Lab 1: Getting started with the Azure Api application

In this lab, you will get started with Azure Api Apps. At the end of this lab you will have a Api application build on .Net Core secured with Azure Active Directory.

To get that far we will perform the following actions:

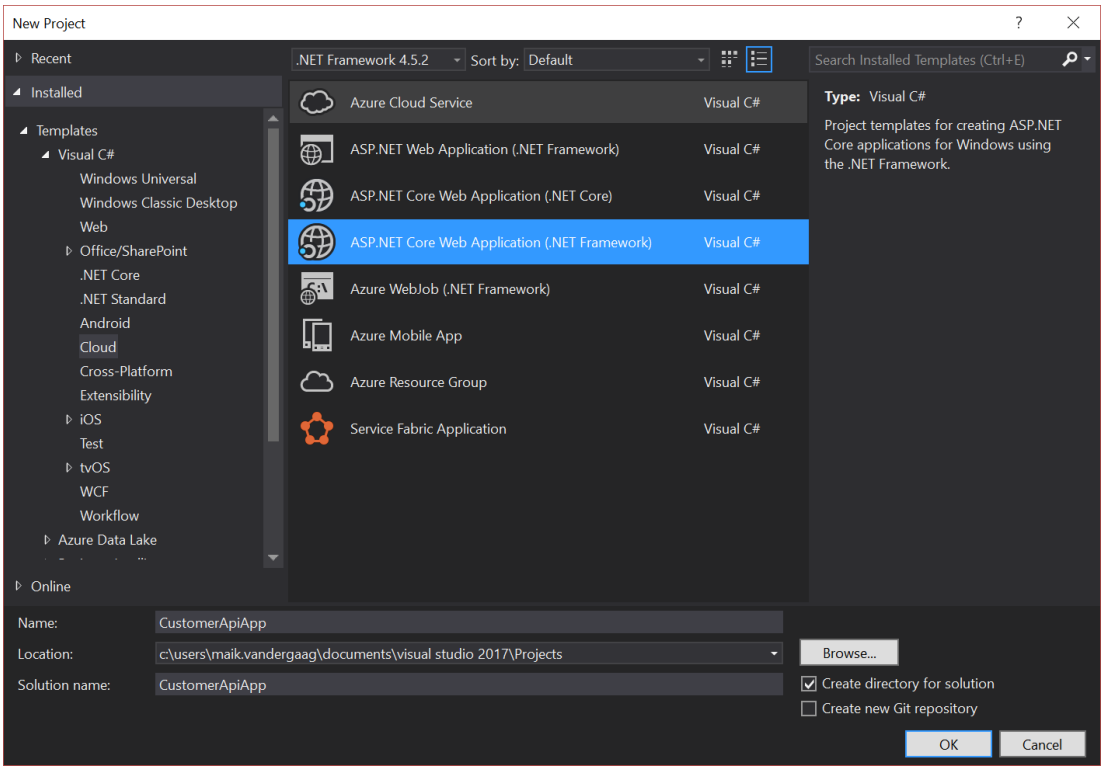
1. Create an Azure Api Application in Visual Studio 2017.
2. Deploy the Application to Azure.
3. Cleanup.

Create an Azure Api App in Visual Studio.

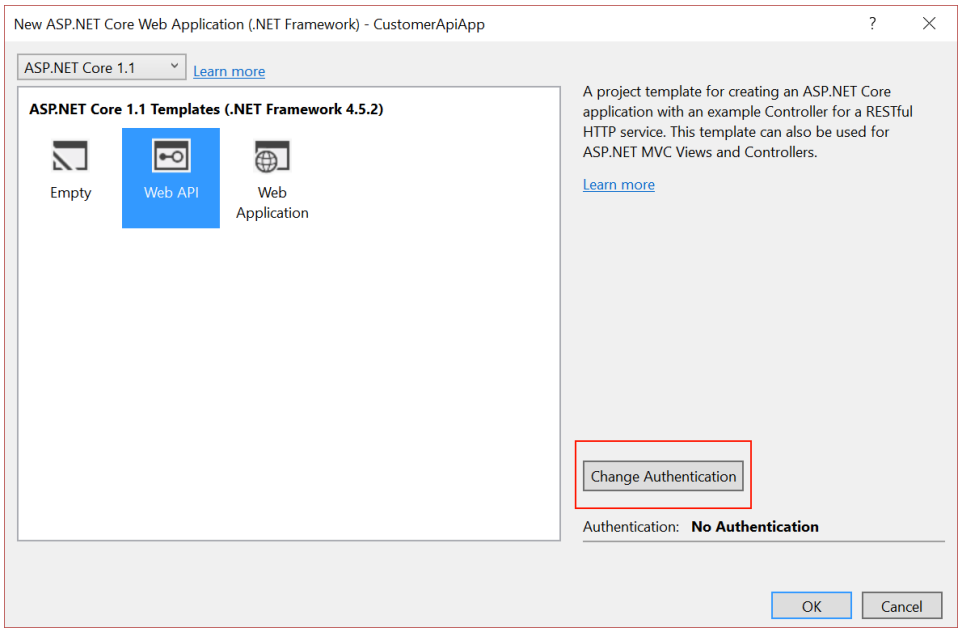
1. Open Visual Studio 2017 as Administrator
2. Click on: File > New > Project.
3. In the new project dialog click on: Templates > Visual C# > Cloud. In the middle frame click on “ASP.Net Core Web Application (.Net Framework)”.

Note: *We will create a ASP.Net Core Web Application with .Net Framework because the needed libraries for this solution are not build yet. This means this application will only run on Windows based machines.*

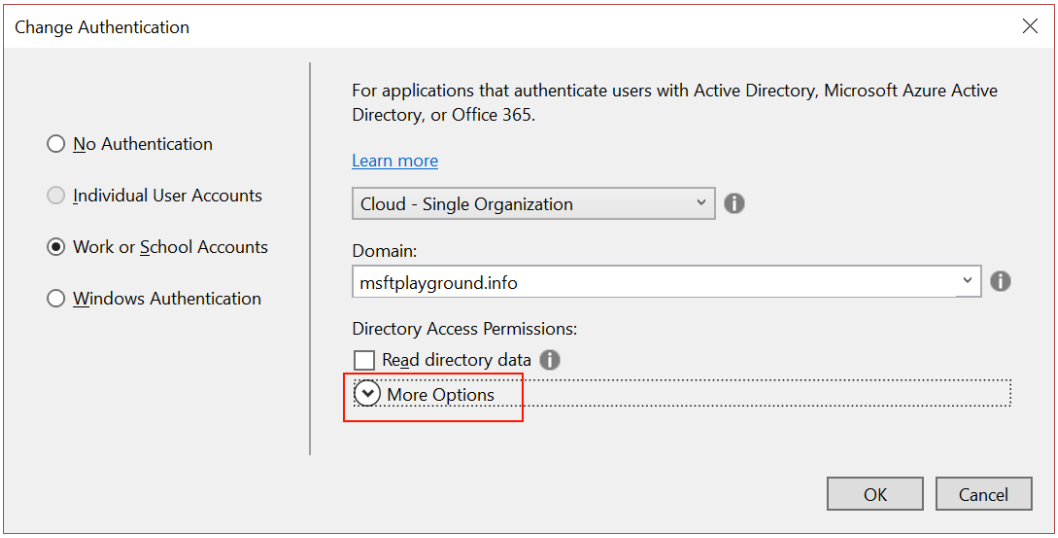
4. Give your project a name like: “CustomerApiApp”, and click on “OK”.



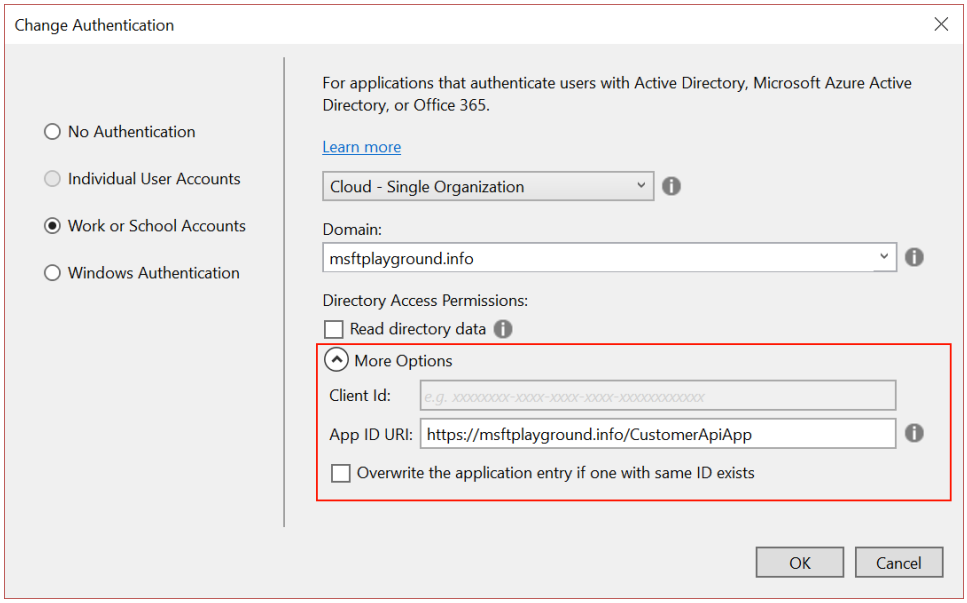
5. In the next dialog (“ASP.Net Core Web Application (.Net Framework)”) select “Web Api, and click on “Change Authentication”.



6. After selecting “Change Authentication” the Change Authentication dialog appears. In this dialog select “Work or School Account” by making this choice you can select a domain on the left side.



7. Select “Cloud – Single Organization” and select the correct Domain. Click on more options to see information about the Application that will be registered within Azure Active Directory.

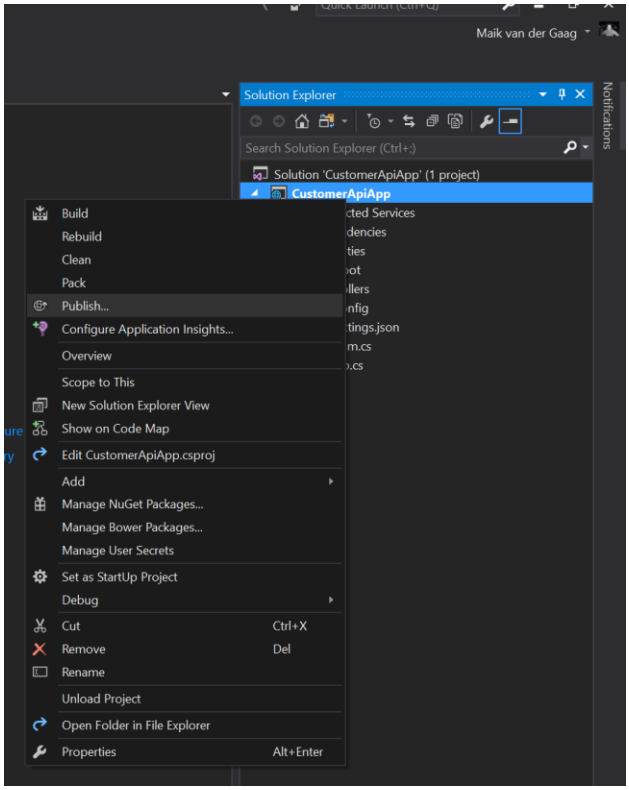


Note: *The App ID URL is visible within this window. We will need this URL later in the process. This ID is used by Azure Active Directory to know to which resource you are authenticating to. You will also be able to find this URL within Azure Active Directory after registration of the application.*

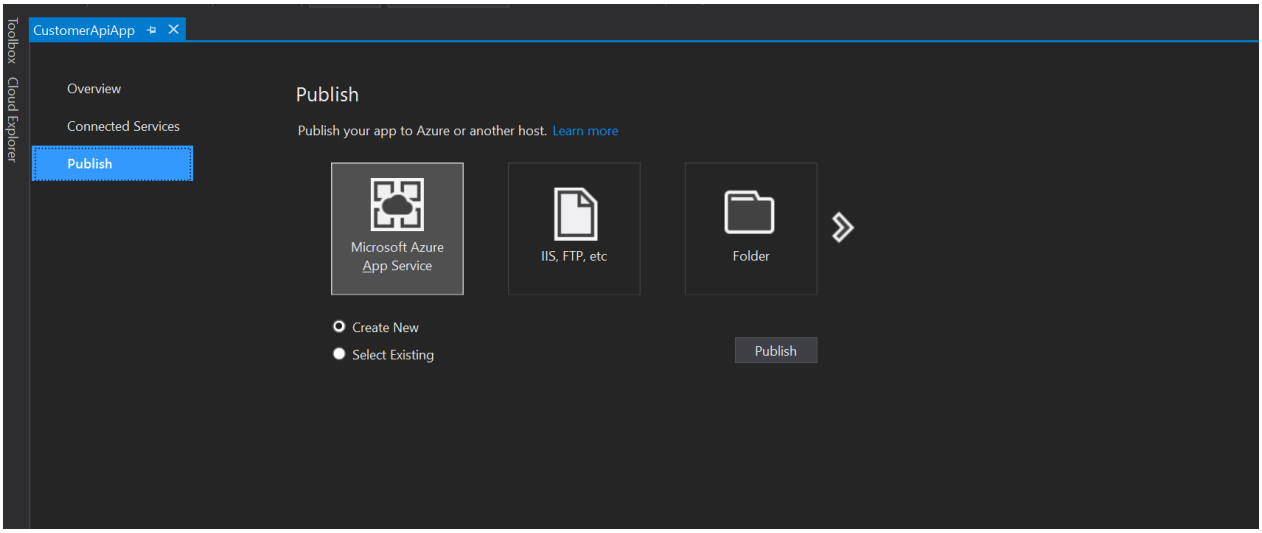
8. Click on “OK”. You will know see the previous dialog. On this dialog also click on “OK”.
9. After waiting for a while the project is ready.

Deploy the Application to Azure.

1. After the project is created, click with the other mouse button on the project name and select “Publish”

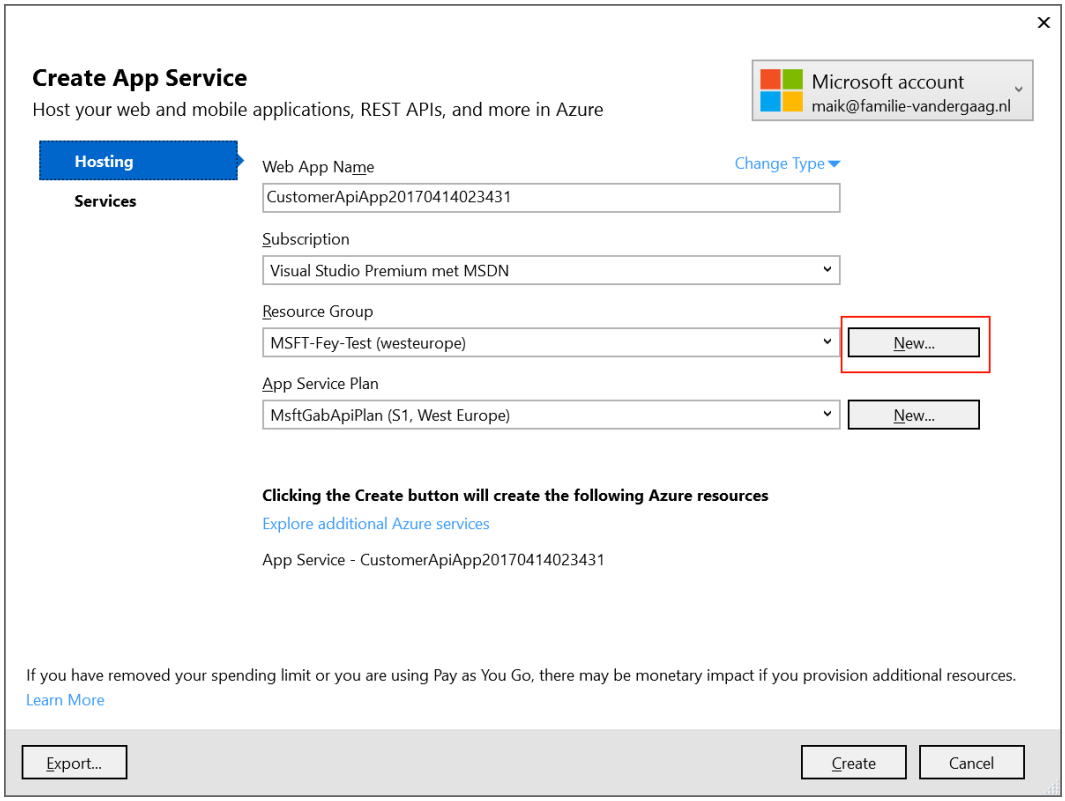


2. In the main window of Visual Studio, the publish tab will be shown. On this tab click on “Microsoft Azure App Service” and select “Create New”.

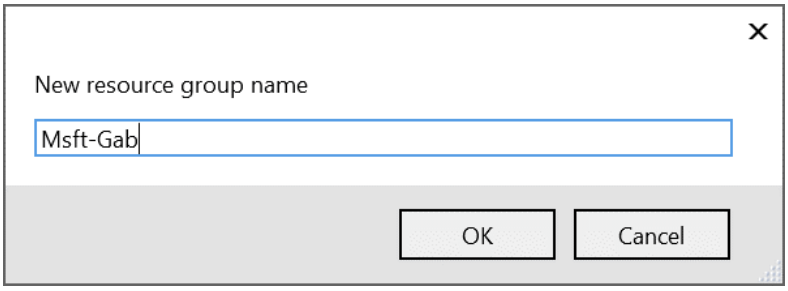


3. Click on “Publish”.

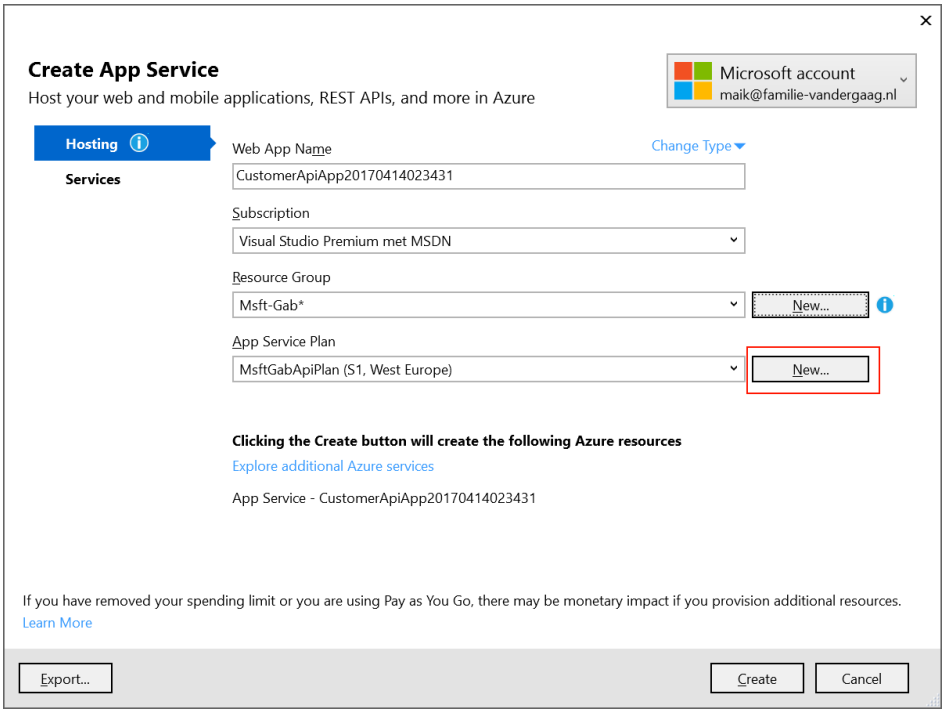
4. In the “Create App Service” dialog make sure it is logged in with the right account. Fill in a correct name and choose the right subscription. On the resource group option select “New”.



5. Fill in a name for your Resource group on click on “OK”.

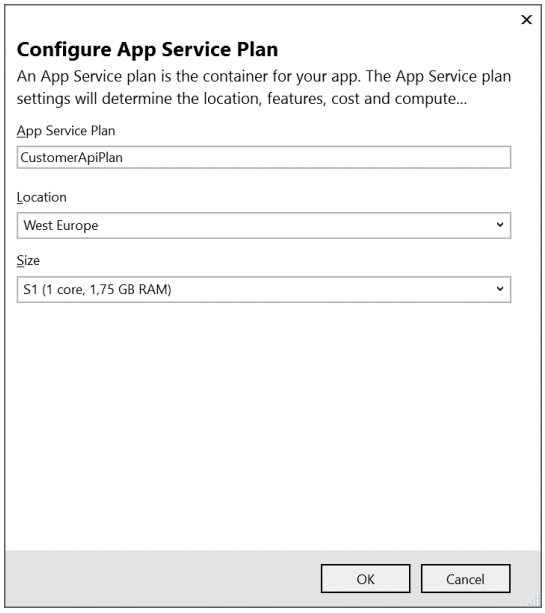


6. You will now be in the “Create App Service” dialog again. Now click on “New” for the App Service Plan option.

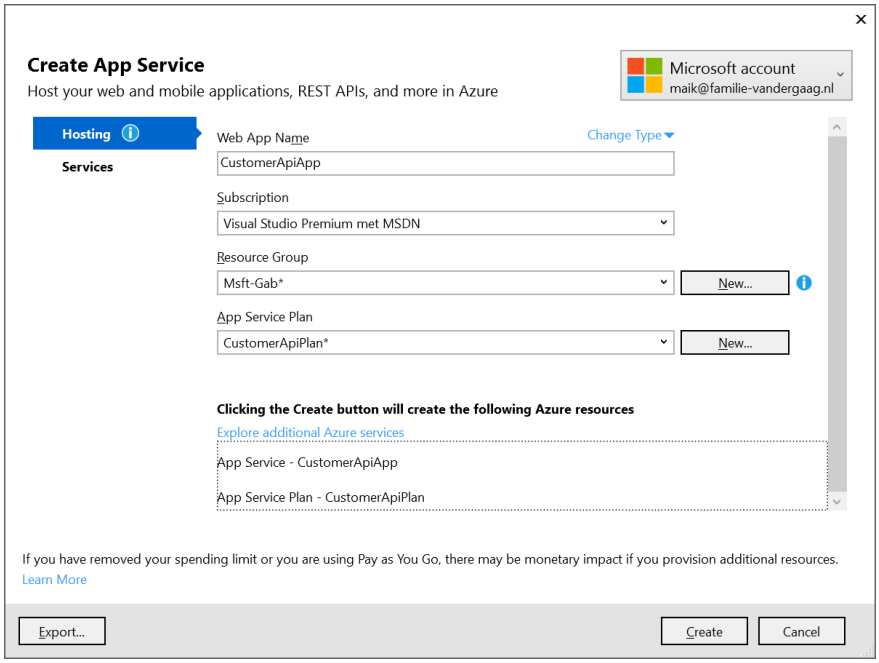


Note: *The App Service Plan is the resource you are hosting your application on.*

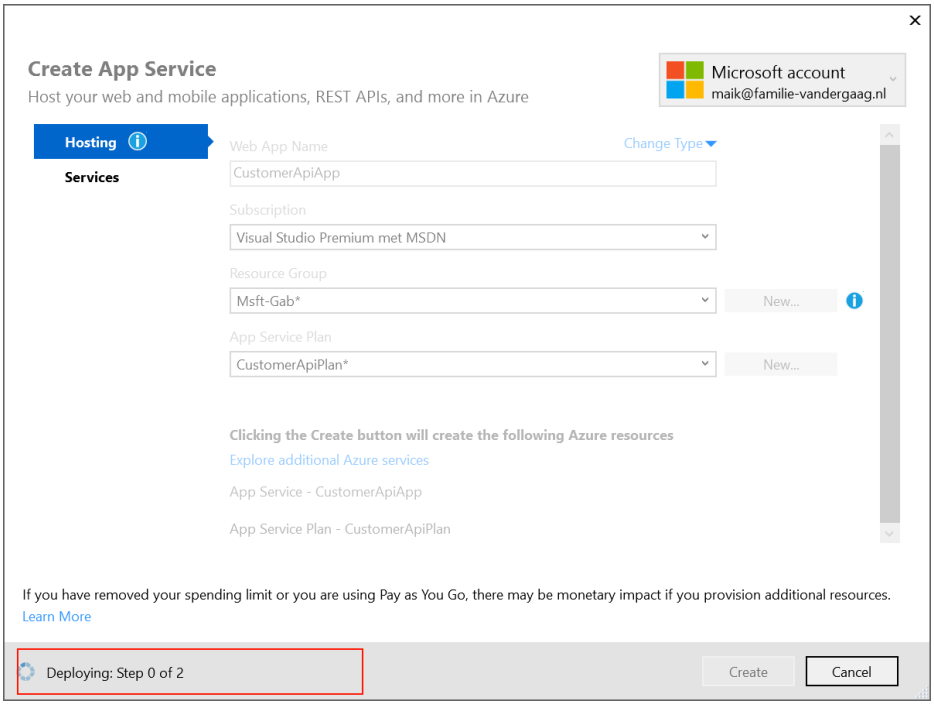
7. Fill in the name of the App Service Plan and select the appropriate location. Also select the appropriate size for the hosting plan. (You can select the Free option)



8. Click on “OK” to close the dialog.
9. In the other dialog click on “Create” to create the app resource.



10. In the bottom of the dialog you can see the status of the deployment.

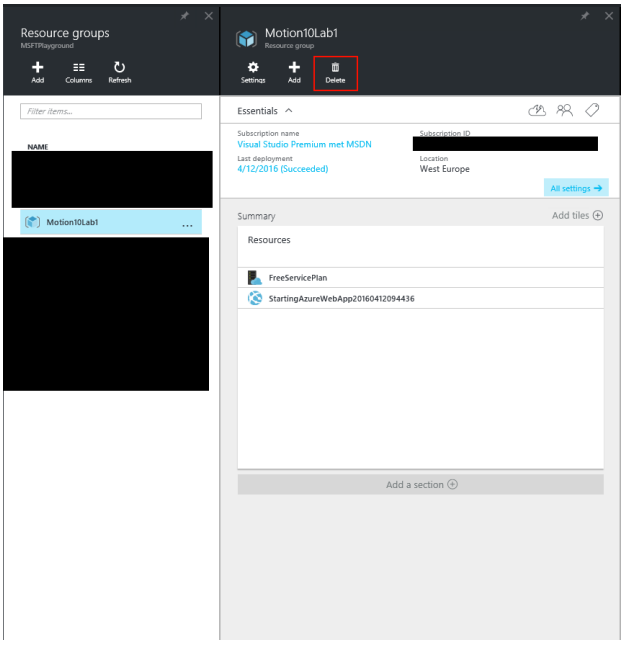


When this is done, the application is published in the cloud.

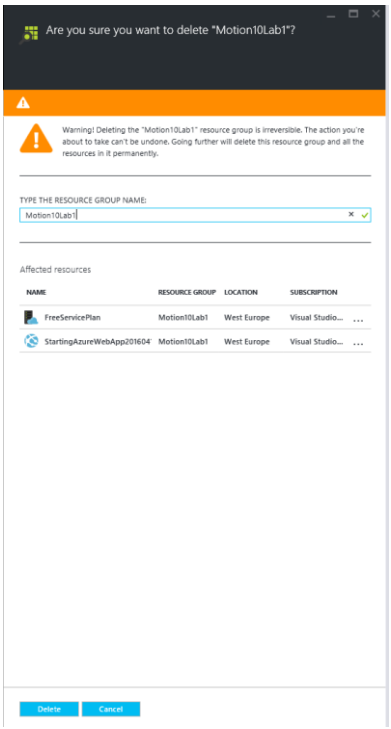
Cleanup.

The following actions will delete all resources created within this Lab, if you want to keep the resources you can skip this step.

1. Navigate to the Azure Portal (https:///portal.azure.com).
2. Click on: Resource group > Your Resource Group you created for this Lab
3. In the top bar click on: “Delete”.



4. In the blade that opens it will show you which resources will be deleted. Type in the Resource group name to confirm deletion and click on delete.


Are you sure you want to delete "Motion10Lab1"?
Warning! Deleting the "Motion10Lab1" resource group is irreversible. The action you're about to take can't be undone. Going further will delete this resource group and all the resources in it permanently.
TYPE THE RESOURCE GROUP NAME:
Motion10Lab1
Affected resources
NAME
RESOURCE GROUP
LOCATION
SUBSCRIPTION
FreeServicePlan
Motion10Lab1
West Europe
Visual Studio...
StartingAzureWebApp201604
Motion10Lab1
West Europe
Visual Studio...
Delete
Cancel