

Web Programming

Week 2: Web Fundamentals & Environment Setup



Fenerbahçe University



Web Fundamentals & Environment Setup

DNS

WWW

HTTP

HTTPS

Domain

Where to buy a domain?

What is a server?

Server OS

Windows

Linux

Apache Server + PHP Installation

Simple HTML

AI tools: HTML + CSS CV Site

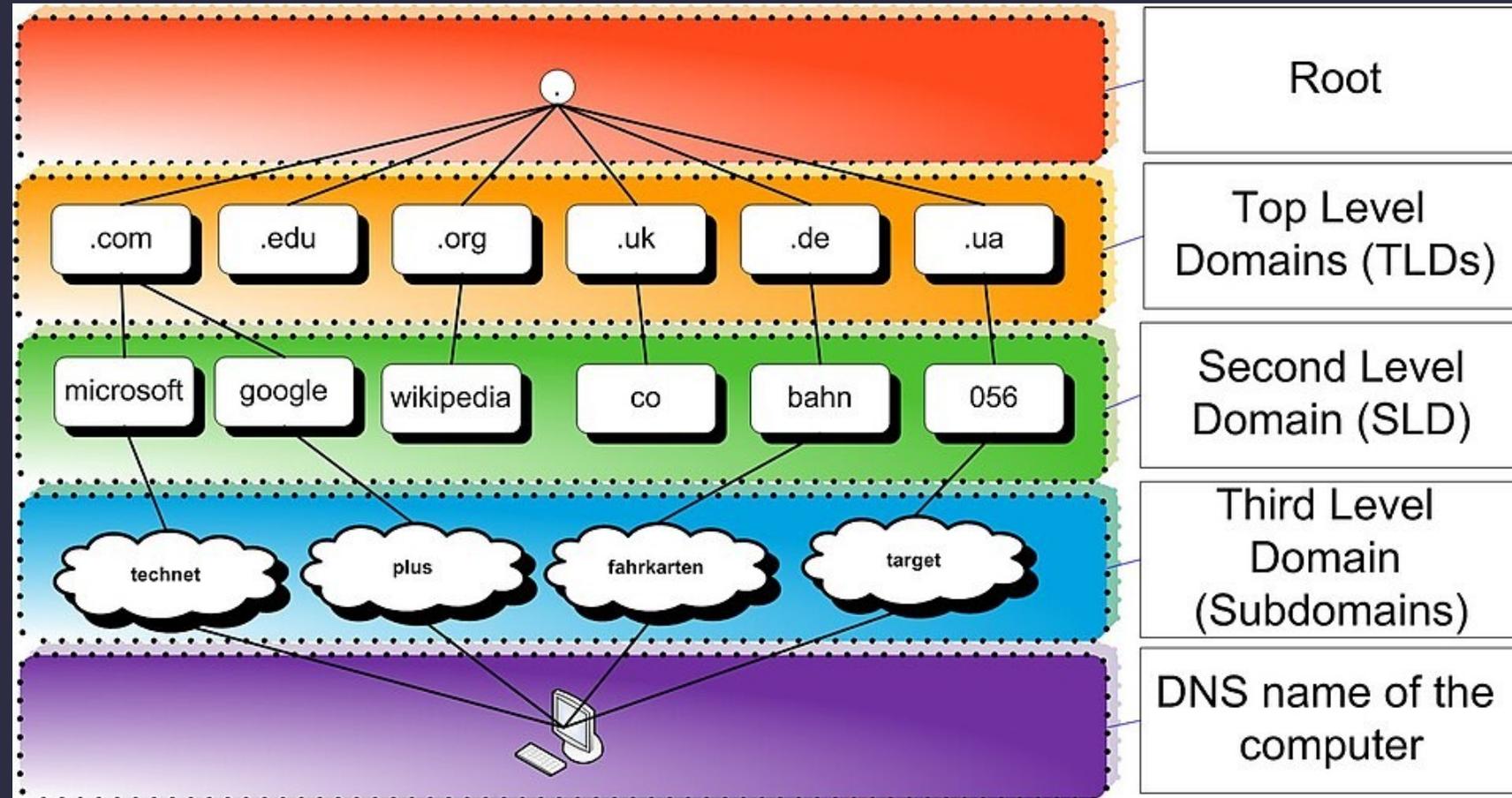


DNS (Domain Name System)

- How names become IP addresses
- Records, caching, and troubleshooting

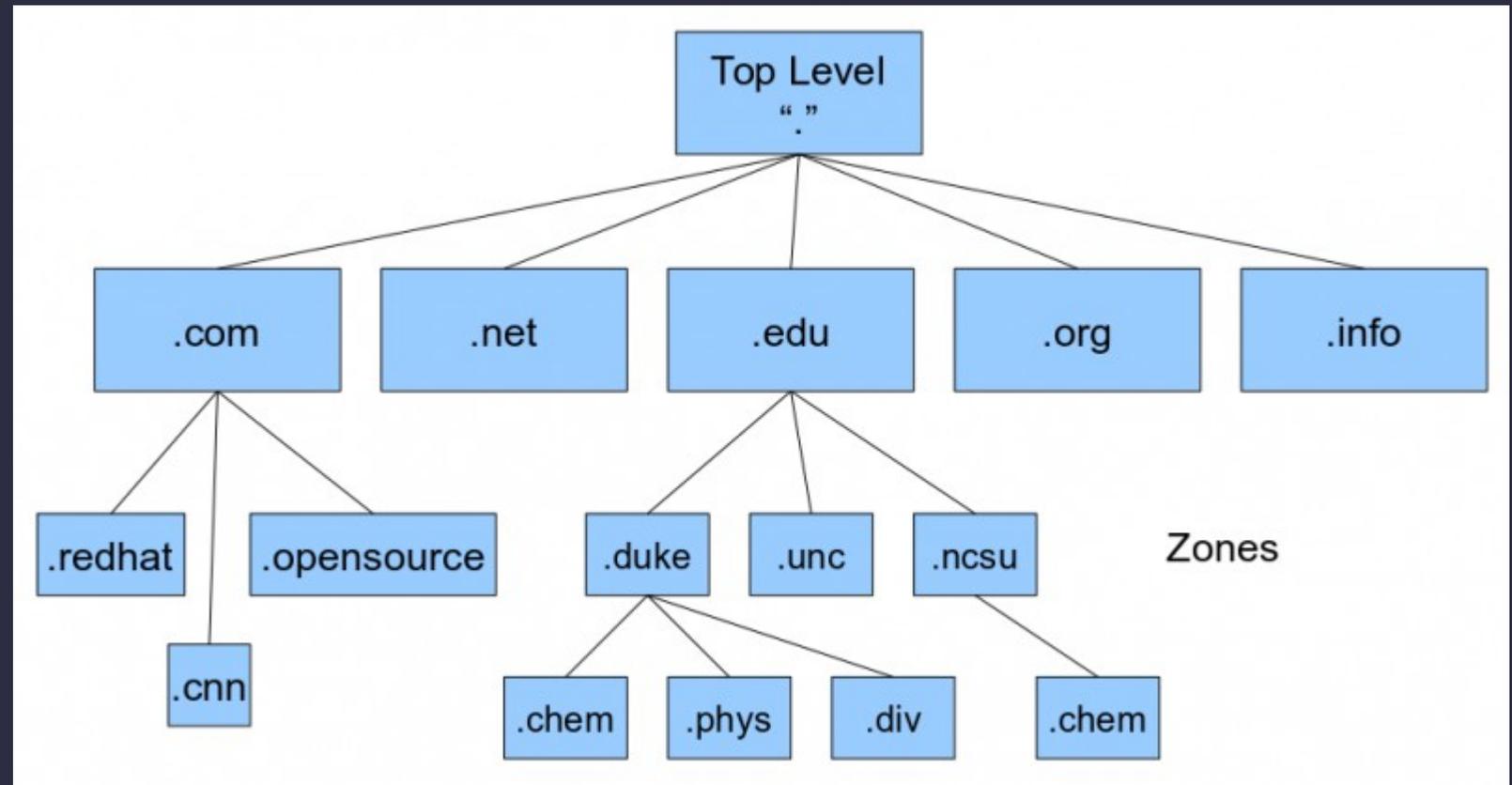
Why DNS Exists

- Humans remember names (example.com); networks route to IP addresses.
- DNS is a distributed database that maps names to records (A/AAAA/CNAME, etc.).
- Without DNS, you would have to memorize IP addresses for every site.



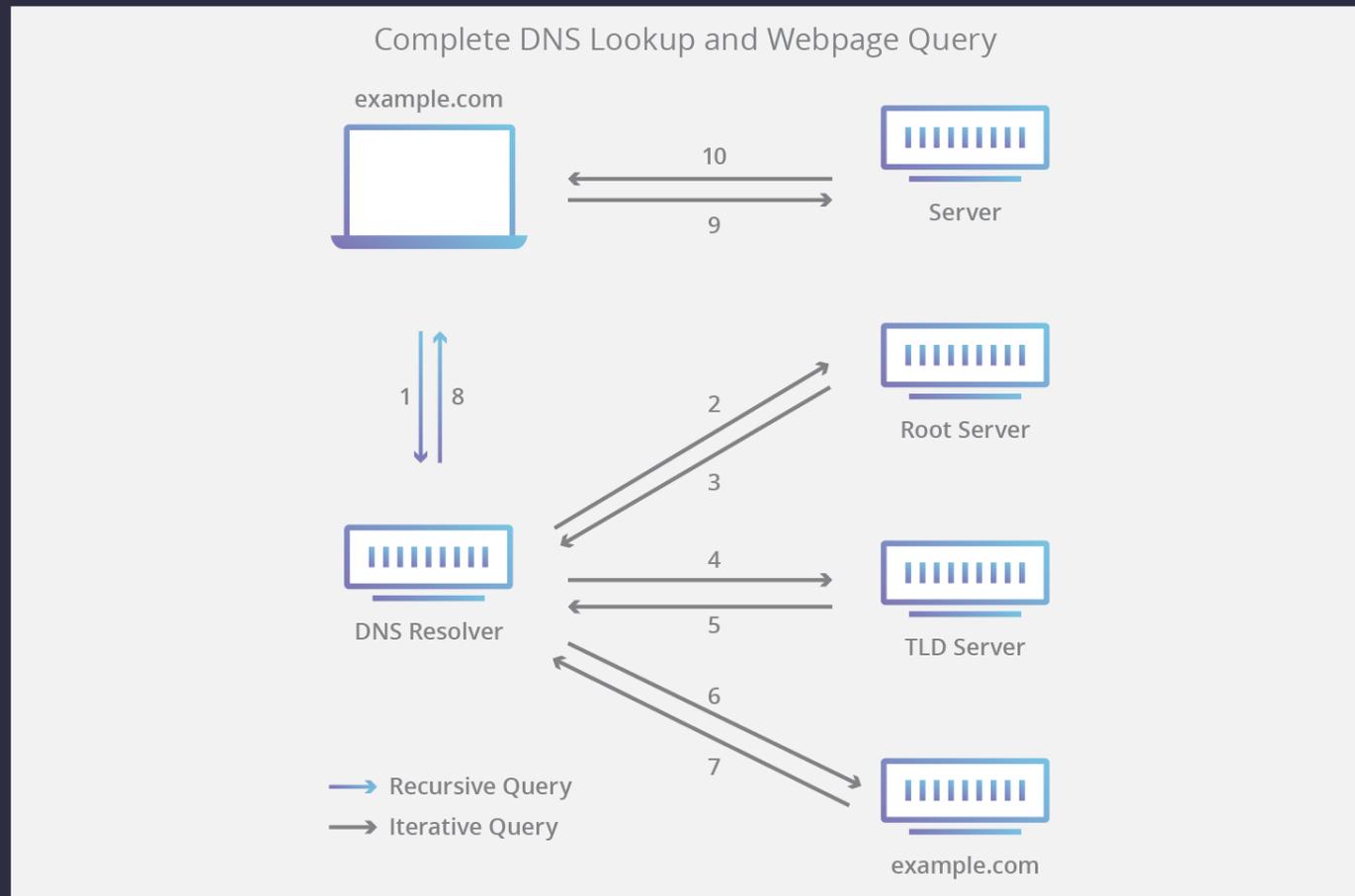
Domain Name Hierarchy

- Root (.) → Top-Level Domain (TLD) → Second-Level Domain → Subdomain.
- Example: blog.example.com
- Different organizations manage different parts (root, TLDs, authoritative zones).



DNS Lookup: What Happens When You Type a URL

- Your device asks a recursive resolver (often your ISP or a public resolver).
- The resolver queries root → TLD → authoritative name servers.
- Results are cached (TTL) to speed up future requests.



Common DNS Record Types

- A — maps a name to an IPv4 address
- AAAA — maps a name to an IPv6 address
- CNAME — alias (points a name to another name)
- MX — mail servers for a domain
- TXT — text records (SPF/DKIM/verification)
- NS — authoritative name servers for a zone

TTL & Caching (Why DNS Changes Take Time)

- TTL (Time To Live) tells resolvers how long they can cache a record.
- Lower TTL = faster changes, but more DNS queries.
- Higher TTL = fewer queries, but changes propagate more slowly.
- Browsers/OS/resolvers may cache results at multiple layers.

Try It: DNS Lookup From Your Computer

- `nslookup example.com`
 -
 - `# (macOS/Linux)`
 - `dig example.com A +short`
 -
 - `dig example.com AAAA +short`
- Run the commands and compare outputs.
 - Which name server answered you?
 - What is the TTL value (if shown)?

Internet vs World Wide Web (WWW)

- Internet = the global network (hardware + routing).
- Web (WWW) = a service that runs on the Internet (HTTP/HTTPS + browsers + servers).
- You can use the Internet without the Web (email, gaming, SSH, etc.).

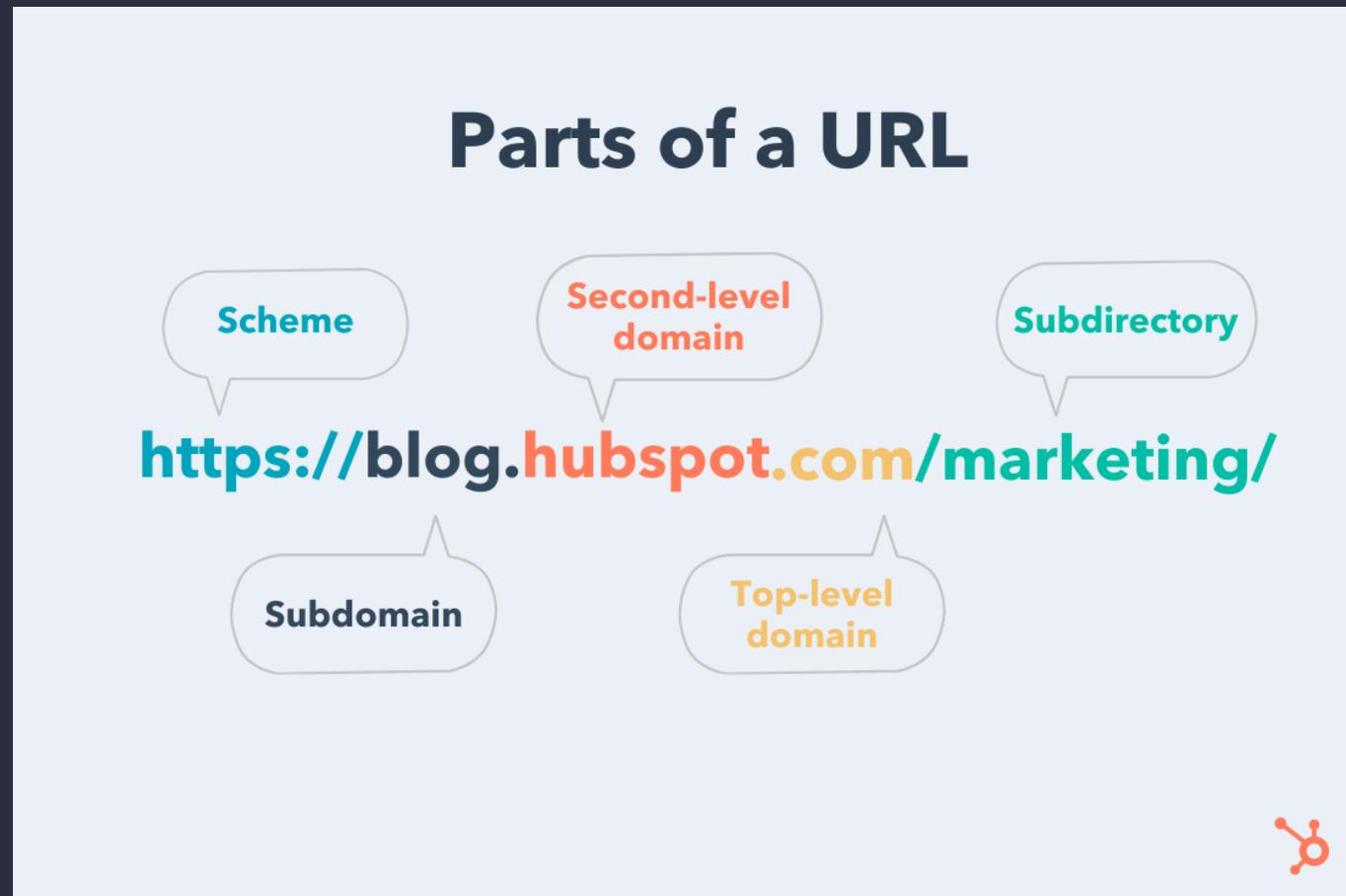


Client–Server

- Client = your browser/app.
- Sends requests (e.g., GET /index.html).
- Renders the response for the user.
- Server = a computer/service that responds.
- Stores files + runs code (PHP, Node, etc.).
- Returns responses (HTML/CSS/JS/JSON).

Anatomy of a URL

- Scheme: https
- Host: blog.example.com
- Path: /marketing/
- Optional: query (?q=...) and fragment (#section)



Resources on the Web (More Than “Web Pages”)

- HTML documents, images, videos, fonts, JSON APIs...
- Each response has a MIME type (Content-Type).
- Common types: text/html, text/css, application/javascript, application/json, image/png

HTTP (Hypertext Transfer Protocol)

- How requests and responses work
- Methods, status codes, headers

What Is HTTP?

- HTTP is an application-layer protocol used to transfer resources on the Web.
- It is stateless: each request is independent (sessions are built on top).
- HTTP runs over TCP (most common) or QUIC (HTTP/3).

HTTP Message Basics

- Request line: METHOD /path HTTP/1.1
- Headers: Host, Accept, User-Agent...
- Optional body (POST/PUT/PATCH)
- Status line: HTTP/1.1 200 OK
- Headers: Content-Type, Cache-Control...
- Body:
HTML/CSS/JS/JSON/image...

Common HTTP Methods

- GET — read a resource (should not change server state).
- POST — create/submit data (often changes state).
- PUT — replace a resource (idempotent).
- PATCH — partially update a resource.
- DELETE — remove a resource.
- HEAD/OPTIONS — metadata & capabilities.

HTTP Status Codes (Big Picture)

- 1xx Informational
- 2xx Success (200 OK, 201 Created)
- 3xx Redirect (301, 302, 307, 308)
- 4xx Client error (400, 401, 403, 404)
- 5xx Server error (500, 502, 503)

Headers You'll See Every Day

- Content-Type — what the body is (HTML, JSON, image...).
- Accept — what the client can handle.
- Cache-Control — caching rules.
- Authorization — credentials (tokens).
- Set-Cookie / Cookie — state management.

Request Bodies & Formats

- HTML forms: application/x-www-form-urlencoded or multipart/form-data
- APIs: application/json
- Files: multipart/form-data
- Always validate and sanitize input on the server.

Cookies & Sessions (Stateless → Stateful)

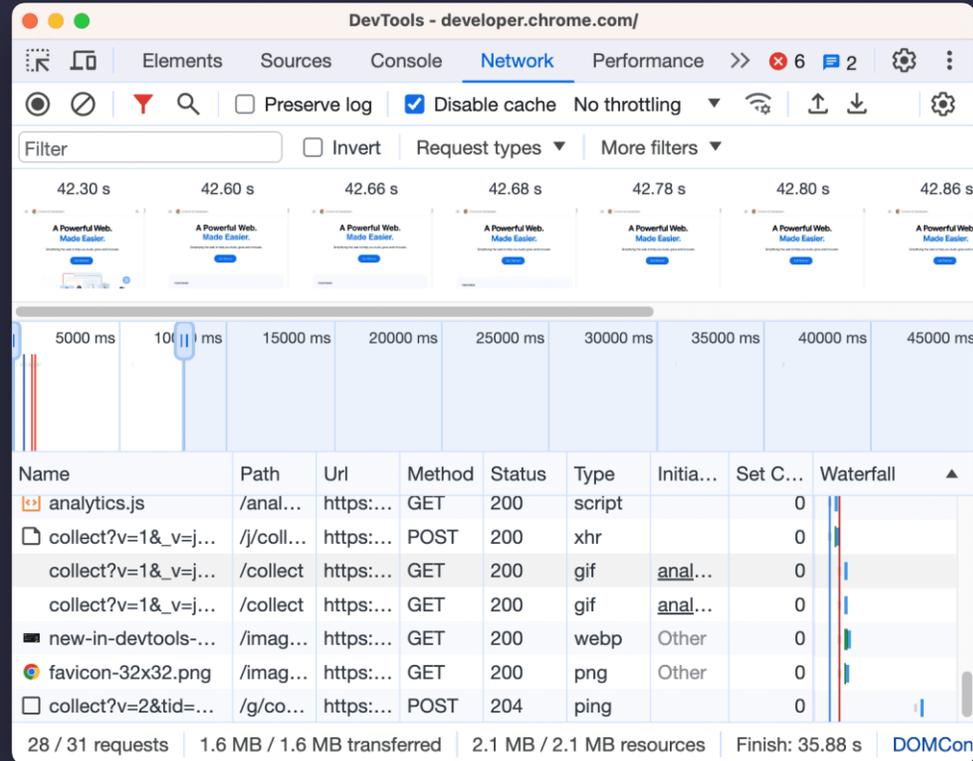
- A cookie is a small piece of data stored by the browser for a site.
- Servers use cookies to keep session IDs (login state).
- Security flags: HttpOnly, Secure, SameSite.

Caching 101

- Caching saves time and bandwidth.
- Cache-Control: max-age, no-store, must-revalidate...
- ETag / If-None-Match enables conditional requests (304 Not Modified).

DevTools: Network Panel (Your Best Friend)

- See every request: URL, method, status, timing, size.
- Inspect request headers, response headers, and cookies.
- Use “Disable cache” while developing.



The screenshot shows the Chrome DevTools Network Panel. The top bar includes navigation tabs (Elements, Sources, Console, Network, Performance) and a toolbar with options like 'Preserve log', 'Disable cache', and 'No throttling'. The main area displays a list of network requests with a waterfall chart above it. The requests are:

Name	Path	Url	Method	Status	Type	Initia...	Set C...	Waterfall
analytics.js	/anal...	https:...	GET	200	script		0	
collect?v=1&_v=j...	/j/coll...	https:...	POST	200	xhr		0	
collect?v=1&_v=j...	/collect	https:...	GET	200	gif	anal...	0	
collect?v=1&_v=j...	/collect	https:...	GET	200	gif	anal...	0	
new-in-devtools-...	/imag...	https:...	GET	200	webp	Other	0	
favicon-32x32.png	/imag...	https:...	GET	200	png	Other	0	
collect?v=2&tid=...	/g/co...	https:...	POST	204	ping		0	

At the bottom, summary statistics are shown: 28 / 31 requests, 1.6 MB / 1.6 MB transferred, 2.1 MB / 2.1 MB resources, Finish: 35.88 s, and DOMCon.

Hands-On: Inspect a Request

- 1) Open a website
- 2) Press F12 (DevTools)
- 3) Network tab → Reload
- 4) Click a request
-
- Look for:
 - - Status code
 - - Response headers
 - - Content-Type
 - - Cache-Control
- Pick one CSS file and one image.
- How big are they? Are they cached?
- What happens on reload?

HTTPS (HTTP + TLS)

- Encryption, integrity, and identity
- Certificates and trust

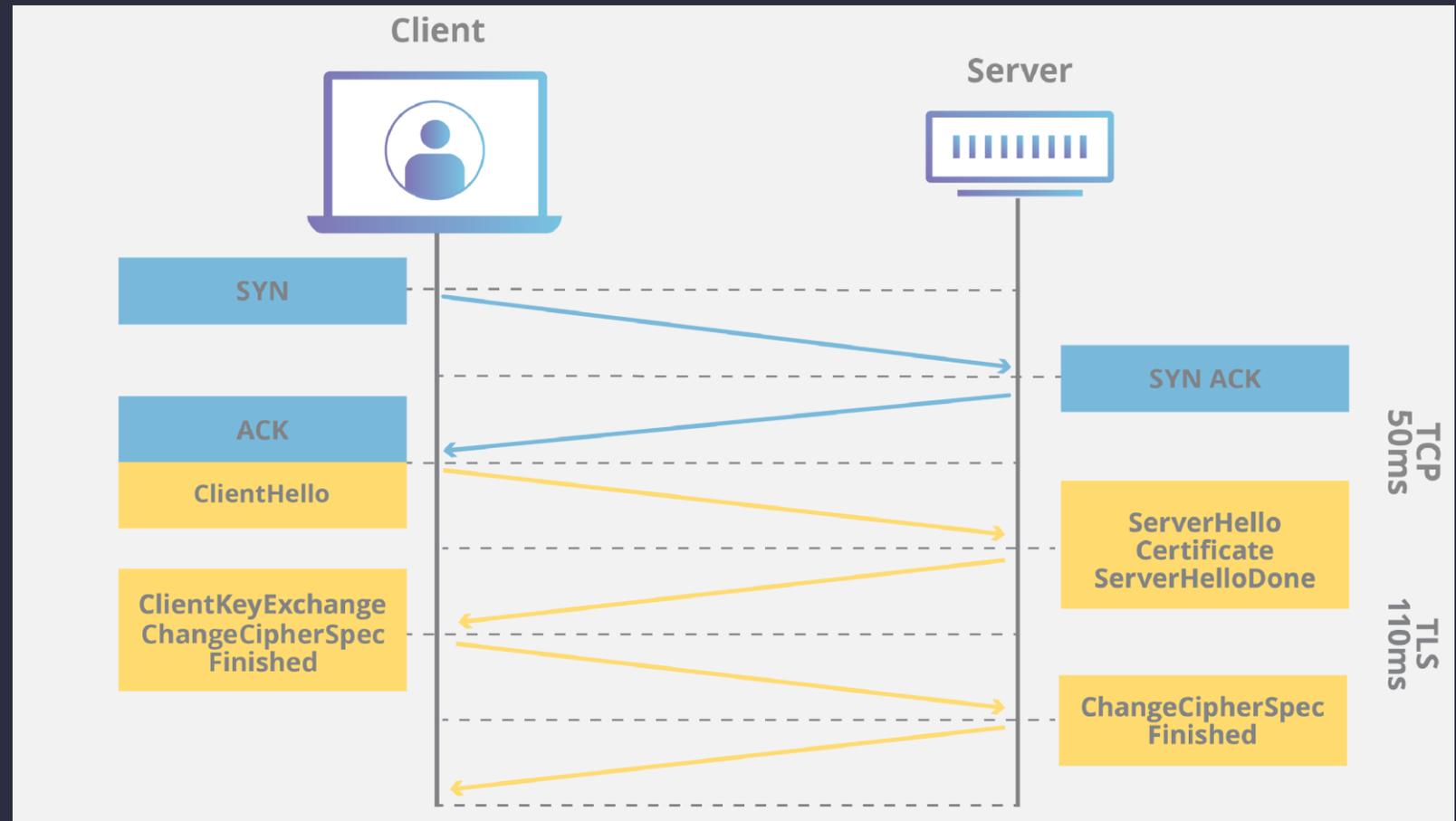
Why HTTPS?

- Encrypts traffic (prevents eavesdropping).
- Protects integrity (detects tampering).
- Authenticates the server (certificate + trusted CAs).
- Required for many modern web features (e.g., Service Workers).



TLS Handshake (High Level)

- Client and server agree on encryption parameters.
- Server presents a certificate (proof of identity).
- They derive shared keys and switch to encrypted communication.



Certificates: What's Inside?

- Subject (domain name) and validity dates
- Public key
- Issuer (Certificate Authority)
- Digital signature



What Your Browser Verifies

- The certificate is valid (not expired, not revoked in some cases).
- The domain name matches the certificate (SAN / CN).
- The certificate chain links to a trusted root CA.
- The connection is encrypted using TLS.

HTTP vs HTTPS

- **HTTP**

- Data is readable on the network.
- Vulnerable to tampering (MITM).
- No built-in identity verification.

- **HTTPS**

- Encrypted communication (TLS).
- Integrity protection.
- Server identity verified via certificate chain.

Getting HTTPS for a Real Website

- Most hosting providers support free certificates (Let's Encrypt).
- You can also use a CDN (Cloudflare, etc.) to enable HTTPS.
- Best practice: redirect HTTP → HTTPS and enable HSTS when ready.

Domains

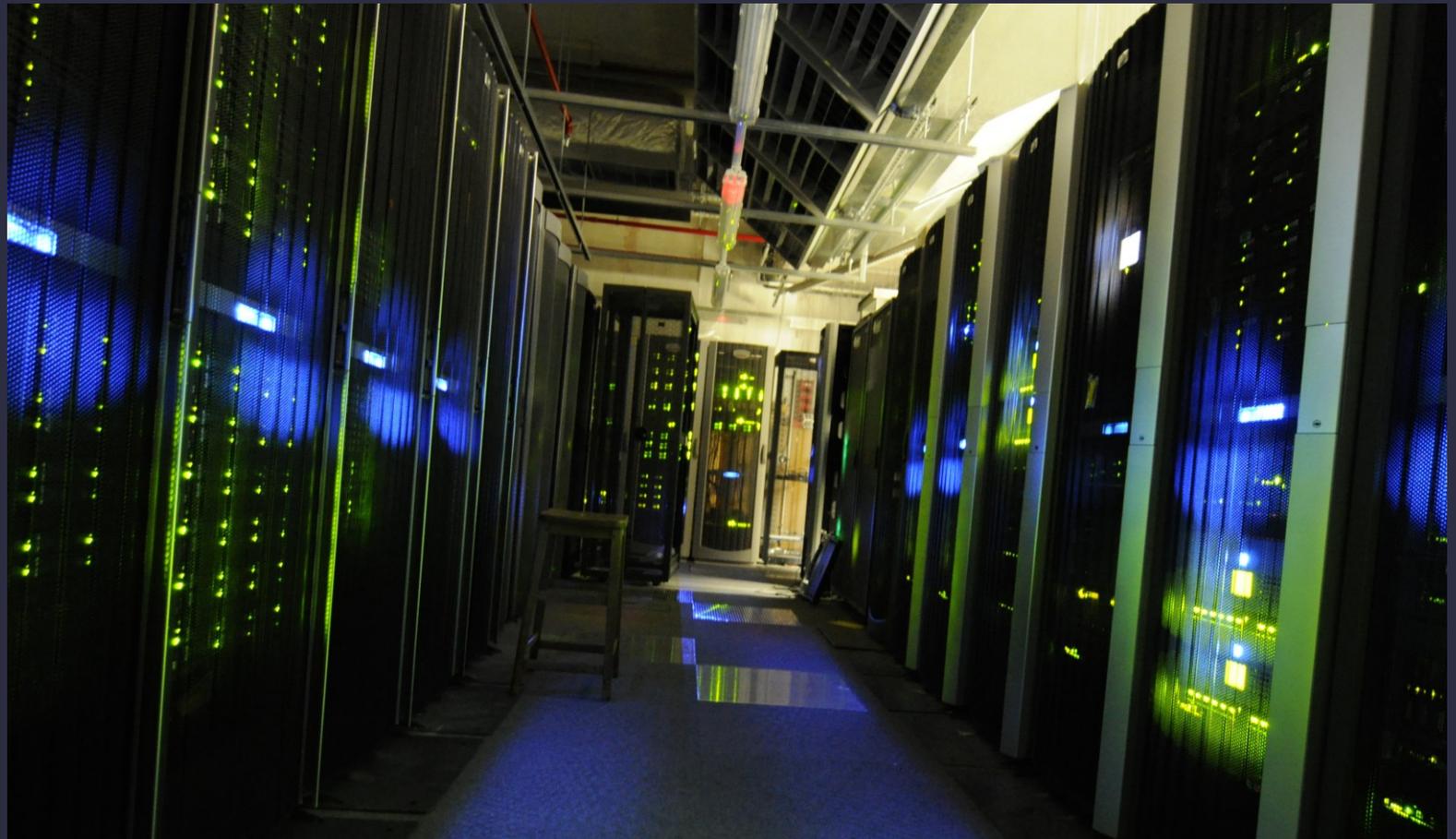
- Domain vs URL vs DNS
- Buying a domain
- Connecting it to hosting

Servers & Hosting

- What “server” means
- Hosting types
- Ports and deployment

What Is a Server?

- A server is a program (and often a machine) that provides a service to clients.
- For the Web: a web server responds to HTTP/HTTPS requests.
- Servers can be physical machines, VMs, or containers in the cloud.



Common Hosting Options

- Shared hosting
- Cheaper, easy setup
- Limited control/performance
- VPS / Cloud VM
- More control (root access)
- You manage updates/security

Server Roles in a Typical Web App

- Web server (Apache/Nginx)
- Serves static files (HTML/CSS/JS/images)
- Reverse proxy to apps
- App server (PHP, Node, Python...)
- Runs business logic
- Talks to databases/APIs

Ports You Should Know

- 80 — HTTP
- 443 — HTTPS
- 22 — SSH (remote server management)
- 3306 — MySQL (database, usually not exposed publicly)

Deployment Overview (Simple Version)

- Put your files/code on a server (hosting).
- Configure DNS to point your domain to that server.
- Ensure the web server serves your project (document root).
- Enable HTTPS and keep software updated.

Server OS (Windows vs Linux)

- Where servers usually run
- Command line essentials
- Remote access

Windows vs Linux (For Web Servers)



• Windows

- Great for Microsoft ecosystem (AD, .NET, IIS).
- GUI-friendly, but servers often still use CLI/PowerShell.
- Licensing can add cost.



• Linux

- Very common for web hosting (Apache/Nginx, SSH).
- Strong CLI tooling, automation-friendly.
- Many distributions (Ubuntu, Debian, CentOS, etc.).

Linux Basics You'll Meet Often

- Filesystem: /etc (config), /var (logs), /home (users), /usr (programs).
- Permissions: read/write/execute (rwx) for user/group/others.
- Common commands: ls, cd, mkdir, cp, mv, rm, cat, nano/vim

SSH: Connect to a Server

- `ssh username@server_ip`
 -
 - `# Example`
 - `ssh student@203.0.113.10`
 -
 - `# Copy a file to the server`
 - `scp index.html student@203.0.113.10:/var/www/html/`
- SSH is the standard secure remote shell for Linux servers.
 - You'll use it later for deployment.
 - Today we focus on local setup (XAMPP).

Quick Check (Server OS)

- Why do many servers prefer Linux?
- What does 'rwx' mean in file permissions?
- What is SSH used for?

Web Design

WampServer

a Windows web development environment.

WampServer is a Windows web development environment.
It allows you to create web applications with

- Apache2
- PHP
- MySQL database.

Alongside, PhpMyAdmin allows you to manage easily your databases.



Web Design

WampServer

Before install WampServer, Install Visual C++ Packages

<https://www.techpowerup.com/download/visual-c-redirectible-runtime-package-all-in-one/>

Web Design

WampServer

Before install
WampServer, Install
Visual C++ Packages

Name	Date modified	Type	Size
install_all	09-Feb-24 11:38 AM	Windows Batch File	2 KB
vc redistrib2005_x64	09-Feb-24 11:38 AM	Application	3,102 KB
vc redistrib2005_x86	09-Feb-24 11:38 AM	Application	2,644 KB
vc redistrib2008_x64	09-Feb-24 11:38 AM	Application	5,086 KB
vc redistrib2008_x86	09-Feb-24 11:38 AM	Application	4,375 KB
vc redistrib2010_x64	09-Feb-24 11:38 AM	Application	10,034 KB
vc redistrib2010_x86	09-Feb-24 11:38 AM	Application	8,780 KB
vc redistrib2012_x64	09-Feb-24 11:38 AM	Application	7,019 KB
vc redistrib2012_x86	09-Feb-24 11:38 AM	Application	6,401 KB
vc redistrib2013_x64	09-Feb-24 11:38 AM	Application	7,032 KB
vc redistrib2013_x86	09-Feb-24 11:38 AM	Application	6,358 KB
vc redistrib2015_2017_2019_2022_x64	04-Dec-25 2:40 PM	Application	18,124 KB
vc redistrib2015_2017_2019_2022_x86	04-Dec-25 2:41 PM	Application	6,716 KB

Web Design

WampServer

Download Link: <https://www.wampserver.com/en/>

The graphic features the word 'WAMPSEVER' in large, bold, black letters. A red stamp with the text 'CONTRIBUTION ALTER WAY' is placed over the 'SEVER' part. Below the main title, the text 'a Windows web development environment.' is written in orange. A paragraph of descriptive text follows, and a black button with yellow text 'START USING WAMPSEVER' is at the bottom. The background includes a hand holding a pipette and some pink bubbles.

WAMPSEVER,
a Windows web development environment.

WampServer is a Windows web development environment. It allows you to create web applications with Apache2, PHP and a MySQL database. Alongside, PhpMyAdmin allows you to manage easily your databases.

START USING WAMPSEVER

WampServer



DOWNLOADS

WampServer is available for free (under GPL license) in two distinct versions : 32 and 64 bits. Wampserver 2.5 is not compatible with Windows XP, neither with SP3, nor Windows Server 2003. Older WampServer versions are available on [SourceForge](#).

WAMPSEVER

WAMPSEVER 64 BITS (X64) 3.3.7

Wampserver 64 bits (x64) 3.4.0

Wampserver 3.4.0 64 bit – Apache 2.4.65 – PHP

8.0.30/8.1.33/8.2.29/8.3.28/8.4.15/8.5.0 – MySQL 8.4.7 – MariaDB 11.4.9 –

PhpMyAdmin 5.2.3 – Adminer 5.4.1 – PhpSysInfo 3.4.4.

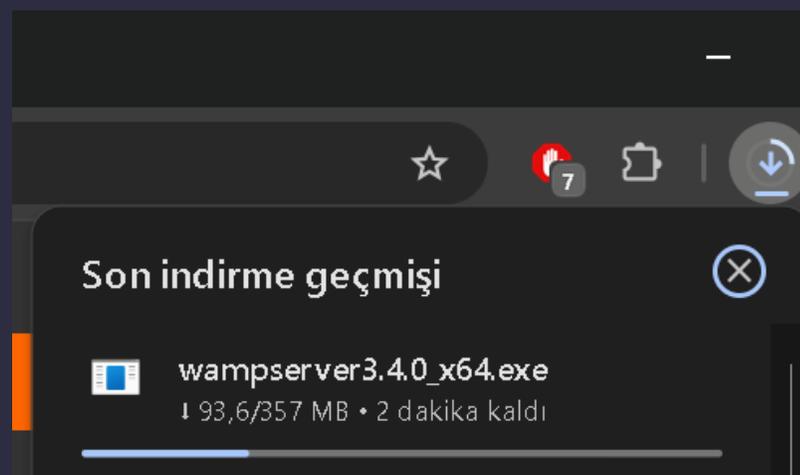
[changelog](#)

Web Design

WampServer

DOWNLOAD WAMP SERVER 64 BITS (X64) 3.3.7

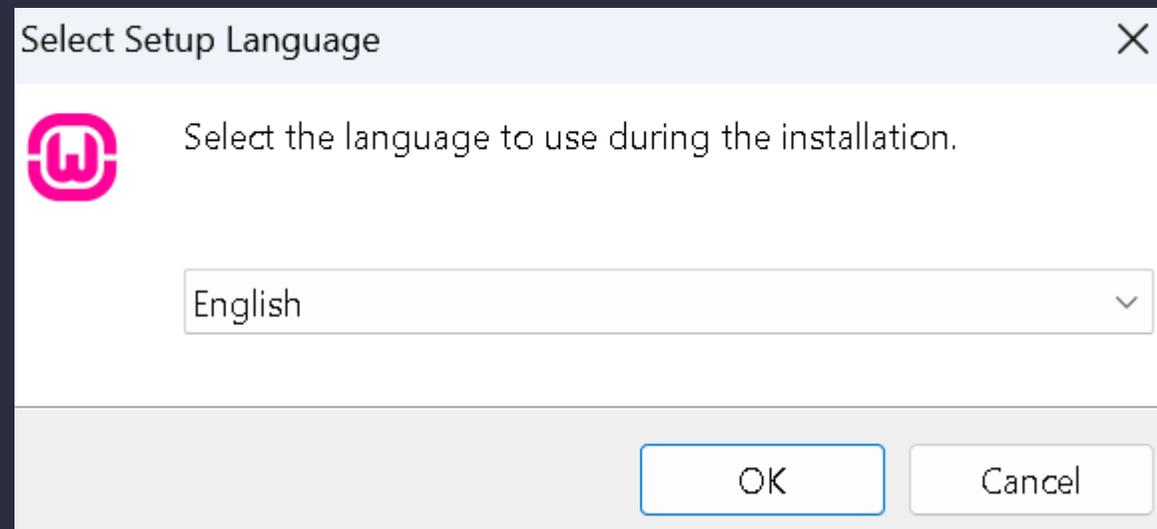
WampServer est disponible gratuitement (sous licence GPL). Vous pouvez remplir ce formulaire qui nous permettra de vous faire parvenir les actualités formation d'Alter Way, société éditrice, ainsi que toutes les informations liées aux évolutions de WampServer. Si vous ne le souhaitez pas, vous pouvez [you can download it directly](#).



Web Design

WampServer

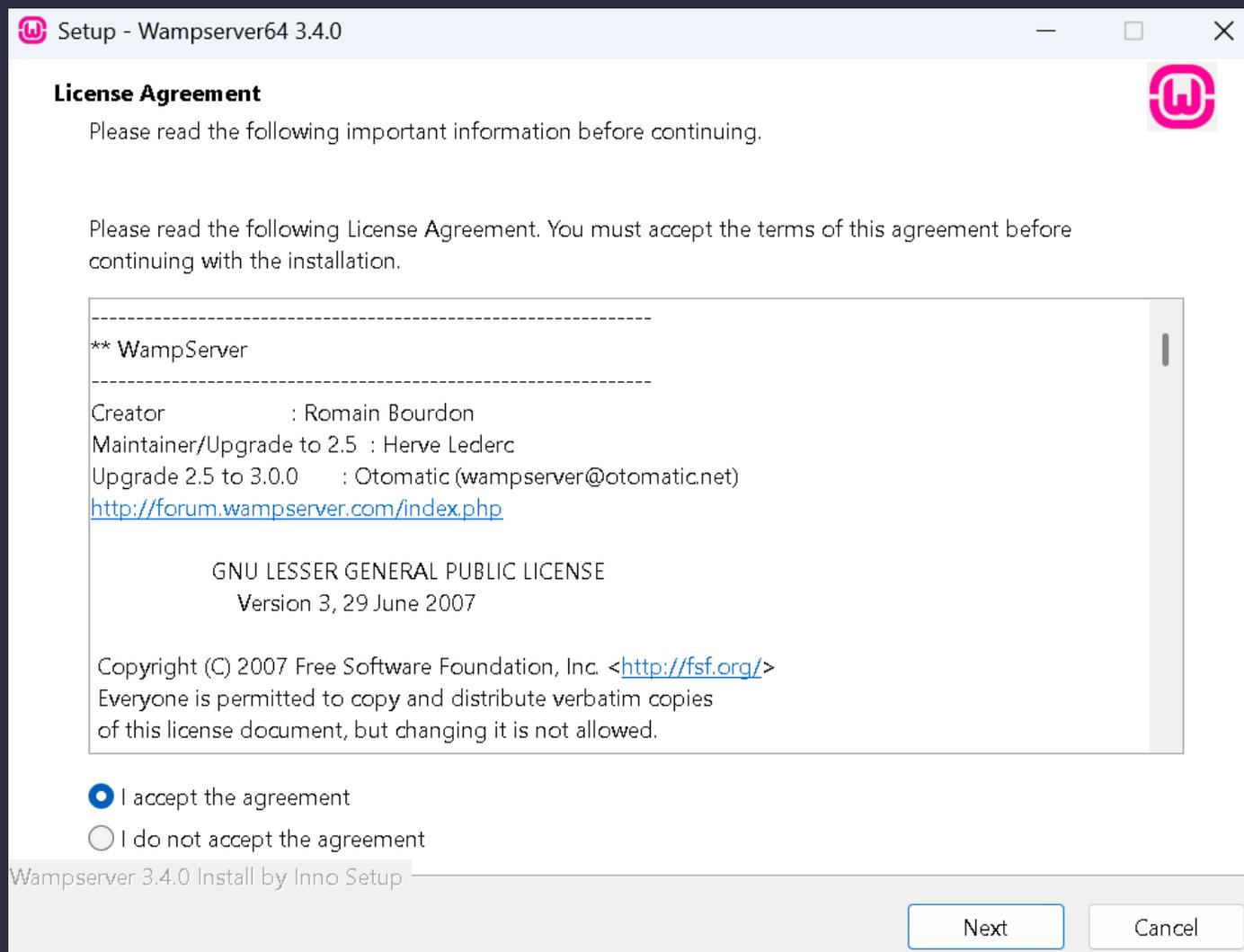
Installation



Web Design

WampServer

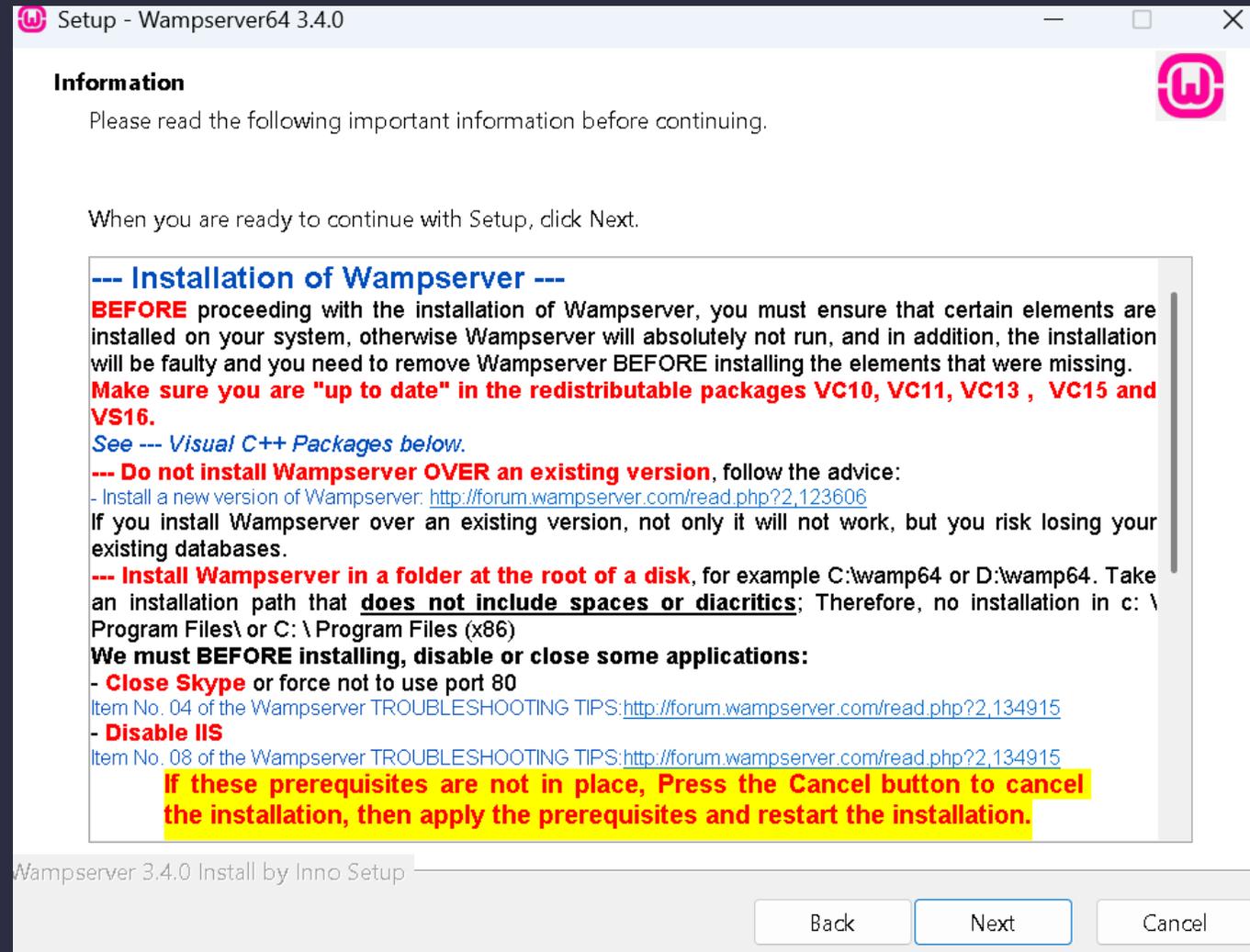
Installation



Web Design

WampServer

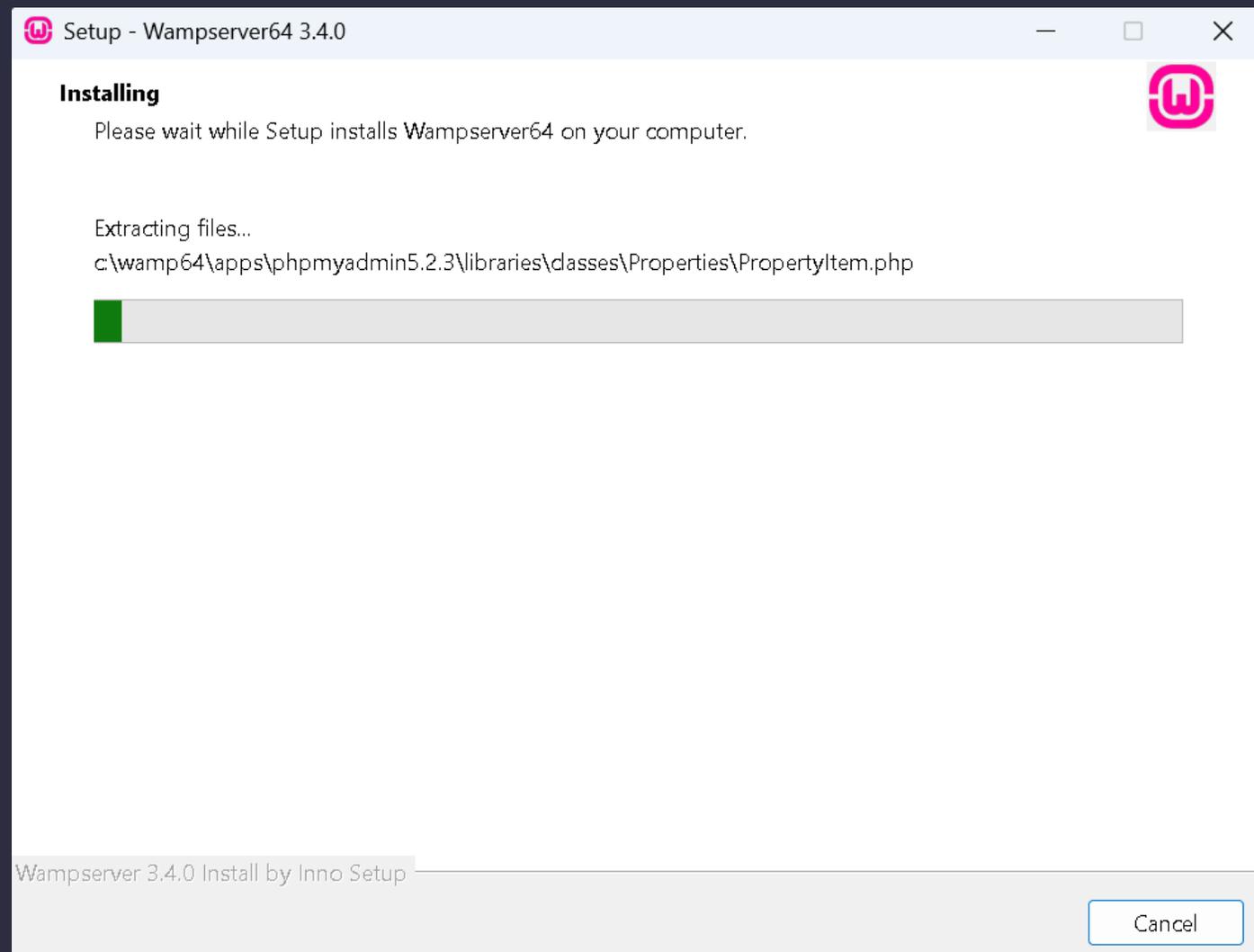
Installation



Web Design

WampServer

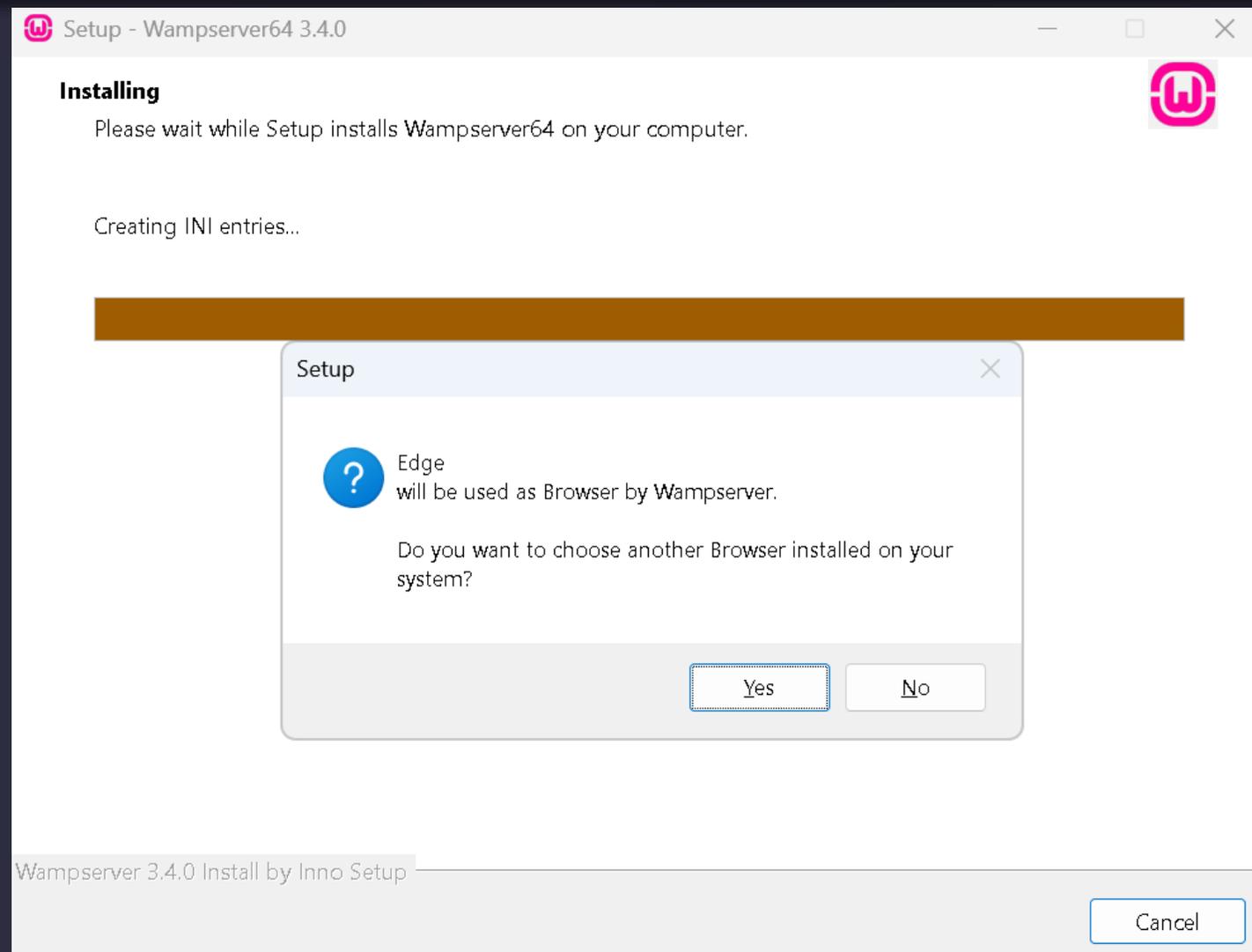
Installation



Web Design

WampServer

Installation



Web Design

WampServer

Installation

Setup - Wampserver64 3.4.0

Information

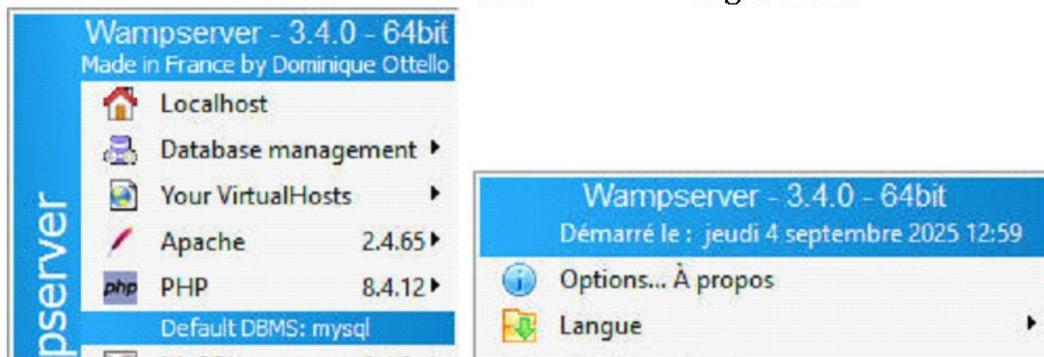
Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

For some explanations on how Wampserver works

- Right-Click -> Help : Instructions for use
- For the use of MariaDB and MySQL
- Right-Click -> Help : Help Mariadb - Mysql
- Wampmanager icon works with
- Left-Click and Right-Click

Left-Click and Right-Click



The screenshot shows two context menus for the Wampserver icon. The left menu, opened by a left-click, lists: Localhost, Database management, Your VirtualHosts, Apache 2.4.65, PHP 8.4.12, and Default DBMS: mysql. The right menu, opened by a right-click, lists: Wampserver - 3.4.0 - 64bit (Démarré le : jeudi 4 septembre 2025 12:59), Options... À propos, and Langue.

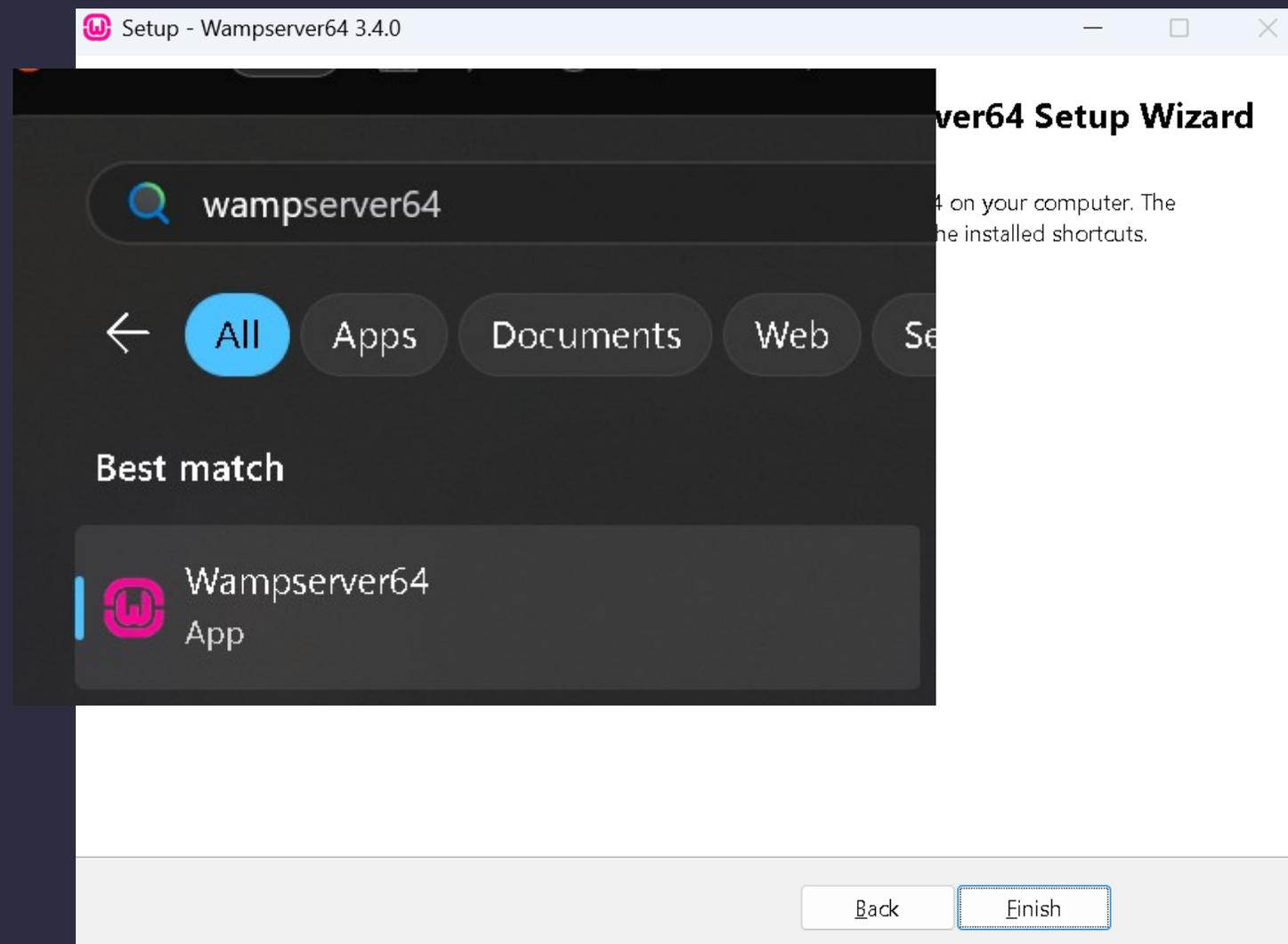
Wampserver 3.4.0 Install by Inno Setup

Next

Web Design

WampServer

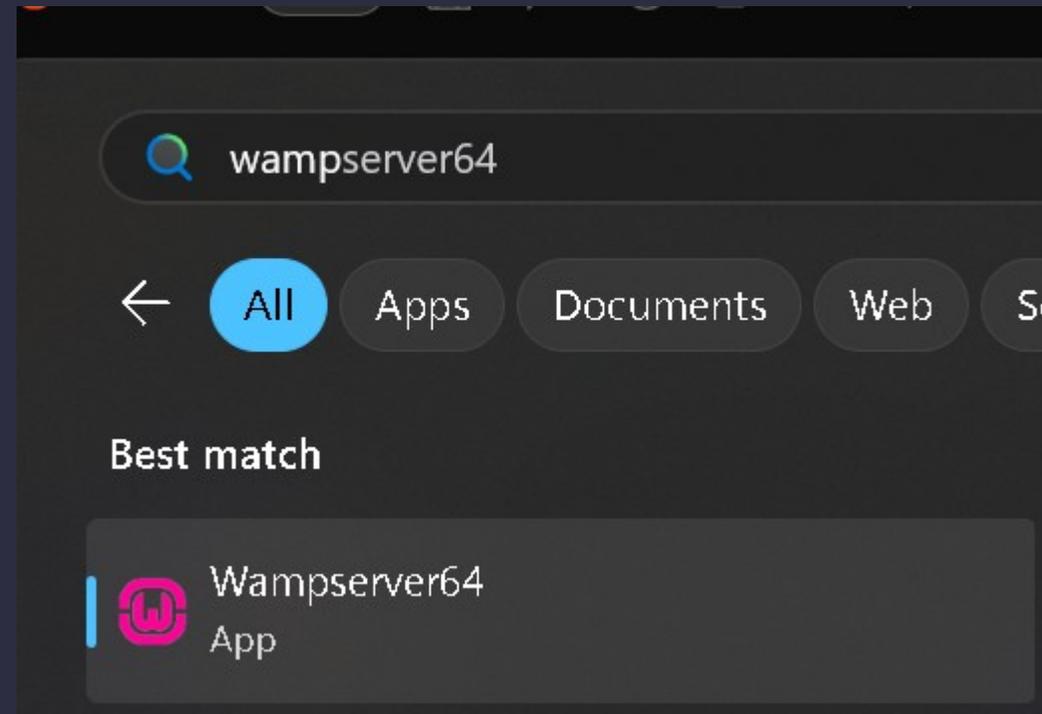
Installation



Web Design

WampServer

Run WAMP Server



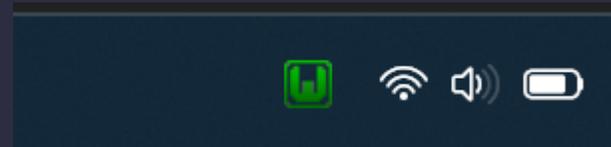
Web Design

WampServer

Run WAMP Server



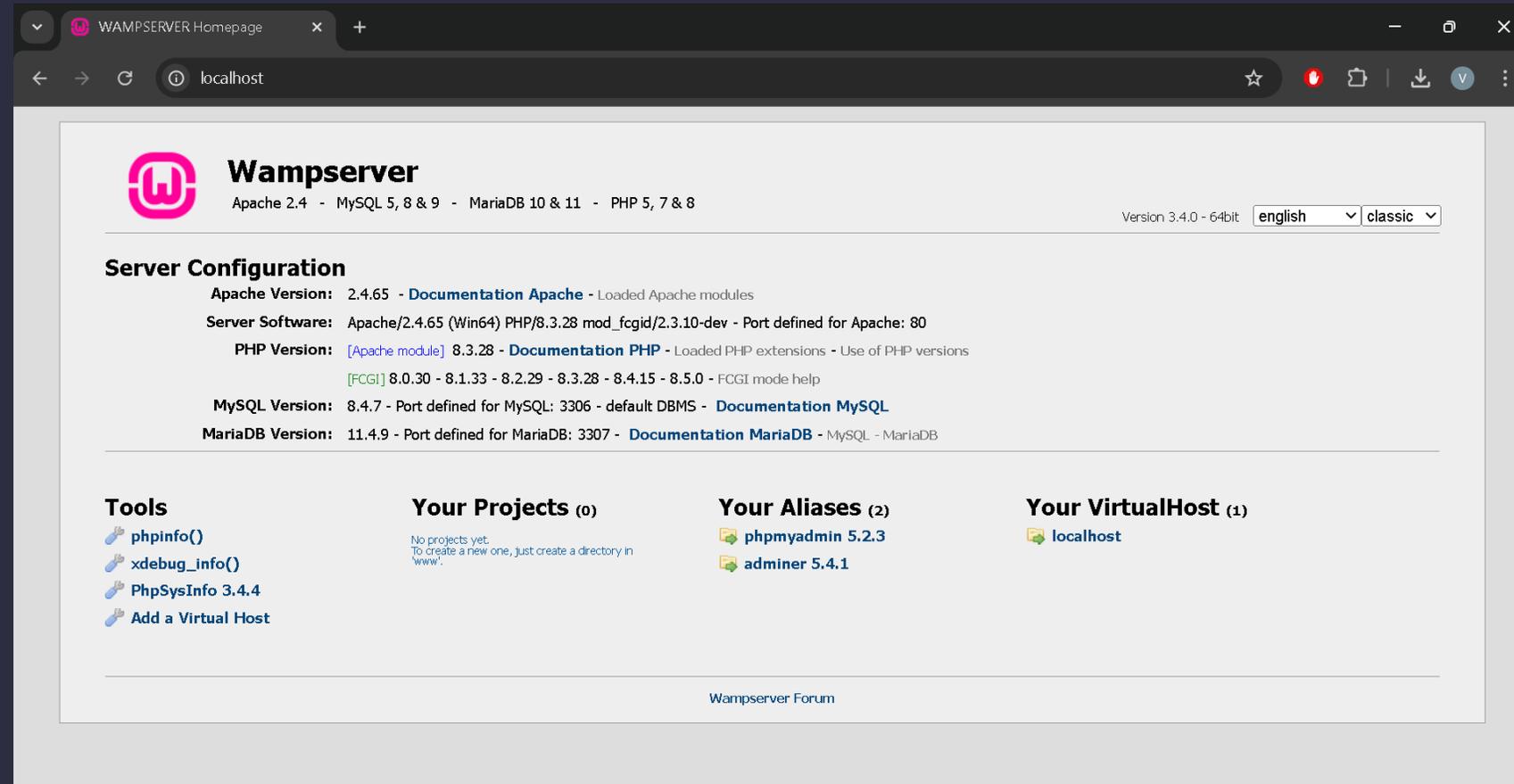
Check Toolbar Icon



Web Design

WampServer

Goto localhost from your browser



The screenshot shows a web browser window with the address bar set to 'localhost'. The page displays the WampServer homepage with the following information:

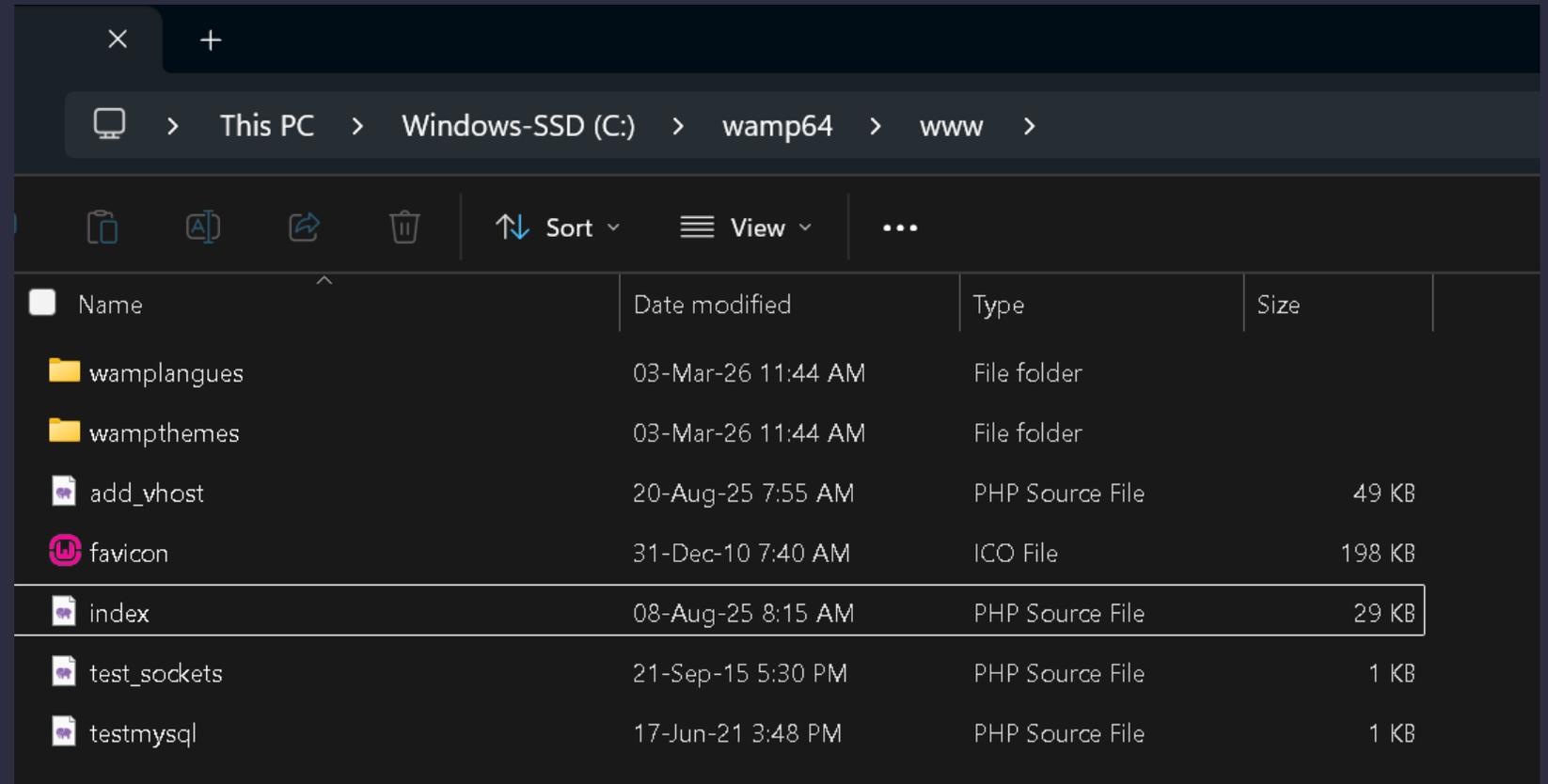
- Wampserver** logo and version: 3.4.0 - 64bit
- Language: english
- Theme: classic
- Server Configuration**
 - Apache Version: 2.4.65 - [Documentation Apache](#) - Loaded Apache modules
 - Server Software: Apache/2.4.65 (Win64) PHP/8.3.28 mod_fcgid/2.3.10-dev - Port defined for Apache: 80
 - PHP Version: [\[Apache module\] 8.3.28 - Documentation PHP](#) - Loaded PHP extensions - Use of PHP versions [\[FCGI\] 8.0.30 - 8.1.33 - 8.2.29 - 8.3.28 - 8.4.15 - 8.5.0 - FCGI mode help](#)
 - MySQL Version: 8.4.7 - Port defined for MySQL: 3306 - default DBMS - [Documentation MySQL](#)
 - MariaDB Version: 11.4.9 - Port defined for MariaDB: 3307 - [Documentation MariaDB](#) - MySQL - MariaDB
- Tools**
 - [phpinfo\(\)](#)
 - [xdebug_info\(\)](#)
 - [PhpSysInfo 3.4.4](#)
 - [Add a Virtual Host](#)
- Your Projects (0)**

No projects yet.
To create a new one, just create a directory in 'www'.
- Your Aliases (2)**
 - [phpmyadmin 5.2.3](#)
 - [adminer 5.4.1](#)
- Your VirtualHost (1)**
 - [localhost](#)
- [Wampserver Forum](#)

Web Design

WampServer

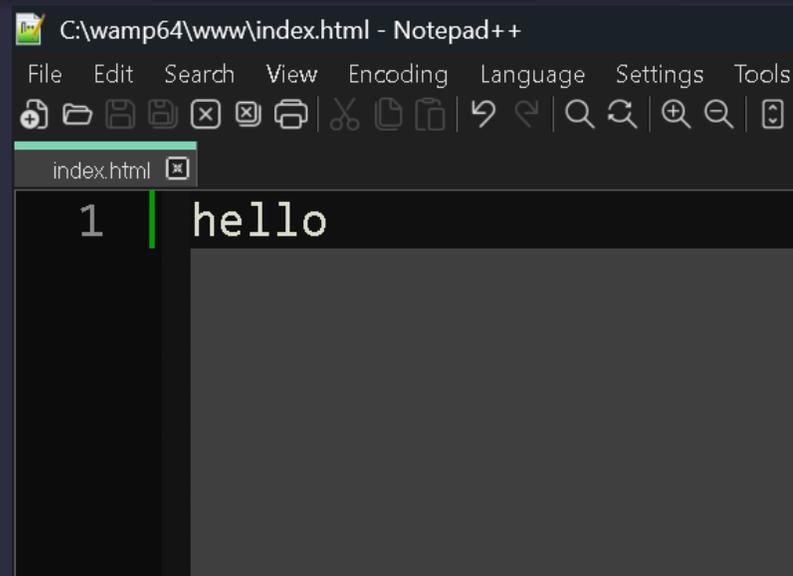
Goto WAMP Install
Directory -> www
folder



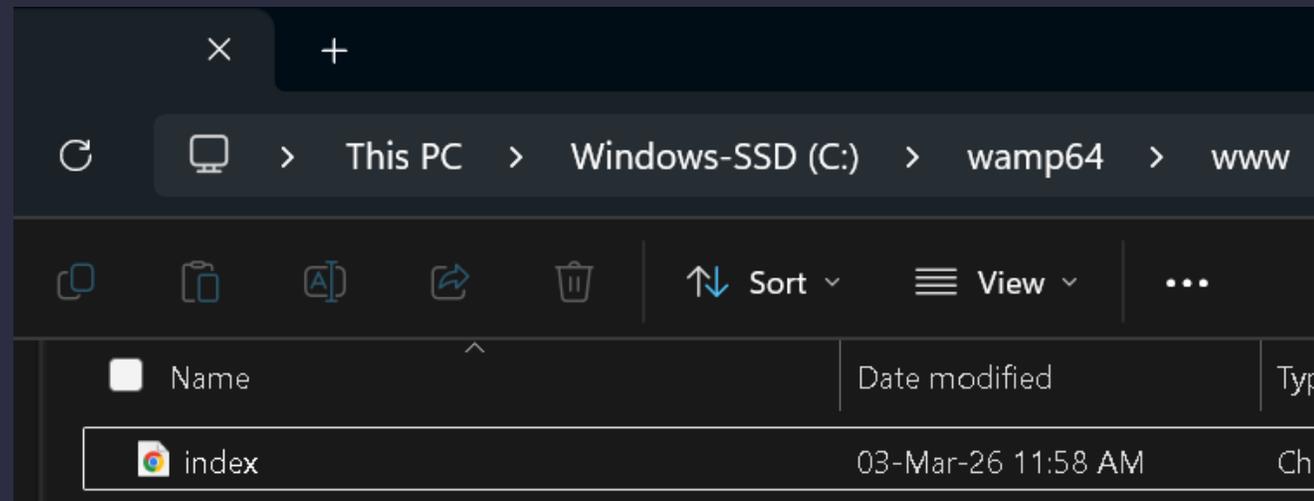
Web Design

WampServer

Remove all files and
put index.html



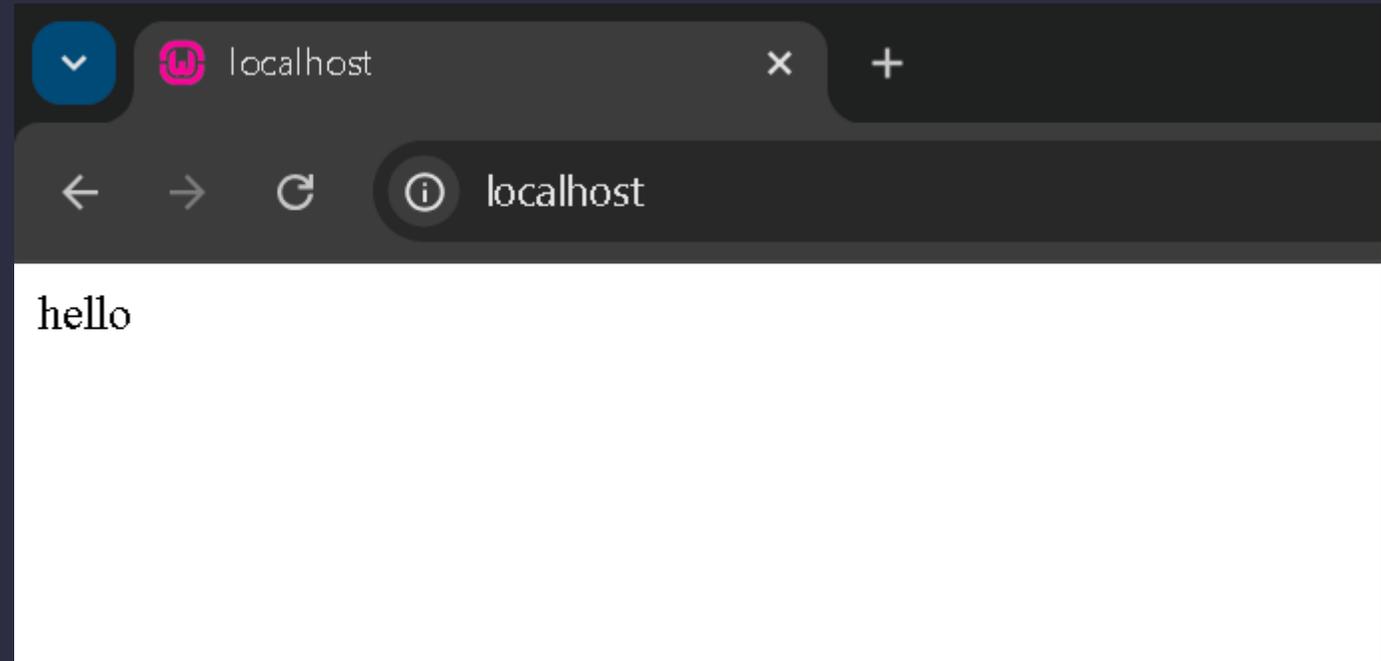
```
C:\wamp64\www\index.html - Notepad++
File Edit Search View Encoding Language Settings Tools
index.html
1 | hello
```



Web Design

WampServer

Refresh localhost
page



Web Design

AI Tools to Generate Web Sites

- ChatGPT
- Google Gemini
- Claude.ai
- Readdy

Use any of the and generate a single page web site

Web Design

AI Tools to Generate Web Sites

Sample prompt

Create a modern, responsive single-page bakery shop website using only HTML5 and CSS3. The design should be warm and cozy with pastel colors. Include the following sections:

Hero section with background image and call-to-action button

About Us section

Product showcase (at least 6 bakery items with images, name and price)

Customer testimonials

Contact section with a styled form

Footer with social media icons

Use semantic HTML tags, Flexbox or Grid for layout, smooth hover effects, and clean, well-commented code.

Web Design

AI Tools to Generate Web Sites

Sample prompt

ChatGPT 5.2 Thinking Model

Copy given code to index.html

ChatGPT 5.2 Thinking ⌵ 🔒 Bellek Kapalı

Product showcase (at least 6 bakery items with images, name and price)
Customer testimonials
Contact section with a styled form
Footer with social media icons
Use semantic HTML tags, Flexbox or Grid for layout, smooth hover effects, and clean, well-commented code

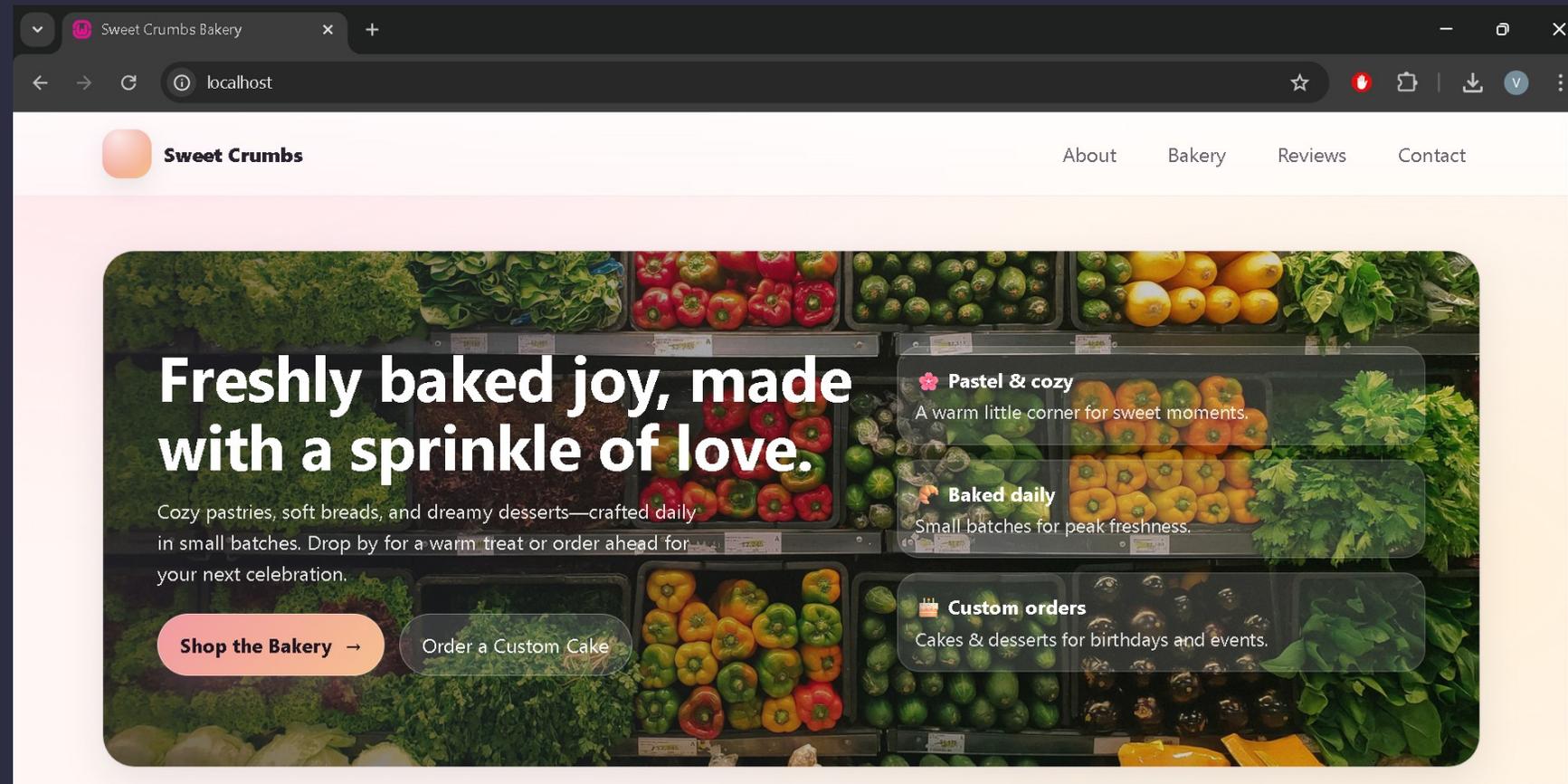
HTML 📄 ✎ ⌵ ▶

```
<!DOCTYPE html>
<html lang="en">
<head>
  <!--
    Single-page Bakery Website (HTML5 + CSS3 only)
    - Warm, cozy pastel palette
```

Web Design

WampServer

Refresh localhost
page



Web Design

AI Tools to Generate Web Sites

Sample prompt

- Create a fully responsive one-page personal portfolio using HTML5 and CSS3 only (no JavaScript). Use CSS Grid/Flexbox with a modern minimalist style. Include: sticky navbar, hero (name/title + CTA), about, skills, projects (card grid), experience, testimonials, contact form, and footer. Add smooth hover effects, transitions, and clean commented code

Web Design

AI Tools to Generate Web Sites

Sample prompt

ChatGPT 5.2 Thinking Model

Copy given code to index.html

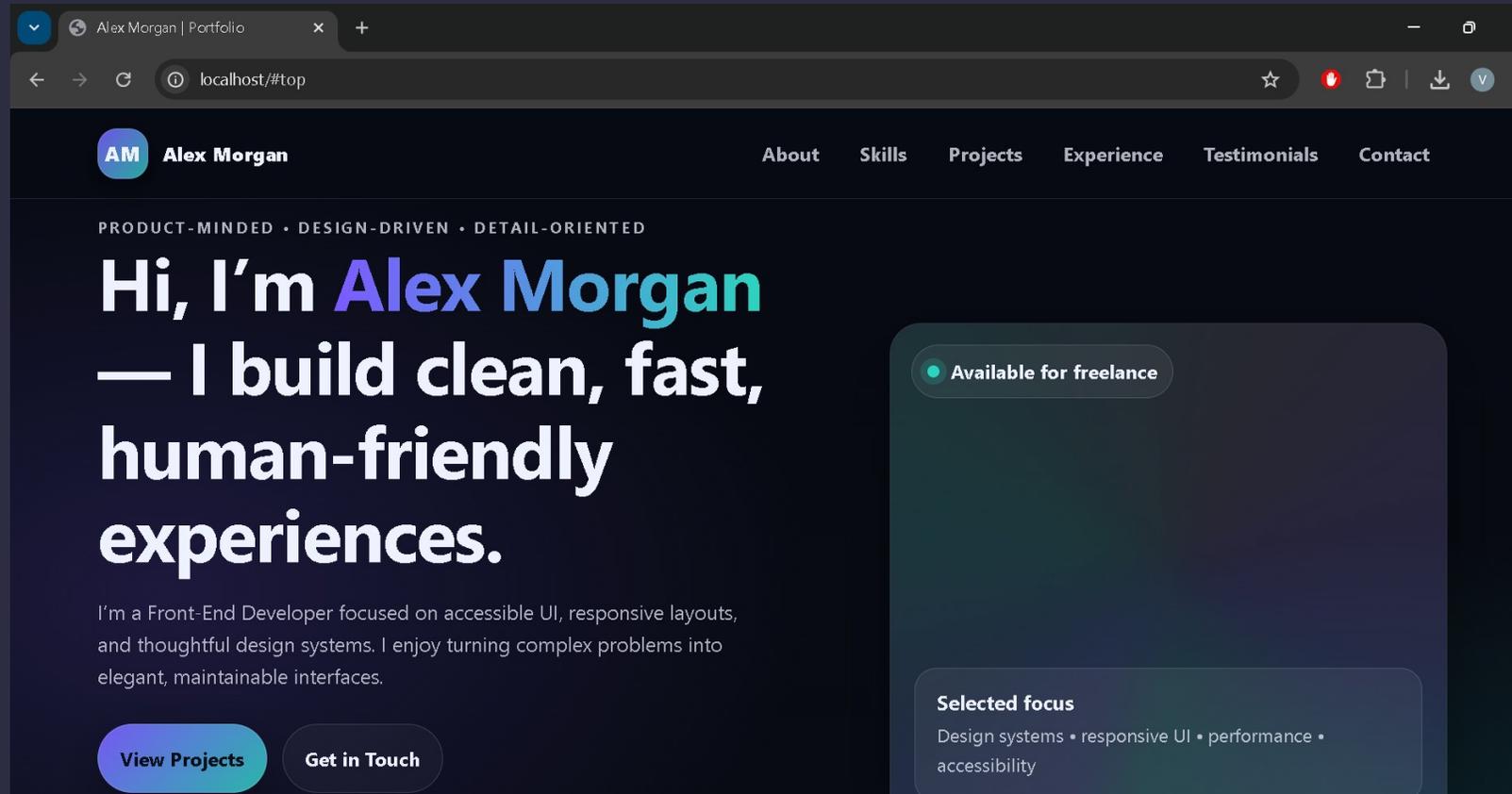
```
Grid/Flexbox with a modern minimalist style. Include:
sticky navbar, hero (name/title + CTA), about, skills,
projects (card grid), experience, testimonials, contact form,
and footer. Add smooth hover effects, transitions, and
clean commented code
```

```
HTML
One-Page Personal Portfolio (HTML5 + CSS3 only)
- No JavaScript
- Responsive layout using CSS Grid + Flexbox
- Modern minimalist style
- Sections: Sticky Nav, Hero, About, Skills, Projects, Experience, Testimon:
-->
```

Web Design

WampServer

Refresh localhost
page



Web Design

How to publish a website online?

- Rent VPS (Virtual Private Server)
 - Install similar web server tools
 - Connect with static WAN IP
 - More advanced solution
- Buy hosting services
 - Easy solution
 - Some Turkish Service Provides
 - Isimtescil.net
 - Doruk.net.tr
 - Natro
 - ...

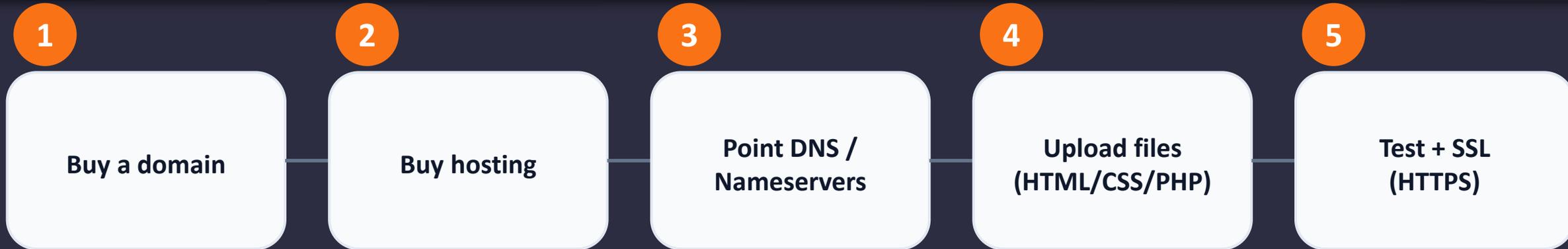


Web Design

How to publish a website online?

End-to-end flow

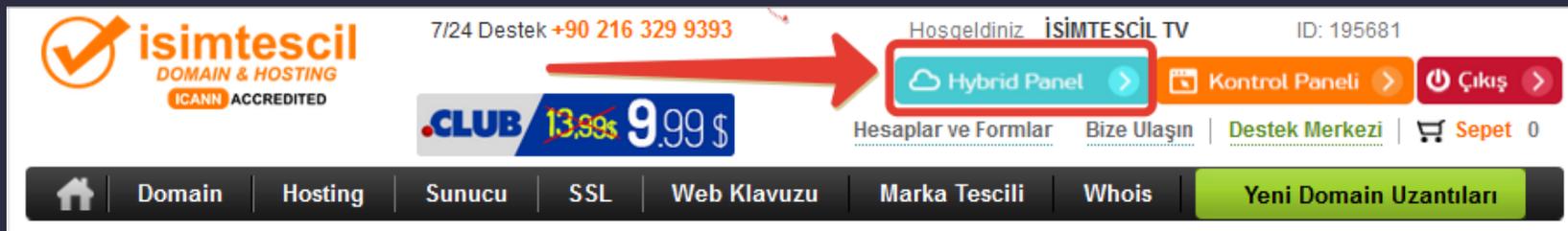
Same logic for both Isimtescil.net and GoDaddy



Key idea: Your domain must point to your hosting server before your uploaded files become visible.

- DNS changes can take up to 48 hours worldwide (often much faster).
- Your website root folder is usually public_html on Linux/cPanel hosting.
- For many files, upload a ZIP and extract it on the server.

Isimtescil Step 1 — Open Hybrid Panel

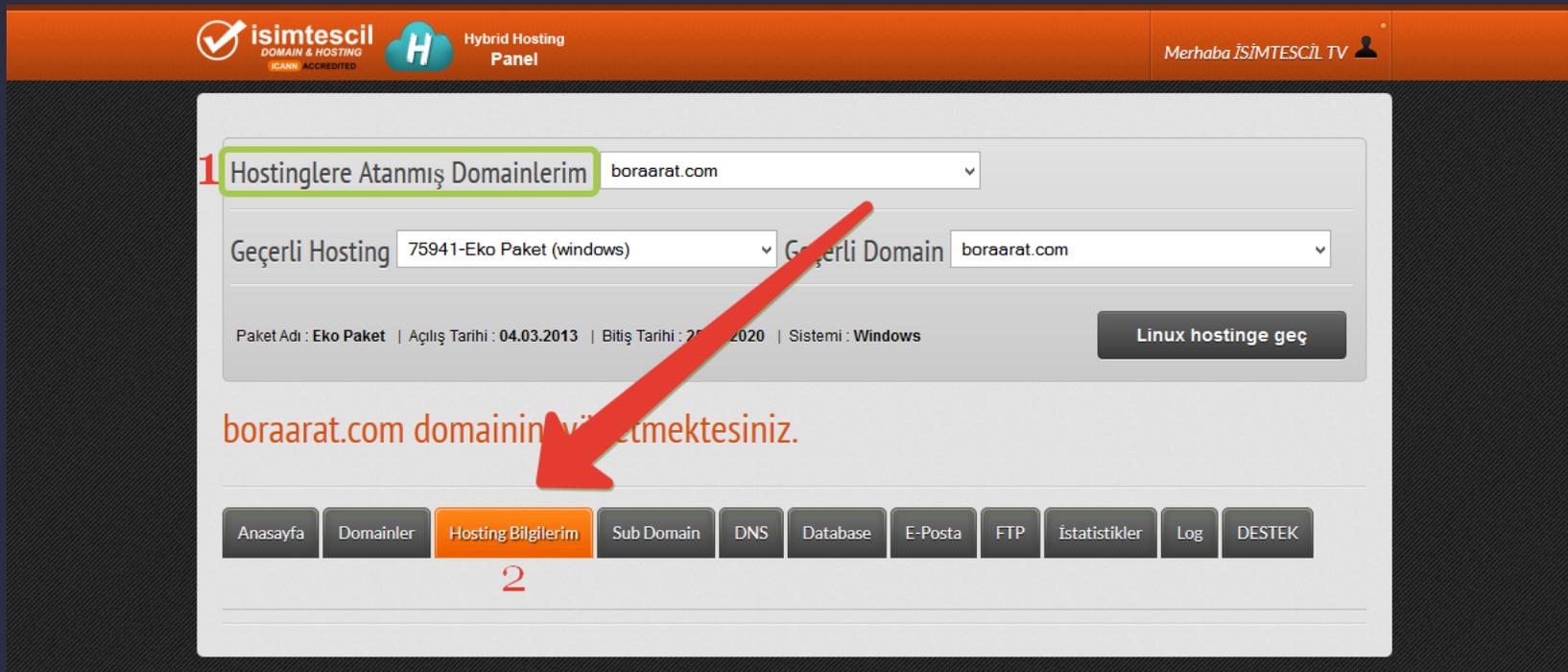


The screenshot shows the top navigation bar of the Isimtescil website. On the left, there is the Isimtescil logo with 'DOMAIN & HOSTING' and 'ICANN ACCREDITED' below it. To the right of the logo, there is a support phone number: '7/24 Destek +90 216 329 9393'. Further right, it says 'Hoşgeldiniz İSİMTESCİL TV' and 'ID: 195681'. Below this, there are three buttons: 'Hybrid Panel' (highlighted with a red box and a red arrow), 'Kontrol Paneli', and 'Çıkış'. Below these buttons, there are links for 'Hesaplar ve Formlar', 'Bize Ulaşın', 'Destek Merkezi', and 'Sepet 0'. At the bottom of the header, there is a navigation menu with buttons for 'Domain', 'Hosting', 'Sunucu', 'SSL', 'Web Klavuzu', 'Marka Tescili', 'Whois', and 'Yeni Domain Uzantıları'.

Do this

- Log in to your Isimtescil account.
- From the top menu, click Hybrid Panel.
- This is where you manage hosting, DNS, FTP and panel credentials.

İsimtescil Step 2 — Go to “Hosting Bilgilerim” (Hosting Details)



Do this

- In Hybrid Hosting Panel, select the domain/hosting you want to manage.
- Click Hosting Bilgilerim to see your hosting credentials and services.

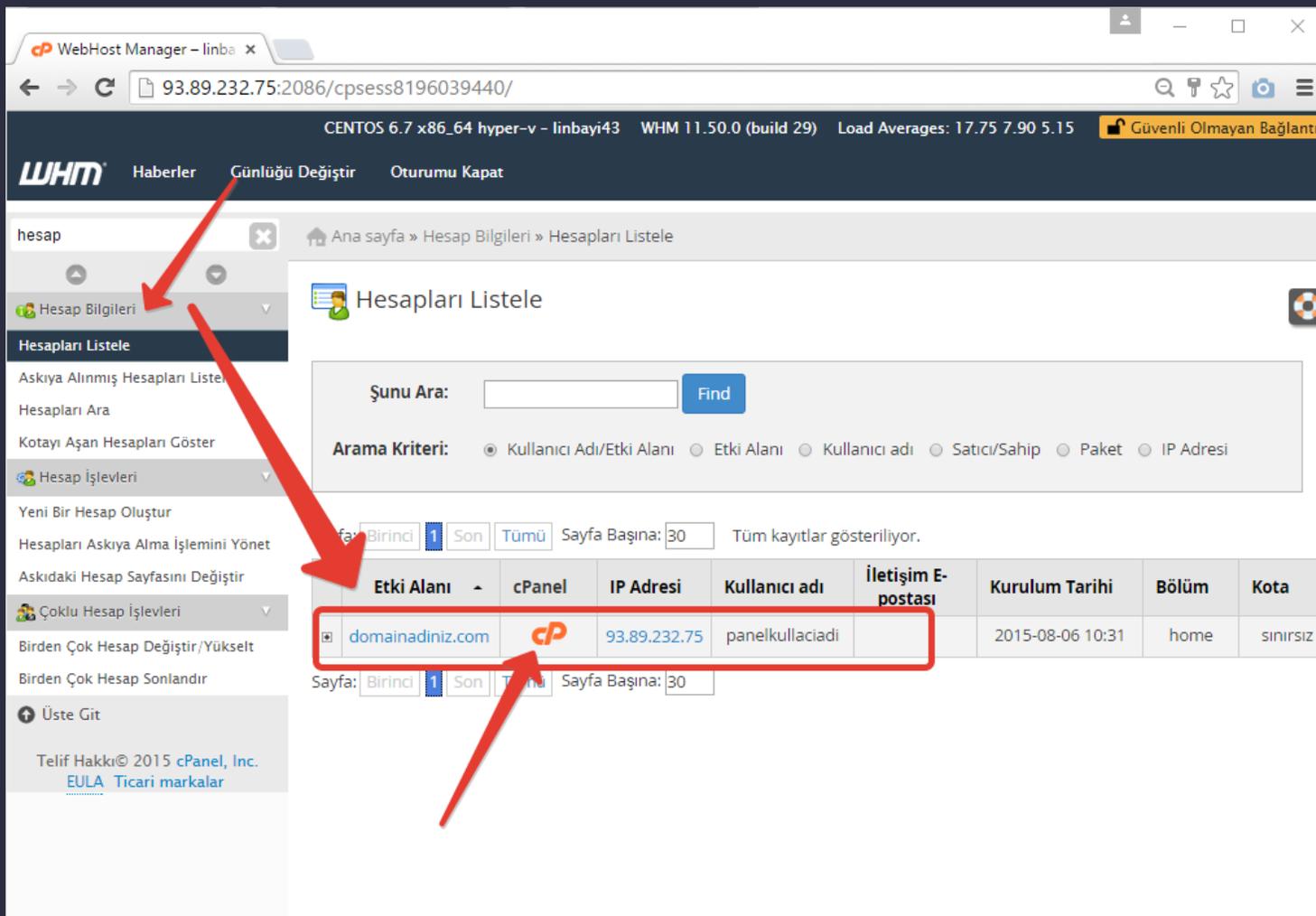
Isimtescil Step 3 — Find your panel address + username/password

Panel Adresiniz	http://93.89.225.185:8880
Panel Kullanıcı Adınız	<input type="text" value="ek75941"/>
Panel Şifreniz	<input type="text" value="Hh9dBaxz"/>
Yeni Şifreniz	<input type="text"/>
	<input type="button" value="Şifremi güncelle"/> <input type="button" value="Şifre öner"/>

What to capture

- Copy the Panel Address (control panel URL).
- Copy the Panel Username and Password.
- You will use these to log in to cPanel (Linux) or Plesk (Windows), depending on your plan.

Isimtescil Step 4 — Access your cPanel account



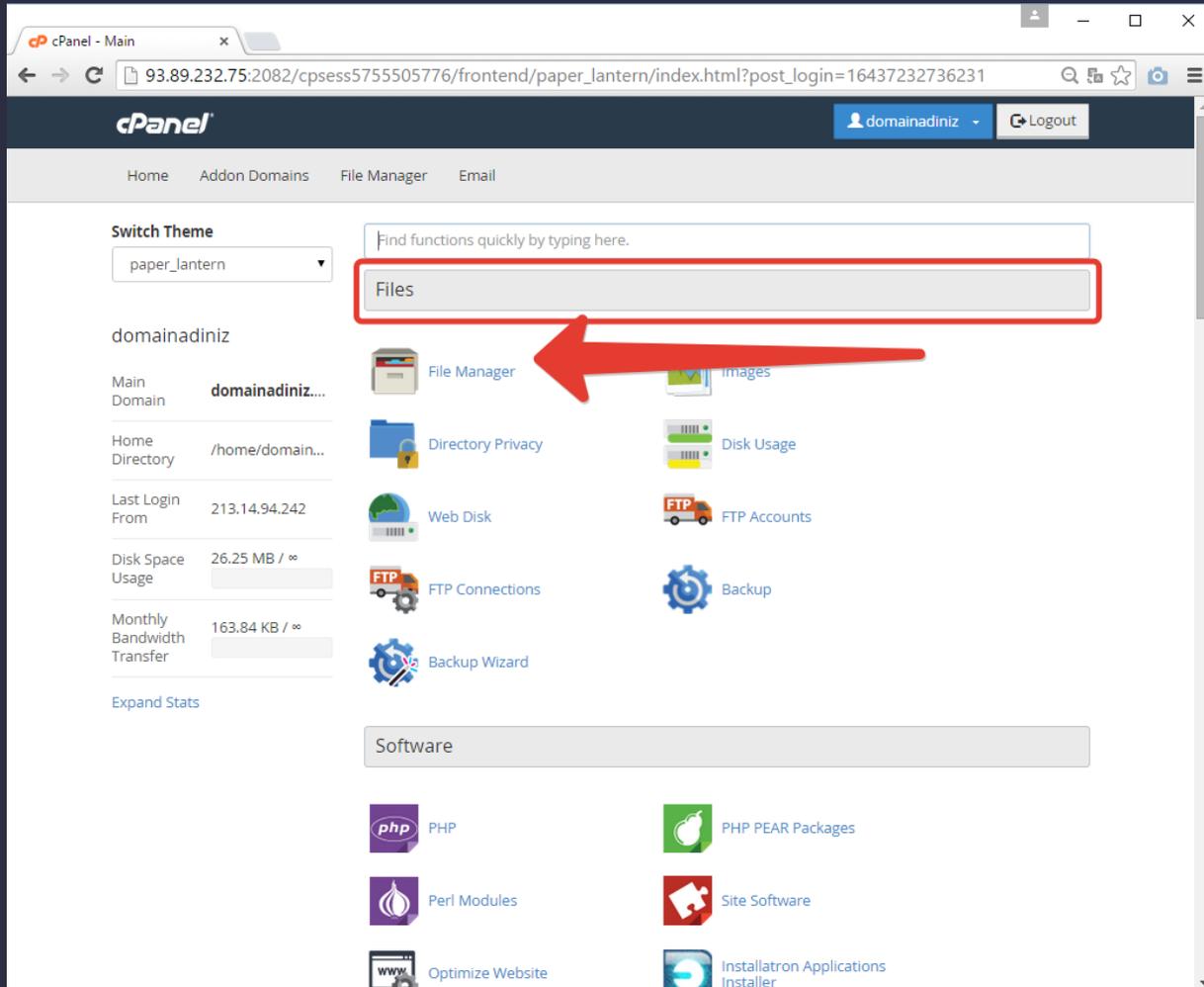
The screenshot shows the WHM interface. The left sidebar has a menu with 'Hesapları Listele' selected. The main content area shows a table of accounts. A red box highlights the row for 'domainadiniz.com', which has a cPanel icon and the IP address '93.89.232.75'. Red arrows point from the 'Hesapları Listele' menu item to the table, and from the cPanel icon to the IP address.

Etki Alanı	cPanel	IP Adresi	Kullanıcı adı	İletişim E-postası	Kurulum Tarihi	Bölüm	Kota
domainadiniz.com		93.89.232.75	panelkullaciadi		2015-08-06 10:31	home	sınırsız

Do this

- In the hosting panel/WHM screen, locate your domain.
- Click the cPanel icon or link for your domain.
- This opens the cPanel dashboard where you upload website files.

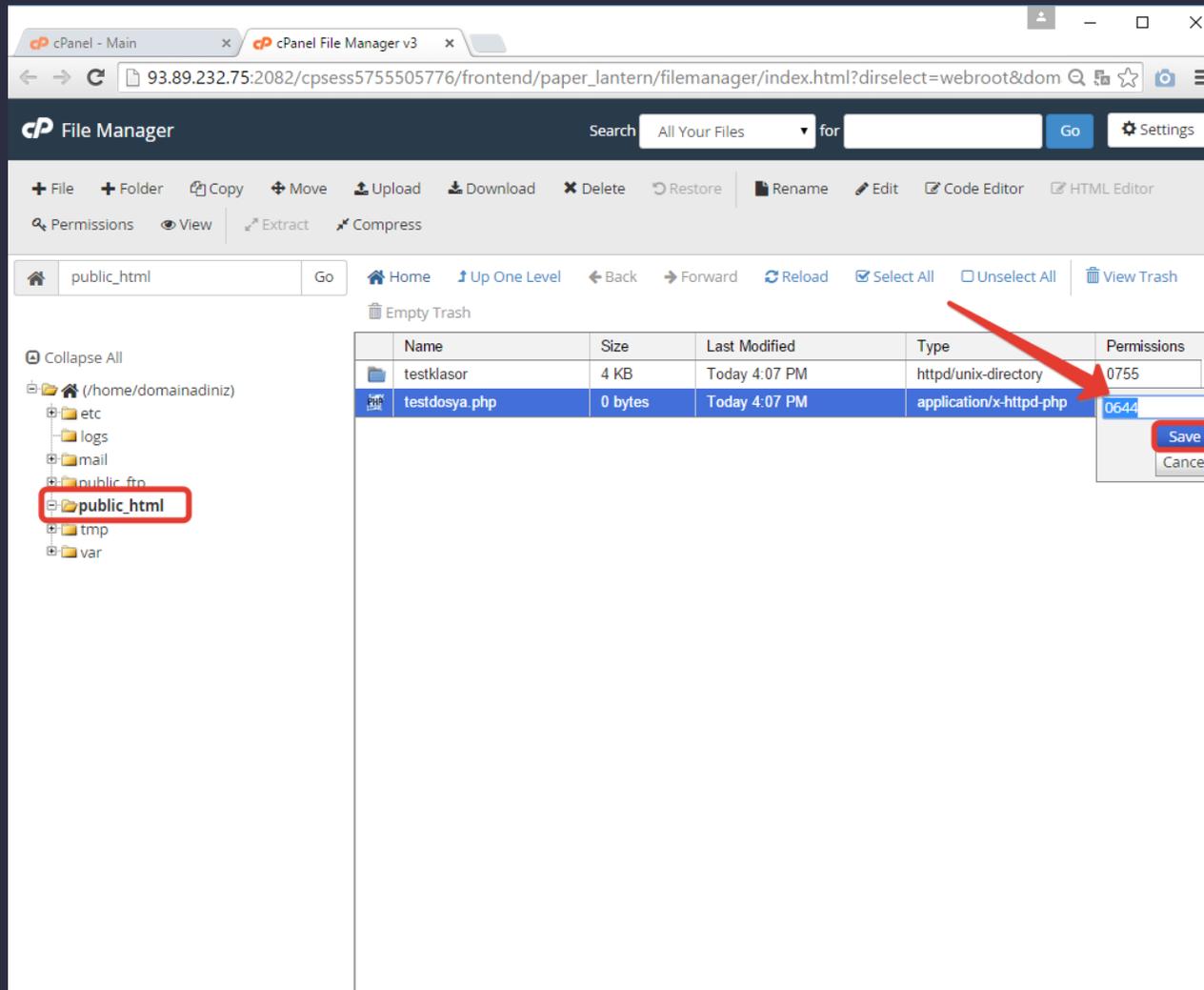
Isimtescil Step 5 — cPanel Home → File Manager



Do this

- In cPanel, open the Files section.
- Click File Manager.
- This is the simplest way to upload a few files (HTML/CSS/PHP).

Isimtescil Step 6 — Upload to public_html (your website root)



The screenshot shows the cPanel File Manager interface. The current directory is `public_html`. A file named `testdosya.php` is selected. The permissions for this file are being changed from `0755` to `0644`. A red arrow points to the permissions field, and a red box highlights the `Save` button.

Name	Size	Last Modified	Type	Permissions
testklasor	4 KB	Today 4:07 PM	httpd/unix-directory	0755
testdosya.php	0 bytes	Today 4:07 PM	application/x-httpd-php	0644

Important

- Open `public_html/` (this is your site root).
- Use Upload to send files from your computer.
- Make sure your homepage is named `index.html` or `index.php`.

Isimtescil Step 7 — Get FTP credentials (optional upload method)

FTP Sunucusu	ftp://ftp.boraarat.com		
FTP Kullanıcı Adı	<input type="text" value="pborW66a2"/>		
FTP Şifresi	<input type="text" value="bor96Ffg"/>	<input type="button" value="Test Et"/>	
Yeni Şifreniz	<input type="text"/>	<input type="button" value="Şifremi güncelle"/>	<input type="button" value="Şifre öner"/>

FTP

- FTP is useful for uploading many files.
- Use the FTP Server, FTP Username and FTP Password in FileZilla.
- Remote folder is usually /public_html/.

Isimtescil Step 8 — Hybrid Panel → DNS

Anasayfa Domainler Hosting Bilgilerim Sub Domain **DNS** Database E-Posta FTP İstatistikler Log DESTEK

DNS Listesi
DNS Kayıtlarınıza bu bölümden ulaşabilir, güncelleyebilirsiniz.

DNS Yedeklerim
Yedeklediğiniz DNS kayıtları bu bölümde yer almaktadır.

Gelişmiş DNS Yönetiminizi bu bölümden gerçekleştirebilirsiniz. DNS Yedeklerim bölümü, yedeklediğiniz 10 kayıtlı daha sonra kullanılmak üzere sizin için saklayacaktır. ✕

Varsayılan Ayarlar **Yapılandırmayı Sil** Yapılandırmayı Yedekle

HOST (A) KAYITLARI

Adres kayıtları olarak da bilinen bu kayıtlar sayesinde, dns değişikliği yapmadan, web sitenizi ya da subdomain vb kayıtları (pop3,smtp,webmail,mx) farklı bir ip ye yönlendirebilirsiniz.

Kayıt Adı	Kayıt Bilgisi	İşlemler
<input type="text"/> .domainadiniz.com	<input type="text"/>	Ekle

DNS

- Use DNS management when you need to point your domain to your hosting.
- Typical records: A record (root) and CNAME for www.
- Changes can take time to propagate (up to 48 hours).

Isimtescil Step 9 — View/edit existing DNS records

HOST (A) KAYITLARI

Adres kayıtları olarak da bilinen bu kayıtlar sayesinde, dns değişikliği yapmadan, web sitenizi ya da subdomain vb kayıtları (pop3,smtp,webmail,mx) farklı bir ip ye yönlendirebilirsiniz.

Kayıt Adı	Kayıt Bilgisi	İşlemler
domainadiniz.com	93.89.224.200	 Güncelle  Sil
*.domainadiniz.com	93.89.224.200	 Güncelle  Sil
ftp.domainadiniz.com	93.89.225.200	 Güncelle  Sil
mail.domainadiniz.com	93.89.226.88	 Güncelle  Sil
mobil.domainadiniz.com	93.89.226.89	 Güncelle  Sil

DNS tips

- Check if @ (root) points to your hosting IP.
- Check if www points to @ (root) or to the correct host.
- Avoid deleting mail records (MX) if you use email on the domain.

Isimtescil Step 10 — Domain panel → Detailed Management

Domainlerim Tüm Domainlerim [329] Aktif Domainlerim [310] 30 Günden Az Süreli [11] 7 Günden Az Süreli [4] Süresi Bitmiş [19] Çöp Kutusu [24]

Domain Gruplarım domain gruplarınıza bu bölümden ulaşabilirsiniz. **İşlem Bekleyenler** işlem bekleyen domainlerinize bu bölümden ulaşabilirsiniz. **TR Doküman Yönetimi** TR doküman yönetimine bu bölümden ulaşabilirsiniz.

Transfer İşlemlerinizi
İsim Tescil'e Transfer Başlat
Devam Eden Transfer İşlemlerim
Dışarıya Transfer

İletişim Bilgilerim domainlerinizin iletişim bilgilerini bu bölümden düzenleyebilirsiniz...

Domainlerimi dışarı aktar: Aktif W X X

Arama Kriterlerine Uygun Domainler Listele :10 25 50 100 www. ARA

Sayfa: **1**

ID DOMAIN Grup Seç.. Bitiş Tarihi M

<input type="checkbox"/>	1265841 isimtescildomain.com	ISIMTESCIL	10.07.2016	Detaylı Yönetim Süre Uzat
--------------------------	------------------------------	------------	------------	---

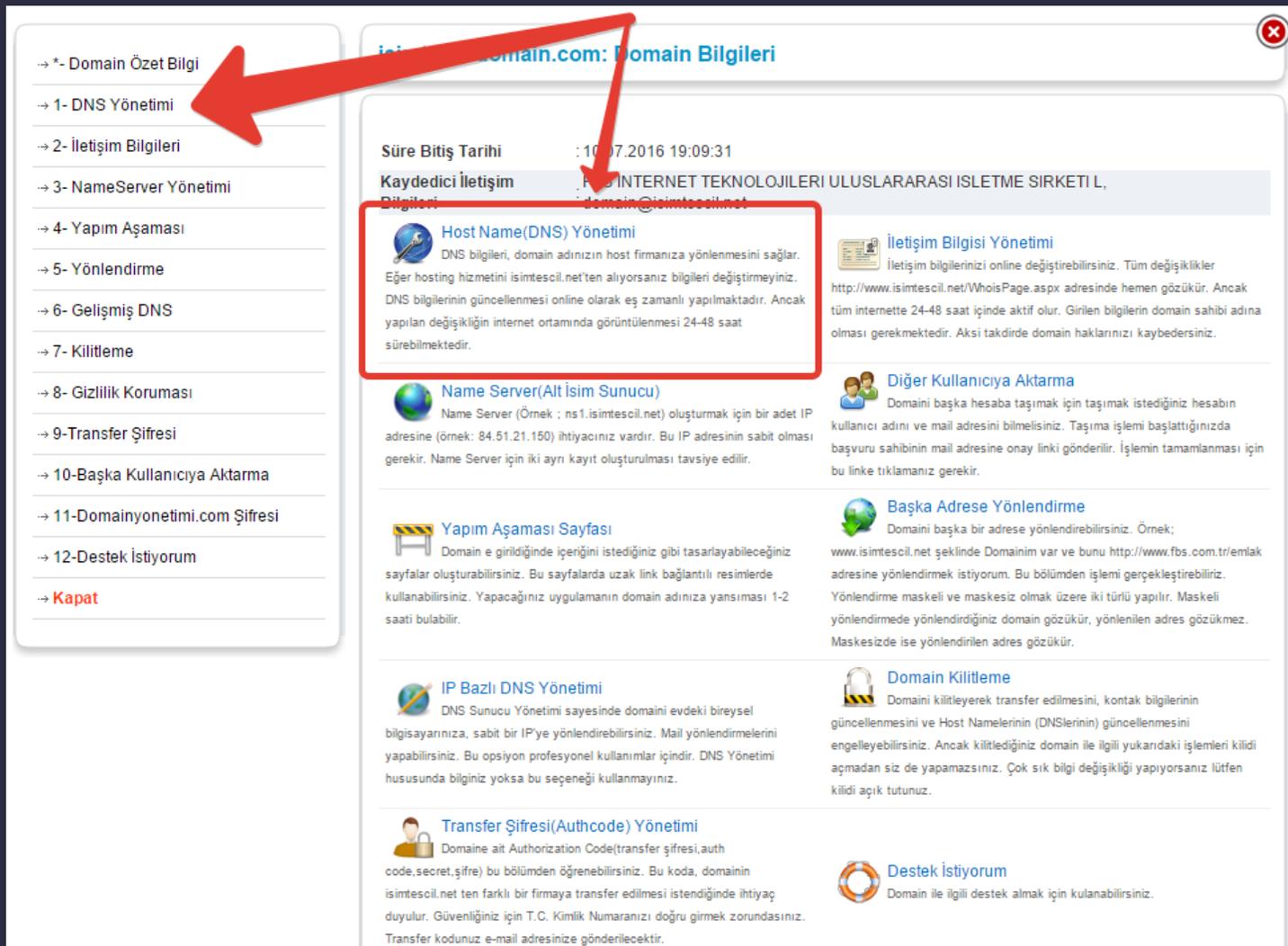
Sayfa: **1**

[+ GRUBA EKLE](#) [+ SÜRE UZAT](#) [+ DNS GÜNCELLE](#)

Do this

- Go to Domains list.
- Click Detailed Management for the domain you want to change.
- This opens the domain settings menu (DNS, nameservers, contact info...).

Isimtescil Step 11 — Host Name (DNS) Management



→ *- Domain Özet Bilgi

→ 1- DNS Yönetimi

→ 2- İletişim Bilgileri

→ 3- NameServer Yönetimi

→ 4- Yapım Aşaması

→ 5- Yönlendirme

→ 6- Gelişmiş DNS

→ 7- Kilitleme

→ 8- Gizlilik Koruması

→ 9-Transfer Şifresi

→ 10-Başka Kullanıcıya Aktarma

→ 11-Domainyonetimi.com Şifresi

→ 12-Destek İstiyorum

→ **Kapat**

Host Name (DNS) Yönetimi

DNS bilgileri, domain adınızın host firmaya yönlendiğini sağlar. Eğer hosting hizmetini isimtescil.net'ten alıyorsanız bilgileri değiştirmeyiniz. DNS bilgilerinin güncellenmesi online olarak eş zamanlı yapılmaktadır. Ancak yapılan değişikliğin internet ortamında görüntülenmesi 24-48 saat sürebilmektedir.

İletişim Bilgisi Yönetimi

İletişim bilgilerinizi online değiştirebilirsiniz. Tüm değişiklikler <http://www.isimtescil.net/WhoisPage.aspx> adresinde hemen gözüktür. Ancak tüm internette 24-48 saat içinde aktif olur. Girilen bilgilerin domain sahibi adına olması gerekmektedir. Aksi takdirde domain haklarınızı kaybedersiniz.

Diğer Kullanıcıya Aktarma

Domaini başka hesaba taşımak için taşımak istediğiniz hesabın kullanıcı adını ve mail adresini bilmeniz gerekir. Taşıma işlemi başlattığınızda başvuru sahibinin mail adresine onay linki gönderilir. İşlemin tamamlanması için bu linke tıklamanız gerekir.

Başka Adrese Yönlendirme

Domaini başka bir adrese yönlendirebilirsiniz. Örnek; www.isimtescil.net şeklinde Domainim var ve bunu <http://www.fbs.com.tr/emark> adresine yönlendirmek istiyorum. Bu bölümden işlemi gerçekleştirebilirsiniz. Yönlendirme maskeli ve maskesiz olmak üzere iki türlü yapılır. Maskeli yönlendirmede yönlendirdiğiniz domain gözüktür, yönlendirilen adres gözükmaz. Maskesizde ise yönlendirilen adres gözüktür.

Domain Kilitleme

Domaini kilitleyerek transfer edilmesini, kontak bilgilerinin güncellenmesini ve Host Namelerinin (DNSlerinin) güncellenmesini engelleyebilirsiniz. Ancak kilitlediğiniz domain ile ilgili yukarıdaki işlemleri kilitli olmadan siz de yapamazsınız. Çok sık bilgi değişikliği yapıyorsanız lütfen kilitli açık tutunuz.

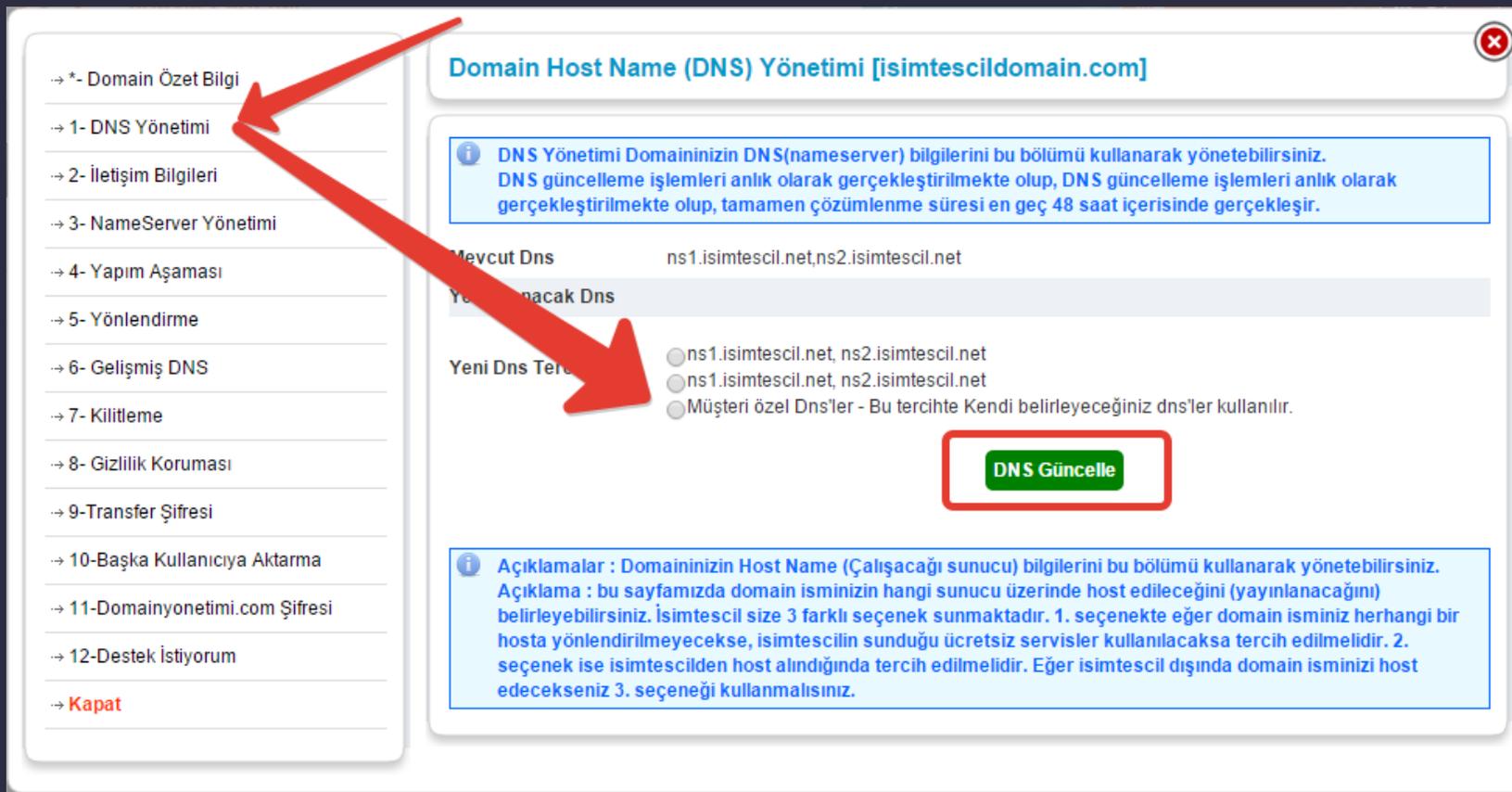
Destek İstiyorum

Domain ile ilgili destek almak için kullanabilirsiniz.

Do this

- Choose Host Name (DNS) Management.
- This is where you point your domain to the correct DNS/nameserver setup.

Isimtescil Step 12 — Select the nameserver option



→ *- Domain Özet Bilgi

→ 1- DNS Yönetimi

→ 2- İletişim Bilgileri

→ 3- NameServer Yönetimi

→ 4- Yapım Aşaması

→ 5- Yönlendirme

→ 6- Gelişmiş DNS

→ 7- Kilitleme

→ 8- Gizlilik Koruması

→ 9-Transfer Şifresi

→ 10-Başka Kullanıcıya Aktarma

→ 11-Domainyonetimi.com Şifresi

→ 12-Destek İstiyorum

→ **Kapat**

Domain Host Name (DNS) Yönetimi [isimtescildomain.com]

DNS Yönetimi Domaininizin DNS(nameserver) bilgilerini bu bölümü kullanarak yönetebilirsiniz. DNS güncelleme işlemleri anlık olarak gerçekleştirilmekte olup, DNS güncelleme işlemleri anlık olarak gerçekleştirilmekte olup, tamamen çözümlenme süresi en geç 48 saat içerisinde gerçekleşir.

Mevcut Dns ns1.isimtescil.net,ns2.isimtescil.net

Yeni Dns Tercihleri

ns1.isimtescil.net, ns2.isimtescil.net

ns1.isimtescil.net, ns2.isimtescil.net

Müşteri özel Dns'ler - Bu tercihte Kendi belirleyeceğiniz dns'ler kullanılır.

DNS Güncelle

Açıklamalar : Domaininizin Host Name (Çalışacağı sunucu) bilgilerini bu bölümü kullanarak yönetebilirsiniz. **Açıklama :** bu sayfamızda domain isminizin hangi sunucu üzerinde host edileceğini (yayınlanacağını) belirleyebilirsiniz. İsimtescil size 3 farklı seçenek sunmaktadır. 1. seçenekte eğer domain isminiz herhangi bir hosta yönlendirilmeyecekse, isimtescilin sunduğu ücretsiz servisler kullanılacaksa tercih edilmelidir. 2. seçenek ise isimtescilden host alındığında tercih edilmelidir. Eğer isimtescil dışında domain isminizi host edecekseniz 3. seçeneği kullanmalısınız.

Nameservers

- Option 1: Use Isimtescil nameservers (if hosting is on Isimtescil).
- Option 3: Use custom nameservers (if hosting is elsewhere).
- Click DNS Güncelle (Update DNS) to apply.

Isimtescil Step 13 — Enter custom nameservers

→ *- Domain Özet Bilgi

→ 1- DNS Yönetimi

→ 2- İletişim Bilgileri

→ 3- NameServer Yönetimi

→ 4- Yapım Aşaması

→ 5- Yönlendirme

→ 6- Gelişmiş DNS

→ 7- Kilitleme

→ 8- Gizlilik Koruması

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→ 10-Başka Kullanıcıya Aktarma

→ 11-Domainyonetimi.com Şifresi

→ 12-Destek İstiyorum

→ **Kapat**

Domain Host Name (DNS) Yönetimi [isimtescildomain.com]

Size özel DNSlerden(nameserver) kullanmak isteğinizi seçip işleme devam edin.

Mevcut Dns ns1.isimtescil.net,ns2.isimtescil.net

Yeni Eklenecek Dns ?

Yeni Dns Tercihleri

ns1.isimtescil.net, ns2.isimtescil.net

ns1.isimtescil.net, ns2.isimtescil.net

Müşteri özel Dns'ler - Bu tercihte Kendi belirleyeceğiniz dns'ler kullanılır.

Yeni Ekle **Düzenle** **Sil**

Dns1	<input type="text"/>	Kullanmak istediğiniz Dns (name server) bilgilerinizi sol taraftaki kutulara sırasıyla giriniz. En az 2 En çok 4 adet Dns bilgisi girilebilir. Farklı Dns istekleriniz için Destek ekibimiz ile buradan iletişime geçiniz. Örnek Dns: ns1.isimtescil.net
Dns2	<input type="text"/>	
Dns3	<input type="text"/>	
Dns4	<input type="text"/>	

Kaydet **Vazgeç**

DNS Güncelle

Açıklamalar : Domaininizin Host Name (Çalışacağı sunucu) bilgilerini bu bölümü kullanarak yönetebilirsiniz.
Açıklama : bu sayfamızda domain isminizin hangi sunucu üzerinde host edileceğini (yayınlanacağını) belirleyebilirsiniz. İsimtescil size 3 farklı seçenek sunmaktadır. 1. seçenekte eğer domain isminizin herhangi bir hosta yönlendirilmeyecekse, isimtescilin sunduğu ücretsiz servisler kullanılacaksa tercih edilmelidir. 2. seçenek ise isimtescilden host alındığında tercih edilmelidir. Eğer isimtescil dışında domain isminizi host edecekseniz 3. seçeneği kullanmalısınız.

Custom NS

- Fill in NS1 / NS2 (and NS3/NS4 if your host provides them).
- Click Kaydet (Save), then DNS Güncelle (Update DNS).
- Wait for propagation before testing the website.

Isimtescil Step 14 — Upload HTML/CSS/JS/PHP (recommended structure)

Example website folder structure (upload to public_html)

```
public_html/  
├── index.html           # home page (static)  
├── index.php           # home page (dynamic) – optional  
├── css/  
│   └── style.css  
├── js/  
│   └── main.js  
├── images/  
│   ├── logo.png  
│   └── hero.jpg  
└── .htaccess           # optional (redirects, caching, PHP settings)
```

- Put your landing page in the ROOT: index.html OR index.php (one of them).
- Linux hosting is case-sensitive: /Images ≠ /images.
- If you upload a ZIP: Upload → Select ZIP → Extract in File Manager.

Checklist

- Upload everything inside /public_html/.
- Keep file paths consistent (Linux is case-sensitive).
- For PHP: upload .php files the same way as .html.
- If you use a database later: create a MySQL DB + user in cPanel.

Isimtescil — FTP/SFTP quick settings (FileZilla)

FTP / SFTP quick settings (for FileZilla)

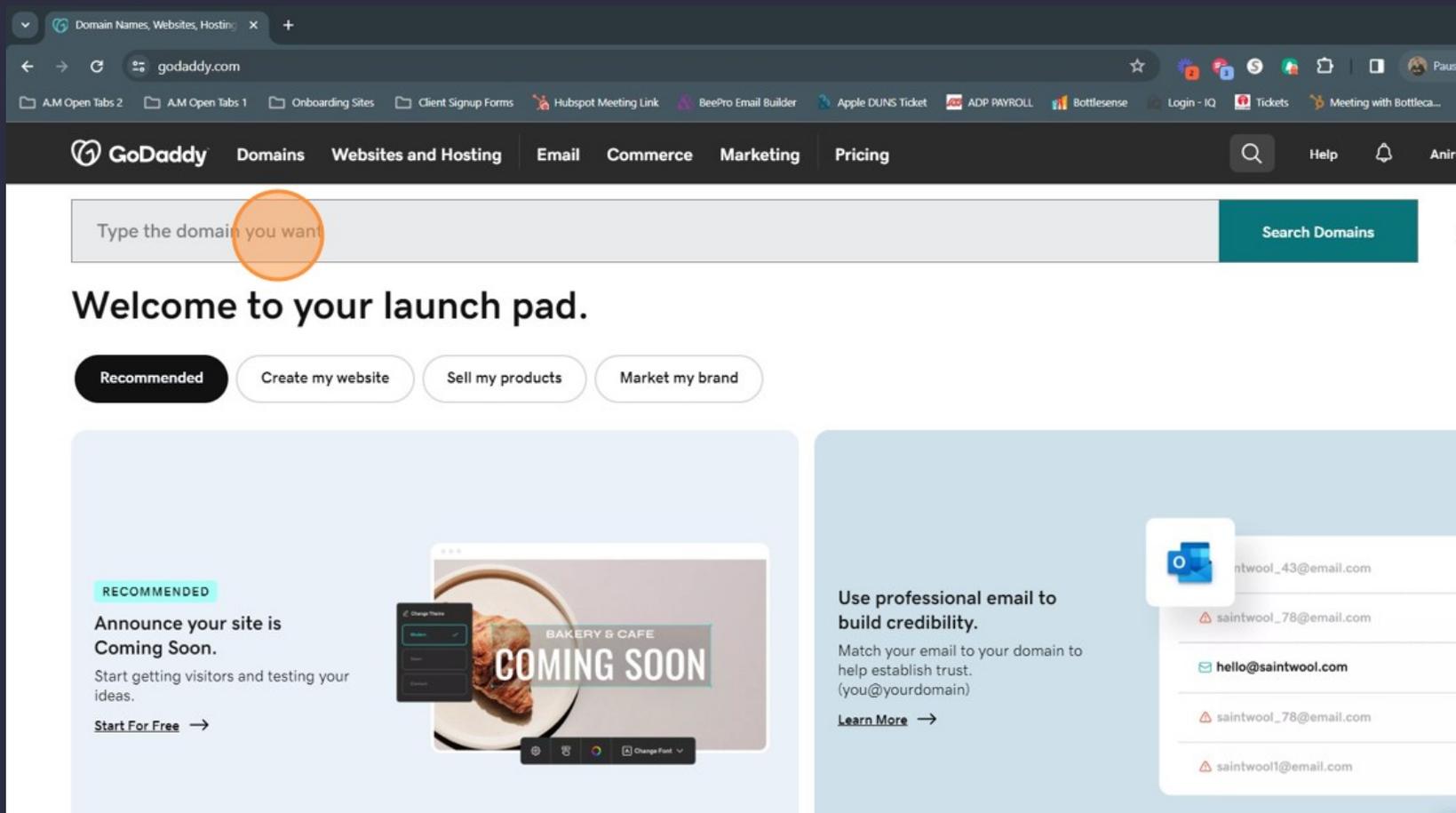
Host	<code>ftp.yourdomain.com</code> or <code>your-server-IP</code>
Username	<code>cpanelUser</code> or <code>ftpuser@yourdomain.com</code>
Password	<code>.....</code> (same as cPanel password unless you create a new)
Port	<code>21 (FTP)</code> <code>22 (SFTP/SSH)</code>
Remote folder	<code>/public_html/</code> (this is your website root)

- Tip: If you have only a few files, using cPanel File Manager is usually faster.
- Tip: Upload a ZIP for many files → extract it on the server to save time.

When to use FTP

- Use this if you upload many files or want a faster workflow.
- Prefer SFTP (port 22) if your hosting supports it.
- Always upload to `/public_html/` for the main website.

GoDaddy Step 1 — Search for a domain

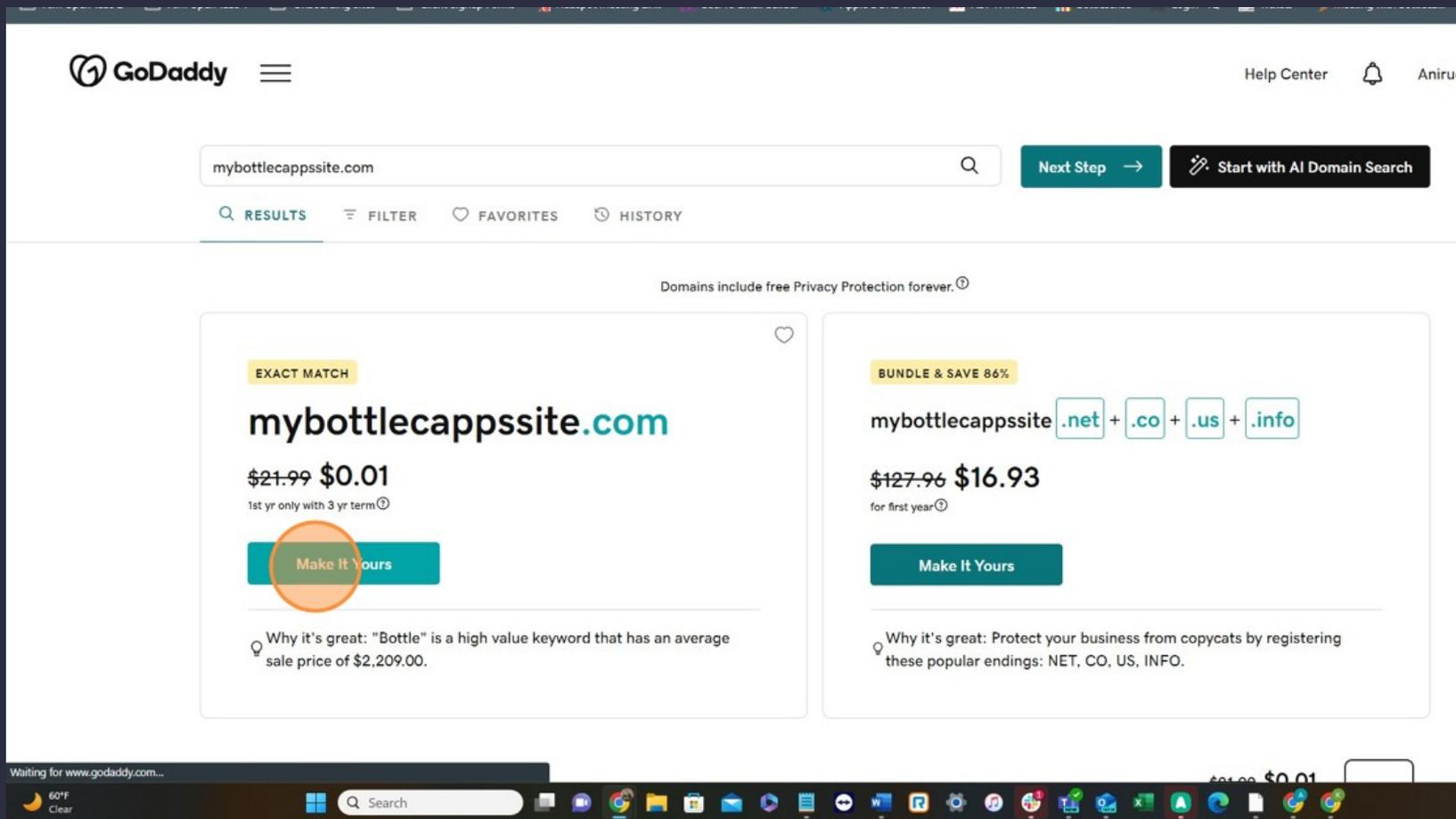


The screenshot shows the GoDaddy homepage. At the top, there is a navigation bar with the GoDaddy logo and menu items: Domains, Websites and Hosting, Email, Commerce, Marketing, and Pricing. A search bar is located on the right side of the navigation bar. Below the navigation bar, there is a large search bar with the placeholder text "Type the domain you want" and a "Search Domains" button. Below the search bar, there is a "Welcome to your launch pad." message. Underneath, there are four buttons: "Recommended" (highlighted), "Create my website", "Sell my products", and "Market my brand". The main content area is divided into two columns. The left column features a "RECOMMENDED" section with the text "Announce your site is Coming Soon." and a "Start For Free" link. It includes a preview of a website for a bakery and cafe with a "COMING SOON" banner. The right column has the text "Use professional email to build credibility." and a "Learn More" link. It includes a preview of an email inbox with several email addresses, including "hello@saintwool.com".

Do this

- Go to GoDaddy and use the search bar to check domain availability.
- Pick a short, brandable name (prefer .com if possible).

GoDaddy Step 2 — Select your domain and add to cart



The screenshot shows the GoDaddy domain selection interface. At the top, the GoDaddy logo is on the left, and 'Help Center' and a user name 'Anirudh' are on the right. A search bar contains 'mybottlecapssite.com'. Below the search bar are buttons for 'Next Step' and 'Start with AI Domain Search'. Underneath are links for 'RESULTS', 'FILTER', 'FAVORITES', and 'HISTORY'. A note states 'Domains include free Privacy Protection forever.' Two domain options are presented in cards. The first card, labeled 'EXACT MATCH', shows 'mybottlecapssite.com' for '\$21.99 \$0.01' (1st yr only with 3 yr term). The 'Make It Yours' button is circled in orange. The second card, labeled 'BUNDLE & SAVE 86%', shows 'mybottlecapssite .net + .co + .us + .info' for '\$127.96 \$16.93' (for first year). It also has a 'Make It Yours' button. Below each card is a 'Why it's great' section with a magnifying glass icon. The Windows taskbar is visible at the bottom.

Do this

- Click Make it yours (or similar button) to add the domain.
- Review optional add-ons (privacy, email) — choose what you need.

GoDaddy Step 3 — Checkout (cart)

Note: if you purchase the domain for longer, you will save \$\$\$ in the long run since renewing a domain costs more than the initial purchase.

Your Cart

GoDaddy is a trusted growth partner to millions of everyday entrepreneurs.

www mybottlecapssite.com

.COM Domain Registration

3 Years 

\$43.99
~~\$65.97~~
33% off

Renews February 2027 for \$65.97

Full Domain Protection **RECOMMENDED** \$9.99/yr

- Prevents hackers from stealing your domain or making any other unauthorized changes.
- Requires your approval via 2-factor verification for vital changes like deleting or transferring a domain.

 Microsoft 365 Email Essentials **Get It**

\$2.99/mo ~~\$7.99~~

- 10GB email storage
- Email, calendar & contacts in sync across all devices

It's your name. Own it. Lock in your matching mybottlecapssite domain names before someone else does.

Order Summary

1 item

Subtotal (USD) \$43.99

4 interest-free payments of \$10.99. **Klarna**

[Learn More](#)

Subtotal does not include applicable taxes

Promo Code: **ABC0347841**

✓ VALID PROMO CODE. You're getting the best price we've got.

 Nice! You saved \$21.98 on your order.

 PayPal

or

I'm Ready to Pay

Do this

- Review the domain term (1 year, 2 years, etc.).
- Confirm price and add-ons.
- Continue to payment.

GoDaddy Step 4 — Complete your purchase


[Edit](#)

Subtotal	\$43.99
<u>Taxes & Fees</u>	\$0.54

Total (USD) **\$44.53**

 Nice! You saved \$21.98 on your order.

Complete Purchase 

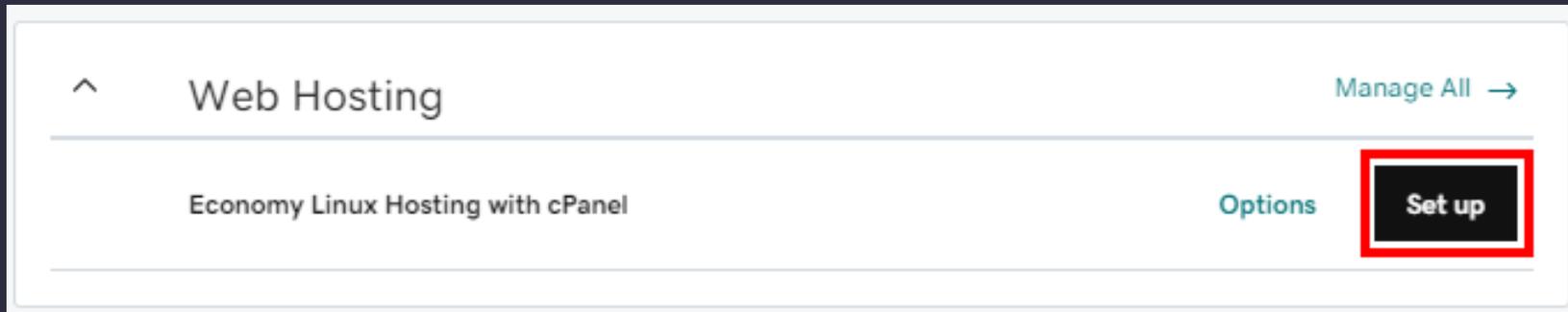
By clicking "Complete Purchase", you agree to our [Terms & Conditions](#) and [Privacy Policy](#), and consent to enroll your product(s) in our automatic renewal service, which can be cancelled at any time via the Renewals and Billing page in your account. Automatic renewals are billed to the payment method selected for this order or your backup payment method(s), until cancelled. Your payment details will be saved as your default method of payment for future purchases and subscription renewals. Your payment is being processed in: United States.

 [Contact Us](#)

Result

- Click Complete Purchase to finalize.
- After purchase: domain appears under My Products → Domains.

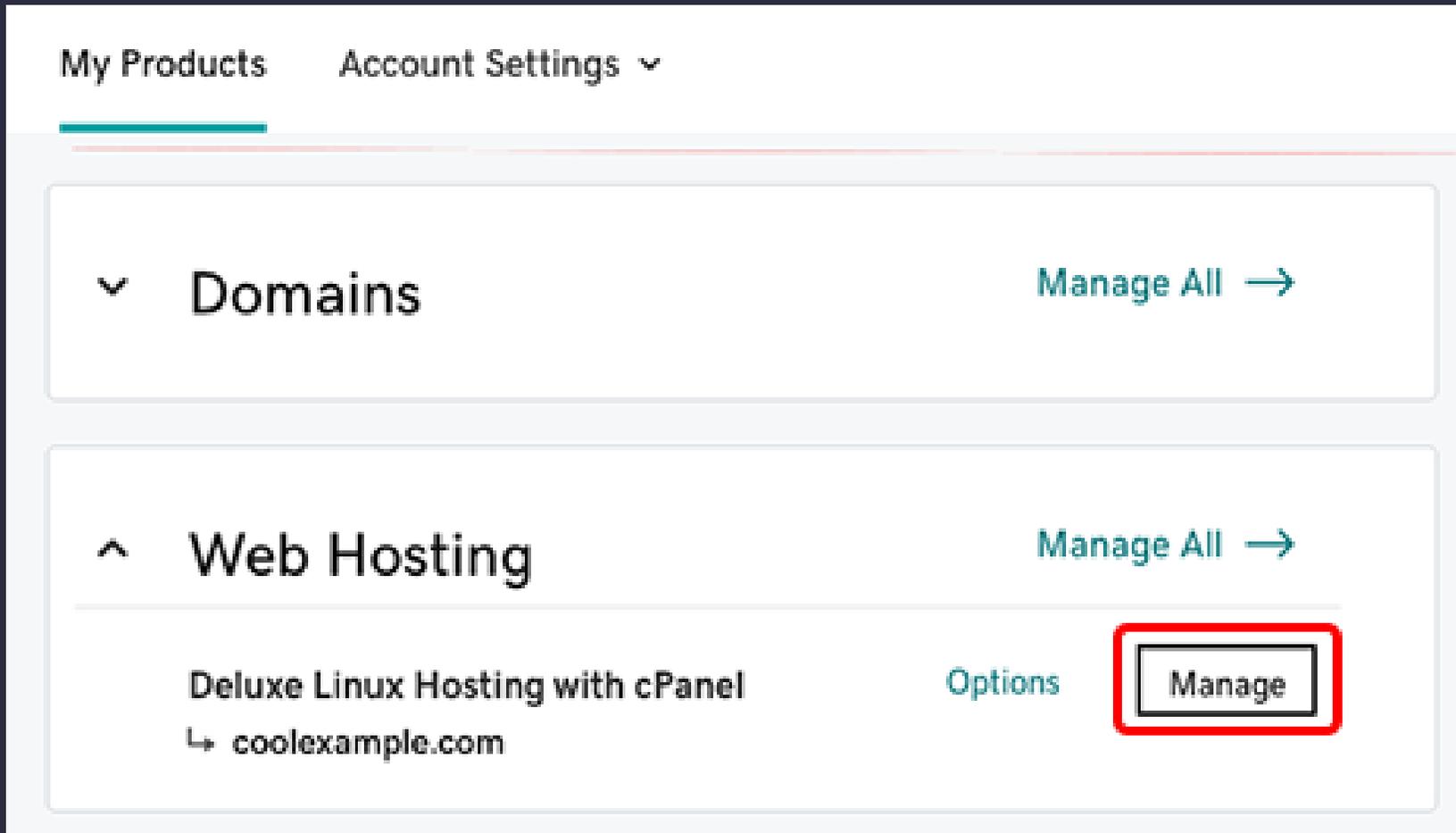
GoDaddy Step 5 — Set up Web Hosting (cPanel)



Hosting

- Buy a Web Hosting (cPanel) plan (Linux hosting).
- Click Set up to provision the hosting account.
- Assign a domain during setup if prompted.

GoDaddy Step 6 — My Products → Web Hosting → Manage



The screenshot shows the GoDaddy 'My Products' dashboard. At the top, there are two tabs: 'My Products' (active) and 'Account Settings'. Below the tabs, there are two main sections. The first section is 'Domains', with a 'Manage All' link and an arrow. The second section is 'Web Hosting', which is expanded to show a list of products. The first product listed is 'Deluxe Linux Hosting with cPanel' for the domain 'coolexample.com'. To the right of this product, there are two links: 'Options' and 'Manage'. The 'Manage' link is highlighted with a red rectangular box.

Do this

- Open My Products.
- Under Web Hosting, click Manage for the hosting plan.
- This opens the hosting Dashboard (settings, tools, file manager).

GoDaddy Step 7 — Find cPanel Login (also FTP username)

Settings

Account Server

Primary domain
coolexample.com [Manage](#)

cPanel login
cpanelUsername999 [Copy](#)

Important

- In the hosting Dashboard, open Settings.
- Copy cPanel login — it's your primary FTP username too.
- To reset the password: use the Change password option in Dashboard.

GoDaddy Step 8 — Open File Manager

Websites [Refresh List](#)

petpakhsh.com [Clone](#) [File Manager](#)

WordPress 6.3.2 - [Admin](#)

Upload

- In Dashboard → Websites, click File Manager for your domain.
- Upload files to the site root (usually /public_html/).
- Make sure you have an index.html or index.php.

GoDaddy Step 9 — FTP Manager (create additional FTP users)

Tools

Backups

[Manage](#)

phpMyAdmin

[Launch](#)



File Manager

[Launch](#)



FTP Manager

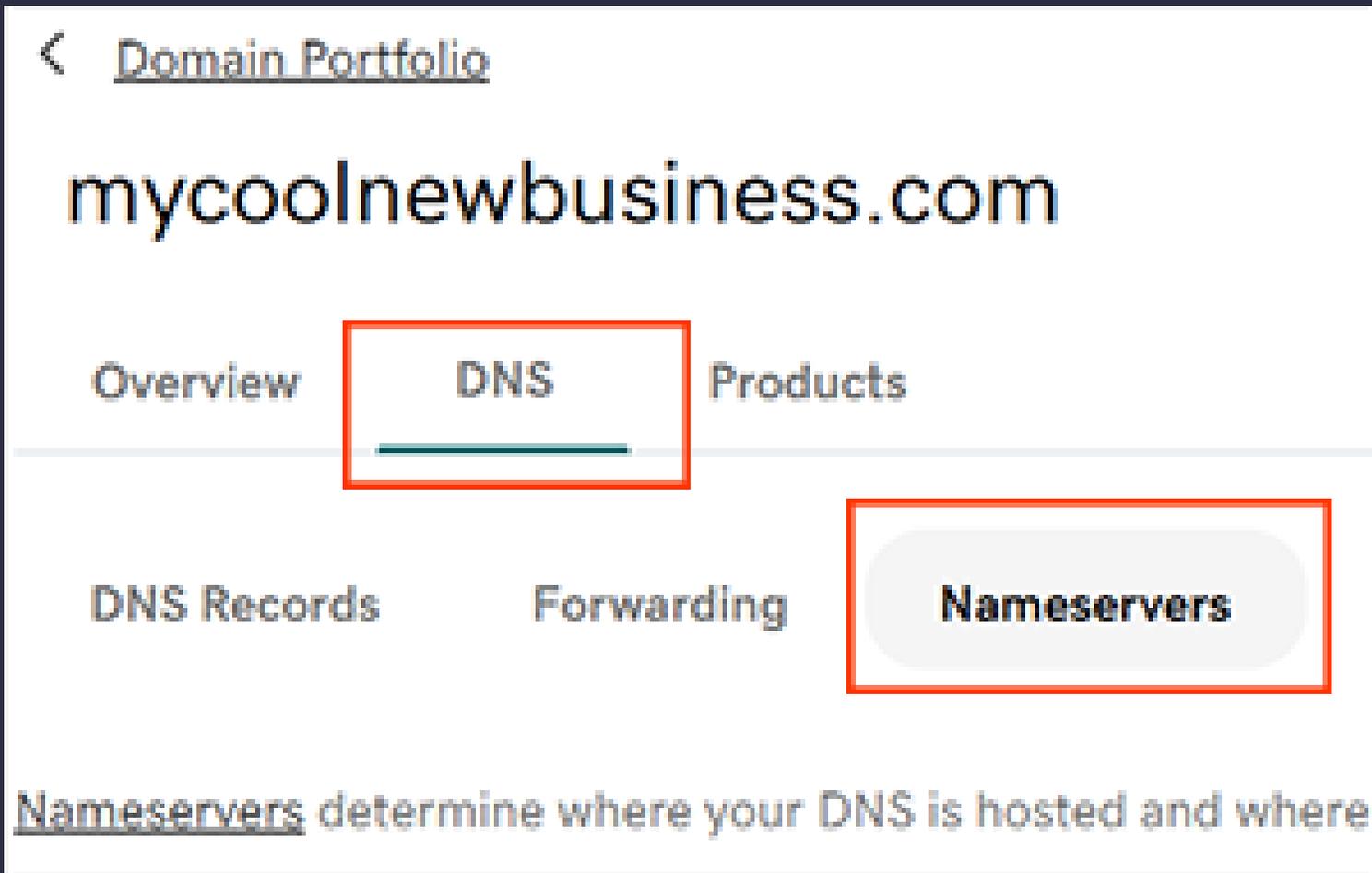
[Launch](#)



FTP

- Use FTP Manager to create extra FTP users (recommended if you share access).
- Limit each user's directory if needed (security).

GoDaddy Step 10 — Domain Settings → DNS / Nameservers

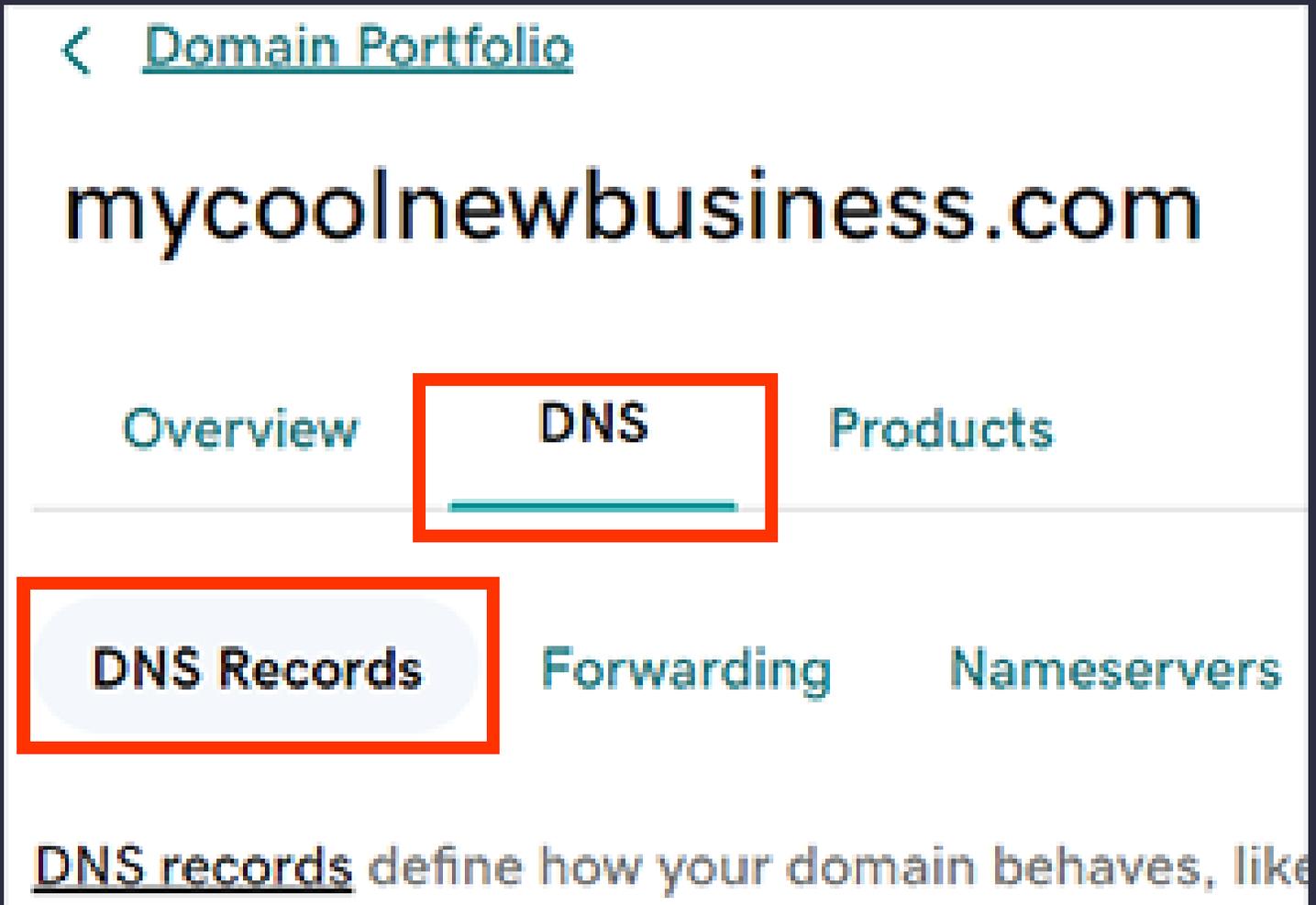


The screenshot shows the GoDaddy interface for the domain **mycoolnewbusiness.com**. At the top left, there is a back arrow and the text "Domain Portfolio". Below this, the domain name "mycoolnewbusiness.com" is displayed in a large font. A horizontal navigation bar contains three tabs: "Overview", "DNS", and "Products". The "DNS" tab is highlighted with a red rectangular box. Below the navigation bar, there are three sub-sections: "DNS Records", "Forwarding", and "Nameservers". The "Nameservers" section is highlighted with a red rectangular box. At the bottom of the screenshot, there is a text box containing the sentence: "Nameservers determine where your DNS is hosted and where".

Connect domain

- Open your domain in GoDaddy.
- Go to the DNS tab.
- Use Nameservers if you want to delegate DNS to your hosting provider.

GoDaddy Step 11 — DNS Records tab



The screenshot shows the GoDaddy interface for the domain **mycoolnewbusiness.com**. At the top left, there is a back arrow and the text **Domain Portfolio**. Below this, the domain name **mycoolnewbusiness.com** is displayed in a large font. A horizontal navigation bar contains three tabs: **Overview**, **DNS** (which is highlighted with a red box and a teal underline), and **Products**. Below the navigation bar, there are three sub-tabs: **DNS Records** (highlighted with a red box), **Forwarding**, and **Nameservers**. At the bottom of the screenshot, a partial sentence reads: **DNS records** define how your domain behaves, like

DNS records

- Use DNS Records to edit A records and CNAME records.
- Typical setup:
 - A record for @ → hosting IP
 - CNAME for www → @

Go live checklist (both providers)

Before you announce your website:

- Domain points to the correct hosting (Nameservers or A record).
- Files are in the correct folder (usually /public_html/).
- Homepage exists: index.html or index.php.
- HTTPS/SSL is enabled (AutoSSL / Let's Encrypt) and your site loads with https://.
- No broken paths (check /css/style.css, /images/...) and case matches exactly.

AI Tools: Build a CV Site

- Prompting, iteration, and checking the output

Homework / Submission

- Deliverables:
- 1) A working CV site (HTML + CSS)
- 2) Runs locally in WAMP (<http://localhost/...>)
- 3) Optionally buy a domain and hosting service, publish your website