# **Personal Blog on IBM Cloud Static Web Apps**

**Problem Statement:** Create a personal travel blog hosted on IBM Cloud Static Web Apps. Share the travel adventures, tips, and captivating photos with the world. Use IBM Cloud Static Web Apps to easily update the blog and document the journeys. Inspire others to explore the beauty of the world and forge unforgettable memories

**Aim:** To create a personal travel blog hosted on IBM Cloud Static Web Apps

**Steps:**

**Step 1: Plan for the website**

* The travel blog is formatted using HTML and designed using CSS and JavaScript.
* The website involves the beautiful travel destinations in and around Tamil Nadu with an excellent collection of pictures to make users like those destinations.
* The website will be designed to have a parallax scrolling technique to experience smoother and attractive way of scrolling.
* Since the website includes more tips about the place and great photos, it can provide much useful information to its user
* Linking the locations of the places through Google maps will also provide more help.

**Step 2: Create an IBM Cloud account**

* To create an IBM Cloud account, go to <https://cloud.ibm.com/login>
* Create an account by filling in the required details by the website

**Step 3: Create a toolchain for the new app**

* Log in to IBM Cloud.
* Navigate to the DevOps dashboard.
* Click Create a toolchain.
* Select the Develop a Cloud Foundry app toolchain.
* On the toolchain page, enter a name for the toolchain (usually the app name)
* For the Git Repos and Issue Tracking tool integration, select the Repository type of New, and enter a name for the new repo.
* Click Create. This will open up the toolchain's overview page.

**Step 4: Create a simple web page**

* On the toolchain's overview page, click the Eclipse Orion Web IDE. The Web IDE will open
* In the Web IDE, select File > New > File.
* The file is highlighted so that you can name it.
* Code the website

**Step 5: Create a manifest**

A manifest is a file that tells IBM Cloud how to deploy the application. It's possible to deploy using the launch configuration wizard in the Web IDE without creating a manifest, but we'll create a very simple manifest so that the app can be easily deployed using either the Web IDE or the CF Command Line tool.

* In the web IDE, select File > New > File.
* The file is highlighted so that you can name it. Enter manifest.yml.
* In the editor area on the right, paste the following:

applications:

- buildpack: https://github.com/cloudfoundry/staticfile-buildpack.git

host: simple-website-${random}

name: simple-website-${random}

memory: 64M

stack: cflinuxfs2

* Each line in the manifest provides important instructions to IBM Cloud about how to deploy the app.
* By default, in the delivery pipeline, the Deploy stage uses the app name specified in that stage. So, if when you run the pipeline, it says the URL is already in use, you may need to update the Application name field to also use a unique name

**Step 6: Deploy and open the app**

* In the web IDE, click the Deploy button. The application is now deployed to IBM Cloud.
* When the app is deployed, open it in a web browser by clicking the Open the application URL button
* The running website opens in a new window

**Step 7: Commit the changes to the Repo**

* Click on the Git icon
* On the commit page, enter a commit comment and click Commit.
* Click Sync to push the changes to the repo.
* After you sync the Git repo, the delivery pipeline automatically kicks off a new pipeline so the updated app will be deployed.