

WEB TECHNOLOGY

WEB PUBLISHING AND HOSTING

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WHAT IS WEB HOSTING OR PUBLISHING?

1. Web hosting or Web publishing, or "online publishing," is the process of publishing content on the Internet.
2. It includes creating and uploading websites, updating webpages, and posting blogs online. The published content may include text, images, videos, and other types of media.
3. In order to publish content on the web, you need three things:
 - a) web development software, b) an Internet connection, and c) a web server.
4. The Internet connection serves as the medium for uploading the content to the web server. Large sites may use a dedicated web host, but many smaller sites often reside on shared servers, which host multiple websites.
5. Most blogs are published on public web servers through a free service like Blogger.
6. Posting updates on social networking websites like Facebook and Twitter is generally not considered web publishing. Instead, web publishing generally refers to uploading content to unique websites.

WHAT IS WEB HOSTING OR PUBLISHING?



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Besides providing server space for your website, the service provider also provides other services related to website management, such as:

- SSL certificates
- Email hosting and page builders
- Developer tools
- 24/7 customer support service
- Automated website backups
- One-click software installs for WordPress or Drupal etc.

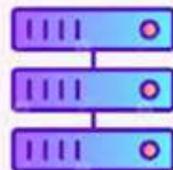
TYPES OF WEB HOSTING

- Shared hosting
- VPS hosting
- Cloud hosting
- WordPress hosting
- Dedicated hosting

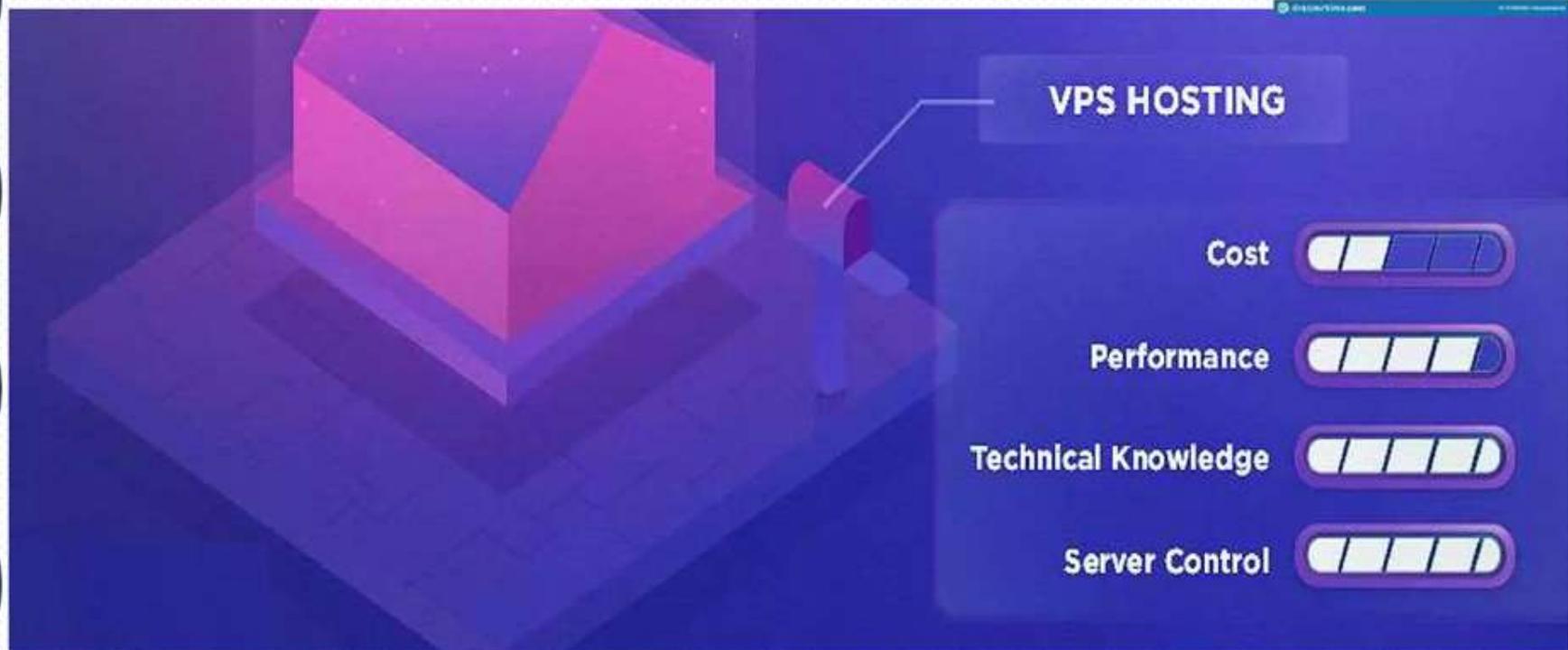
SHARED HOSTING



VPS HOSTING



VPS HOSTING



CLOUD HOSTING



WORDPRESS HOSTING



DEDICATED HOSTING



WEB HOSTING AND DOMAIN NAME

1. Besides signing up for a web hosting service, you also need to **purchase a domain name**. While web hosting allows you to rent server space for your site, the domain name acts as an address of your site.
2. When your users want to check out your site, they type the domain name into their browser's address bar and your server transfers the content they requested for.
3. With most web hosts, you need to **purchase your domain name** separately. Or, if you already own a domain, you can also transfer it to your current hosting provider.
4. Similarly to web hosting plans, you need to pay for your domain name annually in order to keep the ownership of the domain.

DOMAIN NAME REGISTRATION



TYPES OF DOMAIN NAME

1. Top Level Domains (TLD)
2. Second Level Domains (SLD)

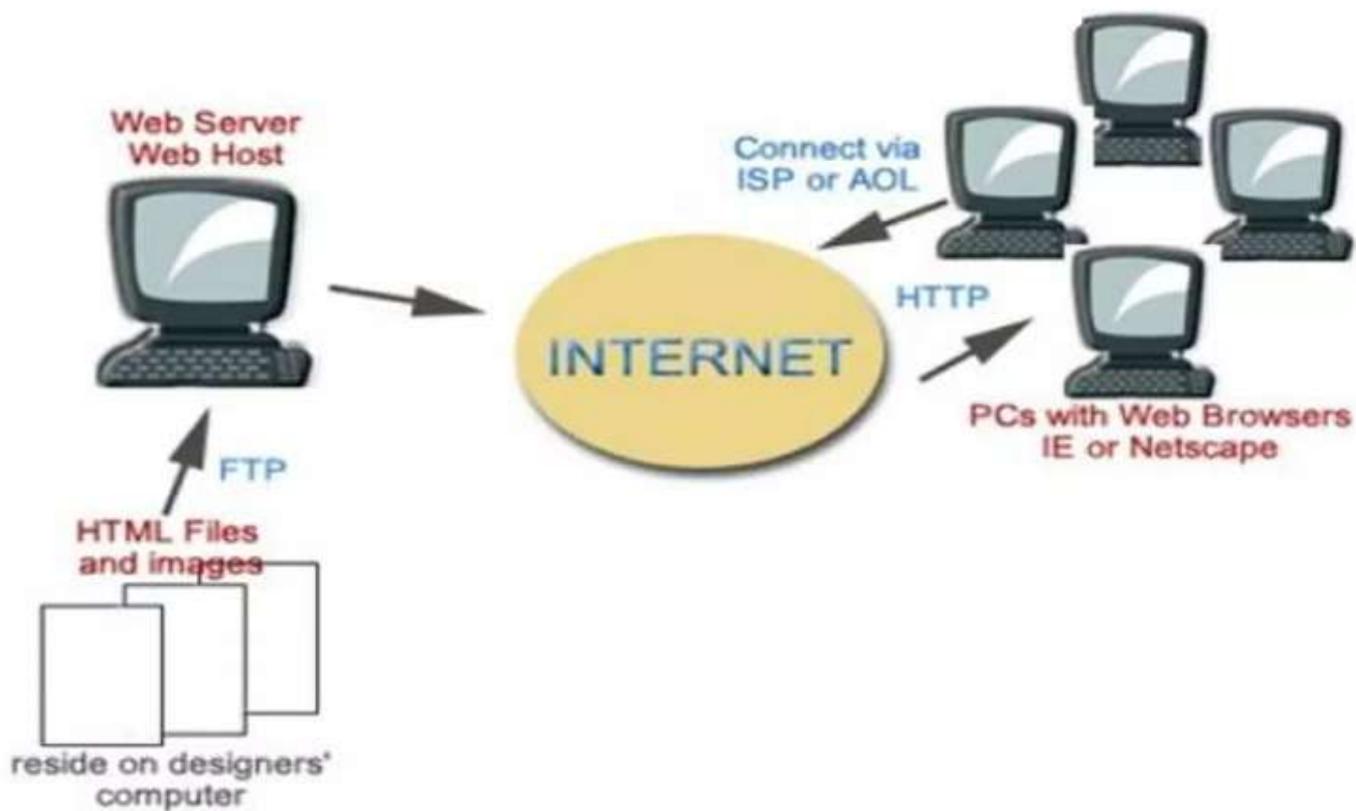
DEFINING NAME SERVERS

- Nameservers help connect URLs with the IP address of web servers.
- Nameservers are an important part of the Domain Name System (DNS), which many people call the “phone book of the Internet”.

NAMESEEVERS VS DNS RECORDS

- DNS records are what contain the actual information that other browsers or services need to interact with, like your server's IP address.
- Nameservers, on the other hand, help store and organize those individual DNS records.

WEB PUBLISHING PROCESS



STEPS OF WEB PUBLISHING

