DOMAIN NAME:CLOUD APPLICATIONS DEVELOPMENT

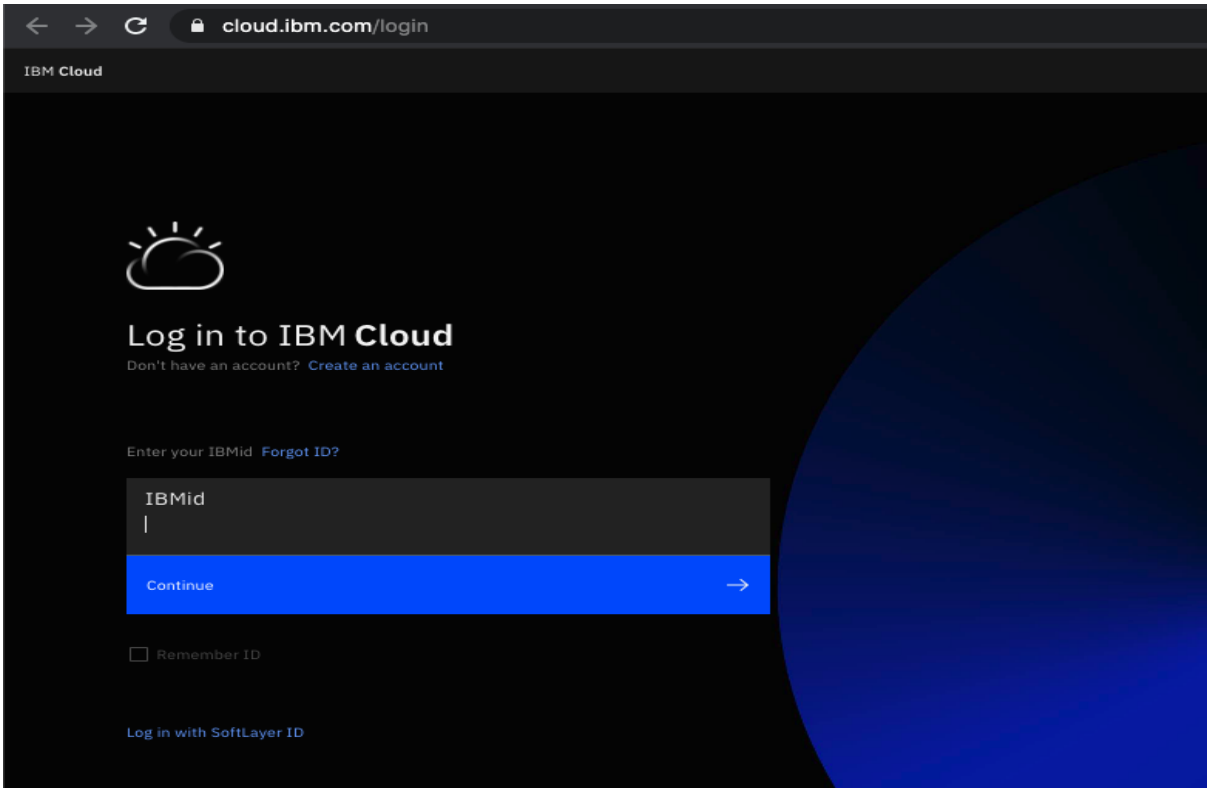
PROJECT NAME:CREATE BA PERSONAL BLOG ON IBM CLOUD STATIC WEB APPS

PROBLEM STATEMENT:

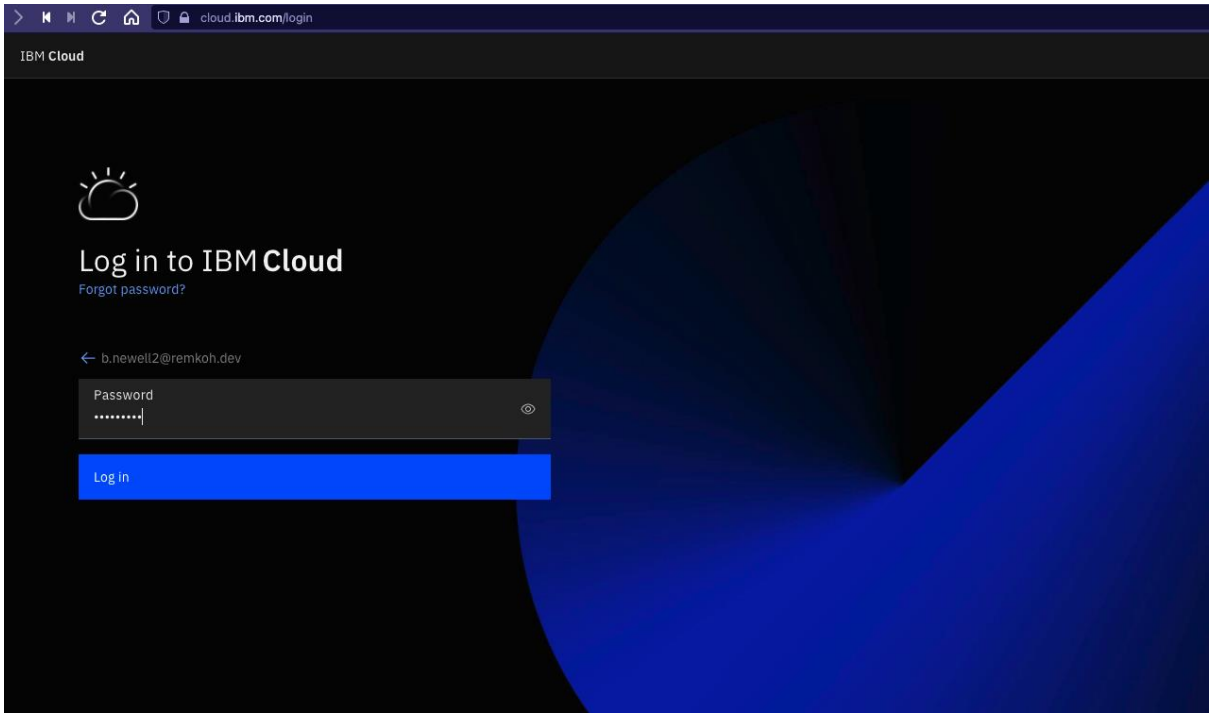
- Sign up for an IBM Cloud account.
- Create a new Static Web App and follow the prompts to set up the repository, build pipeline, and deployment options.
- Choose a static site generator like Jekyll or Hugo to make it easy to update and manage the blog content. This would involve converting your HTML content into template files that can be easily updated.

1.Signup For an IBM Cloud Apps :

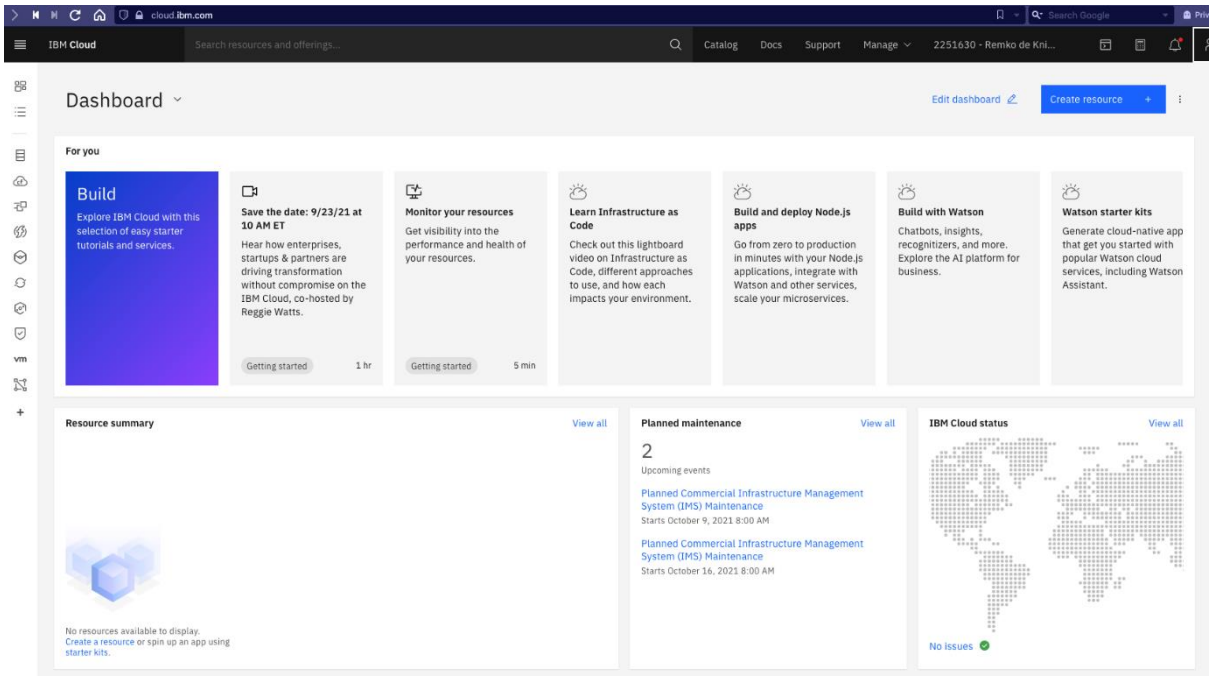
1. Open a web browser to open the IBM Cloud console at https://cloud.ibm.com/login.
2. When prompted, enter your IBM Id (the email ID you used to create the account above) followed by your password to login.



3. Click `Continue`,
4. When prompted for your password, enter your password,



5. Click Log in,
6. When successfully authenticated, the IBM Cloud Dashboard will load,



2.Create a new Static Web App and follow the prompts to set up the repository, build pipeline, and deployment options.

1.setup the repository

Image 1: Shows how to create a new repository in Netlify

Image 2: Shows how to add a repository in Vercel.

Image 3: Shows how to connect your GitHub repository to AWS Amplify

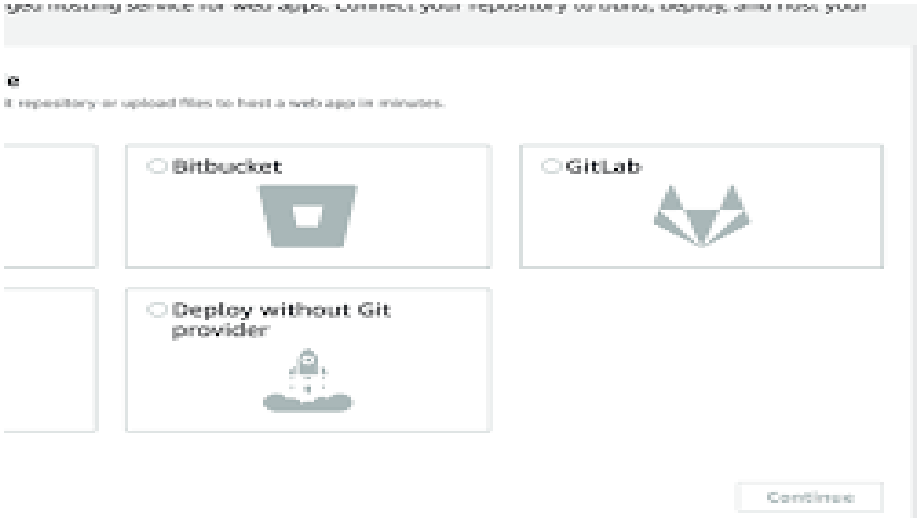


image 4: Shows how to deploy your static app to Azure Blob Storage.

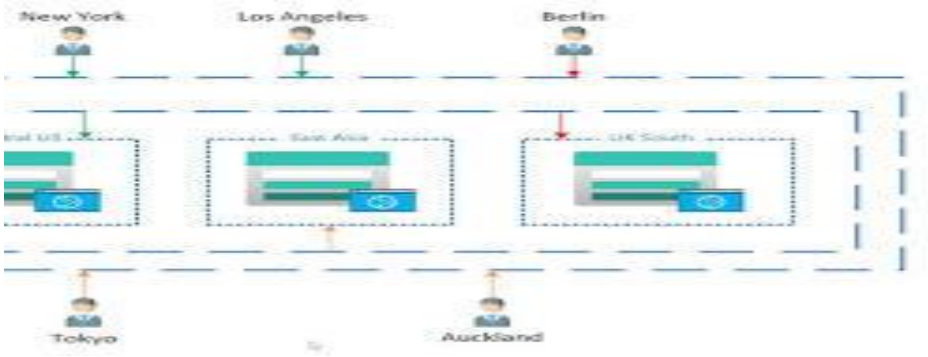
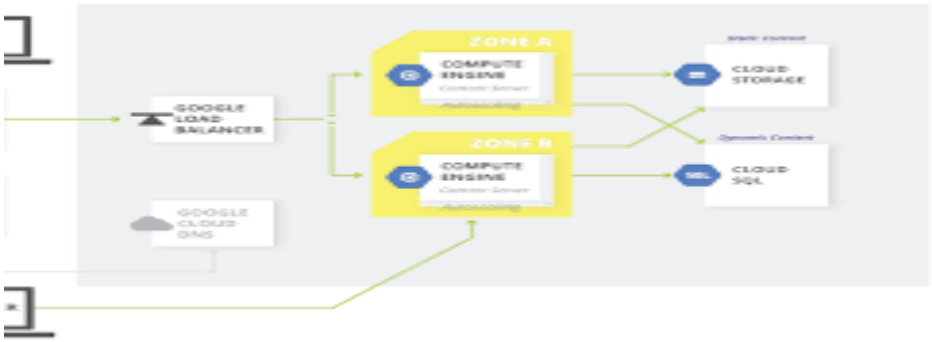


Image 5: Shows how to publish your static app to Google Cloud Storage.



2.Create A Pipeline

Creating a pipeline in Static Web Apps involves defining a workflow that automates the build, deployment, and testing of your static web application. The specific steps involved in creating a pipeline will depend on the Static Web Apps provider you are using, but the general process is similar across different platforms.

Code:

```
deploy:
needs: build
runs-on: ubuntu-latest
steps:
- name: Deploy to Netlify
uses: netlify/actions/cli@v2
with:
site_id: <YOUR_NETLIFY_SITE_ID>
deploy_key: <YOUR_NETLIFY_DEPLOY_KEY>
publish_branch: master
```

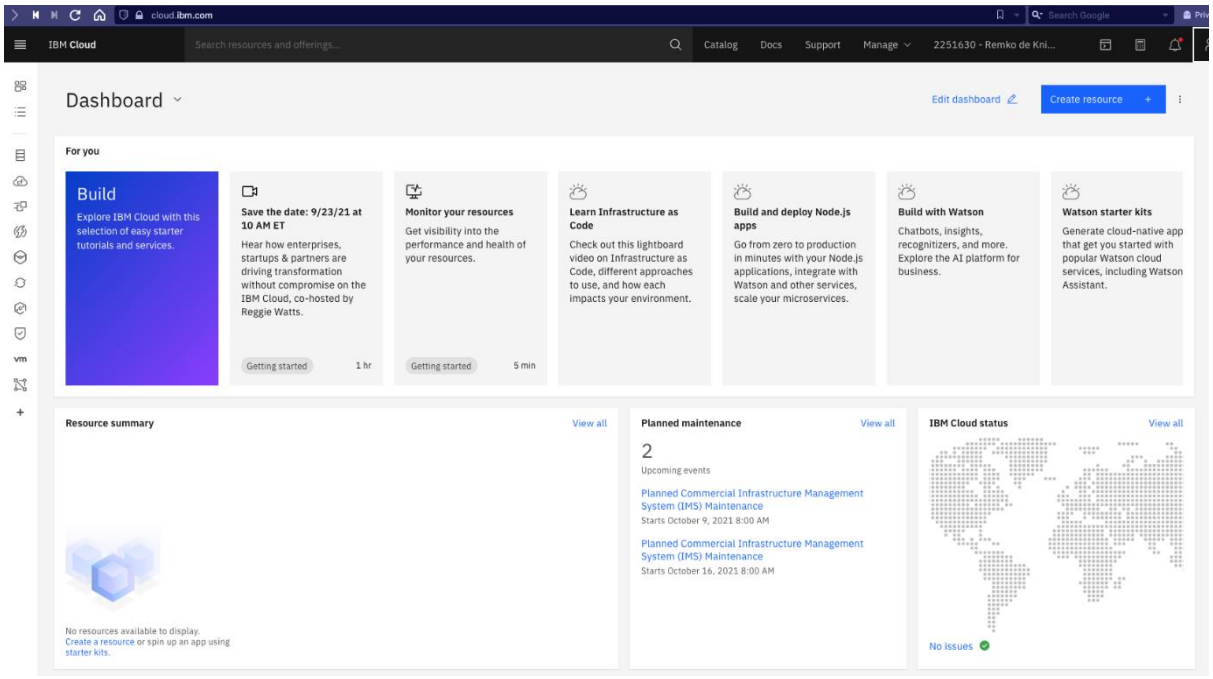
3.Deployment

```
name: Deploy Jekyll Site
  deploy:
    needs: build
    runs-on: ubuntu-latest
    steps:
      - name: Deploy to GitHub Pages
        uses: actions/github-script@v5
        with:
          script: |
            github.rest.actions.artifacts.upload({
              artifact_name: 'jekyll-site',
              repository: '${{ github.repository }}',
              branch: '${{ github.ref }}',
              name: 'jekyll-site',

              path: '_site',
            })
```

CONCLUSION:

static web apps in the cloud offer a number of advantages over traditional dynamic web apps. They are typically faster, more scalable, more secure, and more cost-effective. Static web apps in the cloud are a good choice for a variety of websites and web applications.



2. Create a new Static Web App and follow the prompts to set up the repository, build pipeline, and deployment options.