

Module 7: Integrating Domains with Hosting and Other Services

Integrating Domains with Hosting and Other Services

7.1 Setting Up Domains with Web Hosting

- To establish a website, you need to connect your domain to a web hosting service. The process varies depending on the hosting environment.
- **cPanel & Plesk (Truehost):** These are popular control panels for managing hosting environments.
- **cPanel:** After purchasing a domain from Truehost, you can point it to your hosting account by setting the Truehost Nameservers

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- (***ns1.cloudoon.com, ns2.cloudoon.net, ns3.cloudoon.org***). Once linked, you can manage DNS settings directly via the cPanel interface.
- **Plesk**: Similar to cPanel, Plesk allows you to link your domain and manage hosting services through its panel. Point your domain using default nameservers below:
- For account hosted on **Lim202.truehost.cloud** windows server
 - dns3.cloudoon.com
 - dns4.cloudoon.com

7.1 Setting Up Domains with Web Hosting

- For an account hosted on **Hnk202.truehost.cloud** windows server.
 - dns5.cloudoon.com
 - dns6.cloudoon.net

7.2 Linking Domains to VPS / Dedicated Servers

- For more control over your hosting environment, VPS or dedicated servers are popular options. Depending on your setup, you'll need to configure either Apache or Nginx to serve websites from your domain.
- **Apache:** Configure the domain by editing the Virtual Host configuration file and Point your domain's A record to the server's IP
- **Nginx:** Similar to Apache, Nginx requires a server block configuration that matches your domain name and IP address.
- To simplify the process, consider installing a panel such as Cyberpanel or CWP which are free.

7.3 Domain Forwarding and Redirection

Domain forwarding allows you to redirect one domain to another. This is useful when you have multiple domains or want to redirect visitors from an old domain to a new one.

- 301 Redirect: Permanent redirection.
- 302 Redirect: Temporary redirection.

You can set up domain redirection through cPanel, Plesk, or directly through DNS settings if using a service like Cloudflare.

7.4 Email Services with Domains

- Email services are an essential part of domain integration. Whether you're setting up business email on Truehost or using a third-party service, proper configuration ensures reliable email delivery.

Email Setup with Domain:

- **Gmail:** Configure Google Workspace to handle email for your domain, adding the necessary MX records via Truehost's DNS settings or Olitt's platform or Cloudflare

7.4 Email Services with Domains

- **Zoho, Microsoft (Outlook):** Similar to Gmail, these services require specific DNS records for email routing.
- **Truehost Business Email:** Offers a full-featured business email solution
- **SPF, DKIM, and DMARC:** These are essential for email authentication to protect your domain from email spoofing and phishing.
- **SPF (Sender Policy Framework):** Defines which IP addresses can send emails on behalf of your domain.
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7.4 Email Services with Domains

- **DKIM (DomainKeys Identified Mail)**: Adds a digital signature to emails to verify the sender's authenticity.
- **DMARC (*Domain-based Message Authentication, Reporting & Conformance*)**: Specifies what to do with unauthorized emails (e.g., reject, quarantine).
- **Tools**
- You can use tools such as MXTOOLBOX to verify SPF, DKIM and DMARC records.

7.5 Third-Party Services Integration

- Integrating third-party services with your domain enhances functionality and security.
- **Cloudflare Setup for Domains:** Cloudflare acts as a CDN and DNS provider. To integrate your domain with Cloudflare, update your domain's nameservers to Cloudflare and manage your DNS settings through their dashboard.
- Cloudflare provides caching, performance optimizations, and protection against DDoS attacks.

7.5 Third-Party Services Integration

- **Ezoic Setup for Domains:** Ezoic is a platform for improving ad revenue and optimizing content delivery. You need to integrate your domain by adjusting DNS settings and linking Ezoic with your hosting provider, such as Truehost.
- **OLITT Setup for Domains:** OLITT offers domain and DNS management solutions.

7.6 SSL Certificates for Domains

- SSL certificates are critical for securing the connection between your users and your website.
- **Truehost SSL:** Truehost provides free SSL certificates for domains hosted on its platform through Let's Encrypt, as well as premium SSL options for more advanced security needs.
- **Cloudflare SSL:** Cloudflare also provides free SSL certificates when you manage your domain through their platform.
- For Cloudflare SSL to work, you must enable proxy.