

**United Institute of Technology**

**7145**

**PHASE – 3**

**Personal Blog using IBM Cloud Static Web App**

**- Blog Deployment process**

**( To deploy a personal blog using IBM services )**

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## **Steps to progress:**

### **Choose a Blogging Platform:**

There are several blogging platforms available like WordPress, Ghost, or Jekyll. Choose one that fits the requirements.

### **Purchase a Domain Name:**

Register a domain name for the blog. IBM also provides domain registration services.

### **Select IBM Cloud Service:**

IBM offers various cloud services like IBM Cloud Foundry or IBM Cloud Kubernetes Service. Choose the one that suits technical expertise and requirements. Sign up for IBM Cloud services on their website.

### **Set Up a Database (if required):**

If the blogging platform requires a database, set it up. IBM offers various databases like Db2 and MongoDB on its cloud platform.

### **Configure Web Server:**

Configure the web server (e.g., Nginx, Apache) if chosen platform requires it. IBM Cloud services might provide load balancers and other networking tools to assist with this.

### **Install and Configure Blogging Platform:**

Install chosen blogging platform on the server. Follow the platform-specific installation and configuration instructions. There might be needed to upload the blog files via FTP or through the cloud console.

### **Customize the Blog:**

Customize the blog according to the preferences. This includes choosing a theme, setting up categories, and configuring any necessary plugins or extensions.

### **Secure the Blog:**

Implement security measures such as SSL certificates for HTTPS, firewall configurations, and regular security updates to protect the blog from vulnerabilities.

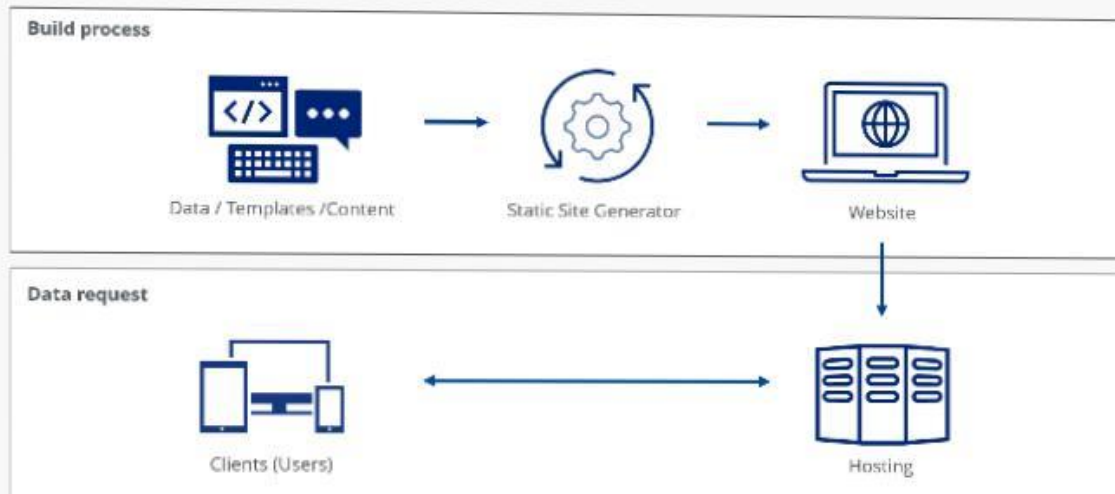
### **Backup and Monitoring:**

Set up regular backups of the blog and implement monitoring solutions to track its performance and uptime. IBM Cloud services might offer built-in monitoring tools.

### **Launch the Blog:**

Once everything is set up and configured correctly, launch the blog and make it accessible to the public.

## Static Site Generator: Functionality



### Program:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>Personal Travel Blog</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <header>
```

<h1>Personal Travel Blog</h1>

<p>To share and explore the adventures</p>

</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>

<article>

<h2>Blog Post Title</h2>

<p>Published on: 18.10.2023 </p>

<p><mark>Author: RithuJeev</mark> </p>

<p>Category: Travel blog </p>

<p>Tags: #adventures, #wonder, #travellife</p>

<p>

</p>

<a

href=[https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.nomadicmatt.com%2Ftravel-blogs%2Fbecome-successful-travel-blogger%2F&psig=AOvVaw1\\_OQFCuJ5maCIYtlk3998L&ust=1697697424953000&s](https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.nomadicmatt.com%2Ftravel-blogs%2Fbecome-successful-travel-blogger%2F&psig=AOvVaw1_OQFCuJ5maCIYtlk3998L&ust=1697697424953000&s)

[source=images&cd=vfe&ved=0CBEQjRxqFwoTCKCt6fP9\\_oEDFQAAAAAdAAAAABA](source=images&cd=vfe&ved=0CBEQjRxqFwoTCKCt6fP9_oEDFQAAAAAdAAAAABA)  
H>

</article>

<!--More blog posts go here →

</main>

<aside>

<h3>Recent Posts</h3>

<ul>

<li><a href="/blog-post-1.html">Blog Post 1</a></li>

<li><a href="/blog-post-2.html">Blog Post 2</a></li>

<!--List more recent posts here →

</ul>

</aside>

<footer>

<p>&copy; 2023 Personal Travel Blog. All rights reserved.</p>

</footer>

</body>

</html>