**Angular DotNet Core Full Stack Web Application deployed to Azure PaaS**

**By Batch 8**

The deployment of the full stack web app to the Azure PaaS involves three major steps:

1. **Creating a storage account and importing the database on azure SQL Server**

* The database is exported with schemas and all tables from SQL Server Management Studio to a storage account on Azure as a BACPAC file.
* After the BACPAC file was uploaded to the Azure Storage account’s Blob container, the Azure SQL server was created and the database was imported by selecting the BACPAC file in the storage account.
* After the database is successfully imported to Azure SQL Server and open the Connection Strings in the Azure Database to connect to Web API.

1. **Deploying .Net Core Web API on azure app service and API Management**

* Before publishing the web API, the connection string in “appsettings.json” should be changed to the connection string of the Azure SQL database which we acquired.
* To publish the Web API from Visual Studio to the Azure App Service, right click over the project file and click the publish option.
* Then we can sign-in to our Azure account and create an Azure App Service and all the required configurations are done.
* The Dot Net Core Web API is now deployed on Azure. And we can access the API using the URL present on the Azure portal in the app service.

1. **Deploying Angular frontend Web App to azure app service**

* Before deploying Web App to the Azure Web App Service, we have tochange the base API URL in the shared services to the azure web API URL.
* The Dist folder can be created using the command ng build --configuration production.
* Then in VS code, the Azure App Service extension is installed, and the Azure App Service is created on Azure.
* The dist folder is deployed to Azure App Service. After completion of the deployment, the URL of the frontend should be added to the CORS of the web API so the frontend would be allowed to make requests.
* We can open Web App URL from the App Service and now deployment of the full stack App to the Azure PaaS is completed.