

# Deploying a Web Application

Thierry Sans

# Choosing the technology

- The operating system
- The web server
- The database

<http://w3techs.com/technologies>

# Choosing a technology

Choosing a technology depends on

|                       |   |
|-----------------------|---|
| <b>Specific needs</b> | Specific applications that your web applications uses |
| <b>Security</b>       | What you are comfortable to administer                |

# LAMP vs MEAN web stacks

**L**inux

**A**pache

**M**ySQL

**P**HP ( / **P**erl / **P**ython)

**M**ongoDB

**E**xpress

**A**ngular / **R**ead

**N**ode.js

# What you need

|                          |                                |
|--------------------------|--------------------------------|
| <b>Web Host</b>          | A home for your website        |
| <b>Domain Name</b>       | A url for your website         |
| <b>Valid Certificate</b> | A signed certificate for HTTPS |



# Web Hosting

# Development Server vs Production Server

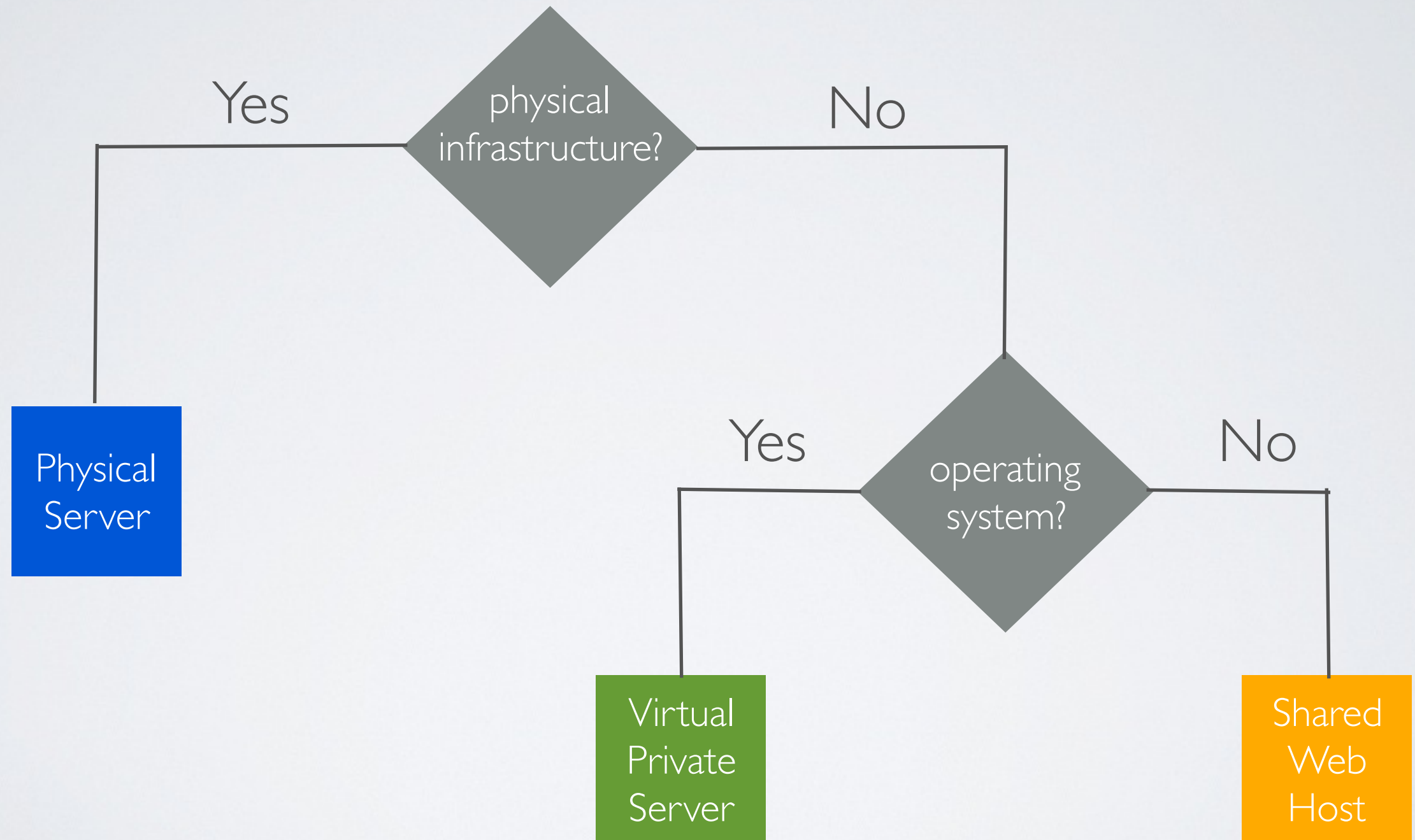
- ➔ Most web frameworks provide a development server
- Does not scale with multiple requests (high threading)
- ✓ We need to setup a production server

# Web Hosting

|                  |                                      |
|------------------|--------------------------------------|
| <b>Storage</b>   | How much space do you need?          |
| <b>Bandwidth</b> | How much traffic do you expect?      |
| <b>Money</b>     | 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

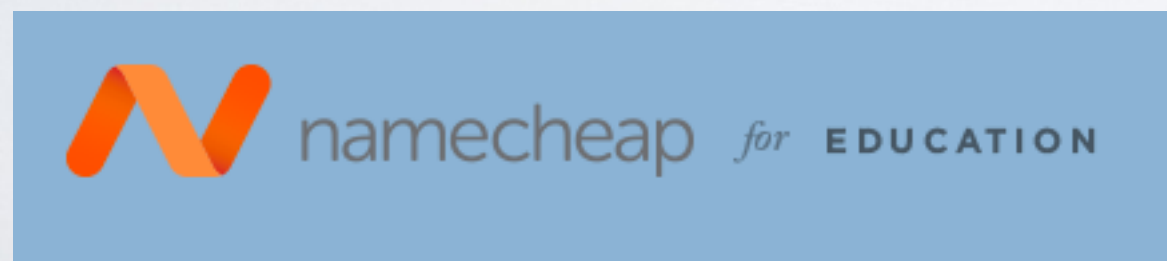


# Internet Top Level Names

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

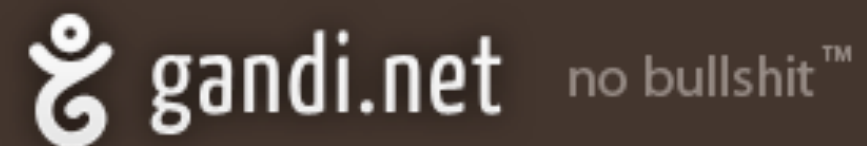
# How to get a domain name?

You need to buy one from a Domain Name Registrar



A valid certificate

# Getting a signed SSL certificate



whois

Get information about a website