Vidyavardhaka College of Engineering

Autonomous Institute, Affiliated to Visveswaraya Technological University, Belagavi
Accredited by NBA, New Delhi (2017-18 to 2019-20) & NAAC with 'A' Grade Gokulam
3rd Stage, Mysuru - 570002, Karnataka, India

VVCE

2023-2024

REPORT ON:
"Building Cloud Native Applications"

Submitted by
Dhanush N [4VV21CS051]

Under the guidance of

Prof. Harshitha Suresh

Assistant Professor
Department of Computer Science & Engineering
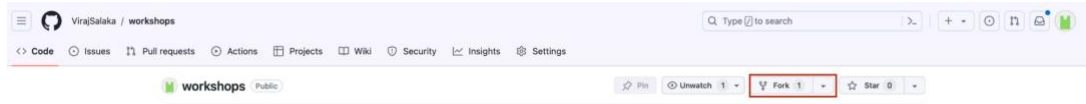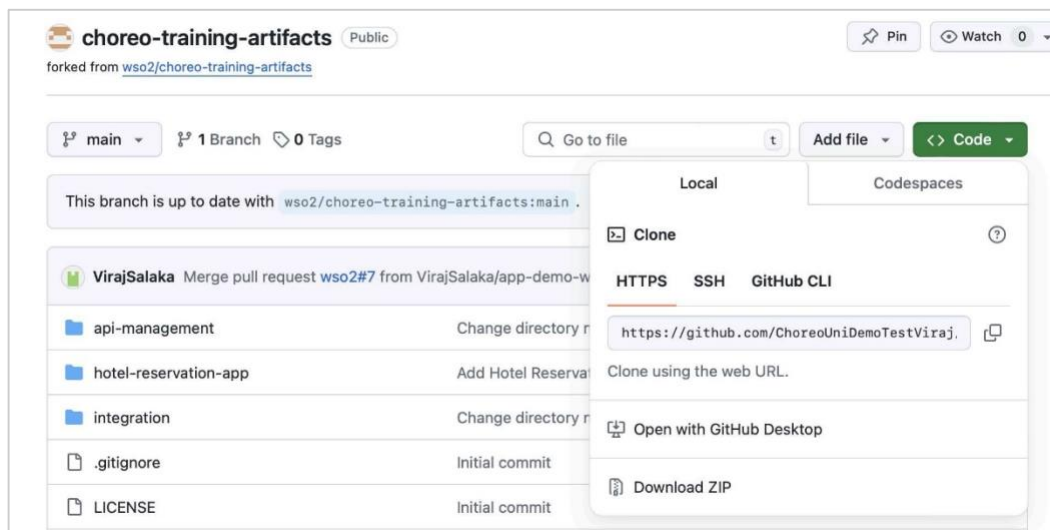VVCE, Mysuru

Detailed Steps:

Follow the steps below to deploy the Hotel Reservation System.

Step 1: Fork and Clone the repository

1. Go to https://github.com/wso2/choreo-training-artifacts and click on Fork repository.

2. To clone the repository, click the Code dropdown and copy the HTTPs URL that appears in the text box.

3. Run the following command in your terminal by adding the URL that you copied in the previous step.
   For Windows users. *Open git bash and run the command below.*

```
Unset
git clone <your_repository_url>
```

Step 2: Sign Up to Choreo

1. Sign Up to Choreo.

2. Once you log in to Choreo for the first time, you will be asked to create an organization. Provide a name for your organization and click Create.

   It should be a unique name across choreo. Hence if the provided name is invalidated by platform itself please change the name and retry it.

Choreo

Almost there!

Since you seem to be new to Choreo, let's createyOur
first organization.

kg choreounidemotest@gmoil.com

Not you? Log out

> //   choreO   unidemo_test_1

This value may occosionally be publiclyavailable.
Avoid adding Ony sensitive

I agree with the ^rivu y Palmy and
Terms O* Use

Create

More details at
wso2.com/chcreo

3. If you are willing to subscribe for new updates regarding choreo you can click Confirm.

Welcome to Choreo!

Don't miss—out on our latest updates and events

Send me prodLi?t uodctes, iesOr rces, Once event invites for horeo.

Our usage is always subject to our privacy policy

Decline   **Confirm**

4. In the region selector window, keep the default selected option as US. Then click Confirm.

Select Region
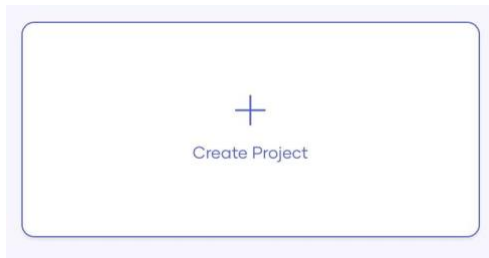
Select the cloud region to deploy your applications

US

Confirm

Step 3: Create a new Project

1. Click the Organization card in the top menu.

2. Click Create Project to create a new project.

3. Add the details shown below and click Create.

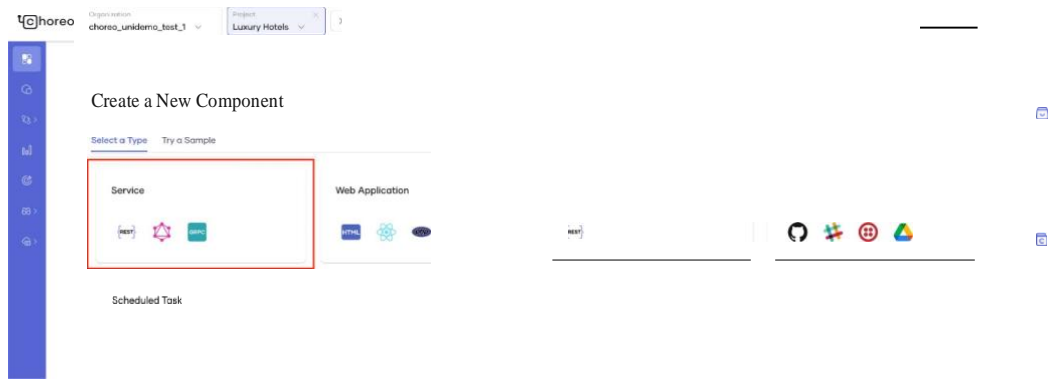| Field Name	Field Value
Name	Luxury Hotels

4. Once the project is successfully created, you will be directed to the overview of the project.

Step 4: Create and Deploy the Hotel Reservation Service

1. To deploy the backend NodeJS service, we will create a service component. On the component page, select Service.

2. Provide a name for the service component.

Field Name	Field Value
Component Display Name	Hotel Reservation Service

3. Click on the Authorize With GitHub button and click Authorize Choreo.dev.

4. Expand the Select your organization section and click +Add.

GitHub   Bitbucket   Container Registry

Organization   ↻

+ Add

5. Select All repositories, then click Install & Authorize.

Install & Authorize Choreo.dev

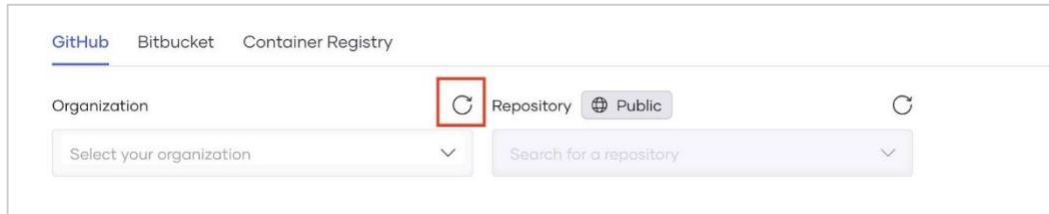Install B Authorize on your personal account ChareoUniDemoTestViraj

for these repasitories:

O   All repositories
    Thls applies to aT' futuie Ieposlfories cwlJed by the rescurce owlver.

with these permissions:

"   Read access to issues and metadata

    Read and write access to code, pull requests, and repository

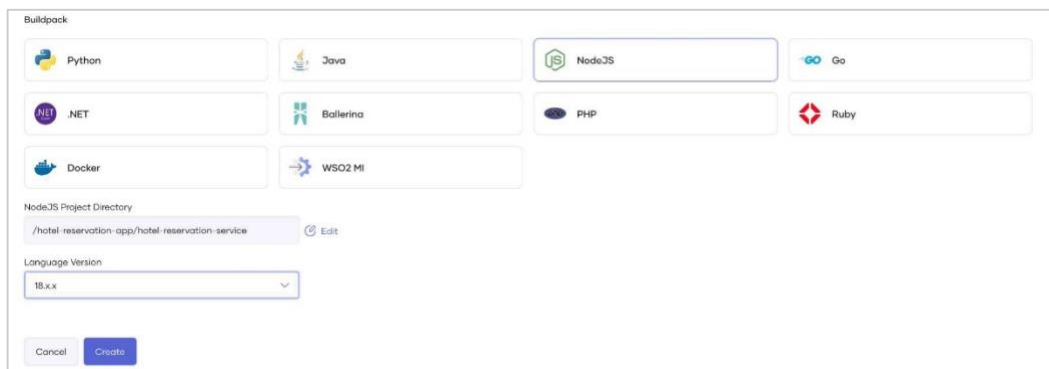6. Click the refresh icon next to Organization.

7. Select the relevant organization and select the choreo-training-artifacts repository. The branch will be automatically selected as main.

8. Select NodeJS as the Buildpack and set the Project Directory as below. Then click Create.

Field Name	Field Value
NodeJS Project Directory	/hotel-reservation-app/hotel-reservation-service
Language Version	18.x.x

9. Your component will now appear in the component listing. Click on the component to proceed.
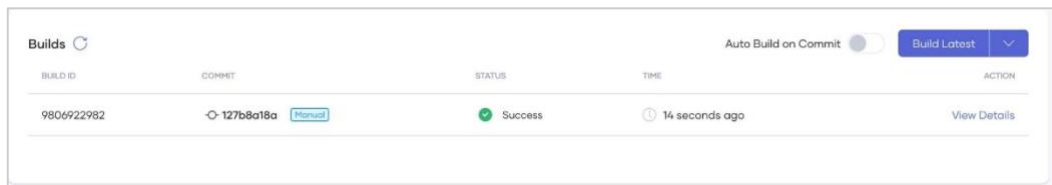

10. Now that the component is successfully created the next step is to build the code. Navigate to the Build page from the left navigation menu.
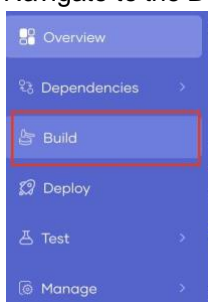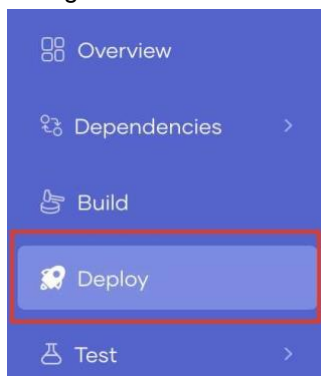
11. Click Build Latest to build the latest commit of the code. This process will take a few minutes.

Once the build is completed, the status will show as Success.

12. After a successful build the next step is to deploy the service. Click Deploy on the leftnavigation menu.

13. In the Deploy page, click Configure & Deploy.