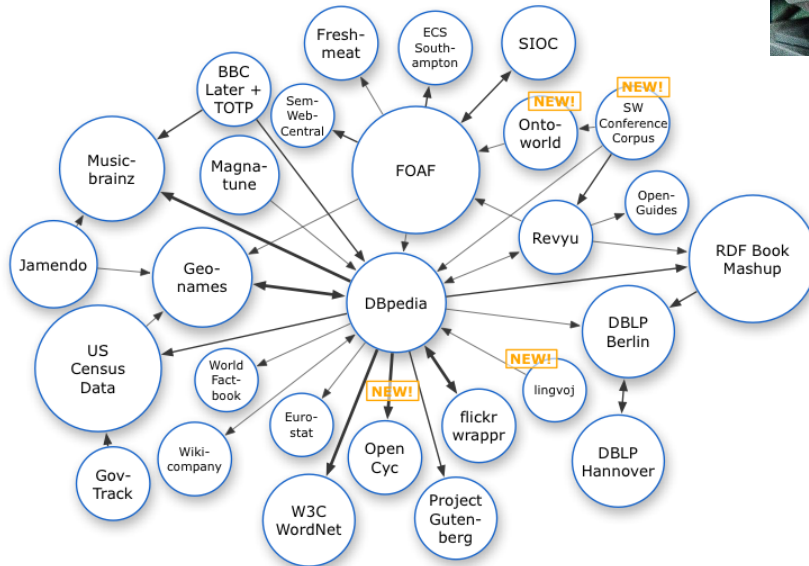
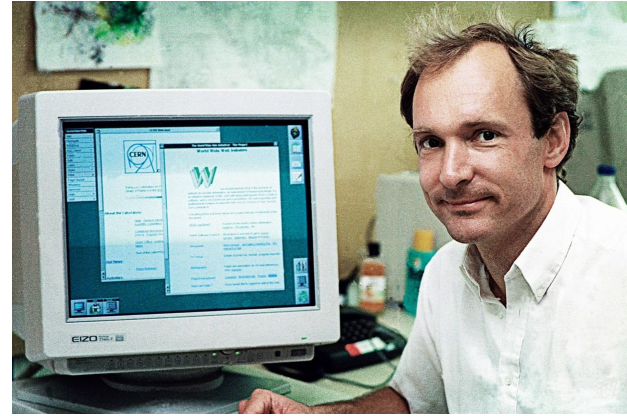


# History of HTML

From 1989-2015

# Tim Berners-Lee - 1989

CERN - European Laboratory for Particle Physics in Geneva, Switzerland



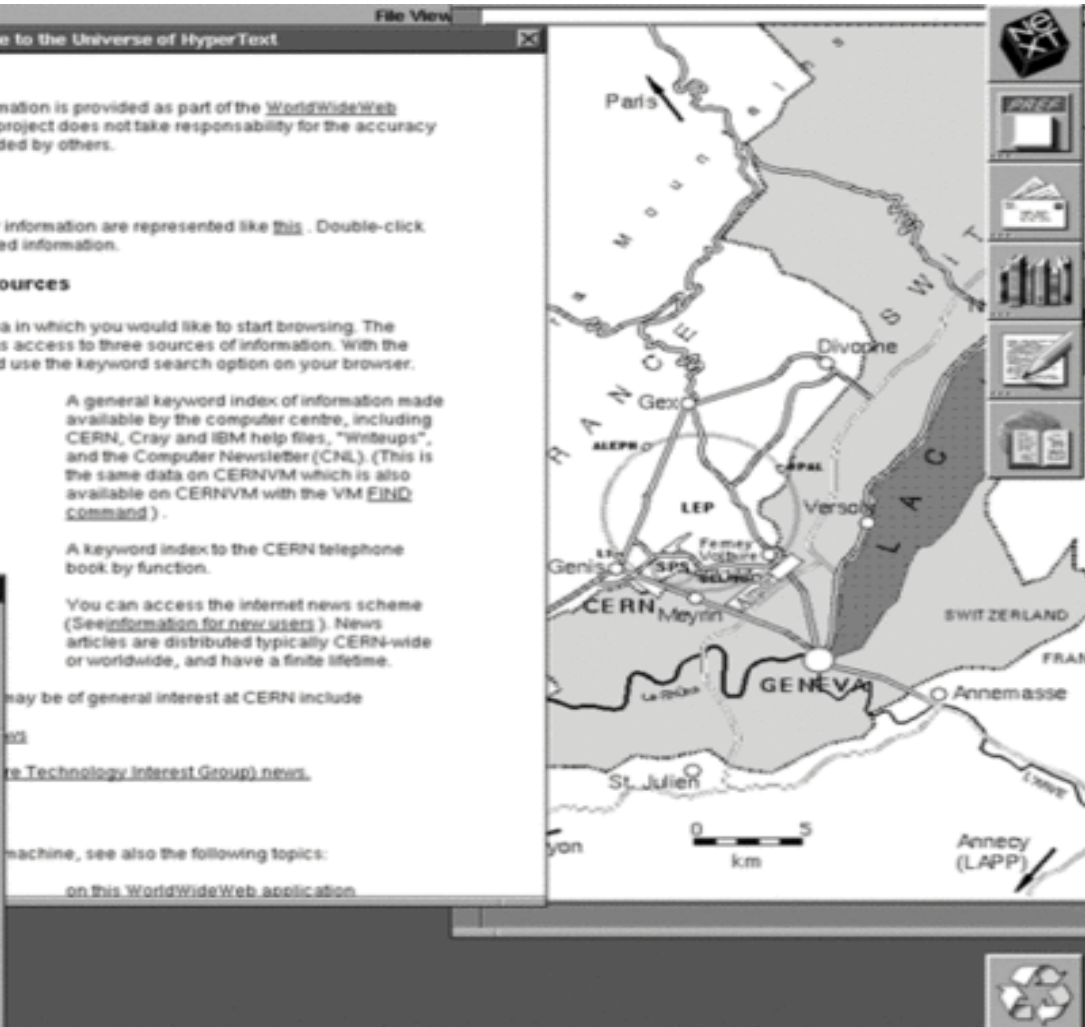
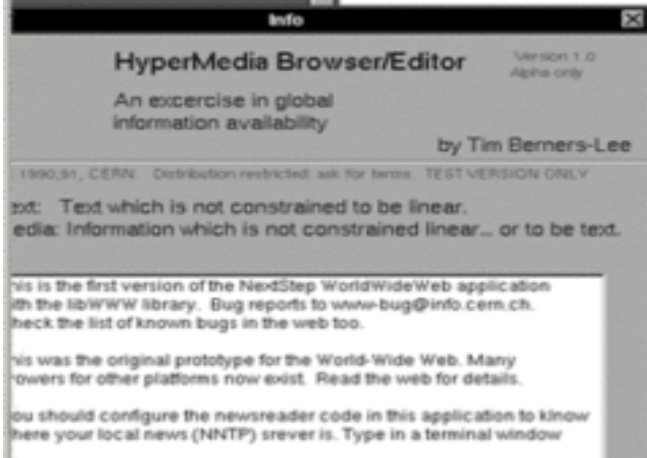
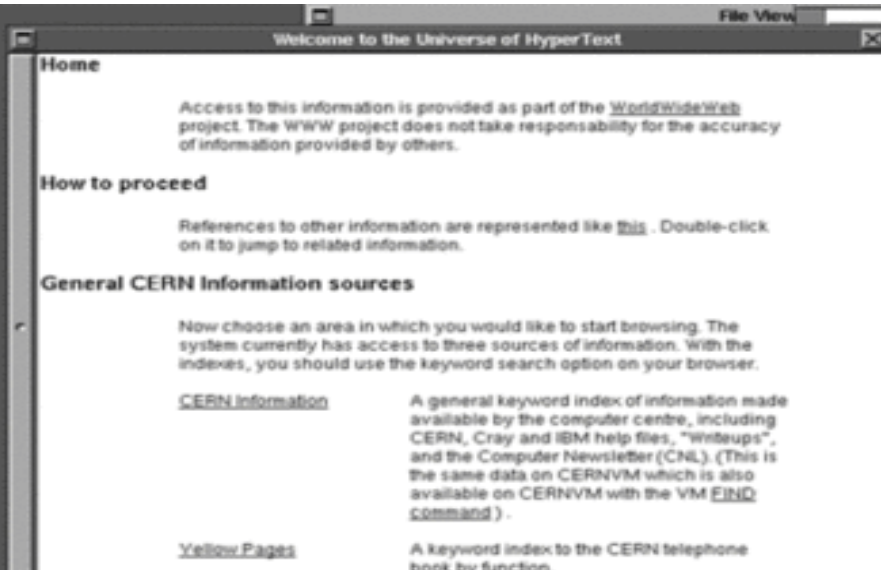
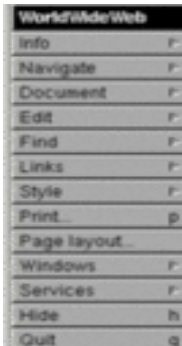
# Web Browser - 1990

## Web Server

NeXT Computer



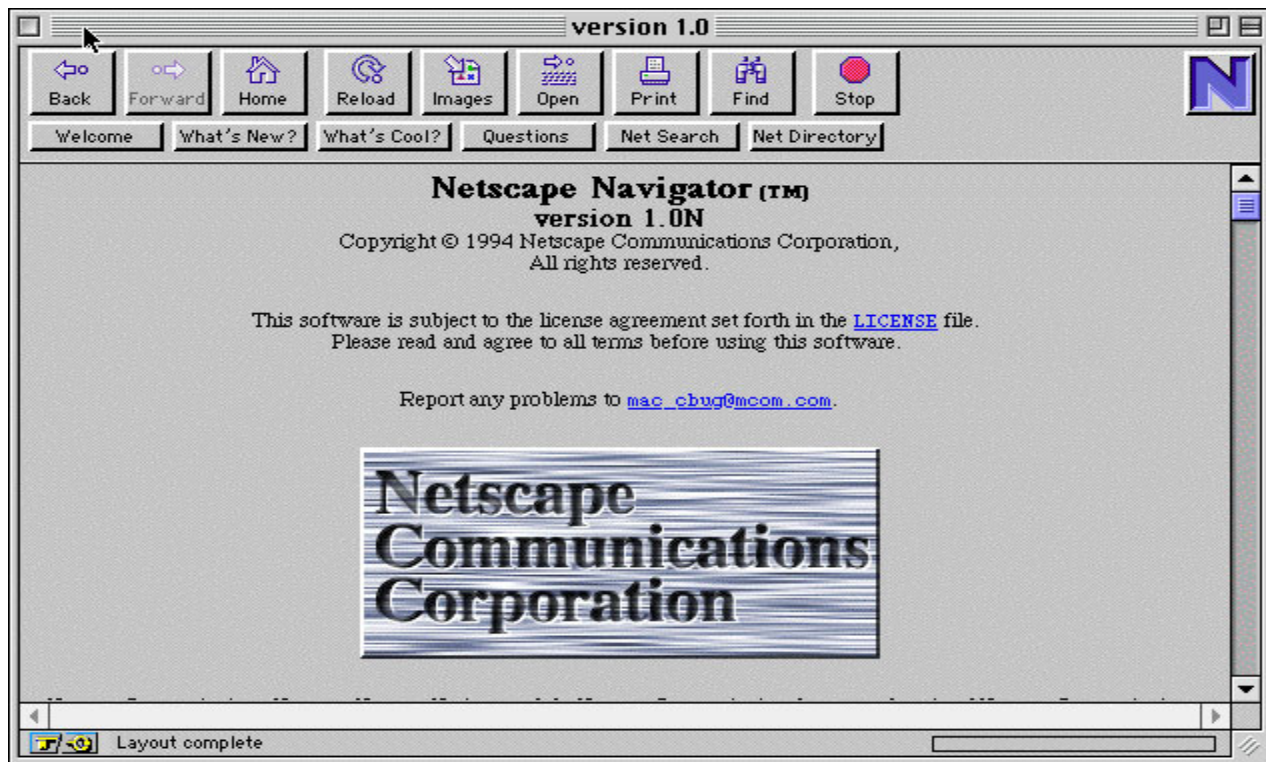
```
<title>Hypertext Links</title>  
<h1>Links and Anchors</h1>  
A link is the connection between one  
piece of  
<a href=WhatIs.html>hypertext</a> and  
another.
```



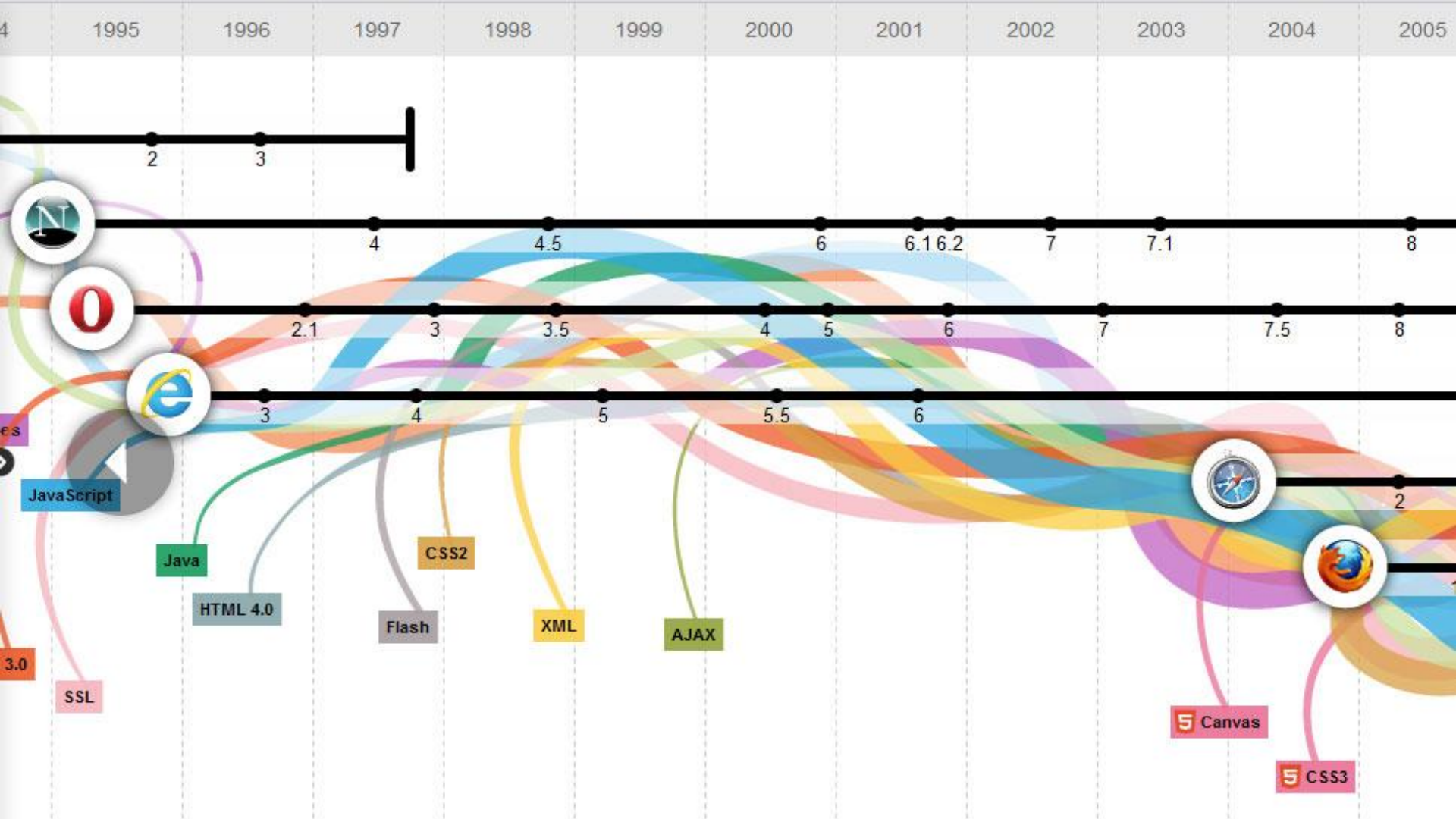
# Mosaic - 1993



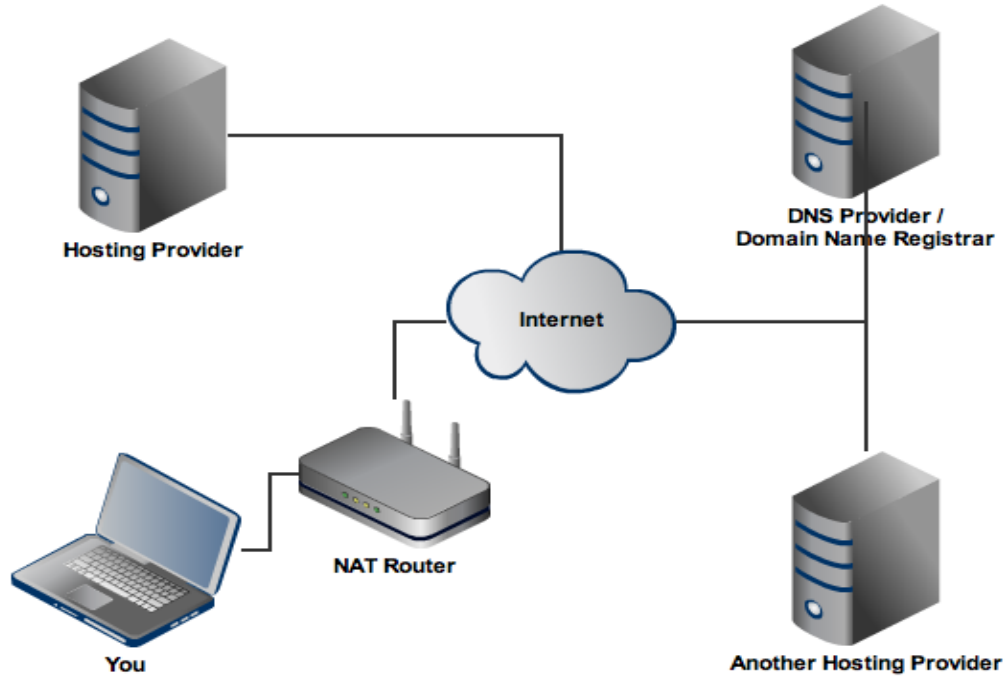
# Netscape - 1994





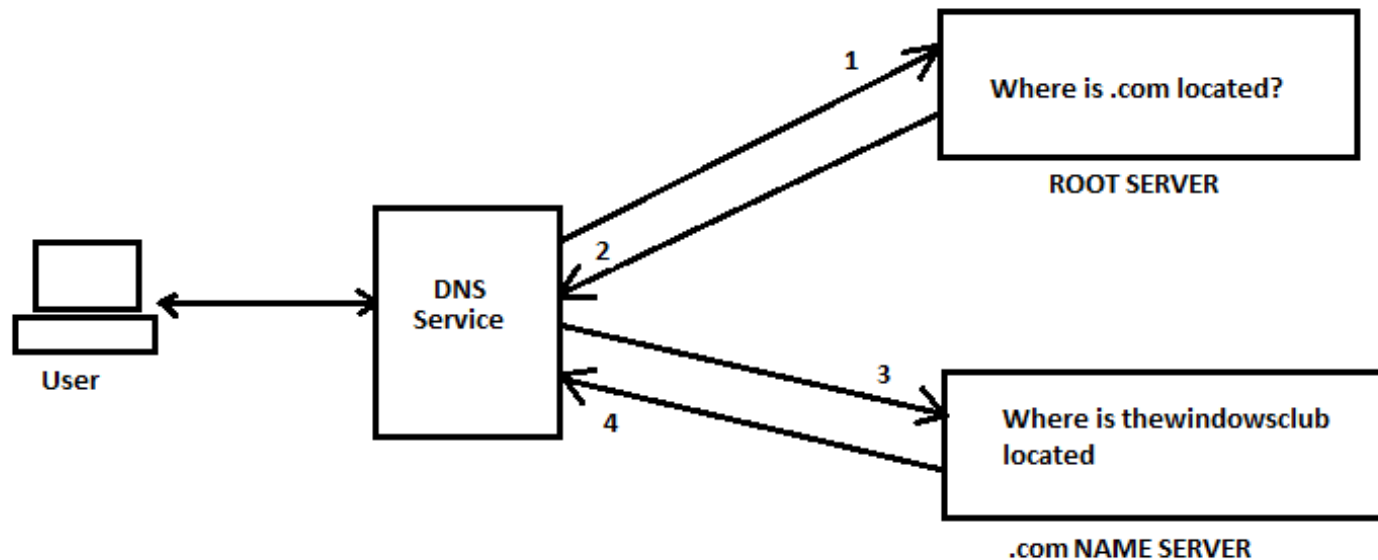


# Web Client - Web Server



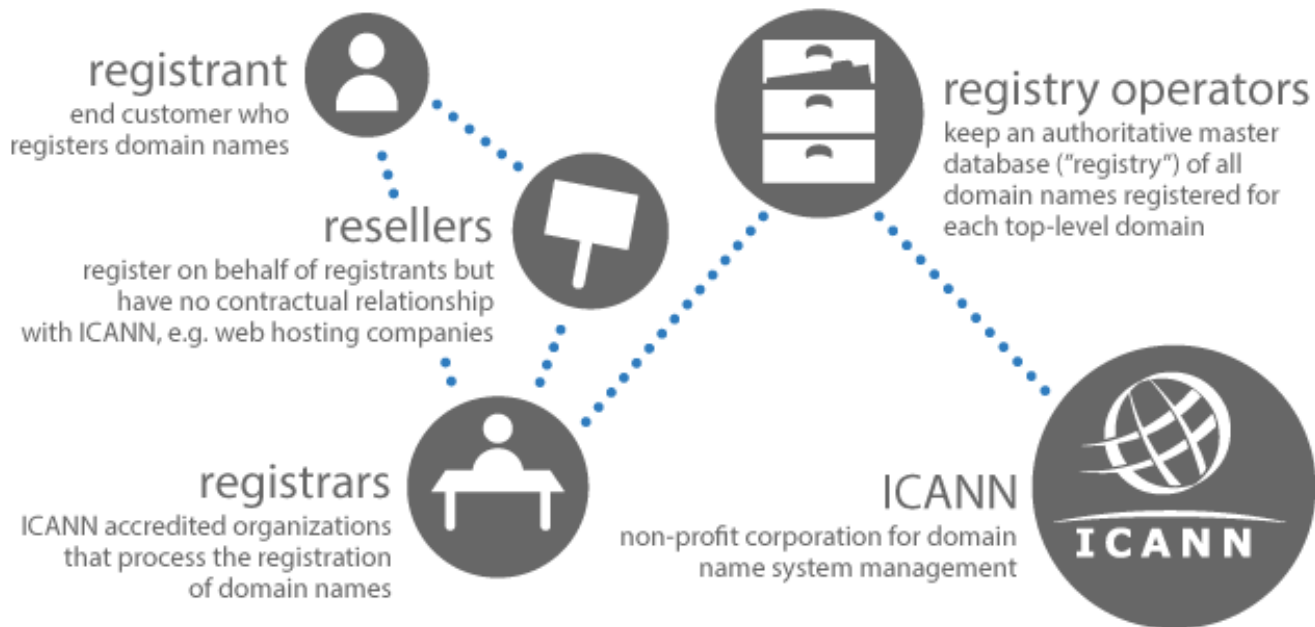


# DNS Service



Understanding How DNS Lookup Works

# Domain Registry



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domain registry process

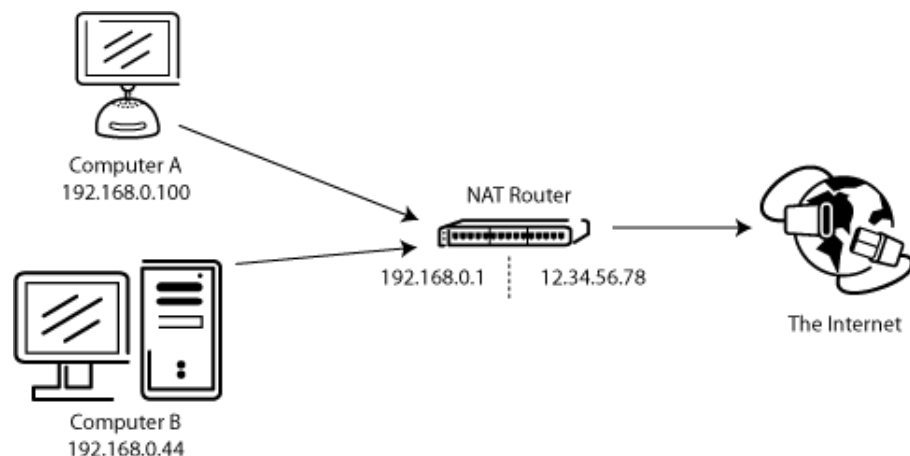
NAT Router

$2^{32}$  - 4,294,967,296

8.7 billion - 2012

50 billion - 2020

# Nat Router



Protocol	: TCP
Source Address	: 192.168.0.12
Source Port	: 1944
Destination Address	: 208.147.66.234
Destination Port	: 21

NAT

Protocol	: TCP
Source Address	: 157.54.35.39
Source Port	: 5001
Destination Address	: 208.147.66.234
Destination Port	: 21

NAT Mapping Table

192.168.0.10: 3576	← TCP →	157.54.35.38: 5000	(Dynamic Address Translation)
192.168.0.11: 2258	← TCP →	157.54.35.39: 5000	(Dynamic Address Translation)
<b>192.168.0.12: 1944</b>	<b>← TCP →</b>	<b>157.54.35.39: 5001</b>	<b>(Dynamic Port &amp; Address Translation)</b>

Plunker

