WEB API Cloud Procedure:

***AZURE CLOUD:***

**Web App Creation:**

1. Log in to Microsoft Azure Account
2. Go to “App Services”Category, Click “Add”
3. Use search & Check for “Node JS Empty Template” and click “Create”
4. Fill the details like

* App Name
* Subscription
* Resource Group
* Choose App Service Plan
* Application Insights – Based on Traffic level
* Check “Pin To Dashboard”
* Click “Create”

1. Hence the Web Application with desired Node JS Template created successfully.
2. Find your App on Dashboard open it and you can

* Status: Running
* Host Name: <http://wages.azurewebsites.net>
* Browse it then it displays a Default page since as of now no source code available.

1. Go to Application Settings option in App Service
2. Check the path in Virtual Applications at the Directory level

* Site:\www.root\
* It depends on the website so that it can be modified in future as per the routing.

1. Here most attractive thing in App Service is we can create a “Custom Domain”

* For that Go to “Custom Domain” category and enter the Domain name as your own choice.
* Make it saved for sure.

1. Hence, a Web App with Node JS template is created successfully.

**Deployment:**

**Source Control: GIT BASH (Latest Version)**

**GIT Integration with Azure App Service:**

1. Download latest version of GIT Bash and install it completely so that it will create a shortcut on desktop.
2. Make sure that you are with Latest Source Code from the client.
3. Create a new folder and copy the source code into it.
4. Open Git Bash and go to folder level of project and initialize Git there

* For that use “git init”
* Hence Git creates a repository there for the project.

1. It’s time to bind your local repository with the Azure cloud

* Open App Service in Azure Portal
* Go to Deployment options
* Choose Data Source as “Local Git Repository”
* Click “OK”

1. Once local git binded with Azure Data Source, it will assign some credentials with a URL which are the default Git Bash credentials.
2. You can check them at Deployment Credentials option from the portal.

* User Name: will be active state
* Password: Hidden state for security reasons.
* So you can change it by “Reset Password” option available at the same place.

**GIT Deployment Stage:**

1. In order connect to remote azure with GIT for pushing the data into Azure we need a remote URL that will be GIT URL.
2. We can get it from App Service properties option.
3. Copy it to clipboard and make it available for some time in order to use it for pushing the Data to App Service.
4. It’s time for some basic GIT commands in order to push the data to Azure

* git add –A for adding all the files to GIT
* git commit –m “custom message” for saving or committing the added files
* git remote add azure “remote git URL” to connect GIT with Remote Azure
* git push azure master final stage of deployment.

1. After the completion of process through GIT, if everything went fine GIT displays a confirmation message

“Deployment Completed Successfully”

1. Else it will push back with error list and display

“Deployment Completed with Errors” with the App Service Domain Name as URL

1. Then Go back to portal and open your App Service and click browse.
2. Hence if the source code deployed successfully it will display the related Dashboard with domain name as URL
3. Finally the App Service should work as per the logic mentioned in the project...
4. Hence, the Deployment process completed successfully.