

# App Service Migration

## Step1

Download the sample project from the following link

<https://github.com/Azure-Samples/dotnet-sqlldb-tutorial/archive/master.zip>

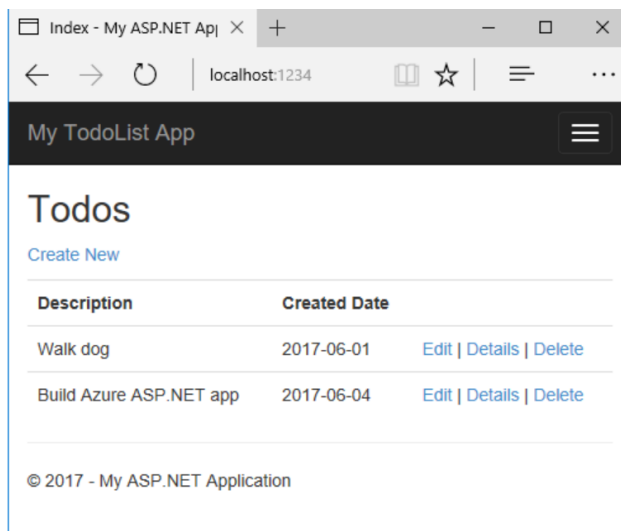
## Step2

1. Open the ***dotnet-sqlldb-tutorial-master/DotNetAppSqlDb.sln*** file in Visual Studio
2. Create SQL Db and replace the connection string in web config

## Step3

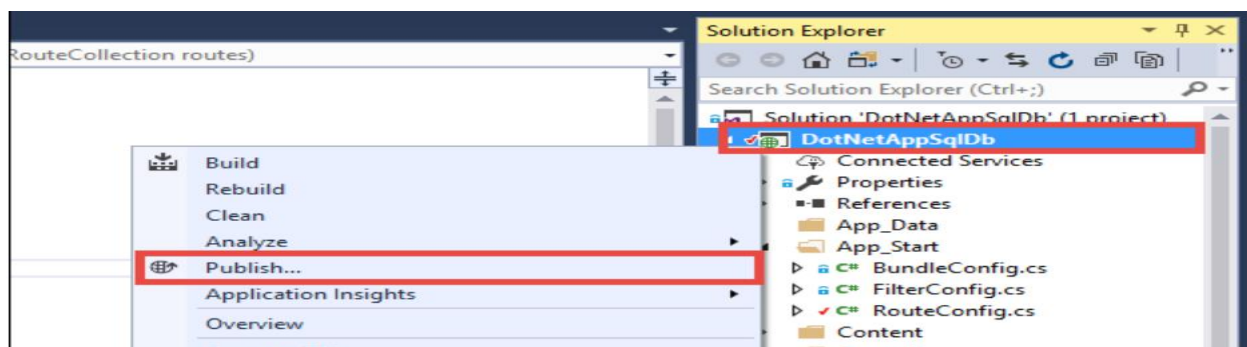
Run the Application **Ctrl+F5**

The app is displayed in your default browser



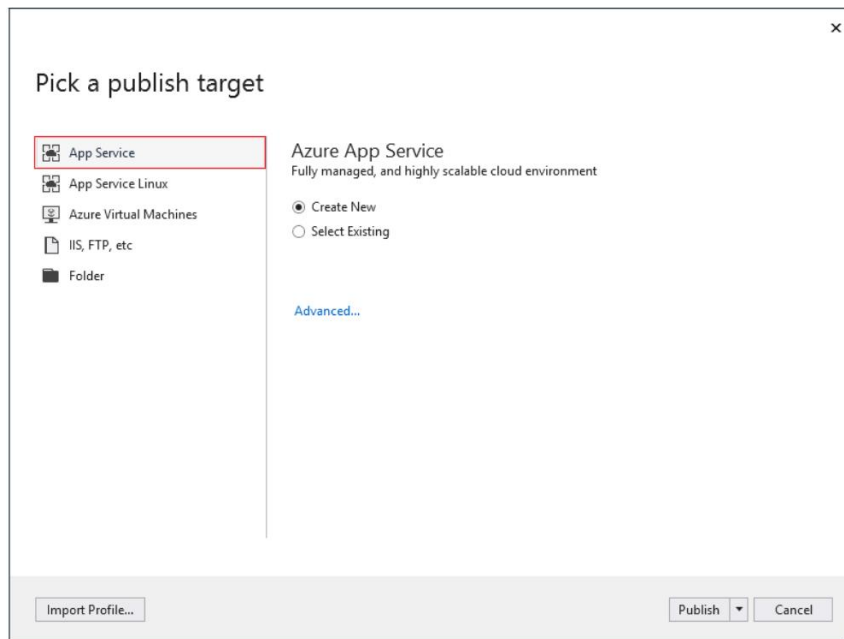
## Step4

Publish to azure with SQL DB



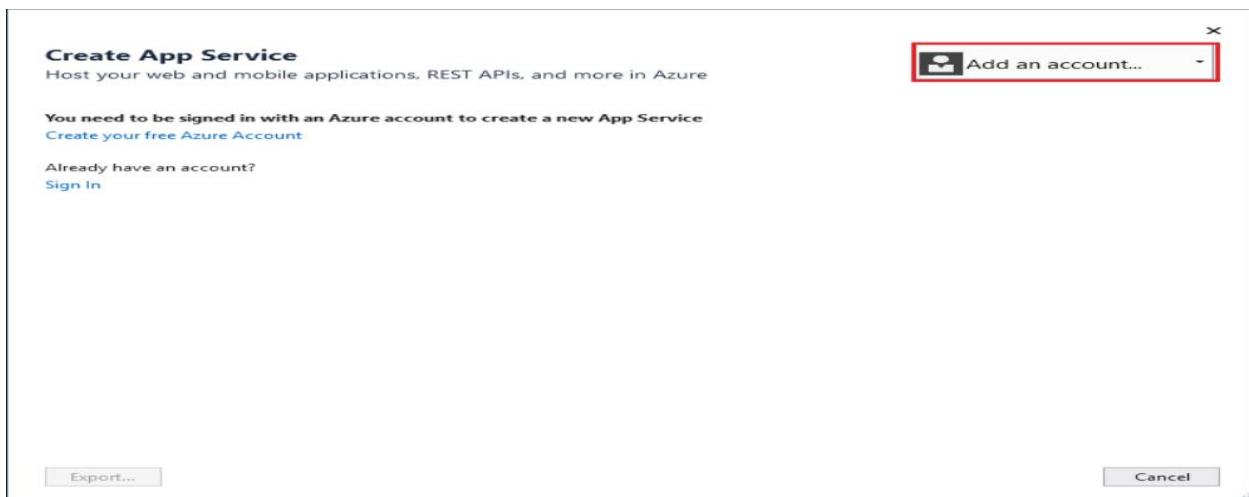
## Step5

Make sure that **Microsoft Azure App Service** is selected and **create New**



## Step6

Sign into azure account




## Step7

Configure the **web app name** and **resource group** and **app service plan**

×

Create App Service

Host your web and mobile applications, REST APIs, and more in Azure

Mindtree Limited  
M1045978@mindtree.com

App Name

SampleAppWithSQL

Subscription

Visual Studio Enterprise

Resource Group

POC (westus2)

New...

Hosting Plan


SampleAppWithSQLPlan\* (West US, F1)


New...

Application Insights

None

Explore additional Azure services

Create a SQL Database

Create a storage account

Clicking the Create button will create the following Azure resources

Hosting Plan - SampleAppWithSQLPlan

App Service - SampleAppWithSQL

Export...

Create

Cancel

## Step8

Create SQL server instance and SQL Database

## Configure SQL Database

Create a SQL Database in your subscription for storing data used by your application.

Database Name

SQL Server

[New...](#)

Administrator Username

Administrator Password

Connection String Name

×

## Configure SQL Server

Create a SQL Server in your subscription for storing data used by your application.

Server Name

Location

Central US

Administrator Username

Administrator Password

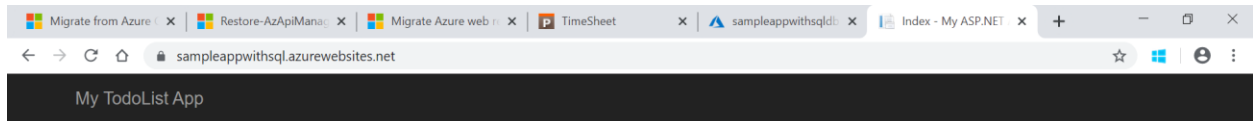
Administrator Password (confirm)

OK

Cancel

## Step9

Once you clicked publish, it will take few minutes to publish and opened the browser

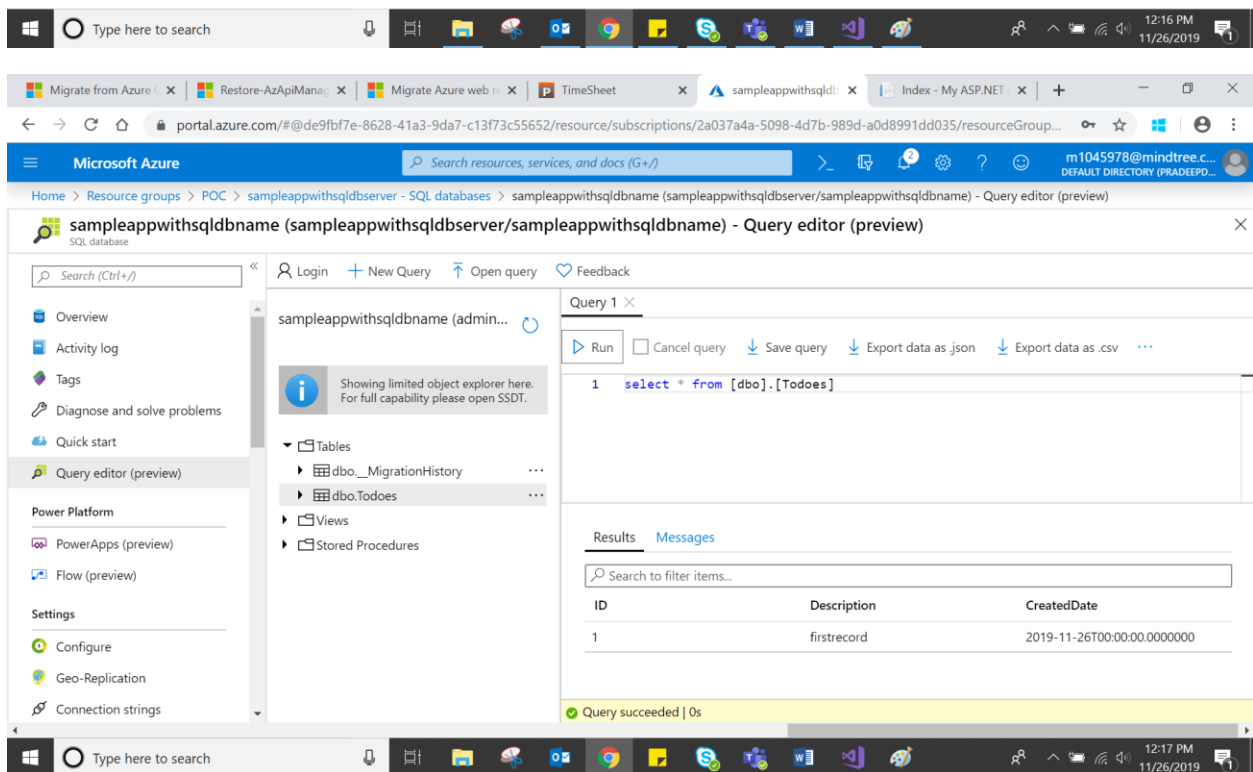


## Todos

[Create New](#)

Description	Created Date	
firstrecord	2019-11-26	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

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## Step10

Go to azure portal and check the app service what you have published

Microsoft Azure portal showing the 'POC' resource group. The 'Overview' tab is selected, displaying a list of resources. A red box highlights the following resources:

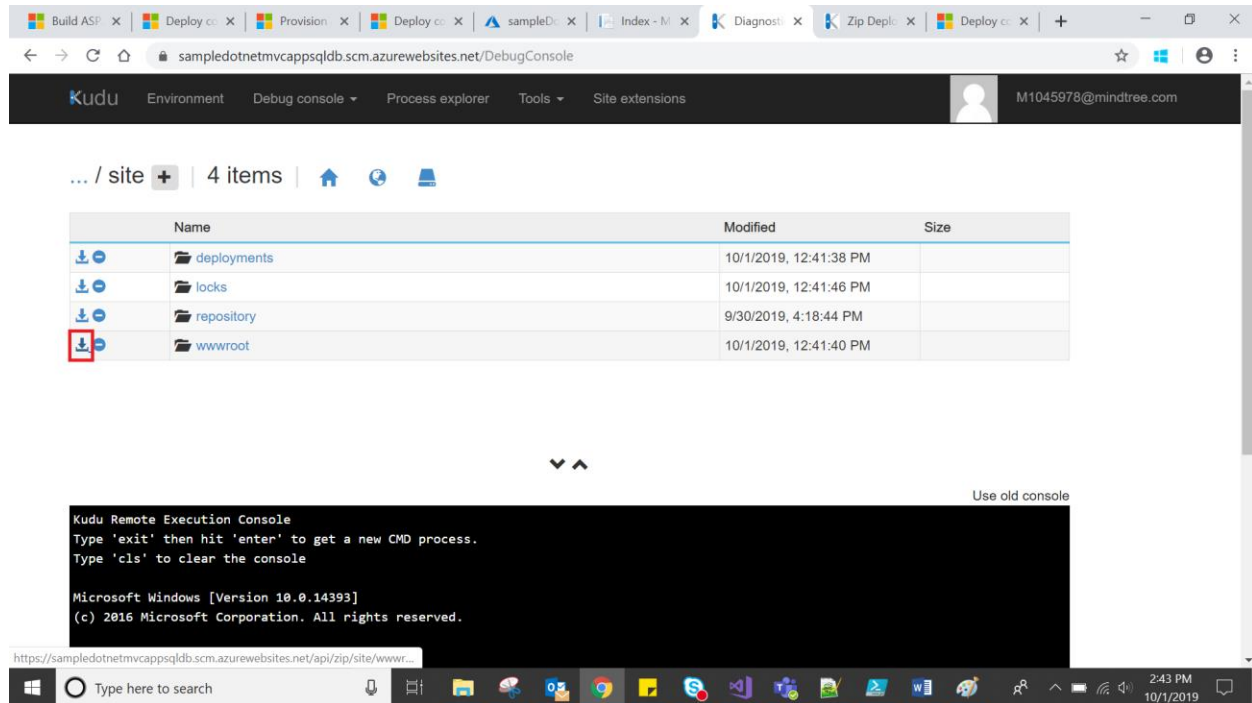
Name	Type	Location
SampleAppWithSQL	App Service	West US
sampleappwithsqlbname (sampleappwithsqlserver/sampleappwiths...	SQL database	Central US
sampleappwithsqlserver	SQL server	Central US
SampleAppWithSQLPlan	App Service plan	West US

## Step11

Download the source code as ZIP format from KUDU console in app service( what we deployed)

Microsoft Azure portal showing the 'sampleDotNetMvcAppSqlDb' App Service. The 'Advanced Tools' option is highlighted in the left sidebar. The main pane shows the 'Kudu' console, which includes a 'Browse' button, a 'Stop' button, and a 'Swap' button. The 'URL' field is highlighted, showing the Kudu console URL: <https://sampledotnetmvcappsqldb.azurewebsites.net>.

Go to Debug Console→CMD→site→wwwroot→click download symbol

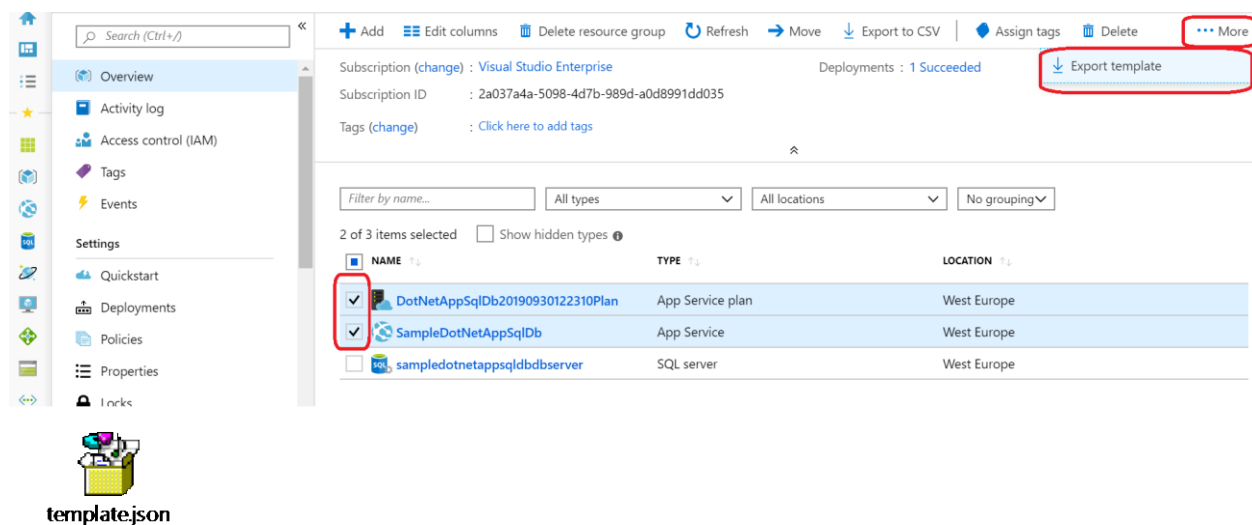


## Step12

Create one more app service and app service plan using ARM Template

To Download ARM Template select the **App service** and **App service plan** → Click, **more** on Right side corner → Click **Export Template**

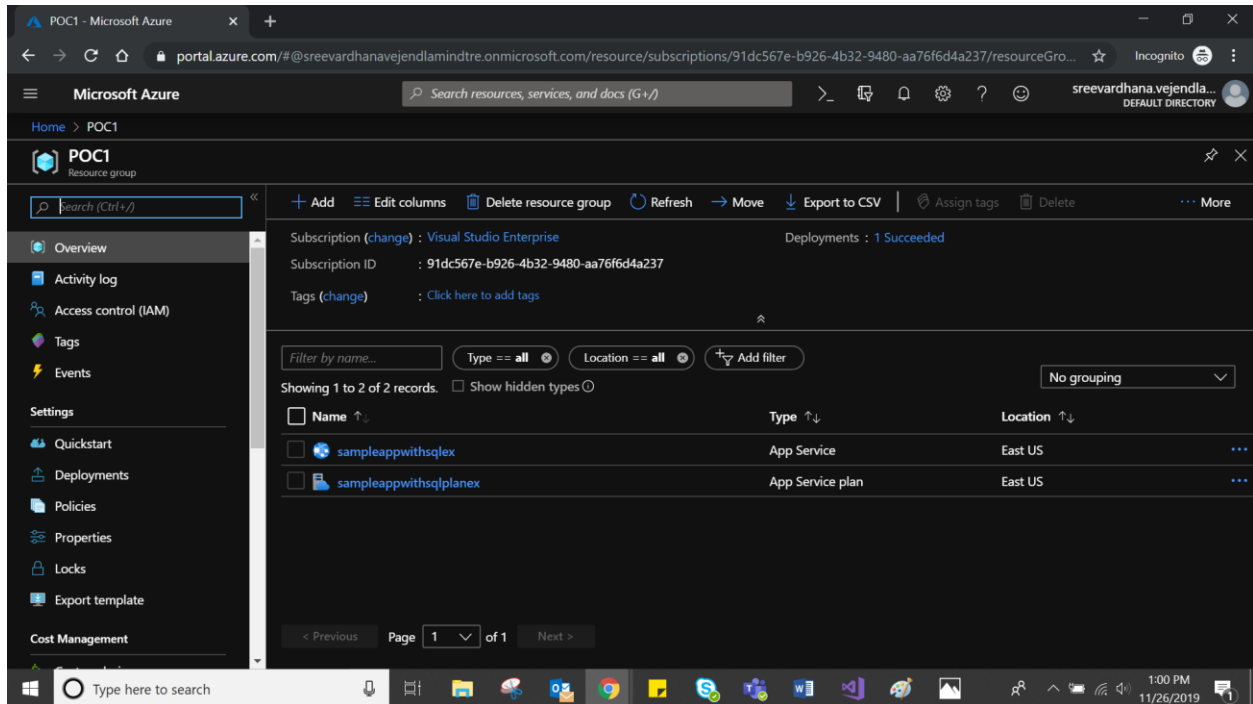
Create New **SQL Database** to connect with Exported App Service





## Step13

Go to azure portal and check the created app service and app service plan



## Step14

Deploy the ZIP file to App service using PowerShell

Make sure your Azure CLI version is 2.0.21 or later

To see which version you have, run `az --version` command in your terminal window

**`az webapp deployment source config-zip --resource-group "myResourceGroup" --name "app_name" --src "path".zip`**

**`az webapp deployment source config-zip --resource-group "M1045978" --name "karthisampleapp" --src "C:\Users\M1045978\Downloads\wwwroot.zip"`**

## Step15

Check the new app service using KUDU console and open the app service URL

This command deploys the files and directories from the ZIP file to your default App Service application folder (\home\site\wwwroot)

**Note:** change the DB connection string from Old DB to New DB in Web Config

The screenshot shows the Kudu Debug Console interface in a web browser. The browser's address bar shows the URL: `sampledotnetmvcappsqlb.scm.azurewebsites.net/DebugConsole`. The Kudu interface has a top navigation bar with tabs: Environment, Debug console (selected), Process explorer, Tools, and Site extensions. Below the navigation bar, the file explorer shows the `wwwroot` directory with 11 items. The items are listed in a table with columns for Name, Modified, and Size.

Name	Modified	Size
bin	10/1/2019, 12:41:40 PM	
Content	10/1/2019, 12:41:40 PM	
fonts	10/1/2019, 12:41:40 PM	
Scripts	10/1/2019, 12:41:40 PM	
Views	10/1/2019, 12:41:40 PM	
ApplicationInsights.config	6/28/2019, 9:06:34 AM	6 KB
favicon.ico	6/28/2019, 9:06:34 AM	32 KB
Global.asax	6/28/2019, 9:06:34 AM	4 KB

Below the file explorer, there is a terminal window titled "Kudu Remote Execution Console". It shows a Windows command prompt with the following text:

```
Kudu Remote Execution Console
Type 'exit' then hit 'enter' to get a new CMD process.
Type 'cls' to clear the console

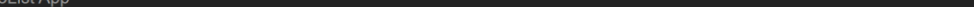
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

D:\home>
```

## **Step16:**

Browse the exported app service and you will get the home page

**Note:** If you get any error, Add the IP Address in Firewall settings



Todos

[Create New](#)

Description	Created Date	
targetdb	2019-11-26	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

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