g., a Web page)
DELETE	Remove the Web page
TRACE	Echo the incoming request
CONNECT	Reserved for future use
OPTIONS	Query certain options

HTTP Request/Response

- Request

GET /servlet/*SomeName* HTTP/1.1

Host: ...

Header2: ...

...

HeaderN:

(*Blank Line*)

- Response

HTTP/1.1 200 OK

Content-Type: text/html

Header2: ...

...

HeaderN: ...

(*Blank Line*)

<!DOCTYPE ...>

<HTML>

<HEAD>...</HEAD>

<BODY>

...

</BODY></HTML>

1XX Informational

100 Continue

101 Switching Protocols

102 Processing

2XX Success

200	OK
201	Created
202	Accepted
203	Non-authoritative Information
204	No Content
205	Reset Content
206	Partial Content
207	Multi-Status
208	Already Reported
226	IM Used

3XX Redirection

300	Multiple Choices
301	Moved Permanently
302	Found
303	See Other
304	Not Modified
305	Use Proxy
307	Temporary Redirect
308	Permanent Redirect

4XX Client Error

400	Bad Request
401	Unauthorized
402	Payment Required
403	Forbidden
404	Not Found
405	Method Not Allowed
406	Not Acceptable
407	Proxy Authentication Required
408	Request Timeout

4XX Client Error Continued

409	Conflict
410	Gone
411	Length Required
412	Precondition Failed
413	Payload Too Large
414	Request-URI Too Long
415	Unsupported Media Type
416	Requested Range Not Satisfiable
417	Expectation Failed
418	I'm a teapot
421	Misdirected Request
422	Unprocessable Entity
423	Locked
424	Failed Dependency
426	Upgrade Required
428	Precondition Required
429	Too Many Requests
431	Request Header Fields Too Large
444	Connection Closed Without Response
451	Unavailable For Legal Reasons
499	Client Closed Request

5XX Server Error

500	Internal Server Error
501	Not Implemented
502	Bad Gateway
503	Service Unavailable
504	Gateway Timeout
505	HTTP Version Not Supported
506	Variant Also Negotiates
507	Insufficient Storage
508	Loop Detected
510	Not Extended
511	Network Authentication Required
599	Network Connect Timeout Error



Front-End

HTML, CSS, Javascript ve Frameworkleri



Back-End

PHP, Java, .NET, Ruby, Python,
Perl, Node.js

