The Internet
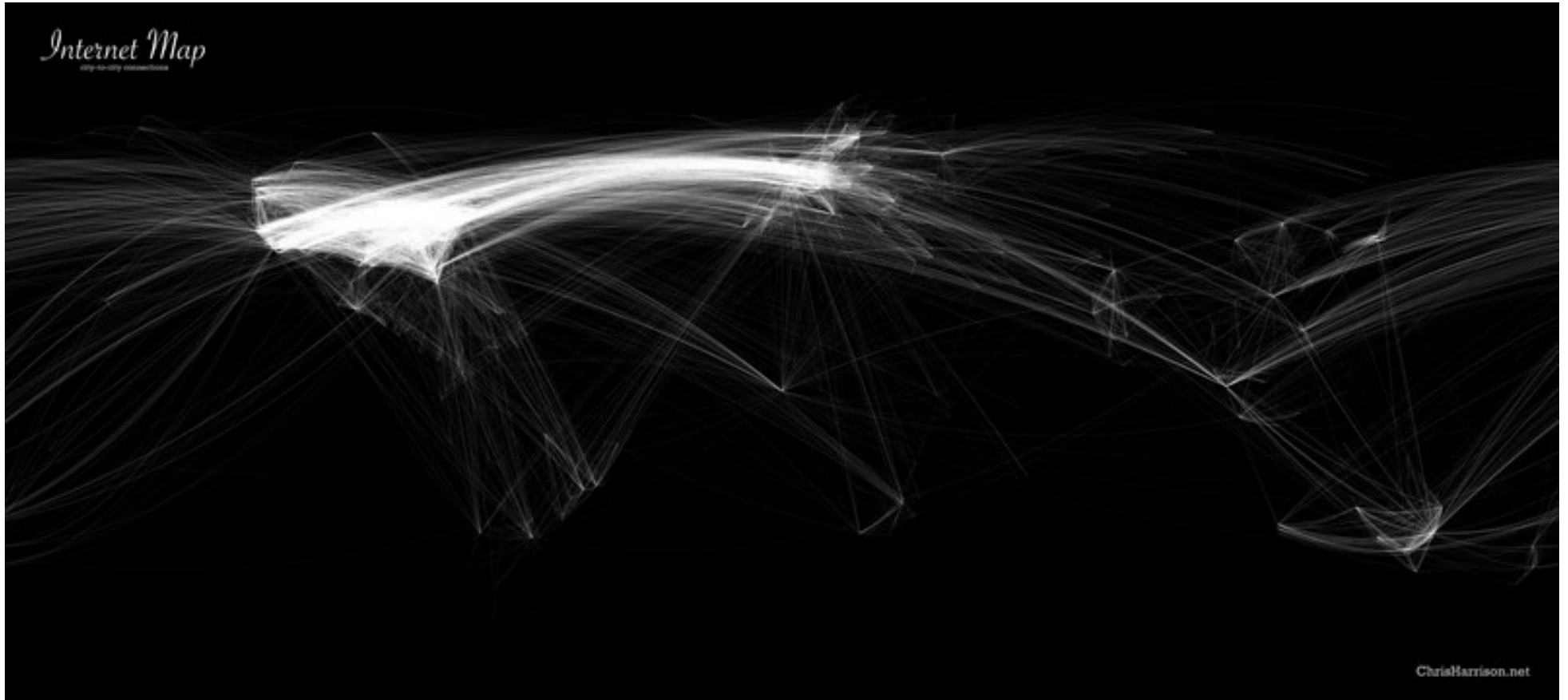

Internet Map
Connection Density

ChrisHarrison.net

The Internet, City to City

European City-to-City Connections
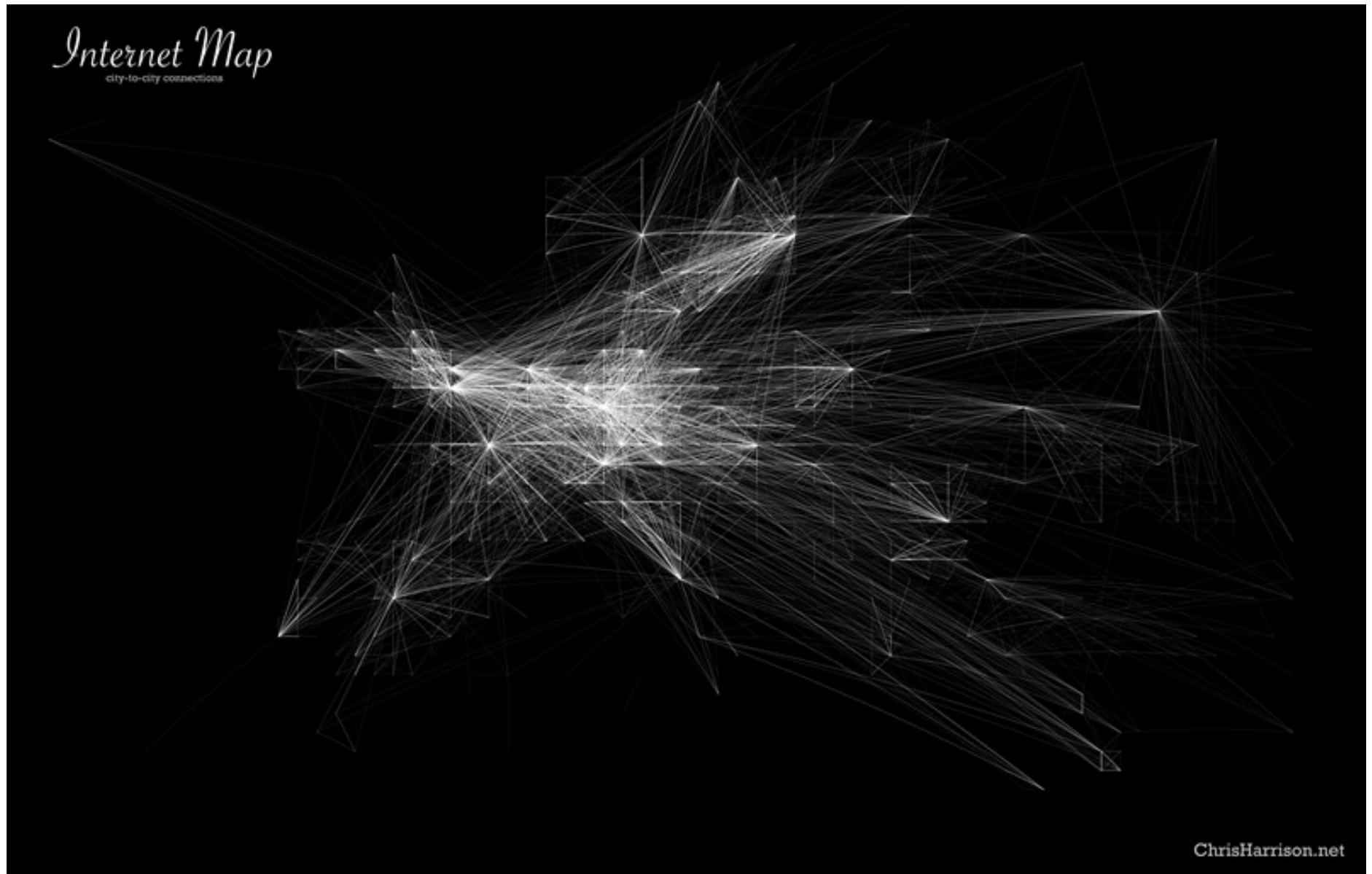
Number of computers in the Internet

Legend
◇ <10 ○ <10 ○ <50 ● <100 ● <500 ● <999 ● +1000

internet world map '07 IPligence.com
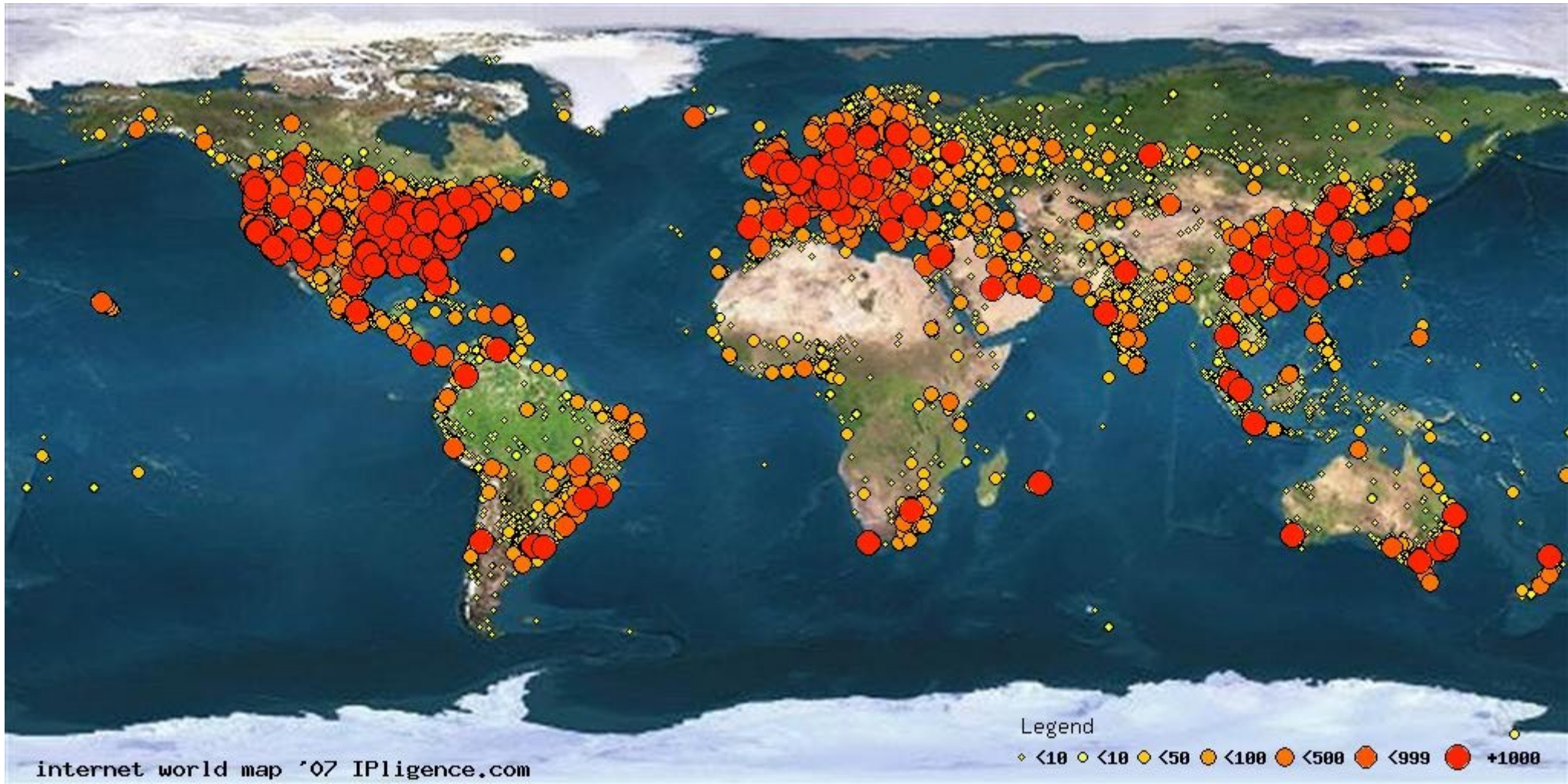
How a computer connects to the internet
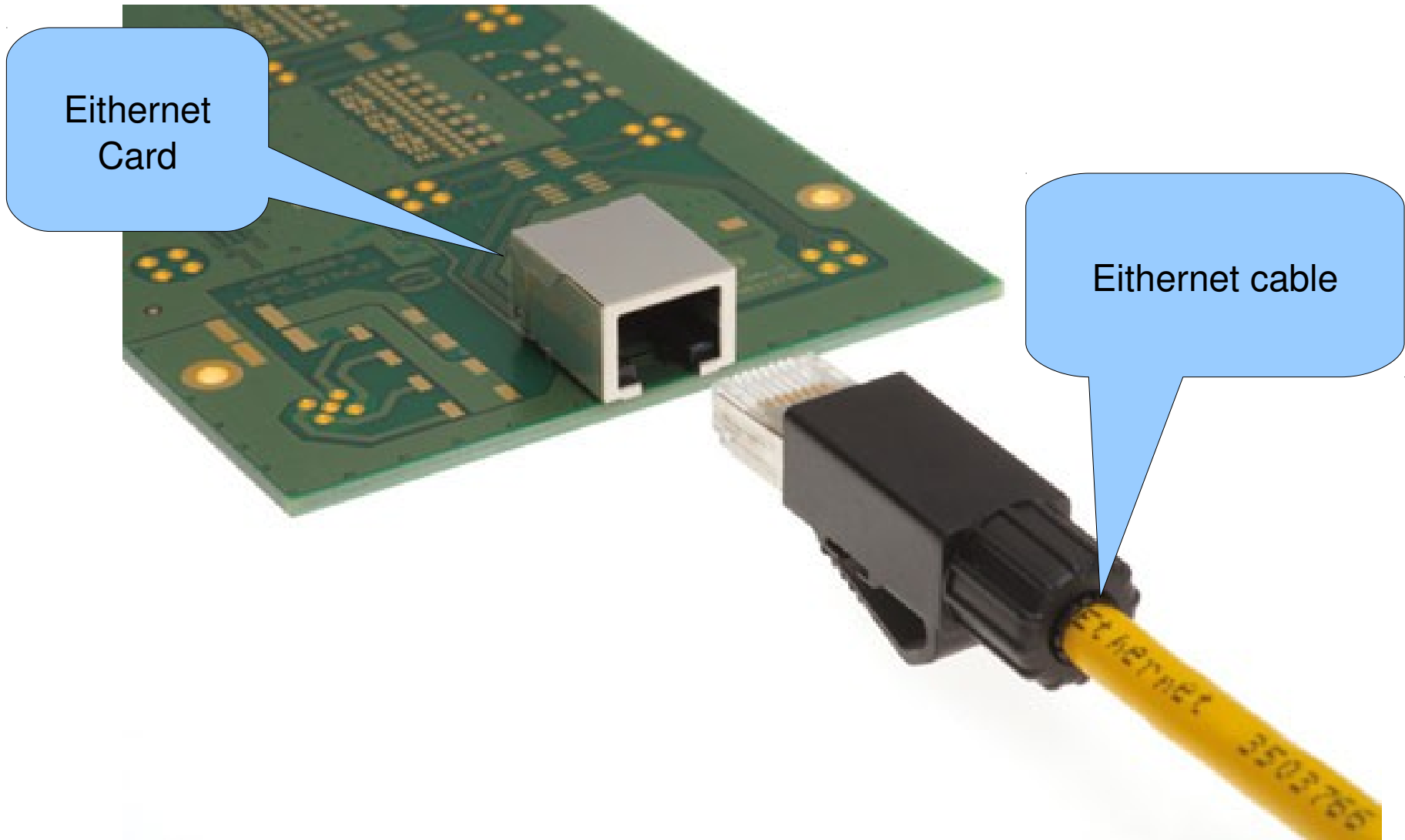
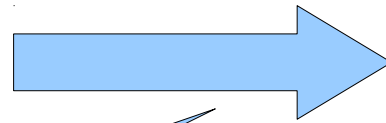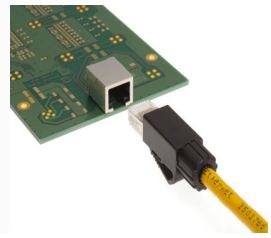# The Server
(Its just a computer)

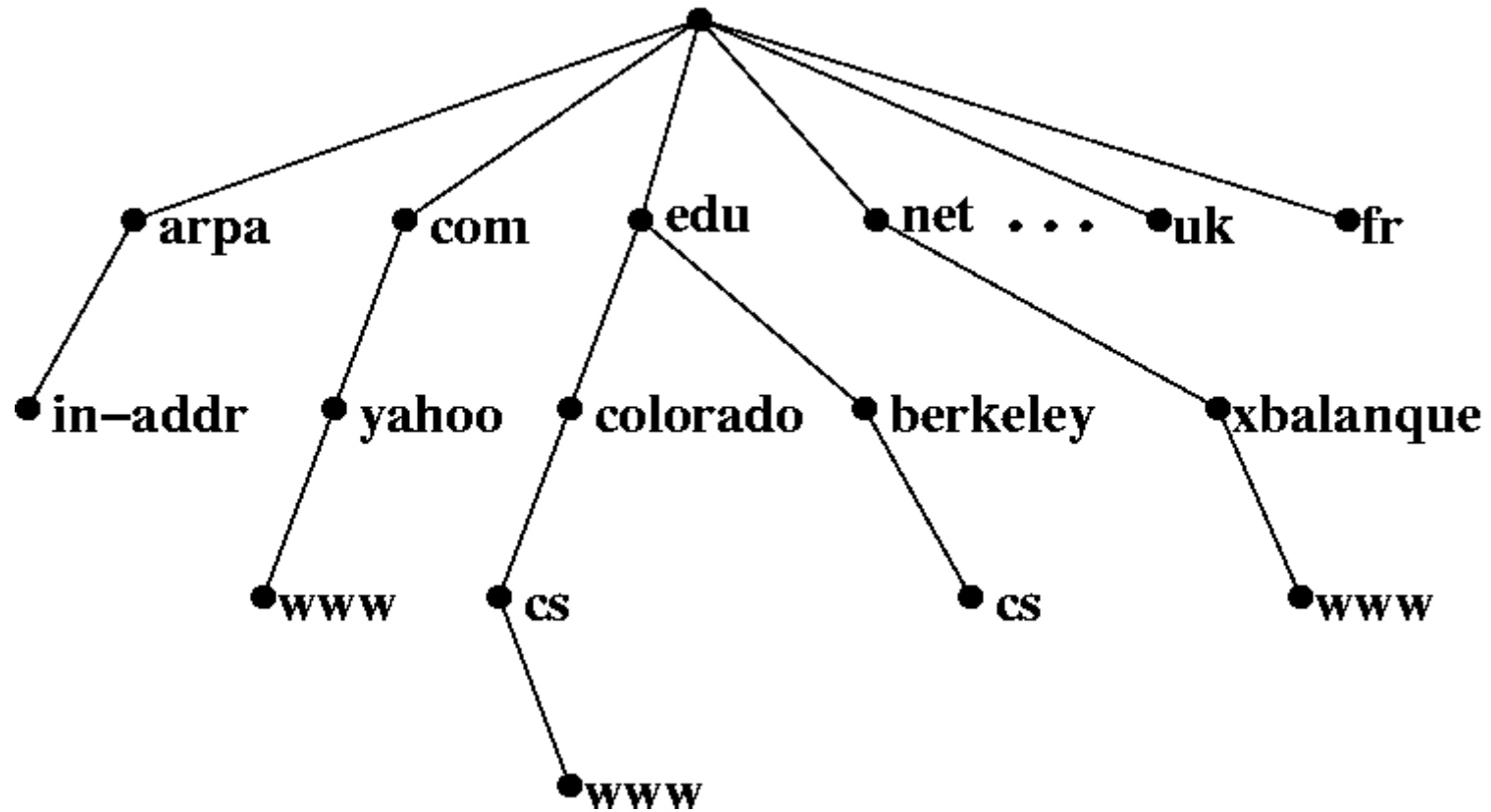# Servers live in server rooms

How the Internet works

- Each computer connected to the Internet must have a unique address

- Internet addresses are in the form nnn.nnn.nnn.nnn

- where nnn must be a number from 0 – 255

- Eg 134.231.111.1

Connecting to the internet
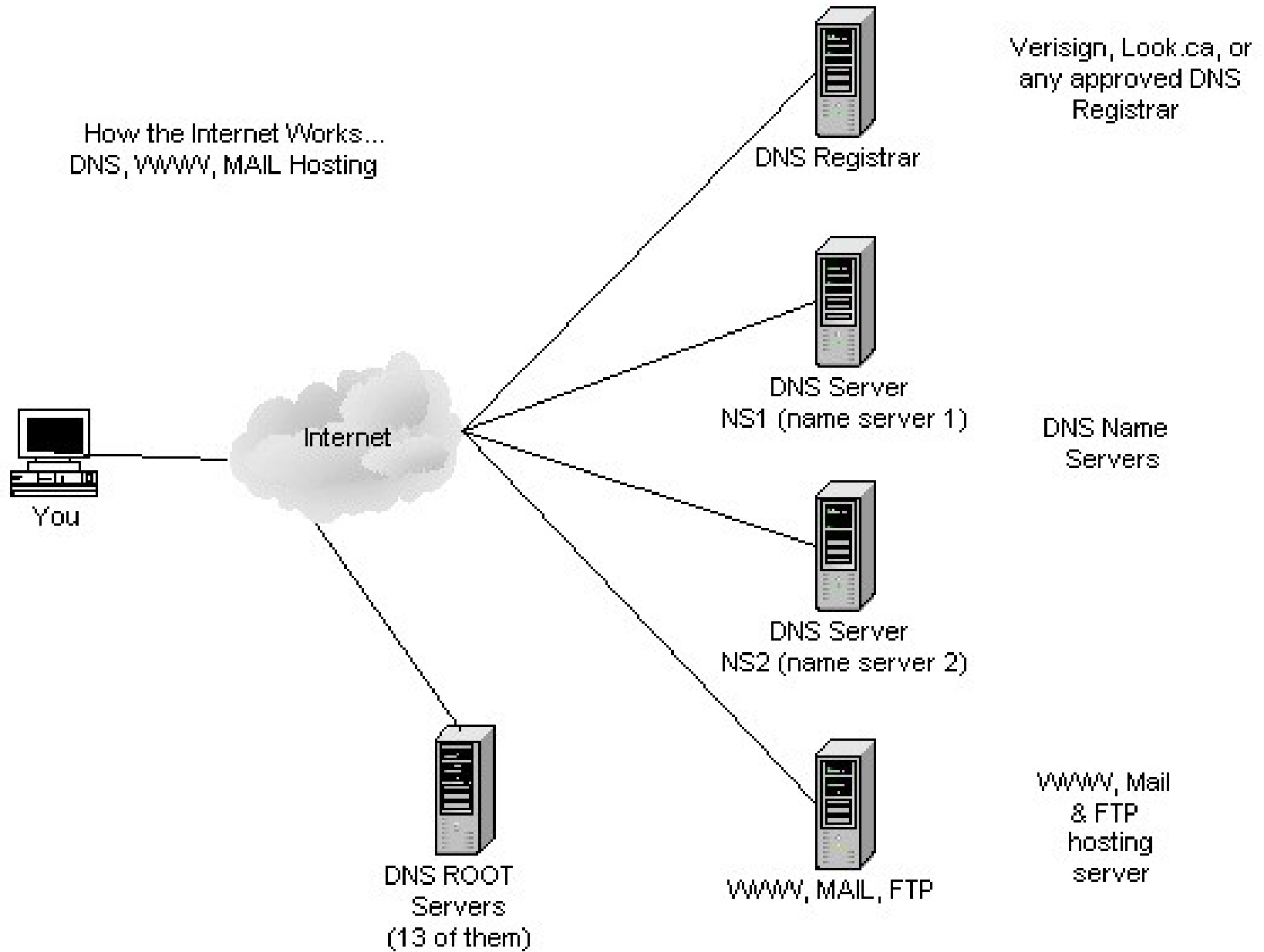

Through the
Telephone line/
Wireless/
Mobile Phone

Putting the WWW in

How the Internet Works...
DNS, WWW, MAIL Hosting

You

Internet

DNS Registrar

Verisign, Look.ca, or
any approved DNS
Registrar

DNS Server
NS1 (name server 1)

DNS Server
NS2 (name server 2)

DNS Name
Servers

DNS ROOT
Servers
(13 of them)

WWW, MAIL, FTP

WWW, Mail
& FTP
hosting
server

What is HTML

- HTML, stands for Hyper Text Markup Language

- Its just text nothing else.

- Who Created HTML

  - In 1989, Berners-Lee wrote a memo proposing an Internet-based hypertext system].

  - Berners-Lee specified HTML and wrote the browser and server software in the last part of 1990.

An Example of HTML

```
<html>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>
```

HTML is a language for describing web pages

- HTML stands for Hyper Text Markup Language

- HTML is not a programming language, it is a markup language

- A markup language is a set of markup tags

- HTML uses markup tags to describe web pages

HTML Tags

- HTML markup tags are usually called HTML tags

- HTML tags are keywords surrounded by angle brackets like <html>

- HTML tags normally come in pairs like and

- The first tag in a pair is the start tag, the second tag is the end tag

- Start and end tags are also called opening tags and closing tags

HTML Documents = Web Pages

- HTML documents describe web pages

- HTML documents contain HTML tags and plain text

- HTML documents are also called web pages

What does a web browser do

The purpose of a web browser (like Internet Explorer or Firefox) is to read HTML documents and display them as web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page:

A simple example

```
<html>
<body>


<h1>My First Heading</h1>


<p>My first paragraph</p>


</body>
</html>
```

A simple example explaned

- The text between <html> and </html> describes the web page

- The text between <body> and </body> is the visible page content

- The text between <h1> and </h1> is displayed as a heading

- The text between <p> and </p> is displayed as a paragraph

What you don't need

- You don't need any HTML editor

- You don't need a web server

- You don't need a web site

- You can use notepad to write HTML

Why Dreamweaver

- hybrid WYSIWYG and code-based web design and development application

- Dreamweaver's WYSIWYG mode can hide the HTML code details of pages from the user