

Module 4: Advanced Hosting Features

Advanced Hosting Features

1. Truehost Add-ons and Extra Features

Overview of Add-ons and Extra Features:

- Enhancing hosting packages with additional features and services to improve performance, security, and usability.

1. Backup Solutions:

- **Daily Backups:** Automatic daily backups to protect website data with easy restore options.
- **On-Demand Backups:** Option to manually initiate backups before making significant changes to websites or databases.

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2. Security Enhancements:

- **Web Application Firewall (WAF):** Shield websites from common web threats such as SQL injections, cross-site scripting (XSS), and DDoS attacks. Mod security is thus used.
- **Malware Scanning and Removal:** Tools for scanning websites for malware and potential vulnerabilities, with automated removal and alerts. Immunify 360 is thus used.

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3. Performance Optimization:

- **LiteSpeed Cache:** Integration of LiteSpeed Cache for improved website performance through server-side caching.
- **Image Optimization:** Tools to compress and optimize images for faster page load times without compromising quality. **Gzip** compression on cPanel can be enabled.

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4. SEO and Marketing Tools:

- **SEO Optimization Tools:** Features to improve website visibility on search engines, including SEO audits and recommendations.
- **Marketing Add-ons:** Integration with marketing tools like Google Analytics, email marketing platforms, and social media plugins.
- Attracta Seo Tools is thus used on cPanel.

2. CDN Integration with Truehost (e.g., Cloudflare)

What is a CDN (Content Delivery Network)?

- CDNs work by distributing website content across multiple servers globally to enhance speed and reliability.

Benefits of Using a CDN:

- **Faster Load Times:** By caching content closer to users, CDNs significantly reduce page load times, improving user experience.

2. CDN Integration with Truehost (e.g., Cloudflare)

- **Reduced Bandwidth Costs:** CDNs minimize the need for data transfer directly from the origin server, lowering bandwidth usage.
- **Enhanced Security:** CDNs provide security features like DDoS protection, bot mitigation, and SSL/TLS encryption.

Cloudflare Integration with Truehost:

- You can create an account at Cloudflare, point your domain to their nameservers.

2. CDN Integration with Truehost (e.g., Cloudflare)

The image shows a screenshot of the Cloudflare website homepage. At the top, the browser address bar displays "cloudflare.com". The navigation bar includes the Cloudflare logo, "Solutions", "Products", "Pricing", "Resources", "Partners", and "Why Cloudflare". On the right side of the navigation bar, there is a search icon, "Sign up", "Under attack?" (highlighted in orange), and "Log in". Below the navigation bar, there are two orange buttons: "Learn more" and "Start for free". The main content area is divided into two columns. The left column is titled "Control" with a key icon and describes regaining visibility and control of IT and security across on-prem, public cloud, SaaS, and the Internet. The right column is titled "Security" with a shield icon and describes improving security and resilience while reducing attack surface, vendor count, and tool sprawl. At the bottom, a diagram illustrates the "Connectivity Cloud" concept, showing a central cloud icon labeled "Connectivity Cloud" connected to "Users and Developers" (represented by a person icon), "Enterprise Networks" (represented by a building icon), "Public Clouds" (represented by a cloud icon), and "Public Internet" (represented by a globe icon).

cloudflare.com

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Regain visibility and control of IT and security across on-prem, public cloud, SaaS, and the Internet

Security

Improve security and resilience while reducing your attack surface, vendor count, and tool sprawl

Users and Developers

Enterprise Networks

Public Clouds

Public Internet

Connectivity Cloud

3. Application Hosting (Node.js, Python, PHP, Dotnet Apps, etc.)

Hosting Environments Supported by Truehost:

- **Node.js:** Hosting Node.js applications with support for various versions, npm packages, and process management tools (e.g., PM2)- PM2 Can be used on VPS via SSH.
- **Python:** Python application hosting, including support for popular frameworks such as Django and Flask, with options for Python version management.

3. Application Hosting (Node.js, Python, PHP, Dotnet Apps, etc.)

- **PHP:** PHP hosting with built-in support for multiple PHP versions, Composer for dependency management, and integration with popular frameworks like Laravel and CodeIgniter, Symfony
- **Dotnet (.NET):** Hosting for .NET applications with compatibility for various .NET Core versions, suitable for both web and API applications.

4. Truehost API for Developers - The Domain Reseller API

Introduction to Truehost API:

- Truehost's API offerings, focuses on the Domain Reseller API, which enables developers and resellers to automate domain management tasks.
- **Features of Truehost Domain Reseller API**

Domain Registration and Management: Programmatically register, renew, transfer, and manage domains using API endpoints.

4. Truehost API for Developers - The Domain Reseller API

- **WHOIS Lookup:** Perform WHOIS lookups to check domain availability or retrieve domain details.
- **DNS Management:** Automate DNS management, including nameservers management.

4. Truehost API for Developers - The Domain Reseller API

Getting Started with Truehost API:

- Accessing API Documentation: The guide for the API configuration is provided on the link below.
- <https://truehost.com/support/knowledge-base/how-to-setup-a-truehost-domain-reseller-module-in-your-whmcs-2/>
- <https://truehost.com/support/knowledge-base/how-to-install-whmcs-and-activate-truehost-domain-reseller-module/>