

# WEB HOSTING MASTERCLASS

THE ENGINE ROOM OF THE INTERNET

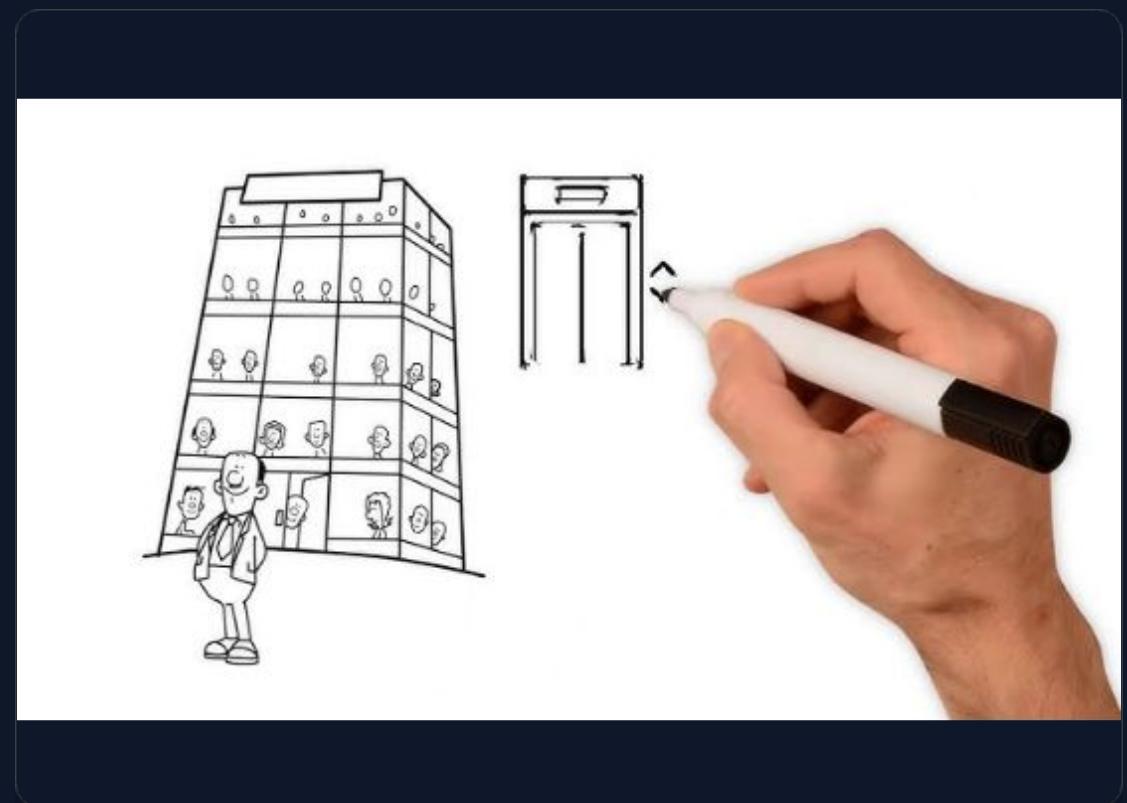
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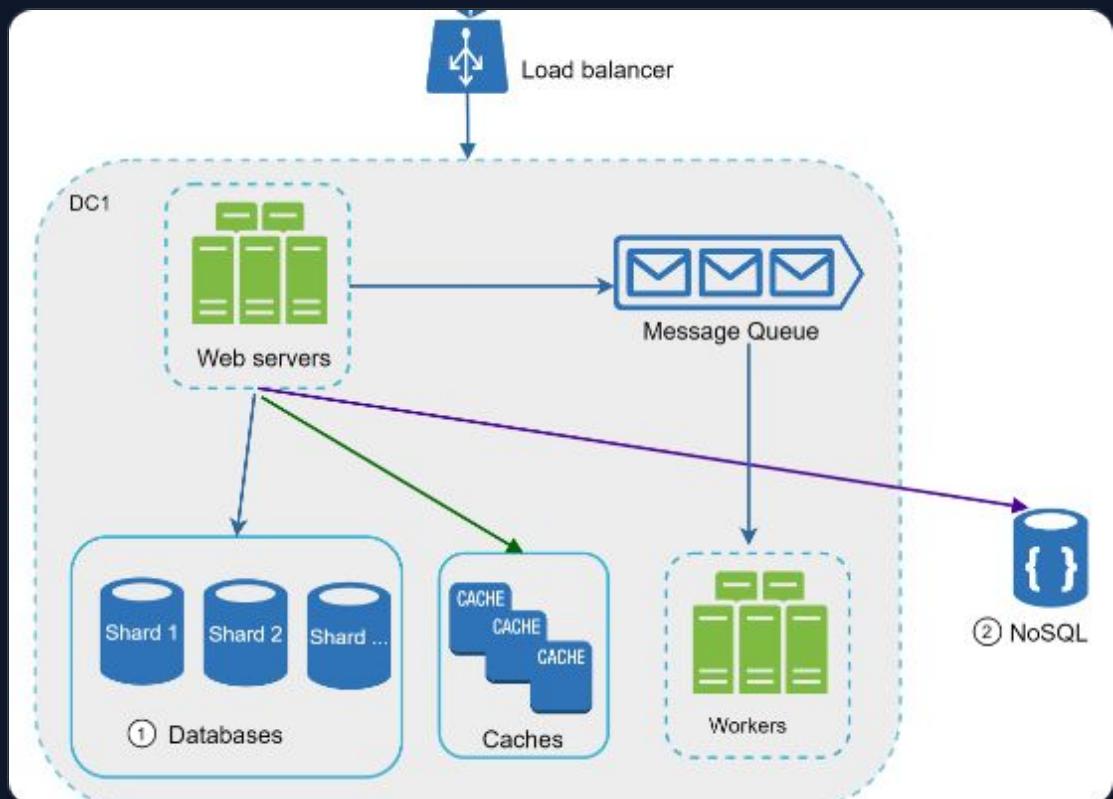
# What is Web Hosting?

## The Digital Real Estate

If your **Domain Name** is your address (e.g., amarsmartindia.com), and your **Website** is the house... Then **Web Hosting** is the land where your house is built. Without the land (hosting), you have nowhere to store your furniture (files, images, code). Hosting providers rent out space on physical servers to store your website data so it can be accessed online 24/7.



# How Hosting Works



- > **Step 1: Request.** A user types your domain name into their browser.
- > **Step 2: Lookup.** The DNS system translates the domain name into the IP address of your hosting server.
- > **Step 3: Fetch.** The browser connects to the server where your files are stored.
- > **Step 4: Render.** The server sends the files (HTML, CSS, Images) back to the browser to display the website.

# 1. Shared Hosting



## The Concept

Your website lives on a single server alongside hundreds of other websites. You share resources like CPU and RAM.

Hostinger

GoDaddy



## Pros

PRO

Very Affordable  
(\$2-\$5/mo)

PRO

Beginner Friendly

PRO

Pre-configured



## Cons

CON

Slow if others use resources

CON

Limited security

CON

Not for high traffic

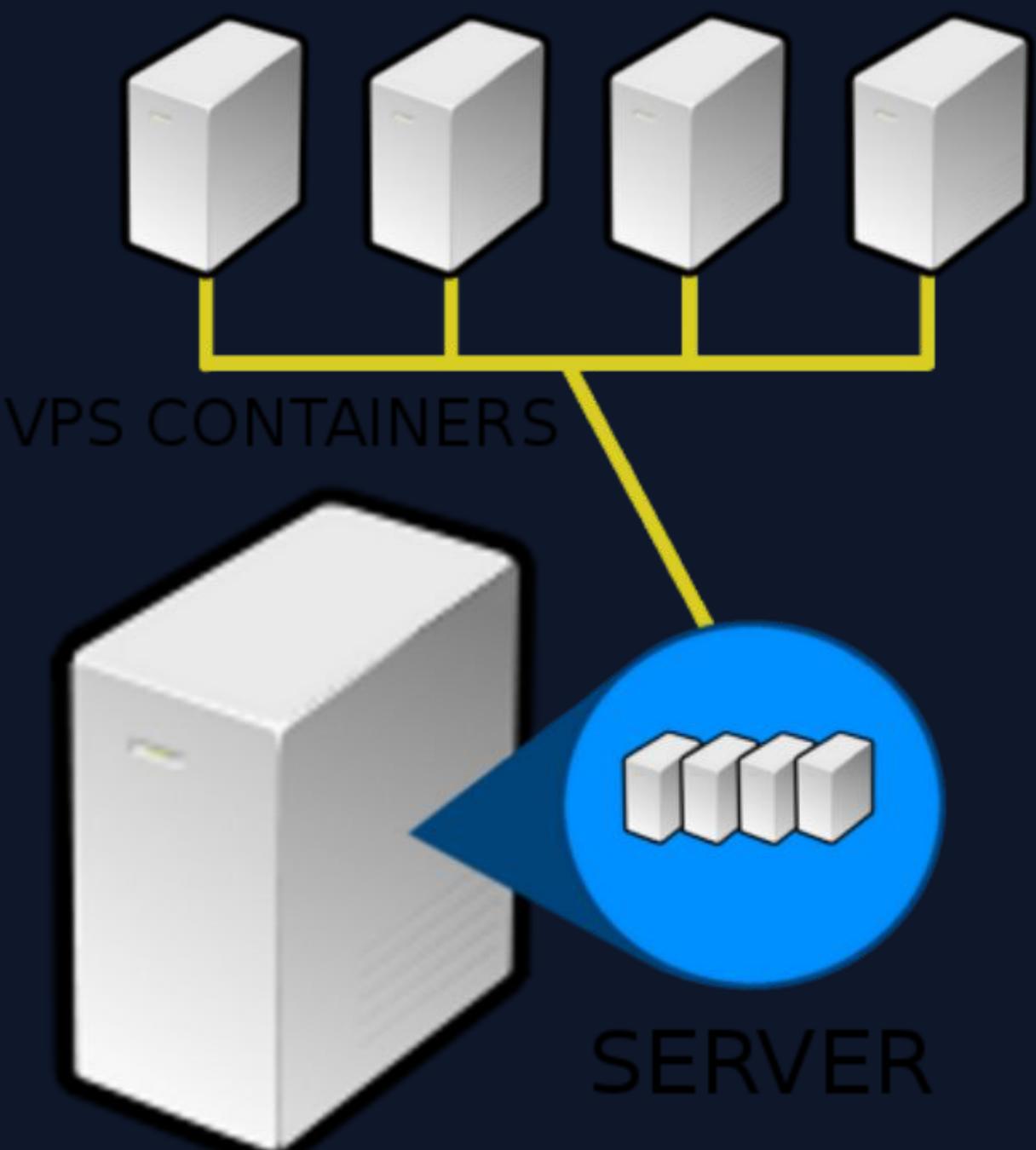
## 2. VPS Hosting

**Virtual Private Server.** Imagine owning a Condo.

You are still in a shared building, but you have your own dedicated walls and resources.

A physical server is virtually partitioned. You get a guaranteed slice of RAM and CPU that no one else can touch.

- > **PRO** More stable & faster than shared.
- > **PRO** Root access for custom software.
- > **CON** Requires some technical knowledge.



# 3. Dedicated Hosting



## The Powerhouse

You rent the entire physical machine. No sharing. All resources are 100% yours.

This is like owning a detached villa on a large plot of land.

**Best For:** Huge e-commerce sites, enterprise apps, or sites with millions of visitors.

**Cost:** High (\$100 - \$500+ / mo)

## 4. Cloud Hosting (AWS)



### The Network

Instead of one server, your data is spread across a network of connected servers. If one fails, another takes over instantly.

AWS

Google Cloud



### Why AWS?

**Scalability:** You can double your server power in seconds during traffic spikes.

**Pay-as-you-go:** You only pay for the resources you actually consume.

# Provider Showdown

| Provider     | Best For                 | Type Focus       | Approx. Price            |
|--------------|--------------------------|------------------|--------------------------|
| Hostinger    | Beginners & Budgets      | Shared & VPS     | \$ - Low                 |
| GoDaddy      | Small Business           | Domains + Shared | \$\$ - Medium            |
| AWS (Amazon) | Developers & Enterprises | Cloud Computing  | \$\$-\$\$\$\$ (Variable) |
| Bluehost     | WordPress Users          | Managed WP       | \$\$ - Medium            |

# Which is the “Best”?

**It depends on your goal...**

- > **Just Starting?** Go with **Hostinger Shared Hosting**. It's cheap, fast enough, and easy to use.
- > **Growing Business?** Move to a **VPS**. You need the stability for your customers.
- > **Global App/Startup?** Use **AWS Cloud**. It scales infinitely but requires an engineer to manage.



# THANK YOU

Any Questions about Hosting?

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