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WEB HOSTING WITH STATIC WEBSITE

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ABSTRACT

Web hosting for static websites is a streamlined and cost-effective solution that involves storing fixed files, such as HTML, CSS, JavaScript, and media, on a server to make them accessible online. Unlike dynamic websites, which rely on back-end databases and server-side scripts to generate content, static websites serve pre-rendered content, offering enhanced speed, security, and reliability. Static website hosting is ideal for projects that don't require real-time data processing or user interaction, such as blogs, portfolios, landing pages, and documentation sites. Hosting platforms range from traditional shared hosting providers to cloud-based solutions like Amazon S3 and Google Cloud, as well as specialized platforms like GitHub Pages, Netlify, and Vercel. These services provide easy deployment, scalability, and integration with Content Delivery Networks (CDNs) for faster global access. With its simplicity and low-maintenance nature, static website hosting has become a popular choice for developers and organizations seeking efficient, high-performance web solutions with minimal complexity.

Keywords: HTML, JAVASCRIPT, CSS.

I. INTRODUCTION

Web hosting for static websites is a service that allows individuals and businesses to store their website files—such as HTML, CSS, JavaScript, and images—on a server, making them accessible to users via the internet. Unlike dynamic websites, which rely on server-side programming and databases to generate content dynamically, static websites consist of fixed content that doesn't change unless manually updated. This simplicity makes static websites faster to load, more secure, and less resource-intensive. Static website hosting can be achieved through various platforms, including traditional shared hosting, cloud-based hosting solutions like Amazon Web Services (AWS) or Google Cloud, and specialized platforms like Netlify, GitHub Pages, and Cloudflare. These hosting solutions offer several benefits, such as improved performance due to faster content delivery and reduced costs compared to dynamic sites, making them ideal for personal portfolios, blogs, informational sites, and landing pages. Additionally, static websites often enjoy enhanced security since they don't rely on server-side logic or databases that could be exploited, and they require less maintenance overall. With the growing popularity of static site generators, which streamline the creation and deployment of static websites, more people and organizations are opting for this efficient and cost-effective approach to web hosting.

II. REQIUREMENTS

Hardware Requirements:-

1. Processor –1 GHZ
2. Minimum 2.00 GB RAM

Software Requirements:-

1. OPERATING SYSTEM:Linux,Ubuntu
2. Apache Server

III. OVERVIEW

Web hosting for static websites involves storing website files—such as HTML, CSS, JavaScript, and media—on a server and making them accessible to users on the internet. Unlike dynamic websites, which rely on server-side scripts and databases to generate content, static websites display fixed content that doesn't change unless

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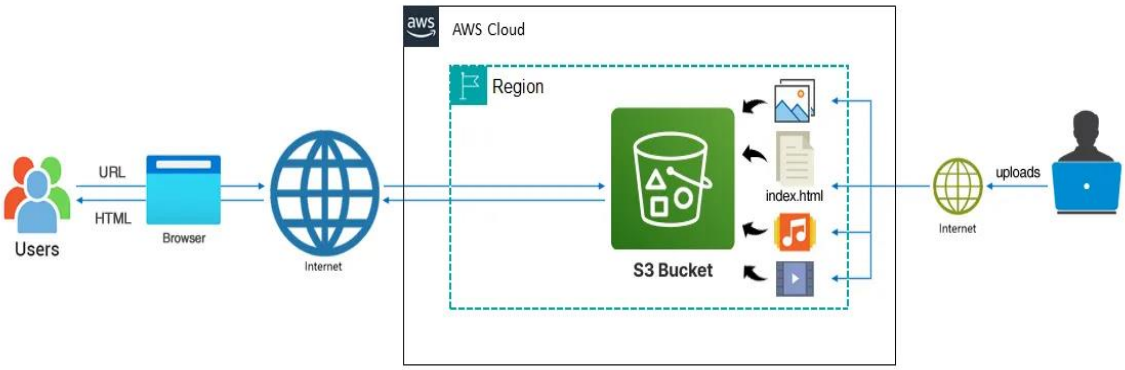
manually updated. This makes them fast, secure, and simple to host. Static websites can be hosted on various platforms, including traditional shared hosting services, cloud storage solutions like Amazon S3, and specialized hosting platforms such as GitHub Pages, Netlify, or Vercel. These services offer easy deployment, scalability, and low-cost hosting, often with features like global content delivery networks (CDNs) for faster load times. Static websites are ideal for projects that don't require real-time data processing, such as personal blogs, portfolios, landing pages, and documentation sites. Their simplicity and performance make static hosting a popular choice for many web developers and site owners.

IV. DIAGRAM

[4] The below figure represents the various stages how the data are passed to hacker as a person interact with keyboard.



V. CONCLUSION

In conclusion, web hosting for static websites offers a highly efficient, secure, and low-maintenance approach for hosting online content. Static websites, with their fixed files (HTML, CSS, JavaScript), do not require complex server-side processing, making them fast, cost-effective, and ideal for many types of projects, such as personal portfolios, blogs, and informational sites. Hosting options for static websites range from traditional shared hosting to modern cloud-based solutions like Amazon S3, Google Cloud, and specialized platforms such as Netlify and GitHub Pages, which provide robust performance, scalability, and ease of deployment. The use of Content Delivery Networks (CDNs) further enhances load speeds by distributing content across multiple locations globally. Static website hosting's simplicity and performance make it an excellent choice for both beginners and developers looking to maintain a reliable and efficient online presence without the need for complex infrastructure or frequent maintenance. As more tools and platforms emerge, static website hosting continues to grow in popularity, offering an ideal solution for many types of web projects.

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