

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 / **R**ead

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

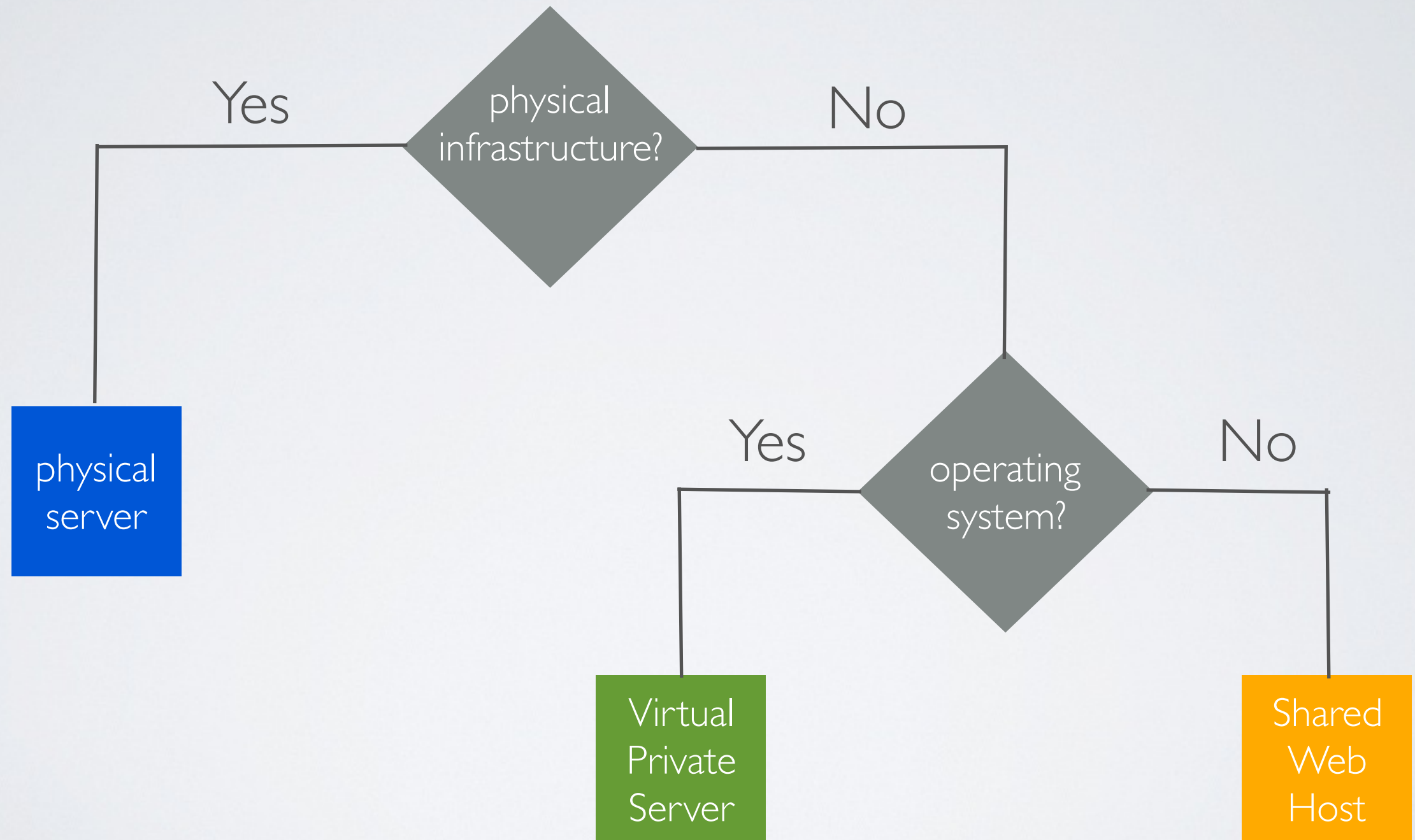
Development Server vs Production Server

- ➔ Most web frameworks provide a development server
- Does not scale with multiple requests (high threading)
- ✓ We need to setup a production server

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

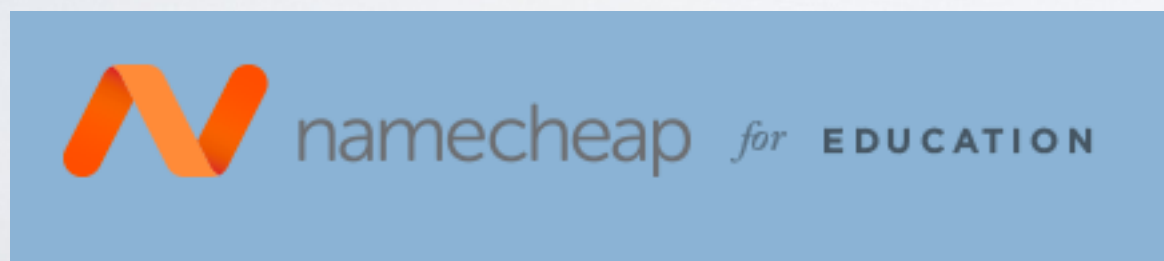
Domain Name

Internet Top Level Names

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

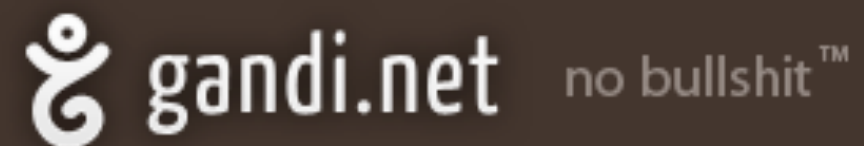
How to get a domain name?

You need to buy one from a Domain Name Registrar



A valid certificate

Getting a signed SSL certificate



whois

Get information about a website