Deploying a Web Application

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Choosing the technology

- The operating system

- The web server

- The database

  http://w3techs.com/technologies

Choosing a technology

Choosing a technology depends on

Specific needs	Specific applications that your web applications uses
Security	What you are comfortable to administer

LAMP vs MEAN web stacks

Linux

Apache

MySQL

PHP (/ **P**erl / **P**ython)

MongoDB

Express

Angular

Node.js

What you need

Web Host	A home for your website
Domain Name	A url for your website
Valid Certificate	A signed certificate for HTTPS

Web Hosting

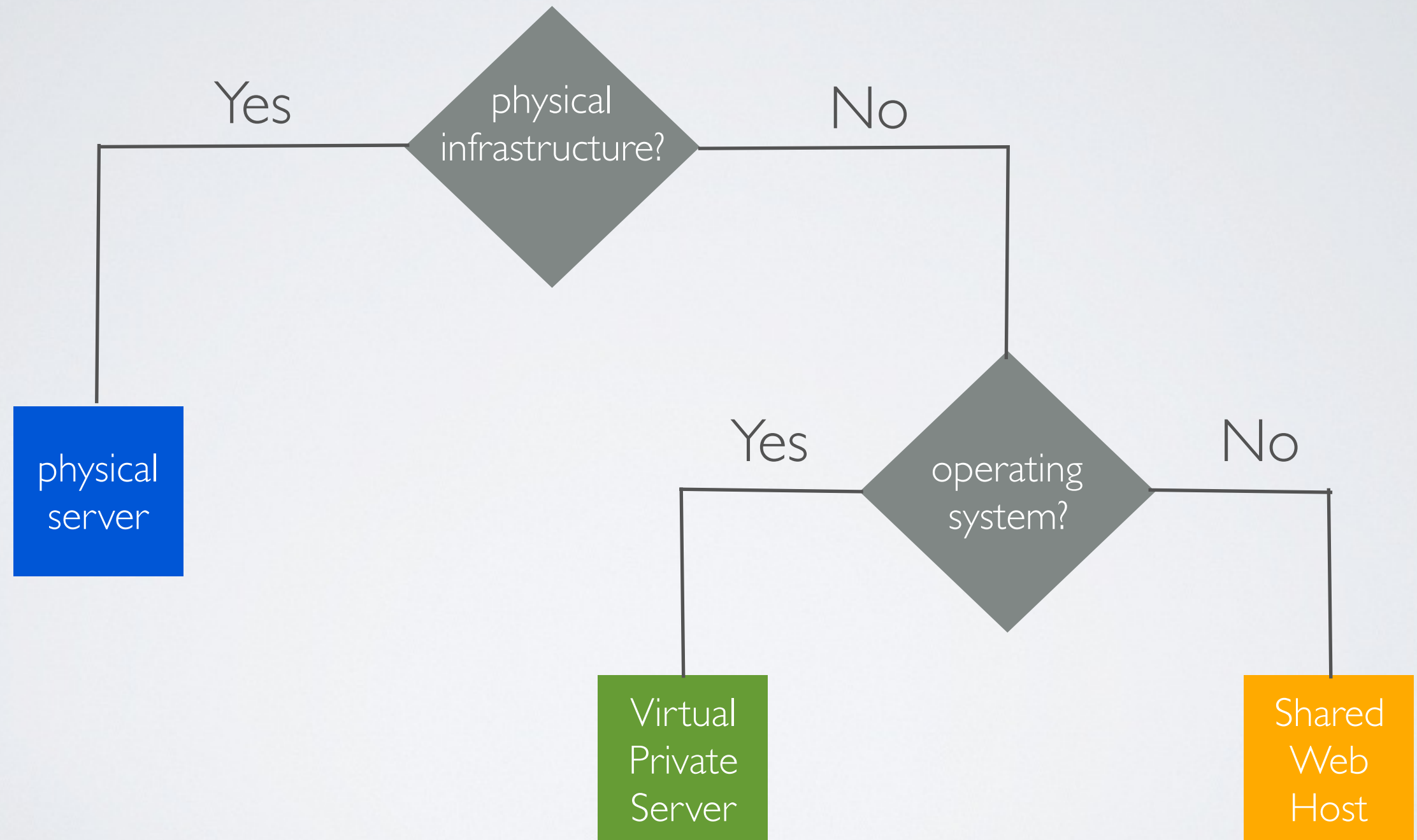# Development Server vs Production Server

➡ Most web frameworks provide a <u>development server</u>

◉ Does not scale with multiple requests (high threading)

✓ We need to setup a <u>production server</u>

Web Hosting

Storage	How much space do you need?
Bandwidth	How much traffic do you expect?
Money	How much do you want to spend daily?

Do you want/need to manage ...

Dedicated Physical Server

✓ Total Control

◉ Maintenance of the physical infrastructure

◉ Administration of the operating system

◉ Flexibility

Virtual Private Server (VPS)

◉ Administration of the operating system

✓ No maintenance of the physical infrastructure

✓ Flexibility (pay for what you need)

Shared Web Host

✓ No administration of the operating system

◉ Cost
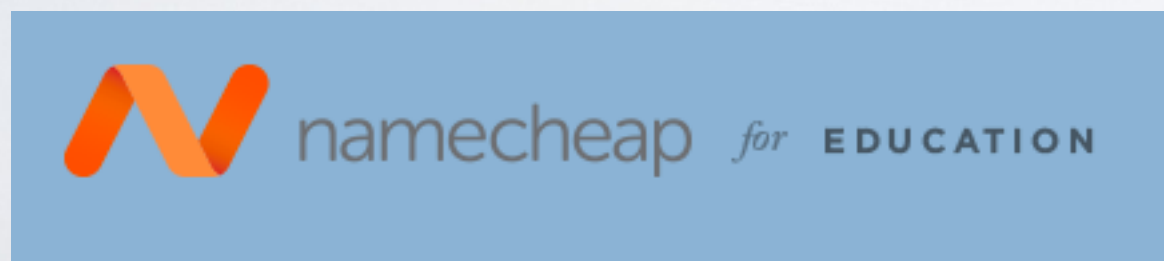
◉ Not adequate for specific needs

Domain Name

Internet Top Level Names

See *List of Internet top-level domains* (Wikipedia)

How to get a domain name?

You need to buy one from a *Domain Name Registrar*

A valid certificate

Getting a signed SSL certificate

whois

Get information about a website