Phase 5

Personal Blog on IBM Cloud Static Web Apps

Objective:

The objective of the project is to create a travel blog using programming languages like HTML, CSS and Javascript and deploy the website in IBM cloud static web app.

Stucture of the website:

The travel blog is structured in narrative manner that includes details of experiences and information in a descriptive form.

It includes:

Header: containing the Home, Videos, and Map labels

Body: containing the various information about the place which includes description, photos, maps and tips for the journey.

Content of the Website:

The website includes the travel guide to Mahabalipuram, a place in Tamil Nadu. Every site located inside Mahabalipuram is explained in addition with pictures for better understanding. Tips to know before travelling is also included in this website. Moreover, Roadmaps to each destination is included for users' comfort.

Implementation:

The website is formatted using HTML and designed using CSS and JavaScript (refer Github repository for codes)

The website uses parallax method of movement to make in look more attractive.

It is deployed using the IBM cloud.

Creating a static web app and setting up the repository, build pipelines, and deployment options in IBM Cloud typically involves using IBM Cloud services like IBM Cloud Object Storage, IBM Cloud Continuous Delivery, and possibly a source code repository like GitHub

Step 1: Create a Static Web App Repository

1. Set up a Git Repository:

- You can use a platform like GitHub or GitLab to create a Git repository for your static web app.

- Push your static web files (HTML, CSS, JavaScript, images) to this repository.

2. Store Static Assets in IBM Cloud Object Storage:

- In the IBM Cloud dashboard, navigate to "Resources" and select "Storage" > "Object Storage."

- Create a new bucket to store your static assets. Upload your web files to this bucket.

Step 2: Set Up a Build Pipeline

1. Create an IBM Cloud Continuous Delivery Toolchain:

- In the IBM Cloud dashboard, go to "DevOps" and select "Continuous Delivery."

- Create a new toolchain by clicking "Create a Toolchain."

- Choose the "Develop a Cloud Foundry app" template.

2. Connect Your Git Repository:

- In the toolchain configuration, connect your Git repository to the toolchain. This will allow it to track changes and trigger the build and deployment process.

3. Set Up Build Stage:

- In the toolchain, add a "Build" stage. Configure it to build your static web app.

- Specify the build script, build artifacts, and any dependencies.

4. Configure Deployment Stage:

- Add a "Deploy" stage to the toolchain.

- Choose the target environment for deployment (e.g., Cloud Foundry, Kubernetes, or a custom server).

- Specify deployment options, like the target space or server details.

Step 3: Deploy Your Static Web App

1. Deploy Your Application:

- Once your build pipeline is set up, it will automatically trigger when you push changes to your Git repository.

- Your static web app will be built and deployed to your chosen environment in IBM Cloud.

2. Access Your Static Web App:

- After a successful deployment, you can access your static web app using the provided URL or domain.

Step 4: Monitoring and Maintenance

1. Set Up Monitoring and Logging:

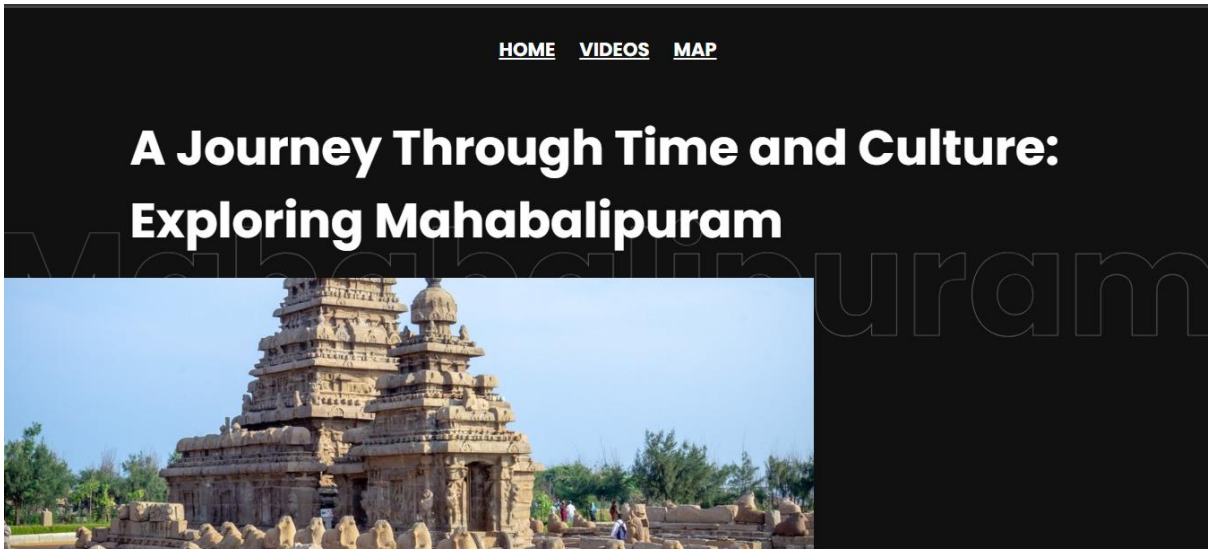
- Use IBM Cloud monitoring and logging services to track the performance and health of your static web app.

2. Maintenance and Updates:

- Continue to make updates to your web app by pushing changes to the Git repository.

- The build pipeline will automatically build and deploy the updates.

Screenshots:



Nestled along the eastern coast of India, Mahabalipuram, also known as Mamallapuram, is a destination that embodies a unique blend of history, culture, and natural beauty. This coastal town, located in the Tamil Nadu state, is renowned for its UNESCO World Heritage Sites, rock-cut temples, pristine beaches, and a vibrant arts and crafts scene. Exploring Mahabalipuram is not just a journey through time but also an immersion in the rich cultural tapestry of South India.

History

Shore Temple

Standing tall against the relentless waves of the Bay of Bengal, the Shore Temple is a magnificent testament to Pallava architecture. Built in the 7th century, this temple complex consists of three shrines, each dedicated to a different deity. The temple comes alive during sunrise and sunset, when the