

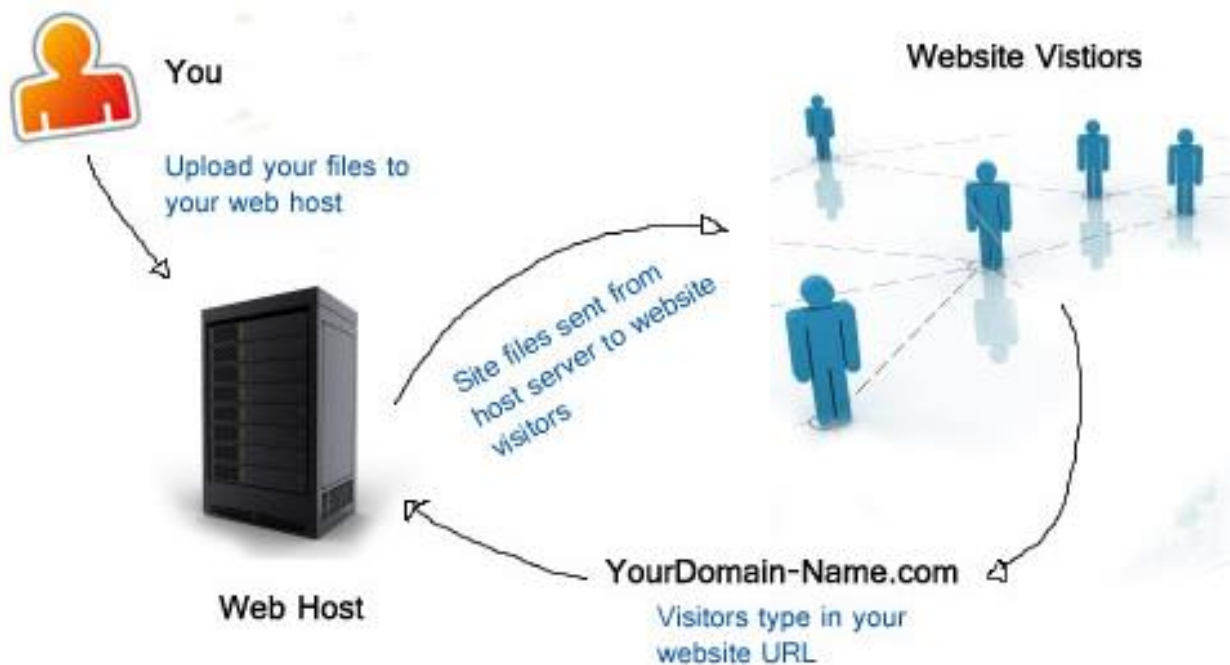
What is Web Hosting?

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Why is it important?

A web hosting service is a type of Internet hosting service that allows individuals and organizations to make their website accessible via the World Wide Web.

Web hosts are companies that provide space on a server owned or leased for use by clients, as well as providing Internet connectivity, typically in a data center. Web hosts can also provide data center space and connectivity to the Internet for other servers located in their data center, called colocation, also known as Housing in Latin America or France.



Let us understand it by an example, suppose

When you go to a party, there's always a host. The host is usually the one who sets the location so everyone can come and enjoy the party.

When you're thinking of website hosting, think of your site's host like the host of the party. Your web host, just like a party host, offers you a place to put your website so it can be enjoyed by everyone on the internet.

A web host, or web hosting service provider, is a business that provides the technologies and services needed for the website or webpage to be viewed in the Internet. Websites are hosted, or stored, on special computers called servers. When Internet users want to view your website, all they need to do is type your website address or domain into their browser. Their computer will then connect to your server and your webpages will be delivered to them through the browser.

Most hosting companies require that you own your domain in order to host with them. If you do not have a domain, the hosting companies will help you purchase one.



Here are some features you should be expecting from your hosting provider:

Email Accounts	As mentioned earlier, most hosting providers require users to have their own domain name. With a domain name (e.g. <code>www.yourwebsite.com</code>) and email account features provided by your hosting company.
FTP Access	The use of FTP lets you upload files from your local computer to your web server. If you build your website using your own HTML files, you can transfer the files from your computer to the web server through FTP, allowing your website to be accessed through the internet.
WordPress Support	WordPress is an online website creation tool. It is a powerful blogging and website content management system, which is a convenient way to create and manage website. WordPress powers over 25% of websites on the internet.

There are different types of Web Hosting

1. Shared Hosting

In shared hosting, one's web site is placed on the same server as many other sites, ranging from a few to hundreds or thousands. Typically, all domains may share a common pool of server resources, such as RAM and the CPU.

As cost is extremely low, most websites with moderate traffic levels running standard software are hosted on this type of server. Shared hosting is also widely accepted as the entry level hosting option as it requires minimum technical knowledge.

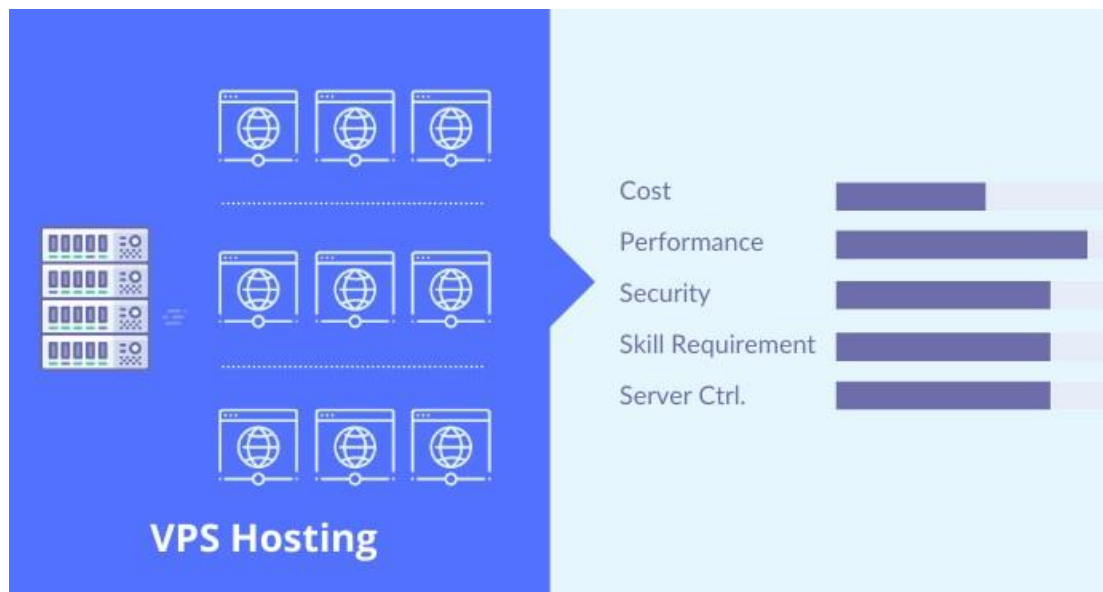


Shared Hosting: Cheaper, easy to maintain; limited server control and power.

2. Virtual Private Server (VPS) Hosting

A virtual private server hosting divides a server into virtual servers, where each website is like hosted on their own dedicated server, but they're actually sharing a server with a few different other users.

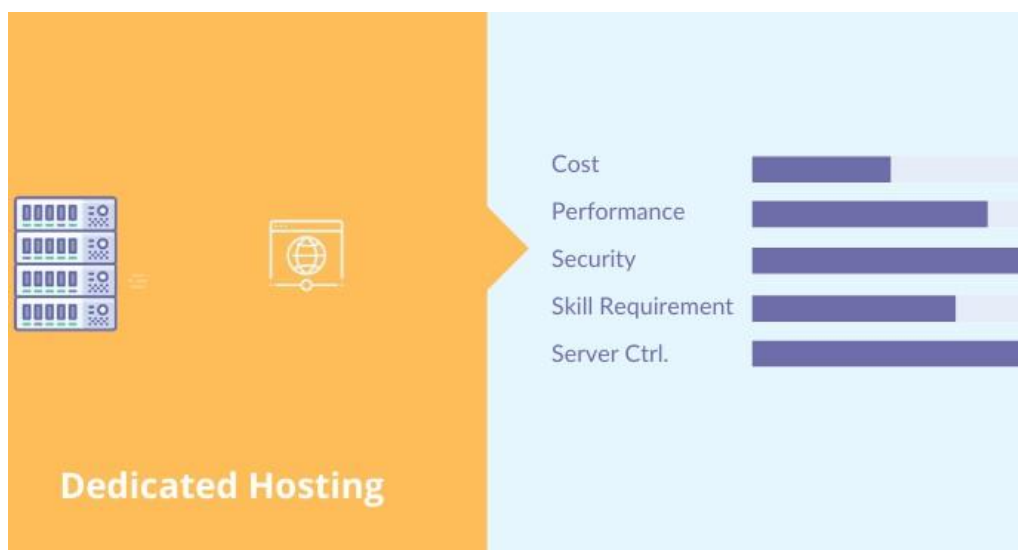
The users may have root access to their own virtual space and better secured hosting environment with this type of hosting. Websites that need greater control at the server level, but don't want to invest in a dedicated server.



VPS Hosting: More server control and power; pricier than shared hosting.

3. Dedicated Server Hosting

A dedicated server offers the maximum control over the web server your website is stored on – You exclusively rent an entire server. Your website(s) is the only website stored on the server.



Dedicated Hosting: Great server power and full server control; require highest cost and skills.

4. Cloud Hosting

Cloud hosting offers unlimited ability to handle high traffic or traffic spikes. Here's how it works: A team of servers (called a cloud) work together to host a group of websites. This allows multiple computers to work together to handle high traffic levels or spikes for any particular website.



Cloud Hosting: Extremely flexible and cost efficient; steeper learning curve to start.

**There are many different platforms for Web Hosting
some of them are**

1. Bluehost web hosting - Best web hosting overall. ...
2. Hostgator - Best shared web hosting. ...
3. Hostinger - Best cloud web hosting. ...

4. Inmotion - Best reseller web hosting. ...
5. Hostwinds - Best dedicated web hosting. ...
6. Dreamhost - Best email hosting provider. ...
7. GreenGeeks - Best green hosting service. ...
8. Domain.com - Best shared hosting provider.

I have explained some of the platforms down here...

Bluehost web hosting –

- At the very top of the web hosting provider scoreboard is [Bluehost](#). Arguably one of the largest website hosting providers in the world, Bluehost powers over two million websites globally.
- From WordPress hosting, to managed hosting and WooCommerce, Bluehost has its hypothetical hands in plenty of hosting pots, all while delivering its services to a great standard.
- Bluehost now also has its own website builder that features drag and drop editing, live editing, mobile editing, and stock image repository. It also includes over 300 templates, full WordPress access and custom CSS.
- Generally, Bluehost offers good customer support, as well as a free site migration tool, and the end result is a mix of user-friendly aspects alongside a good amount of power.

Hostgator web hosting –

- [HostGator](#) has been around since 2002 and has, over the years, grown to now cater to thousands of customers in the hosting department.
- The web hosting provider is the best when it comes to shared hosting services because it's reliable, the price is affordable and the company boasts of 99.9% uptime.

- HostGator also provides WordPress hosting and, like Bluehost, has its very own website builder service too, which is not uncommon for web hosting companies to have these days.

Hostinger web hosting –

- [Hostinger](#) has the top spot when it comes to the best cloud hosting provider because of its speed, power and affordability.
- There are three cloud hosting plans available, Cloud Startup, Cloud Professional, and Cloud Global, all of which offer unlimited bandwidth and up to 300 websites for your account.
- Hostinger even encourages you to get more cloud hosting power as your website expands.
- Hostinger prefers to use its own technology (for example, it has its own customized control panel instead of the ubiquitous - and sometimes controversial - cPanel), so that it can better deliver performance and features at a much lower cost.
- In regards to your website's security, Hostinger uses server security tool BitNinja to guard all its servers against cyberattacks. On top of that, the company boasts that it uses integrated custom security software that is regularly updated.

Why Web Hosting is important?

Reasons why web hosting is important for your website:

1) Safe and stable server environment

Choosing a good web host provider is paramount if you want a secure server to rest your website on. Only a safe web host can provide a network space that is strong enough to fight online threats, hacks and other cyber-attacks. A reliable web host provider will keep your site data and client's personal data safe.

2) Data storage

The amount of data that needs to be stored on your website's server plays a huge role in deciding what kind of web hosting partner you're looking for. How much online traffic your website can handle, including concurrent users needs to be well established before you make a deal with a hosting service. Putting a limit to storage can lead to site shutdown when traffic is high on your webpage. A premium web host, like **Hosting Foundry**, will provide you with a variety of options depending on your data limit and fulfill your hosting needs.

3) Reliable customer service

High quality customer service is a hallmark of a good web hosting solutions provider. A good web host will always be there when you need any kind of technical assistance or support. It can offer multiple ways for you to contact them whenever the need arises for you to do so.

4) Speed

One of the main reasons for bad user experience is slow loading times of your website's landing page. A poor web host capability will see a lot of site crashes due to too much load on the shared server. This will lead to your clients looking for hosting services elsewhere where there are tools and software strong enough to top lags and heavier traffic.

5) Customizable pricing

It is very important that once you've chosen your web host provider, you opt for a flexible plan which can be modified based on the site's needs. If your website grows over time, then your web host should cater to the increased server, storage, data speed demands without much fuss. A free plan, on the contrary, is likely to be full of non-negotiable terms that won't come in handy when you need high performance.