J.J.COLLEGE OF ENGINEERING AND TECHNOLOGY

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personal blog on IBM cloud static web apps

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CLOUD STATIC WEB APP:

➢ A cloud static web app is a web application that serves static web pages and assets (HTML, CSS, JavaScript, images) from cloud-based hosting services

➢ Cloud providers like AWS, Azure, and Netlify offer hosting for static web apps, providing scalability, reliability, and content delivery networks (CDNs) to ensure fast and efficient content distribution to users worldwide.

➢ IBM Cloud as a Static Web App. Leveraging the robust infrastructure of IBM Cloud, this platform ensures fast, reliable, and secure access to my thoughts, musings, and tutorials.

WORKING:

- ➤ IBM Cloud supports a range of different compute options for executing the programs that make up a cloud architecture, and each compute option has a collection of storage options available.

- ➤ **Content Creation**: You create your blog posts, articles, or other content. These are typically written in Markdown, HTML, or a similar format.

- ➤ **Static Site Generator**: You use a static site generator like Jekyll, Hugo, Gatsby, or others to convert your content into HTML and other static assets.

- ➤ **Cloud Hosting**: You choose a cloud service provider, such as AWS, Azure, Netlify or Vercel to host your static website.

- ➤ **HTTPS**: You enable HTTPS for your site, typically for free through services like Let's Encrypt, to secure data transmission between your site and your visitors.

- ➤ **SEO and Analytics**: You can implement SEO practices and integrate analytics tools like Google Analytics to track your blog's performance.

WORKFLOW:

CODE FOR PERSONAL BLOG:

```html
<!DOCTYPE  html>
<html>
<head>
    <meta charset="UTF-8">
    <title>My Personal Blog</title>
    <style> body {
        font-family: Arial, sans-serif;
        margin: 0;
        padding: 0;
        background-color: #f2f2f2;
    }
     header {
        background-color: #333;
         color: #fff ;
            text-align: center;
            padding: 20px;
        }
        h1 {
            margin:  0;
        }
        nav {
                background-color: #444;
        }
        nav ul {
                list-style: none;
             padding:  0;
                margin: 0;
                text-align: center;
        }
        nav li {
            display:  inline;
            margin: 10px;
        }
        .container {
            max-width: 800px;
            margin: 20px auto;
            background-=color: # fff;
            padding: 20px;
        }
        .post {
            margin-bottom: 30px;
        }
```

```html
    </style>
</head>
<body>
    <header>
        <h1>My Personal Blog</h1>
    </header>
    <nav>
        <ul>
          <li><a href="#">Home</a></li>
          <li><a href="#">About</a></li>
          <li><a href="#">Contact</a></li
        </ul>
      </nav>
      <div class="container">
          <div class="post">
            <h2>First Blog Post</h2>
            <p>Content of your first blog post goes here</p>
          </div>
          <div class="post">
            <h2>Second Blog Post</h2>
            <p>Content of your second blog post goes here</p>
           </div>
        </div>
</body>
</html>
```

EXPLANATION:

➢ This code includes a basic structure with a header, navigation menu, and two sample blog posts.

➢ You can expand the content and style according to your preferences.

➢ To create a more dynamic and feature-rich blog, consider using a content management system (CMS) like WordPress or a static site generator like Jekyll or Hugo.

➢ These tools provide more advanced features and flexibility for managing and customizing your blog.

CODE FOR CLOUD STATIC WEB APP:

```html
<!DOCTYPE html>
<html>
<head>
    <title>My Static Web Page</title>
    <link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
<header>
    <h1>Welcome to My Web Page</h1>
</header>
<nav>
<ul>
    <li><a href="/">Home</a></li>
```

```
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li>
    </ul>
</nav>
<main>
    <section>
        <h2>About Us</h2>
        <p>This is a simple static web page hosted in the cloud.</p>
    </section>
</main>
<footer>
        <p>&copy; 2023 My Web Page</p>
</footer>
<script src="script.js"></script>
</body>
</html>
```

EXPLANATION:

➢ In this html code you have a basic structure with a header, navigation, main content, and a footer.

➢ The CSS file is linked via the <link> tag.

➢ The JavaScript file is included at the bottom of the page.

➢ You can create your own styles.css and script.js files for styling and interactivity. Make sure to set up your bucket/container for static website hosting and configure permissions.

CONCLUSION:

➢ In conclusion, IBM Cloud Static Web Apps offer an efficient and reliable solution for hosting and managing your website.

➢ IBM Cloud Static Web Apps can simplify the hosting process, allowing you to focus on creating outstanding content and user experiences.

➢ Embrace the power of this platform to take your web projects to the next level and enjoy the benefits of scalability, flexibility, and a hassle-free deployment process.