

IBM Bluemix-Eclipse IDE Integration

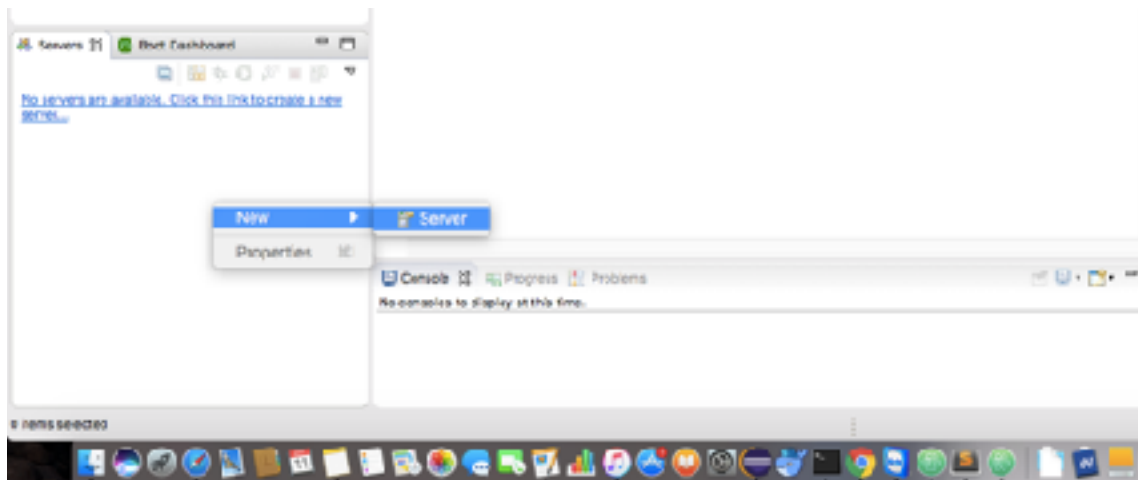
Step 1 : Install IBM blue mix tools in Eclipse IDE

Go to **Help —> Eclipse Marketplace**

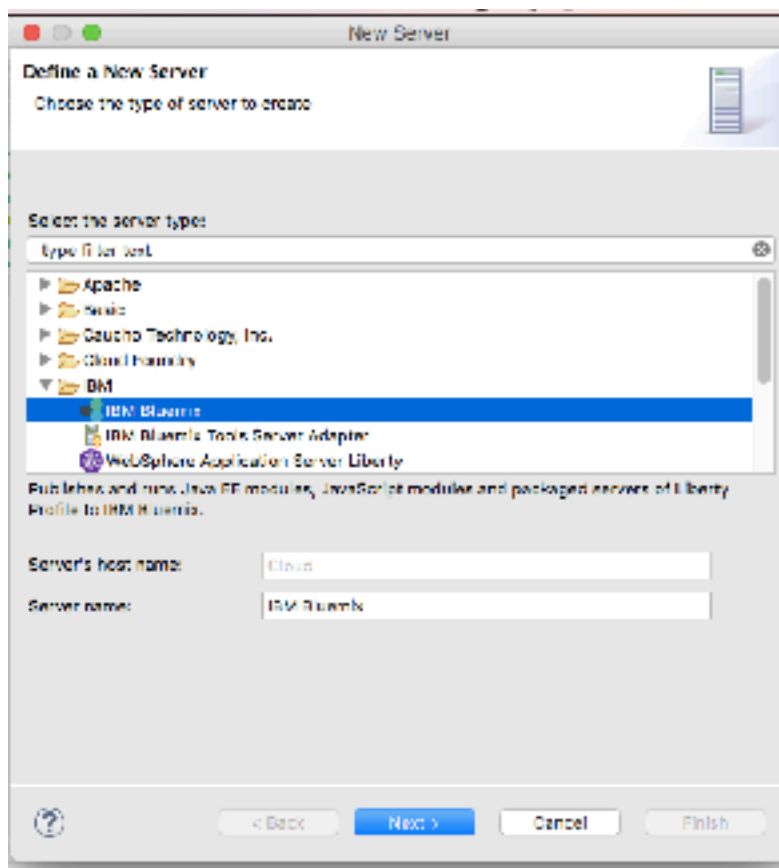
Step 2 : Search for IBM blue mix and install below software IBM Eclipse tools for Bluemix for Neon:



Step 3: Once Software is installed. Restart the Eclipse IDE and create a new server



Step 4: Choose **IBM** —> **IBM Bluemix** as below:



Step 5: Click on Next and enter the IBM Bluemix account credentials

New Server

IBM Bluemix Account

Press "Validate Account", "Next", "Finish" to validate credentials.

Account Information

☐ Use a one-time password to login (SSO)

Email:

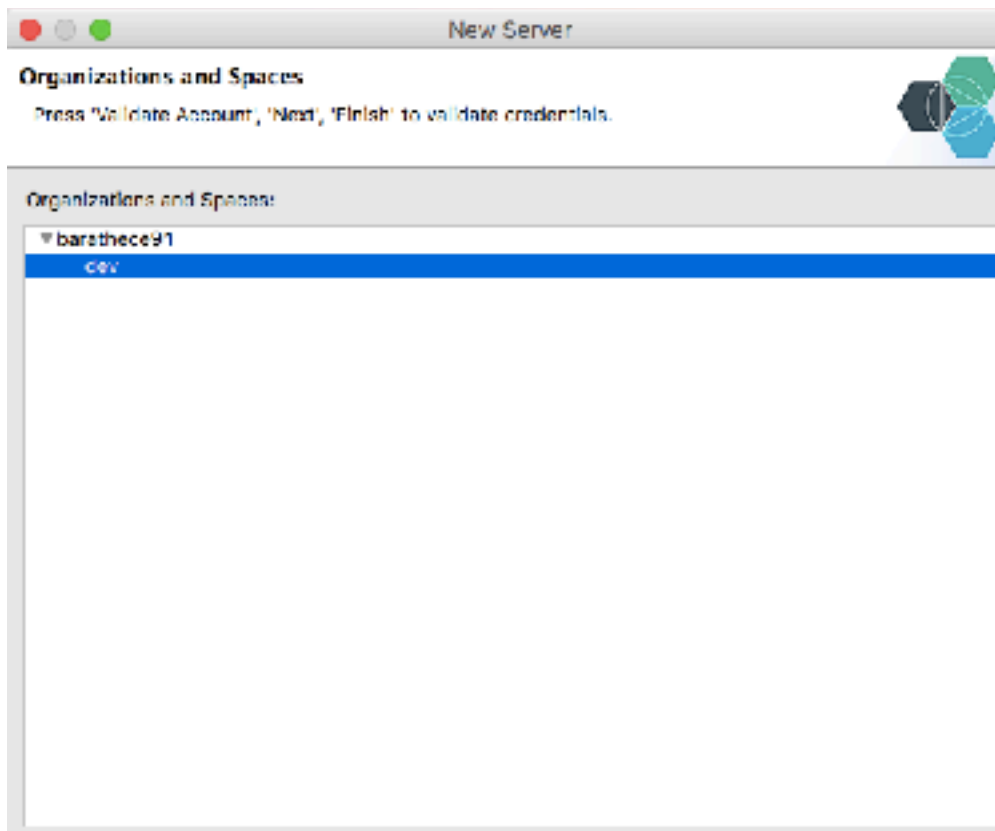
Password:

URL:
 [Manage Cloud...](#)

[Validate Account](#) [Register Account...](#) [Sign Up](#)

[?](#) [Back](#) [Next >](#) [Cancel](#) [Finish](#)

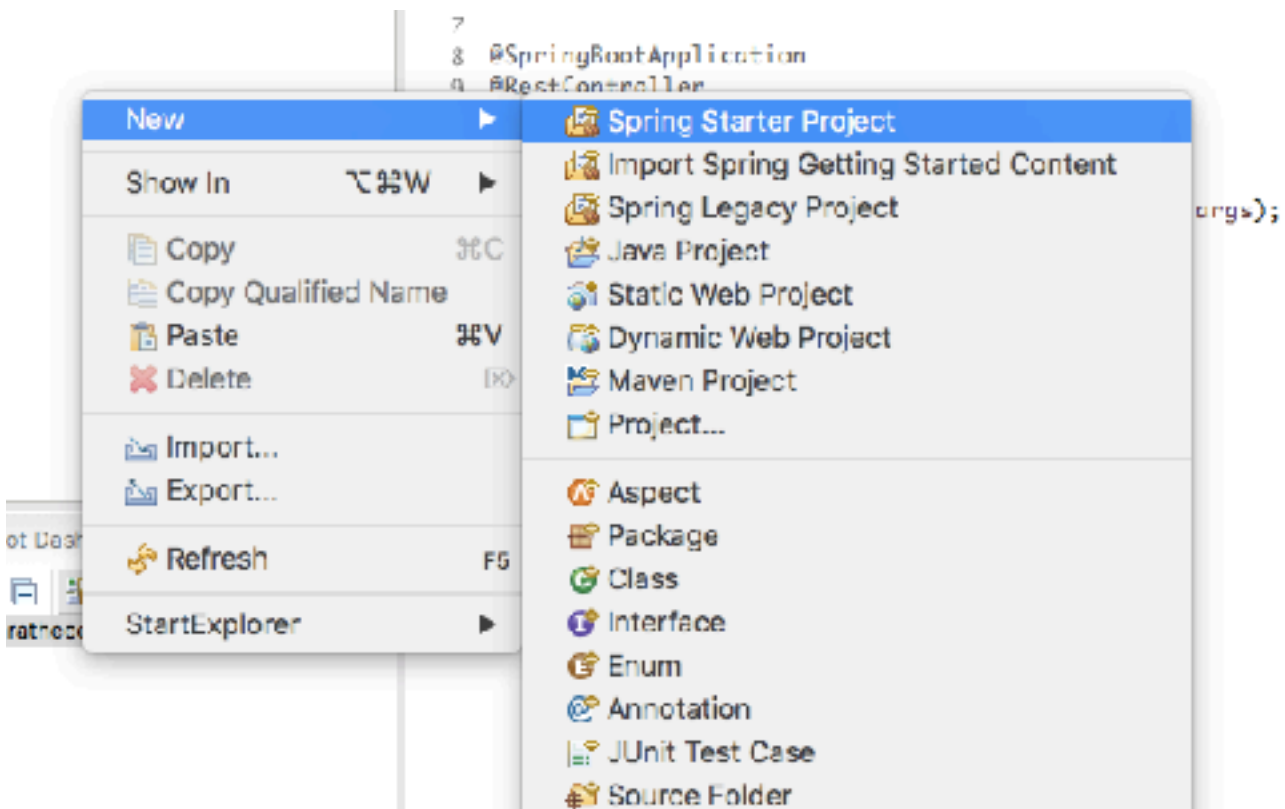
Step 6: Click on validate to validate the account . Click on next to choose the space to work with as below :



Step 7: Once the space is chosen. Click on finish to set up the cloud server

Step 8 : Create a simple spring boot application by clicking on

New → Spring Starter Project



Step 9: Create a simple controller to test the application in the main class .

@SpringBootApplication

@RestController

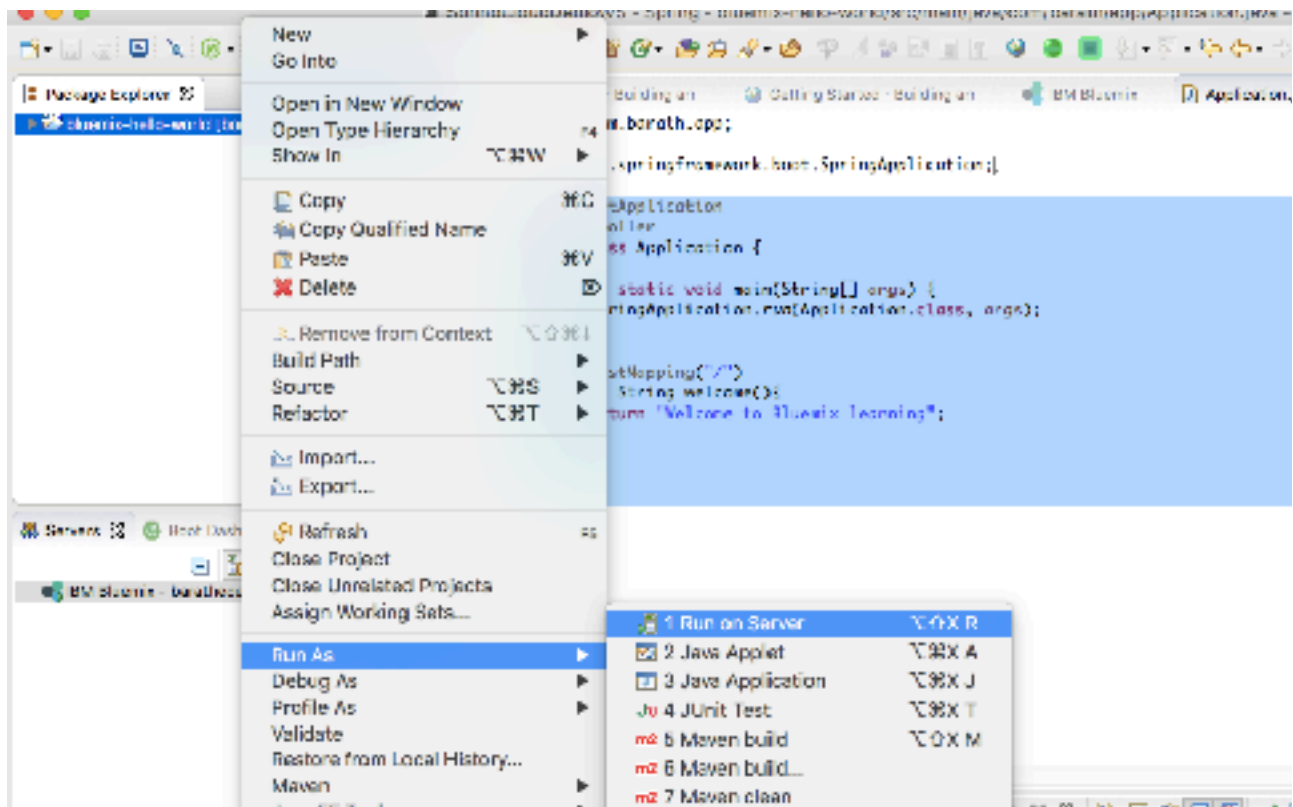
public class Application {

```
    public static void main(String[] args) {  
        SpringApplication.run(Application.class, args);  
    }
```

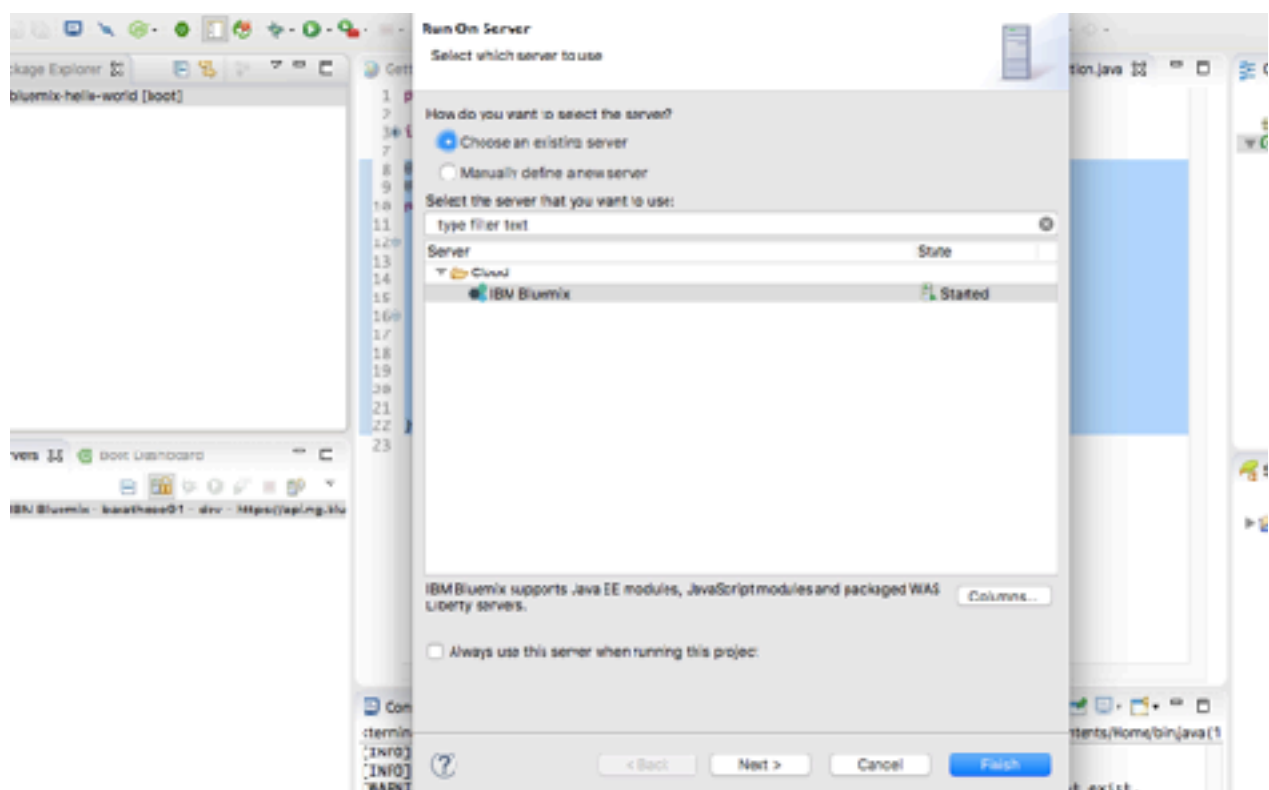
```
    @RequestMapping("/")  
    public String welcome(){  
        return "Welcome to Bluemix learning";  
    }
```

}

Step 10 : For example : In this case I have created a bluemix-hello-world project . Once done ,
Right click on the project → Run as → Run on server

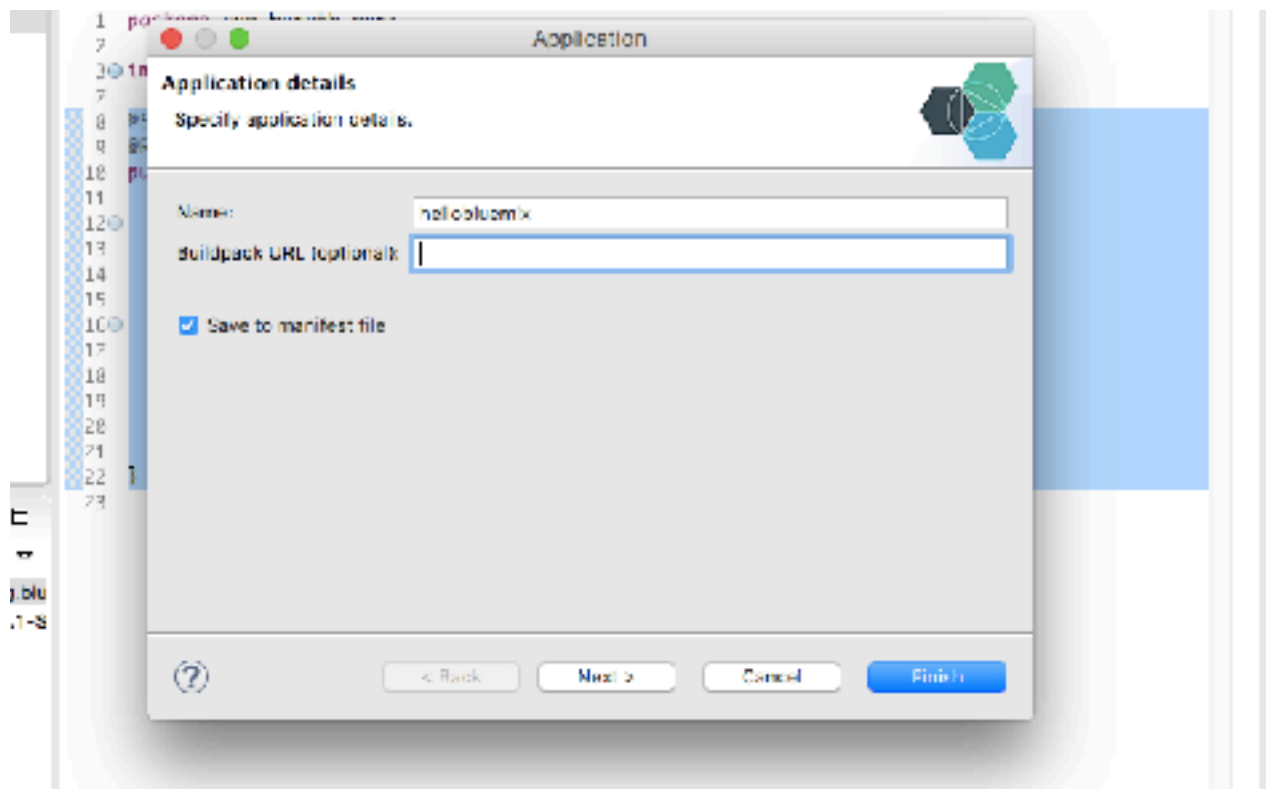


Step 11 : Select IBM Bluemix server s below and deploy the application by clicking finish button

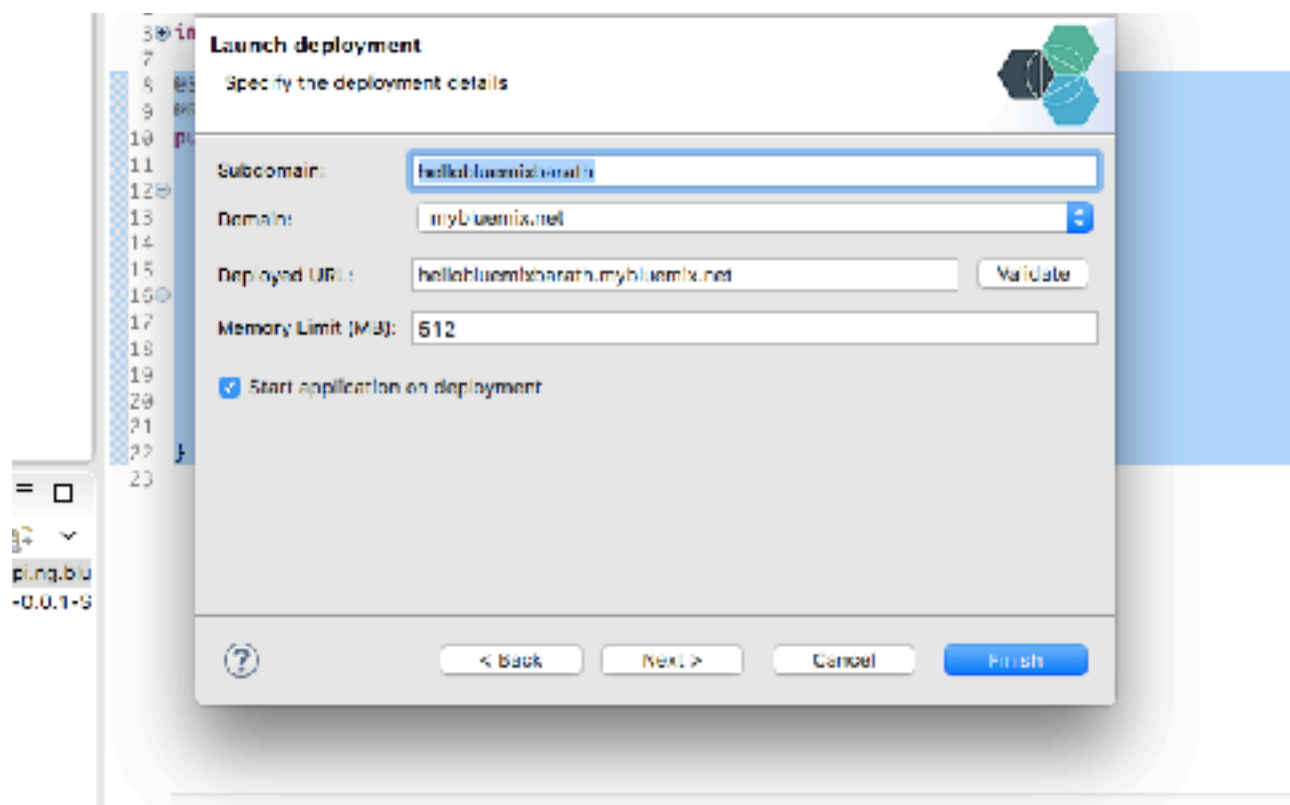


Step 12 : Provide the application details as below :

enter the application name and build pack is optional. Click on save manifest file as it will act as reference for building other applications.



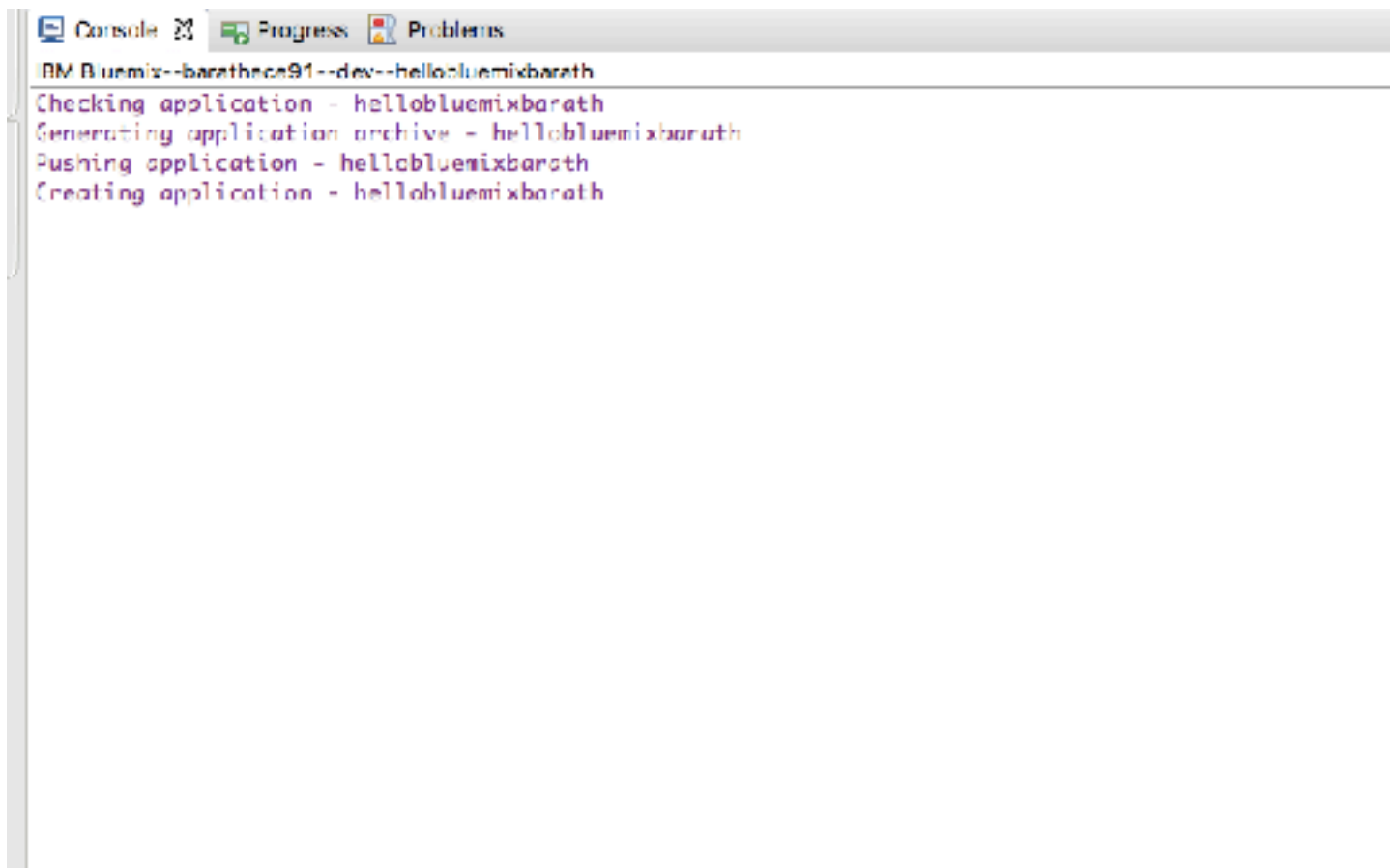
Step 13: Click on Next button and verify the details displayed :



Note: if it displays error that the name of the application is already taken, try entering different name that is available.

Step 14: Click on finish to deploy the application .

Application will get staged and get deployed to IBM blue mix cloud and we can view the staging logs in the Eclipse console like below :

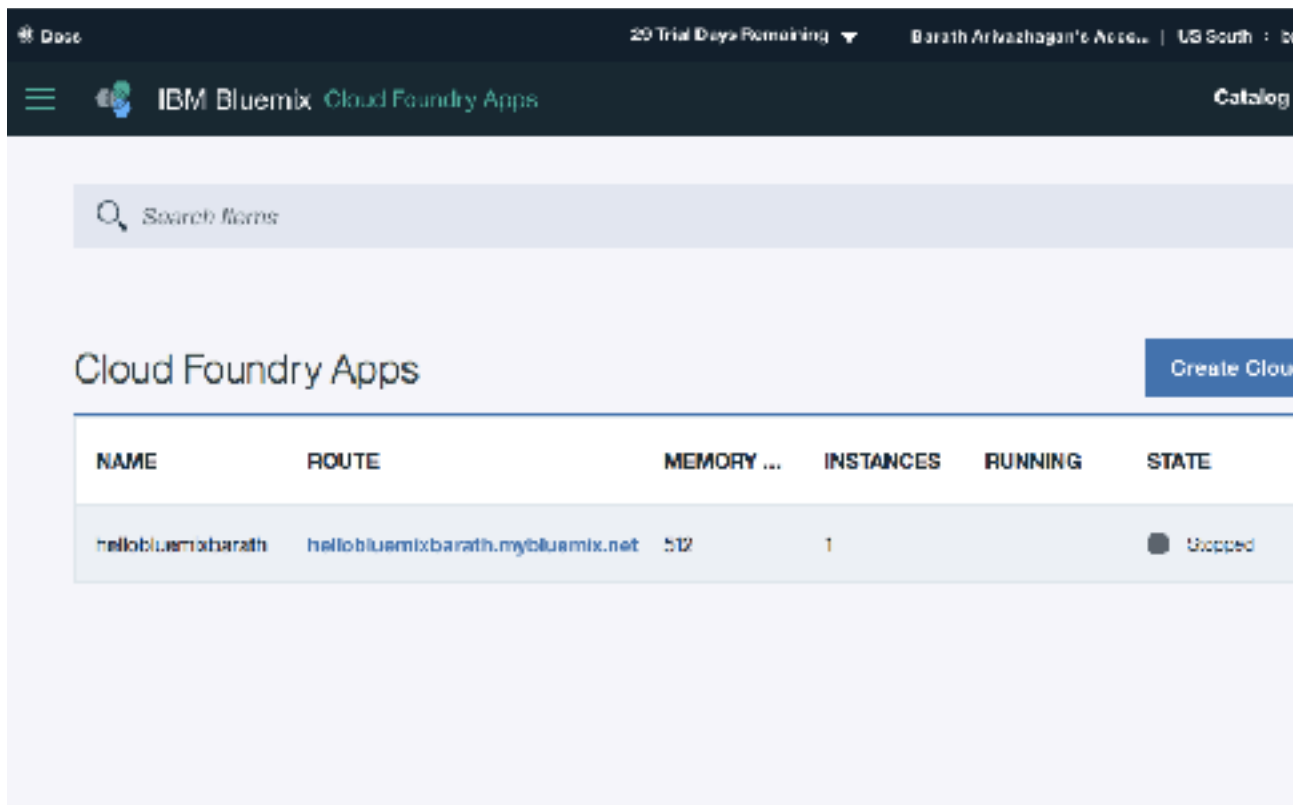


```
IBM Bluemix--barathce91--dev--hellobluemixbarath
Checking application - hellobluemixbarath
Generating application archive - hellobluemixbarath
Pushing application - hellobluemixbarath
Creating application - hellobluemixbarath
```

Step 15: Login into Bluemix account with the credentials

<https://console.au-syd.bluemix.net/>

Once Logged in, we can view the application deployed :



IBM Bluemix Cloud Foundry Apps

Search Apps

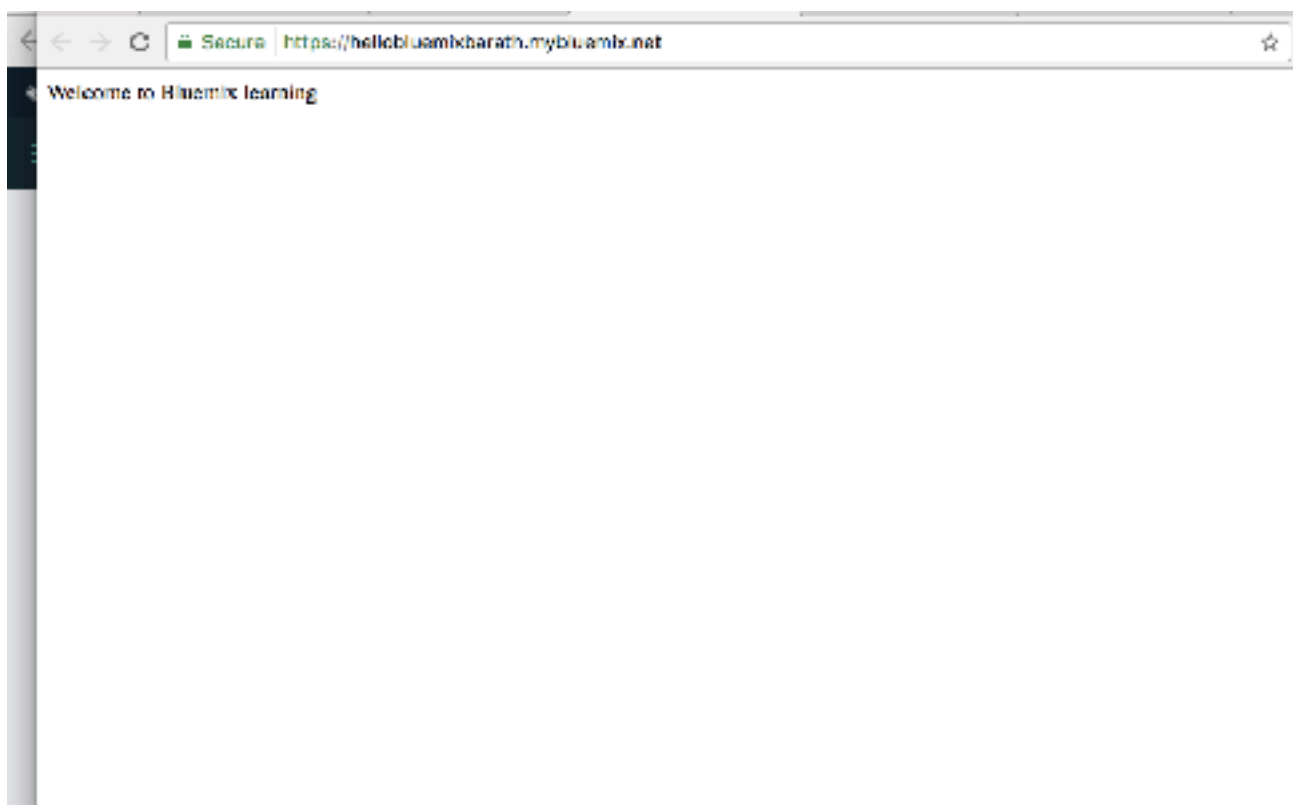
Cloud Foundry Apps

Create Cloud

NAME	ROUTE	MEMORY ...	INSTANCES	RUNNING	STATE
hellobluemixbarath	hellobluemixbarath.mybluemix.net	512	1		Stopped

Step 16: Test the application by clicking on the route :

In this case : <https://hellobluemixbarath.mybluemix.net/>



Welcome to Bluemix learning

