

# How Websites Work

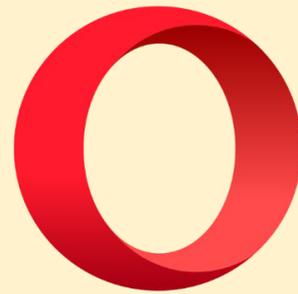
Websites live on the **World Wide Web** - which is part of the **internet**

This is the **www** bit at the front of the **URL**  
(uniform resource locator - the official name for a web address)

You use a **web browser** to view websites

# How Websites Work

A **web browser** is the piece of **software** you open to look at web pages



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Google Chrome



Firefox



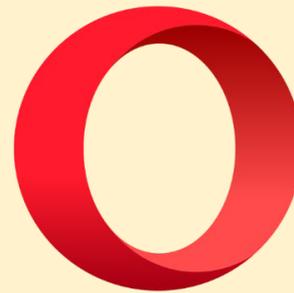
Safari



Microsoft Edge



Opera



# How Websites Work

The **internet** is just a network of computers

Some of these computers are called **Web Servers**

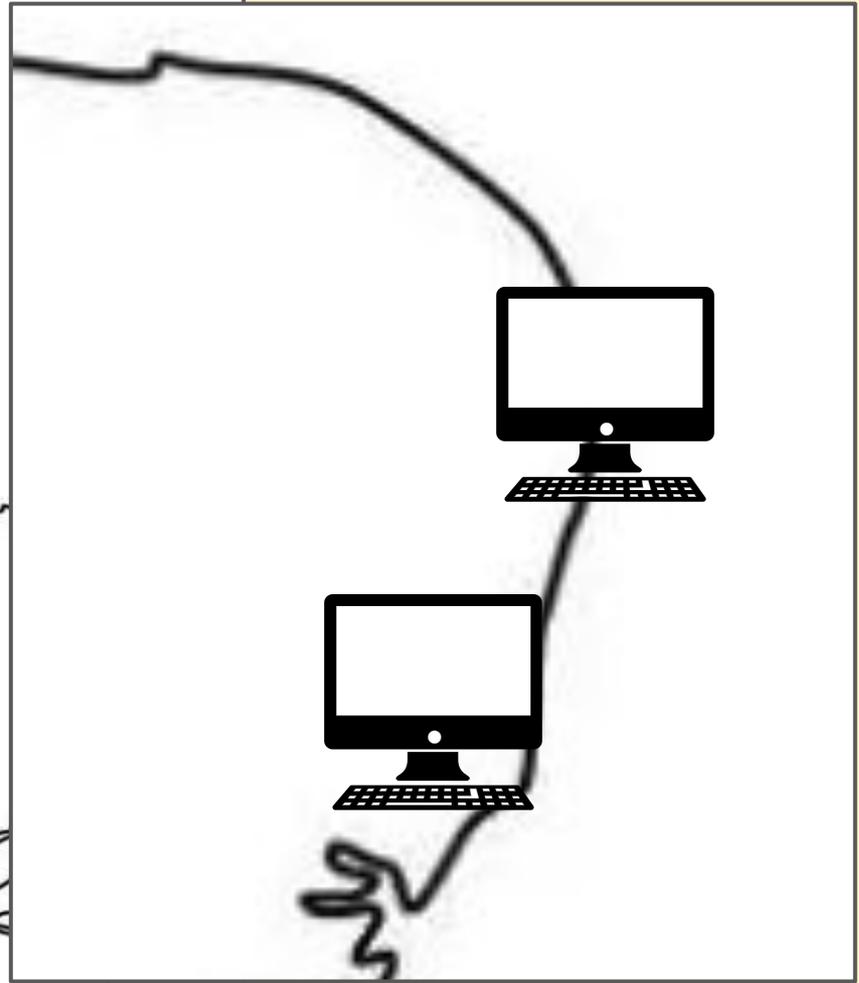
Each website you use is stored on a **Web Server**

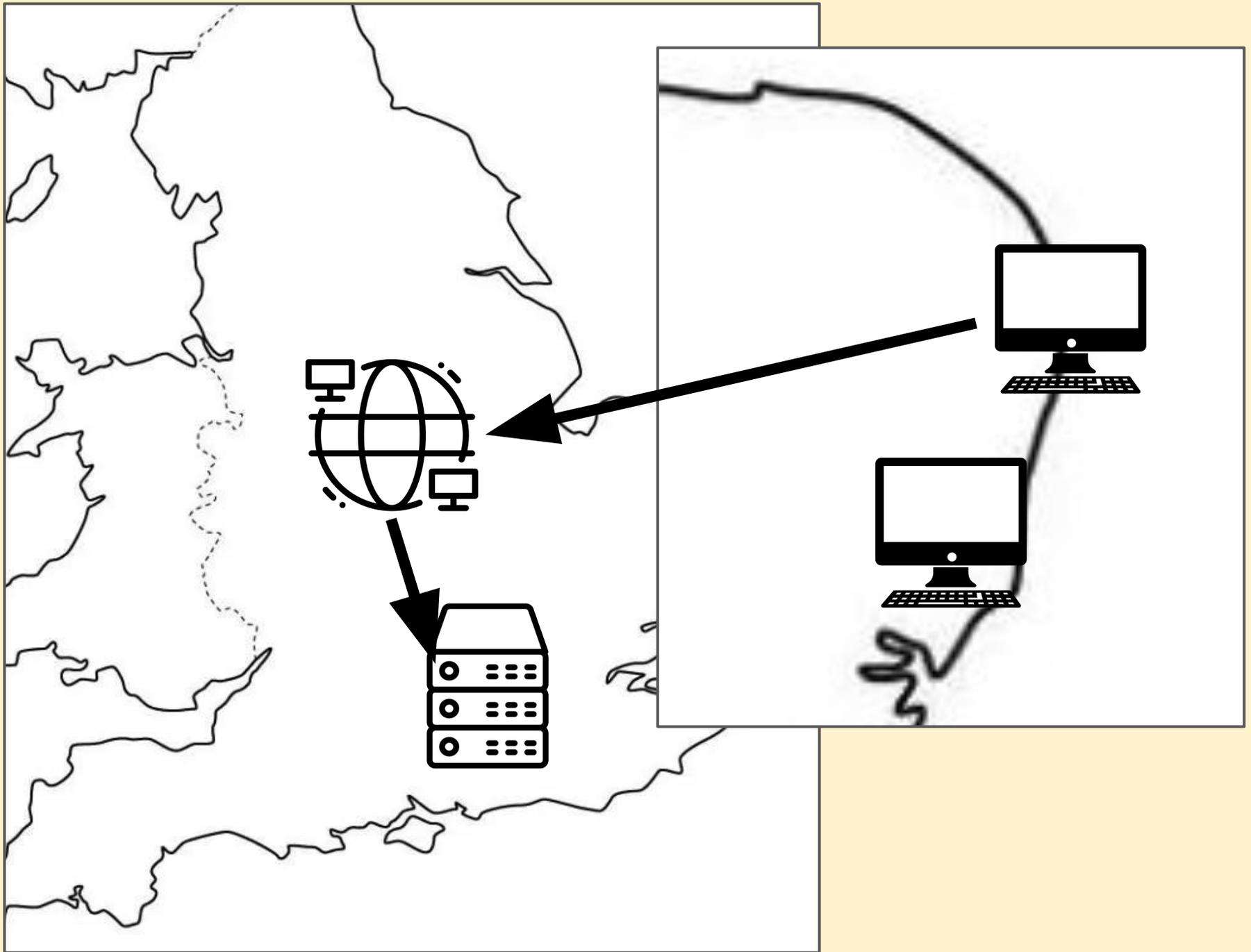
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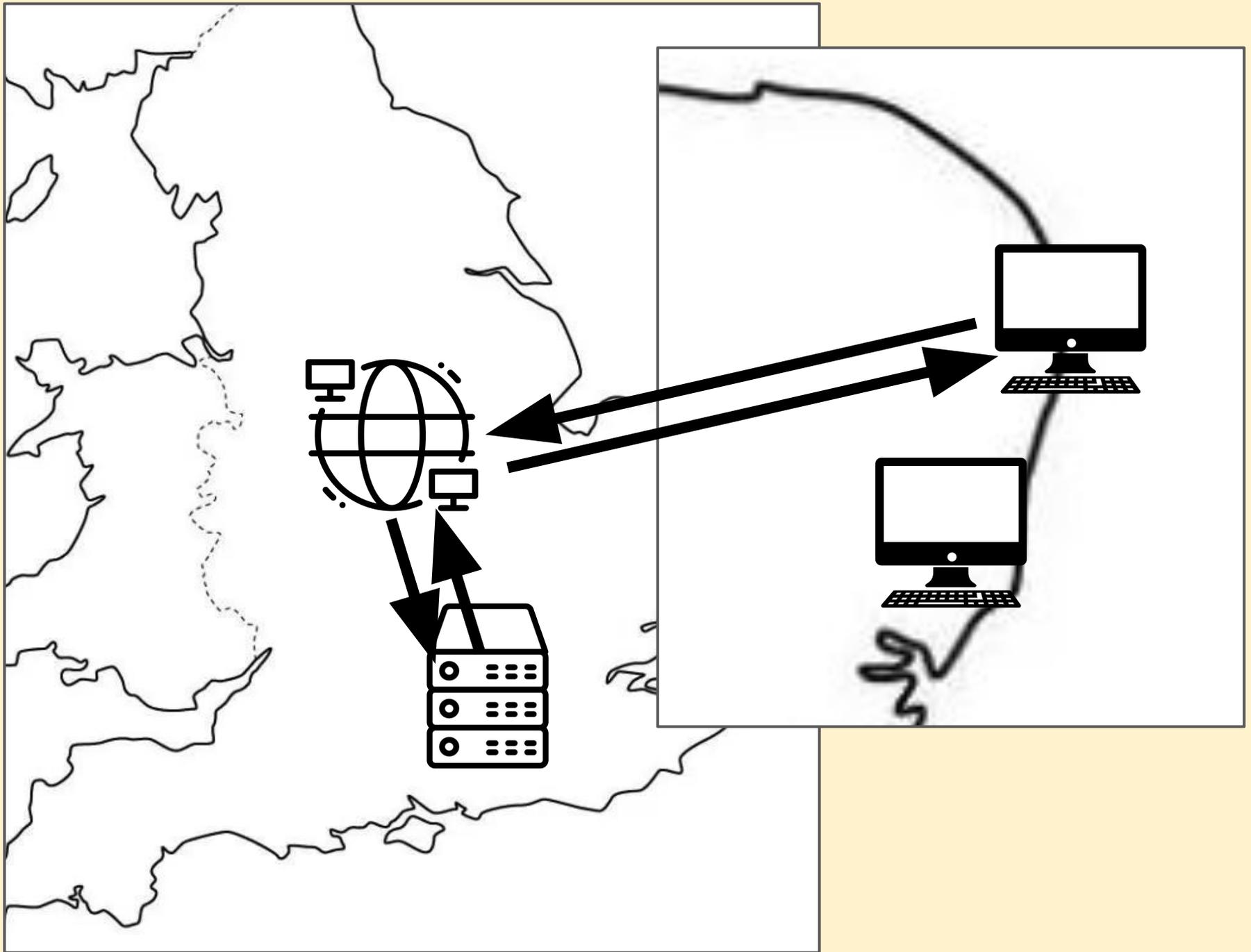
My website is stored on a **web server** in Slough

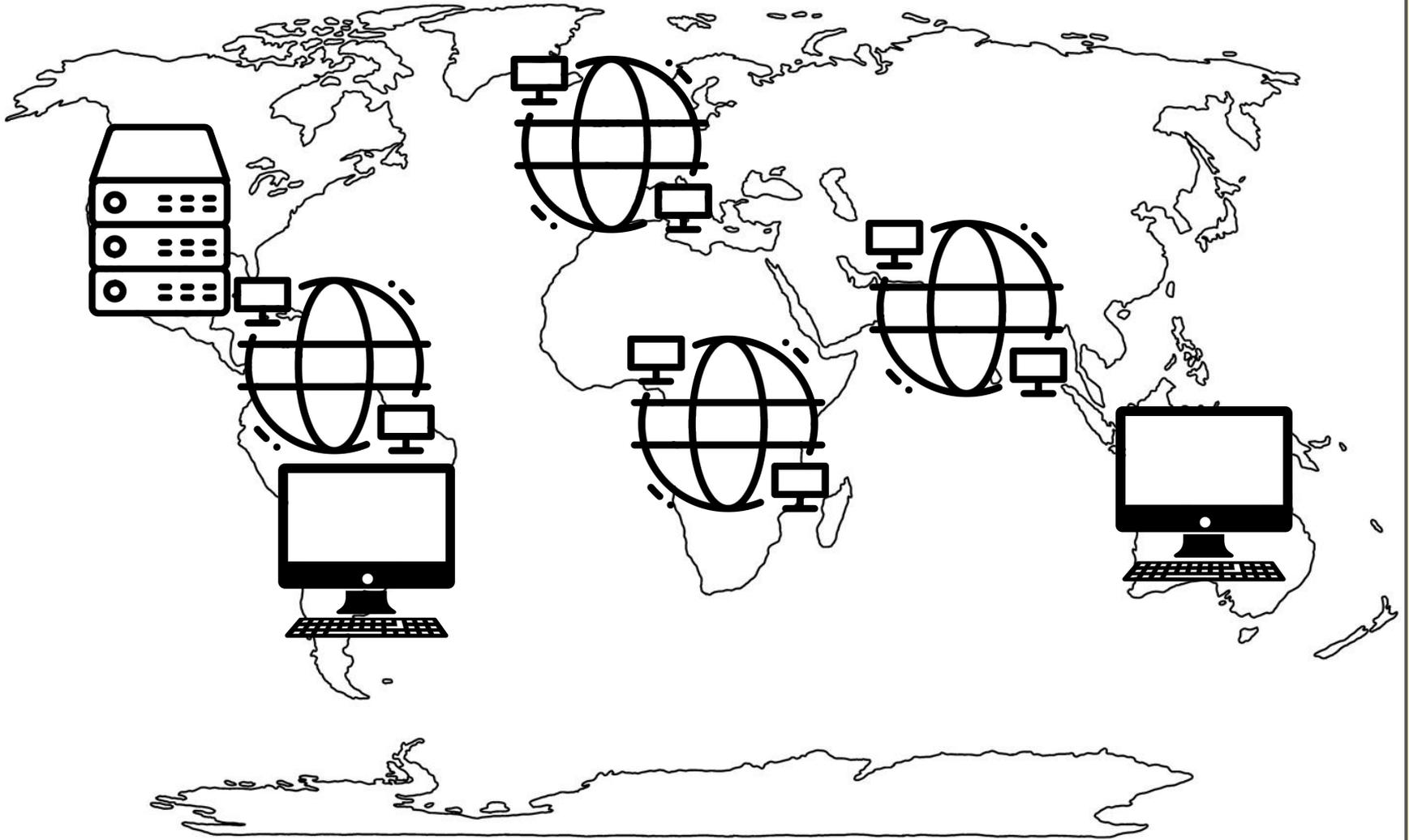












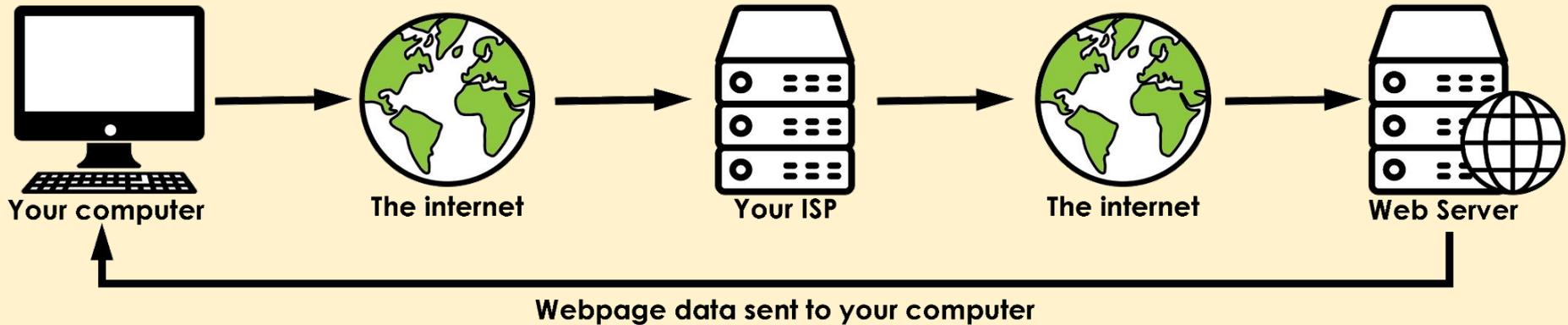
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When you use your **web browser** to view a website, you send a request over the internet to the **web server**

The **web server** sends back the data about the website to your **browser**, which builds the page on your computer using **HTML**

Everything needed for the page needs to be sent from the **server** - images, video, text etc...

# How Websites Work



The request goes to your **Internet Service Provider (ISP)** first, and then across the internet to the **web server** where the website is stored

**Web Servers** are located all over the world. The one my website is stored on is in Slough, just to the west of London

# How Websites Work

Websites are written in **Hyper Text Markup Language** - called **HTML**

HTML uses **tags** to tell your **web browser** what to do with the code on your screen.

**HTML tags** look like:

```
<h1>Header</h1>
```

```
<p>Paragraph here</p>
```

# How Websites Work

HTML was invented in about **1990** by Tim Berners-Lee - a British scientist. He wanted a way to quickly share his work with other people

It led to the World Wide Web in **1991**

Without HTML there would be no World Wide Web, so there would be no websites