Diploma in Web Development – Part I

Lesson 5
Going Live

Presented by:
Julian Quirke
Web Development Educator

Lesson 4 Recap

What is the Back-End?

- Back-End Languages
- Persistent Storage
- Introduction to SQL

- Summary
- Q&A

Today's Lesson

Going Live

- Development vs Live
- Choosing Your Host
- URLs & The Internet

- Summary
- Q&A

Let's Begin!

Development vs Live

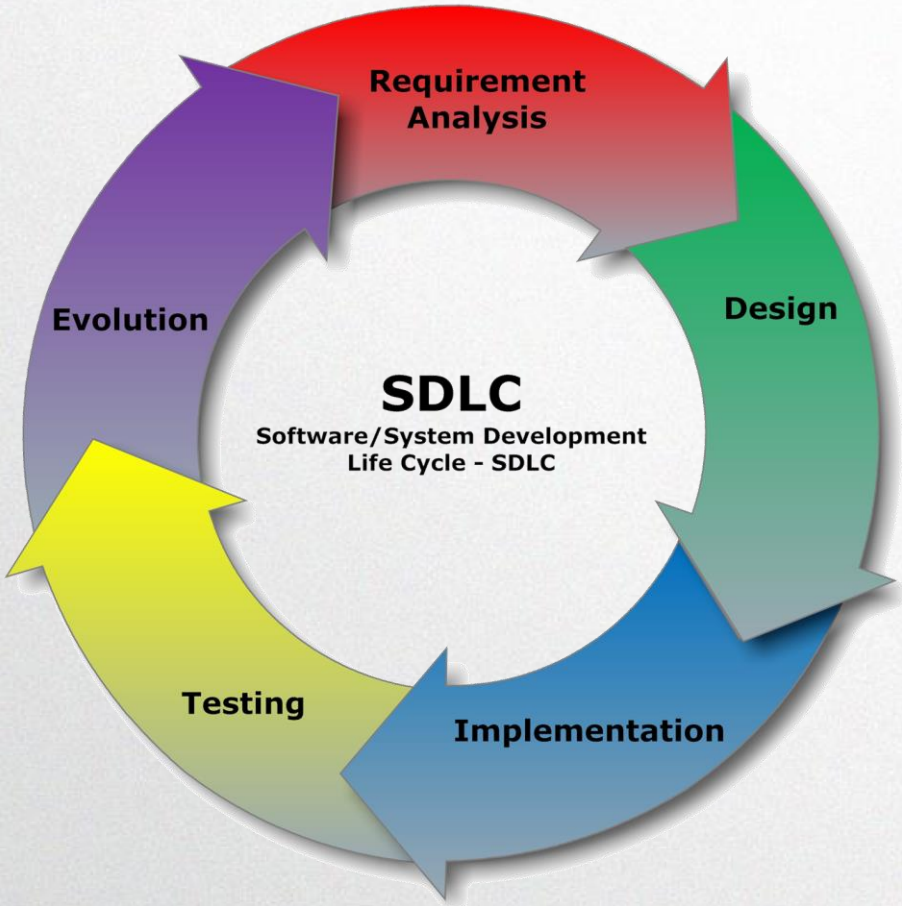
Julian Quirke
Web Development Educator

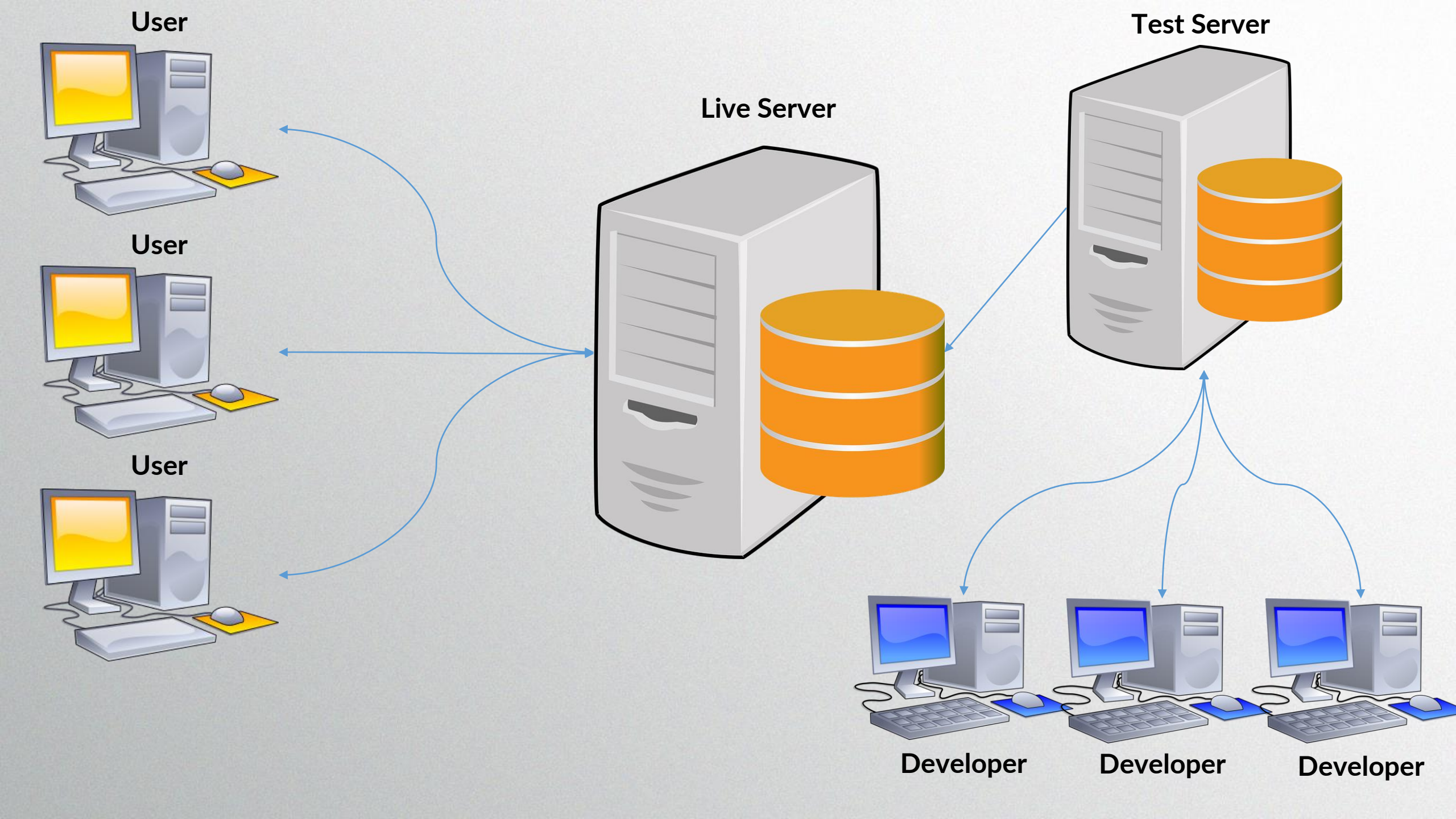
Development vs Live

Product Development

Successful Products

- Improve over time
- Separation between implementation and production
- Listen to user feedback!




User
User
User
Live Server
Test Server
Developer
Developer
Developer

Development vs Live

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Local Development Server

XAMPP

Development vs Live

Local Development Server

XAMPP

Is a free and open source cross-platform web server solution stack package

Development vs Live

XAMPP

X – Cross Platform

A – Apache

M – MariaDB

P – PHP

P – Perl

Development vs Live

Installing XAMPP

www.apachefriends.org

Alternatives:

- WAMP

- MAMP

XAMPP Installers and Dow

https://www.apachefriends.org/index.html

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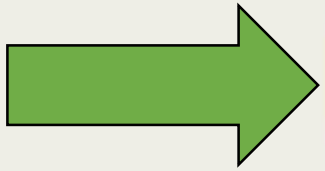
XAMPP Apache + MariaDB + PHP + Perl

What is XAMPP?

XAMPP is the most popular PHP development environment

XAMPP is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl. The XAMPP open source package has been set up to be incredibly easy to install and to use.



Download
Click here for other versions

XAMPP for **Windows** v5.6.15 (PHP 5.6.15)

XAMPP for **Linux** v5.6.15 (PHP 5.6.15)

XAMPP for **OS X** v5.6.15 (PHP 5.6.15)

XAMPP now supports PHP 7!

Download ...

New XAMPP with PHP 7.0.2

Hi Apache Friends!

We have just released new versions of XAMPP for all platforms with PHP 7.0.2.

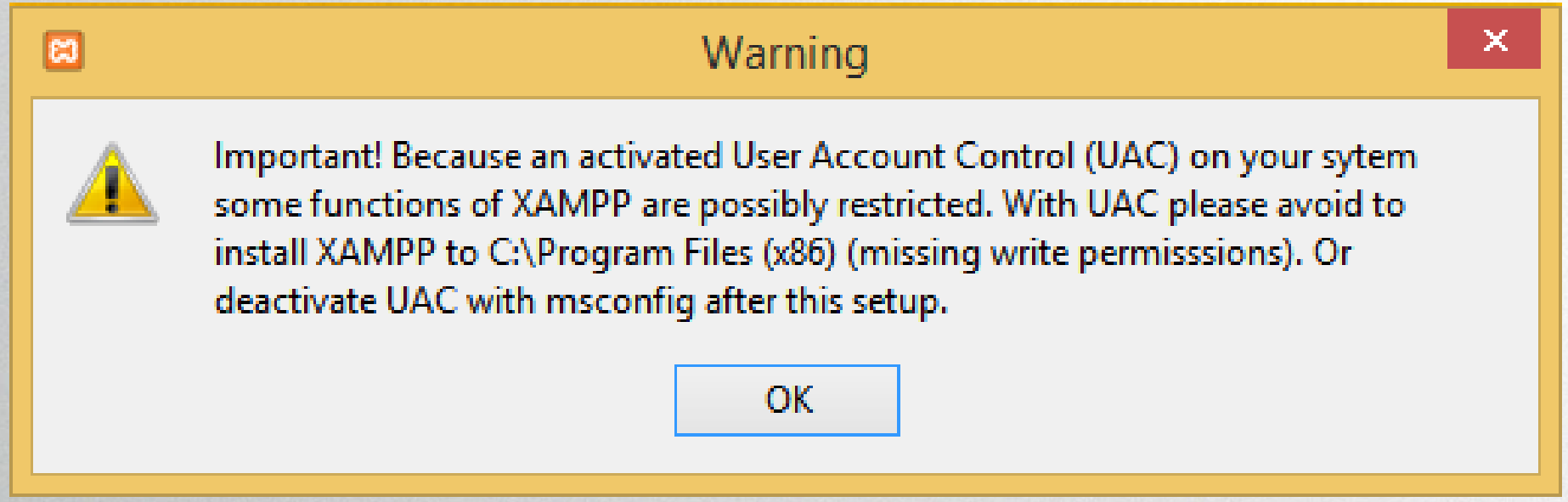
You can download new versions at http://www.apachefriends.org/download.html.

v7.0.2-1

- Updated...

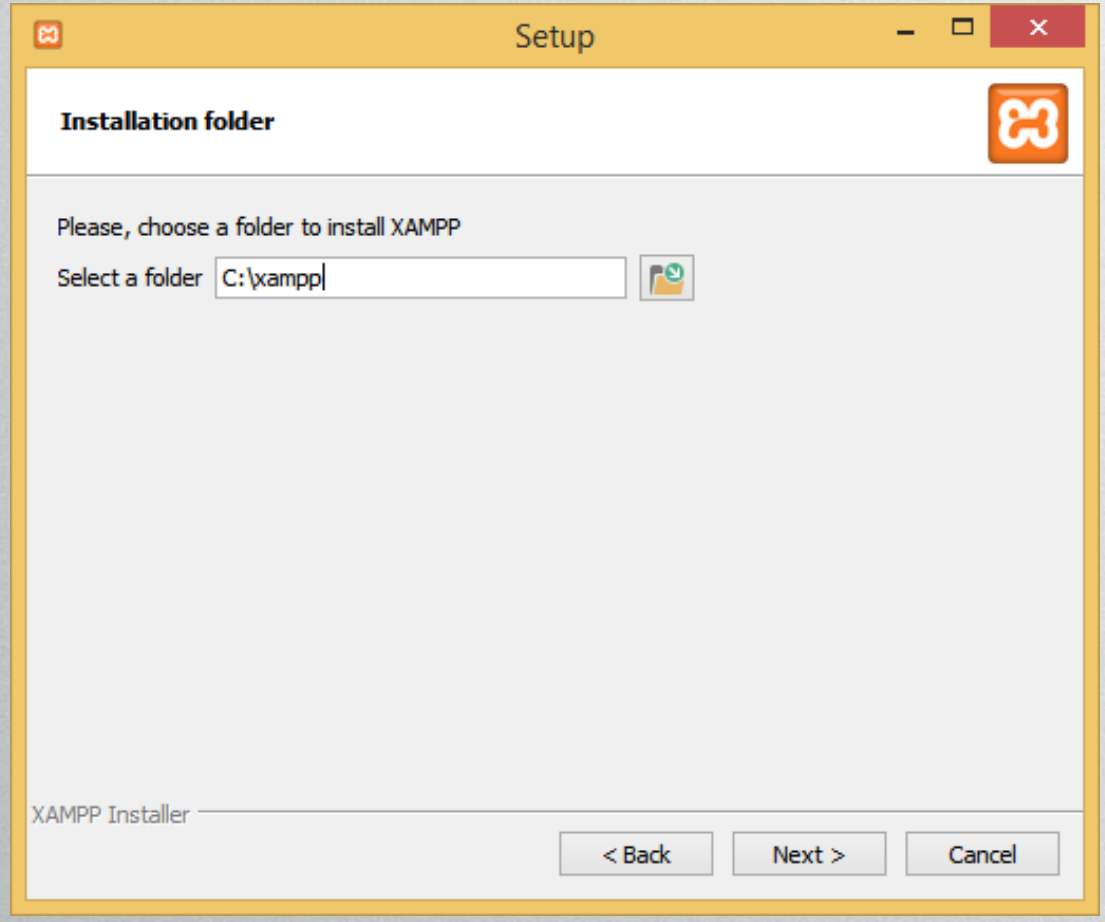
Development vs Live

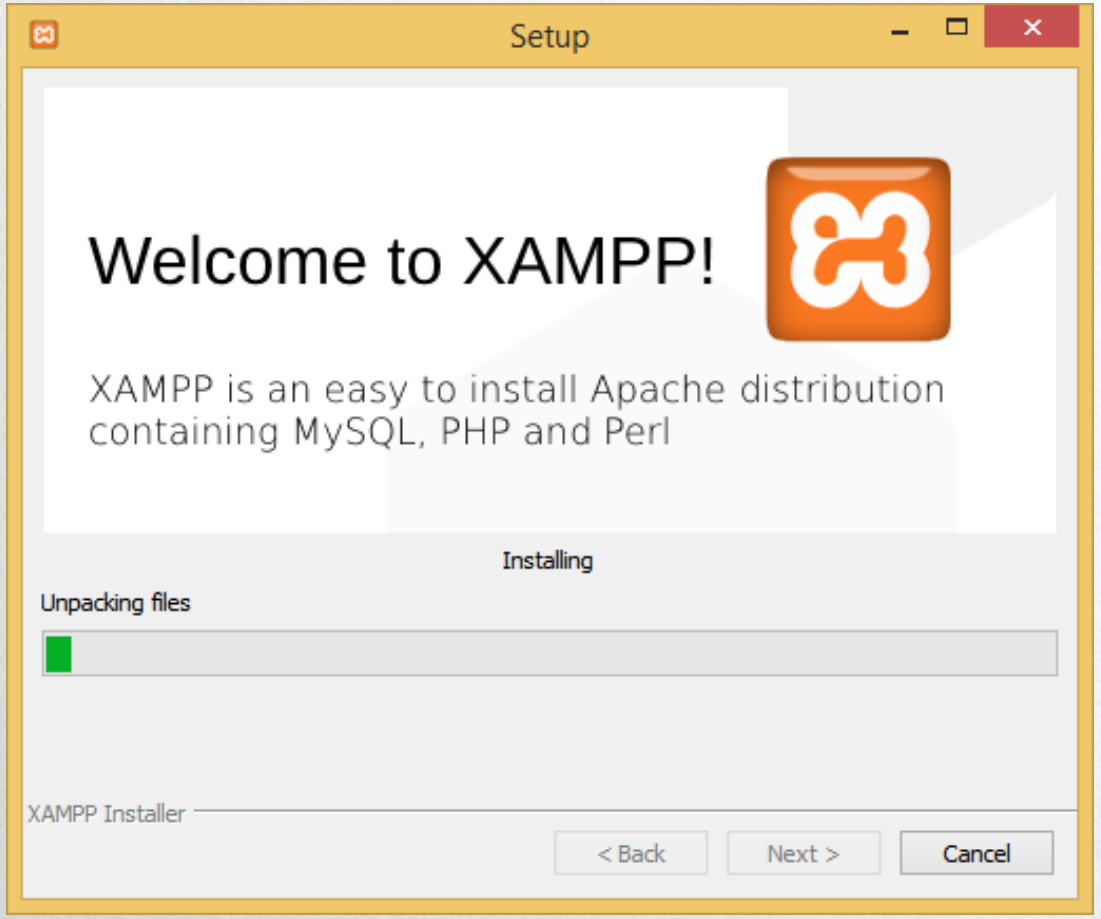
Installing XAMPP



Development vs Live

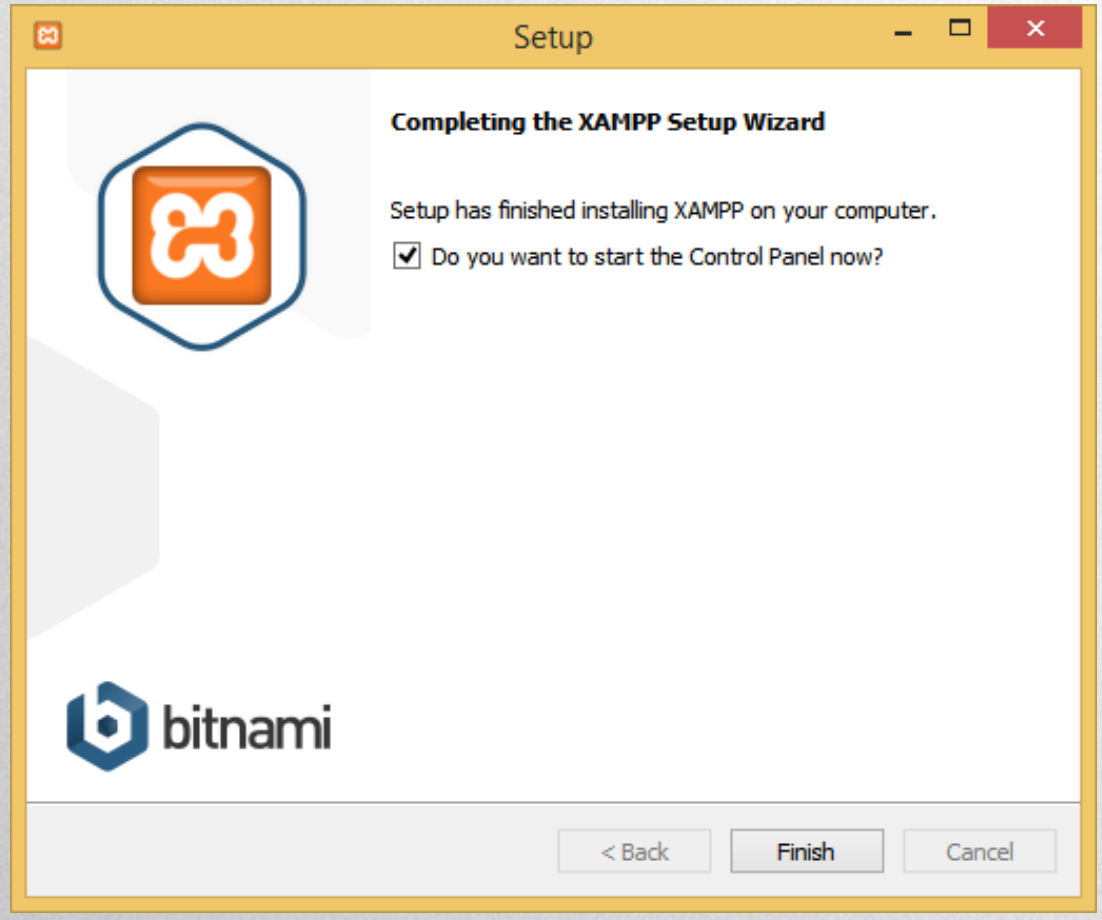
Installing XAMPP





Development vs Live

Installing XAMPP

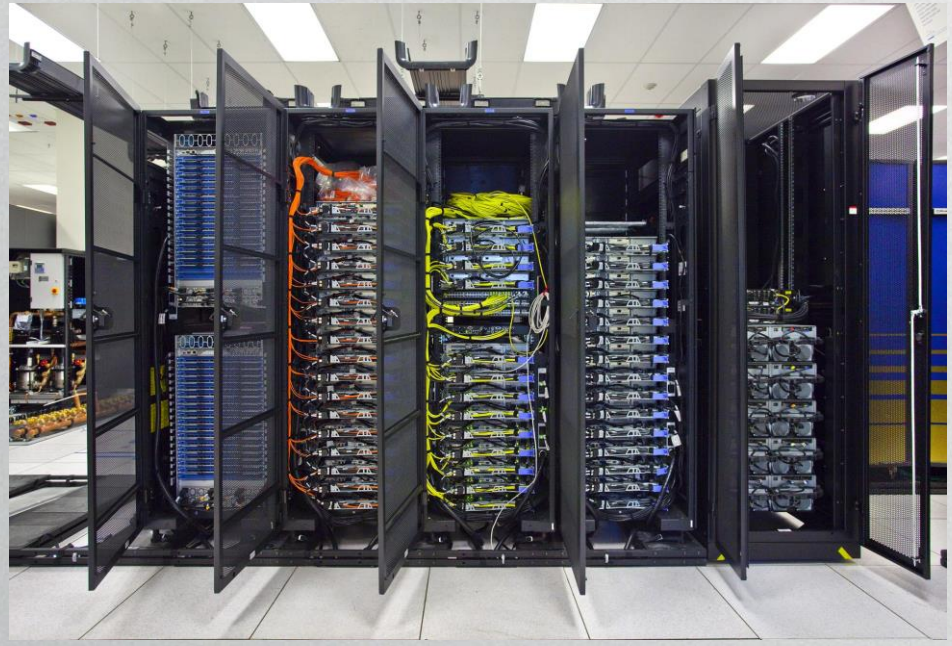


Development vs Live

What about Live?

Development vs Live

Two Options



Build Your Own Server

Get Someone Else To Do It

Choosing Your Host

Choosing Your Host

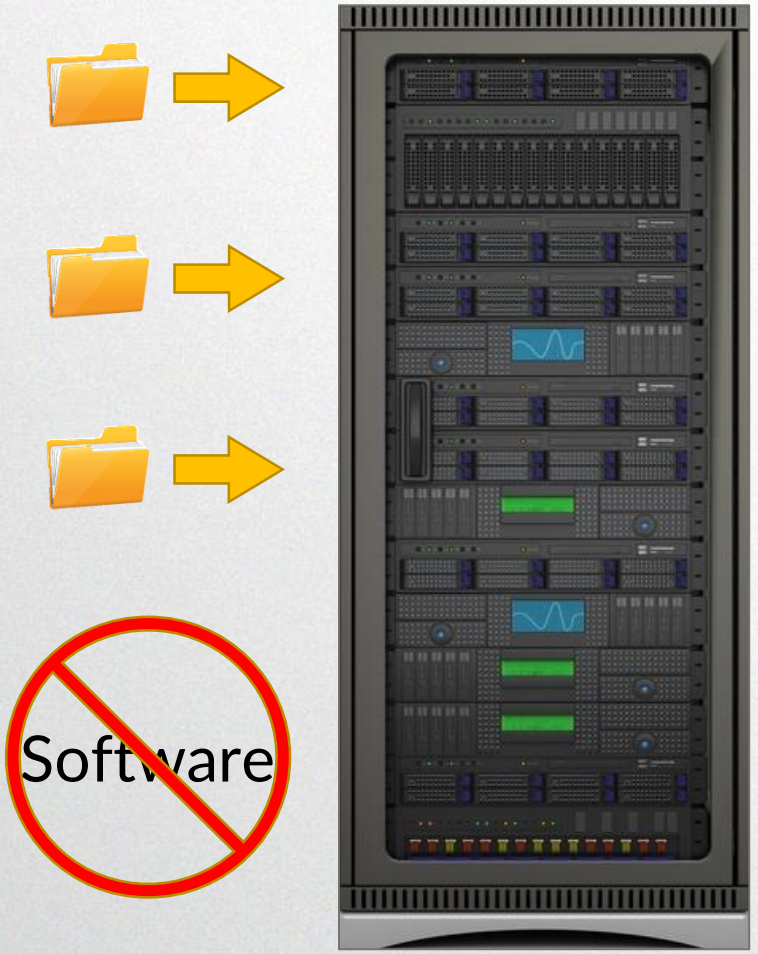
Option: Free Web Hosting

Advantages

- It's Free!

Disadvantages

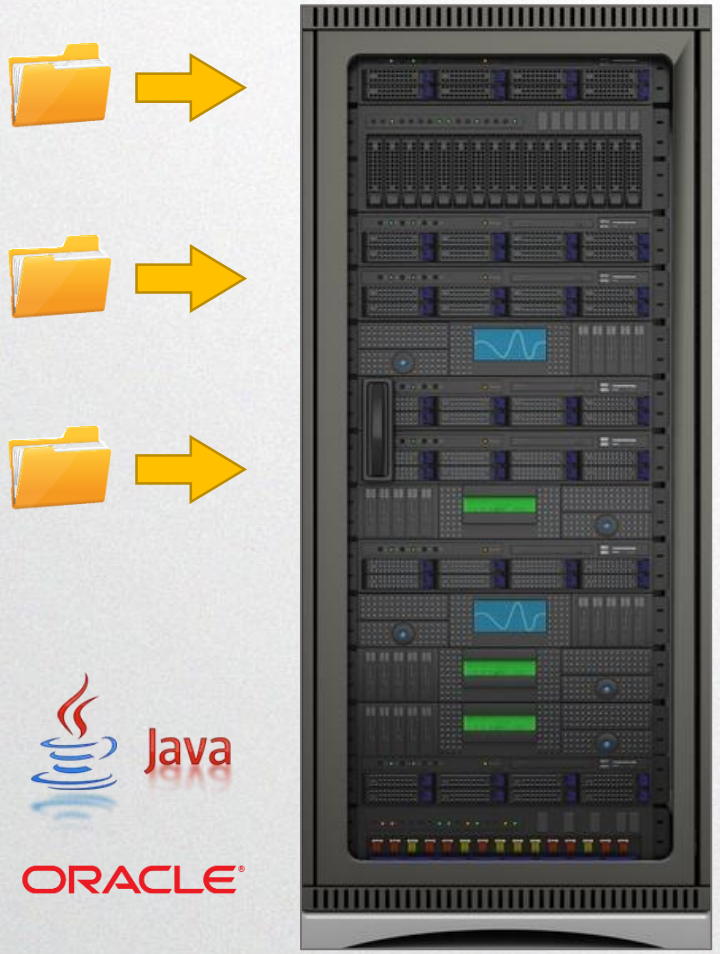
- You get what you pay for
  - Limited control
  - Unwanted advertising



Choosing Your Host

Option: Paid Shared Web Hosting

- Domain Name
- Software & Database options
- Technical support



Choosing Your Host

Option: Dedicated Web Hosting

- Whole server, just for you
- Multiple projects
- Multiple domain names
- Install anything

Choosing Your Host

Option: Elastic Web Hosting

- As flexible as dedicated hosting
- Choose your own software
- Pay only for what you use

- (Difficult to set up)

Choosing Your Host

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Web Development Educator

Choosing Your Host

DEMONSTRATION

Uniform Resource Locator

Uniform Resource Locator

is a type of Uniform Resource Identifier that specifies the location of a web resource on a computer network

URLs & The Internet

URL

Protocol

URLs & The Internet

URL

Subdomain

https://www.myexamplesite.co.uk/videos/index.php?watch=test+video

URLs & The Internet

URL

Domain Name

https://www.myexamplesite.co.uk/videos/index.php?watch=test+video

URLs & The Internet

URL

URLs & The Internet

URL

URLs & The Internet

URL

Protocol

- Method of communication
  - **HTTP**
  - **HTTPS**
  - FTP
  - Many more

URLs & The Internet

URL

Domain Name

- Unique address of the website on the internet
- Used to identify websites and refer to correct web server

URLs & The Internet

URL

Subdomain

- Unique address of the website on the internet
- Used to identify websites and refer to correct web server

URLs & The Internet

URL

Parameters

- GET parameters added here
- HTML GET form requests
- Other GET requests (AJAX, etc)
- Manual GET simulation

Next Lesson

- The next session is **"The Full Stack – Choose Your Path"**
  - Professional Development Roles
  - Freelance Development & The Full Stack Developer
  - Roles in Peripheral Industries

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