United Institute of Technology

7145

PHASE – 4

Personal Blog using IBM Cloud Static Web App

- Blog Deployment process

(To deploy a personal blog using IBM services and security mechanism)

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Introduction:

To create an personal travel blog the relevant content must be created before the deployment. The relevant content includes experiences of different people about different places to which they traveled. All the details are clubbed together as a content for Personal Blog website.

The code in previous phase generates the output as below:
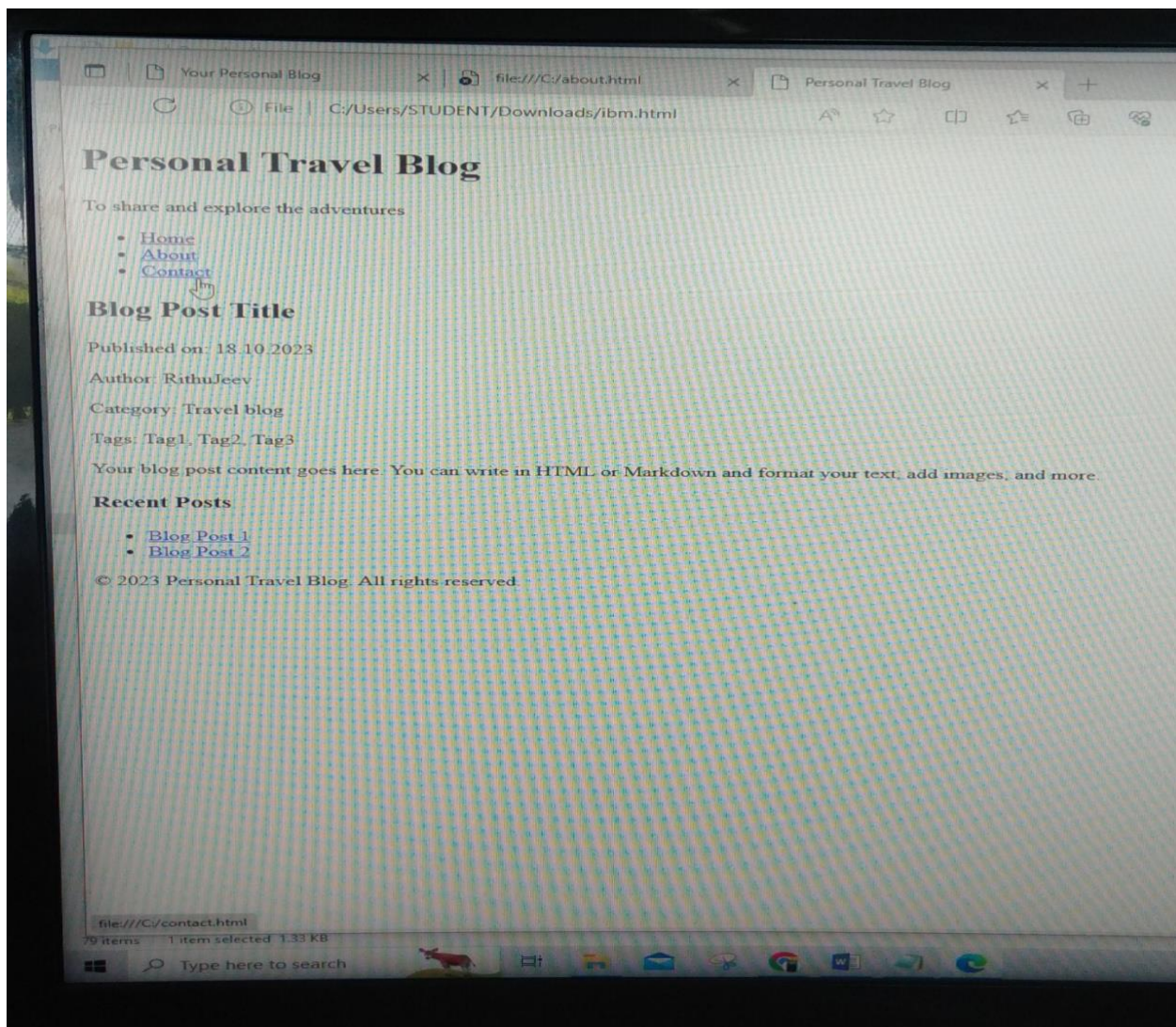
Code Explanation:

Overall, this HTML code defines the structure and content of a personal travel blog webpage, including the main blog post and navigation elements. The appearance and styling of the page will be influenced by the linked stylesheet.

IBM Cloud Static Web Apps is a service for hosting static websites and web applications securely on the IBM Cloud platform. Here's an explanation of the characters and security aspects of hosting a personal blog using IBM Cloud Static Web Apps:

1. **Static Content**
2. **Scalability**
3. **Global Content Delivery**

Security Features:

1. HTTPS:

IBM Cloud Static Web Apps supports HTTPS by default, ensuring data transmitted between your blog and visitors is encrypted and secure.

2. Authentication:

Set up authentication and authorization for the blog. This means we can control who can access certain parts of the blog or even make it private if needed.

3. Protection Against DDoS Attacks:

IBM Cloud provides protection against Distributed Denial of Service (DDoS) attacks, safeguarding your blog from potential disruptions.
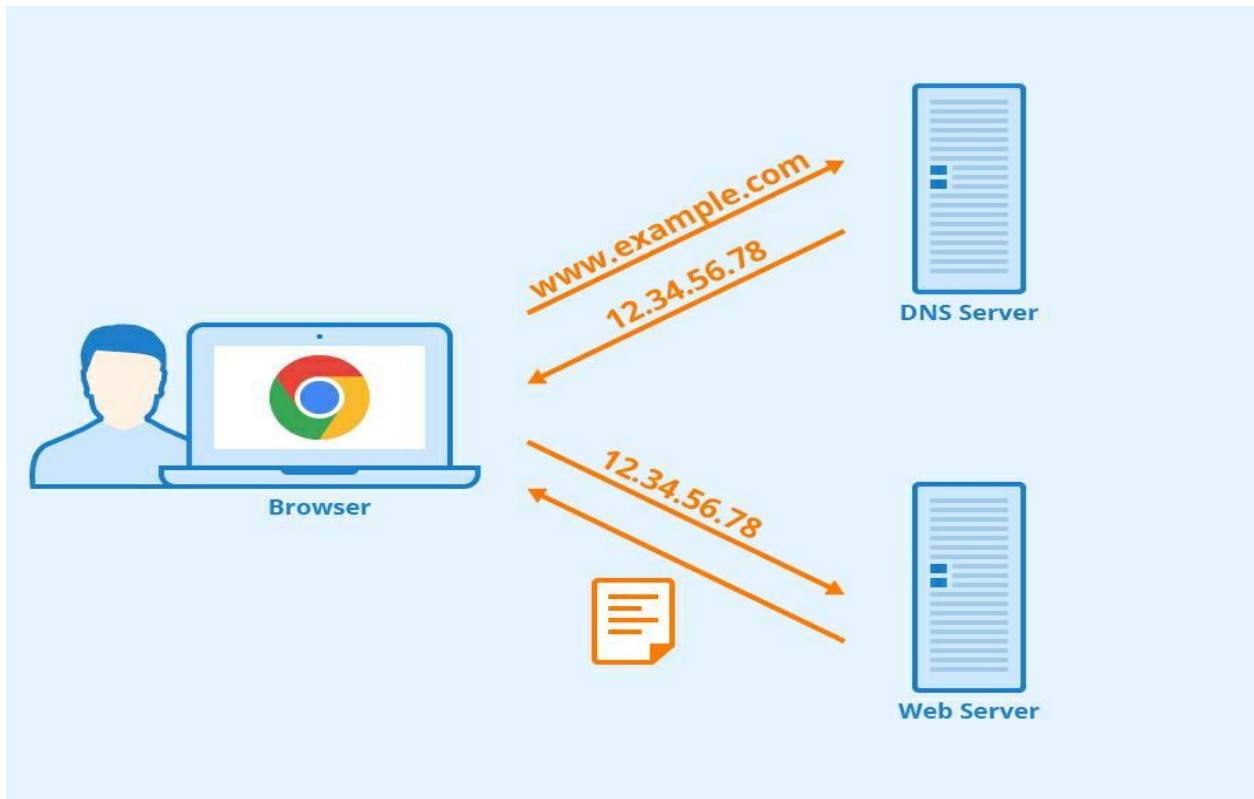
4. Static Files Security:

Ensure that the static files are properly secured and not accessible to unauthorized users.
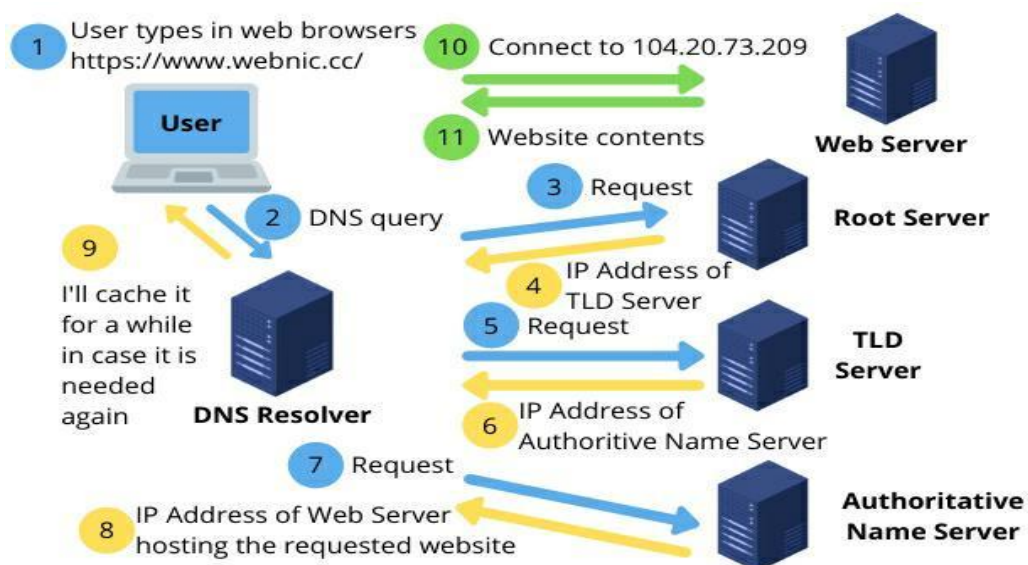
IBM Cloud Security Services

Features:

Web server:

Caddy responds to web page requests, and sends HTML pages back to the viewer. Caddy makes it incredibly easy to add encryption to all website traffic.

DNS provider:

Namecheap provides the routing information so that requests are translated into requests for the correct IP address.

Cloud provider:

Digital Ocean hosts the website files at an online-accessible IP address, such that anyone can see the files if they know where to look.

Here we used **IBM Cloud** cloud provider for creating personal travel blog.

Conclusion:

Creating a personal blog using IBM Cloud Static Web Apps offers a powerful and user-friendly platform for hosting and managing your content. With features like serverless

architecture, scalability, and seamless integration, it simplifies the process of building and maintaining the blog while ensuring a reliable and efficient online presence. Whether it's seasoned developer or a beginner, IBM Cloud Static Web Apps provides an excellent solution for sharing the ideas and stories with the world.