

App Service Migration

Step1

Download the sample project from the following link

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

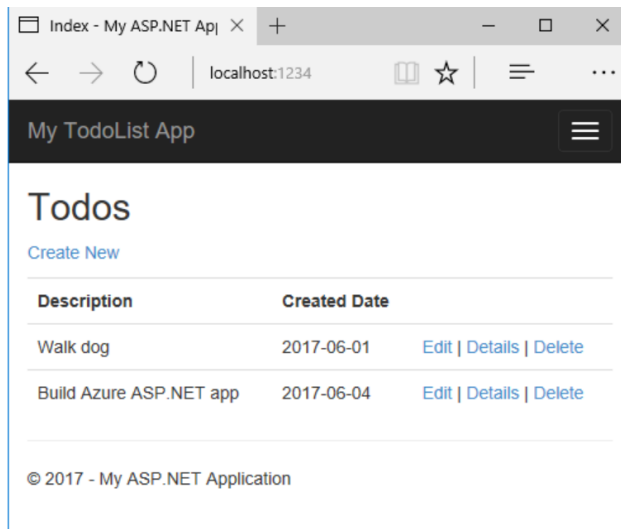
Step2

Open the *dotnet-sqlldb-tutorial-master/DotNetAppSqlDb.sln* file in Visual Studio

Step3

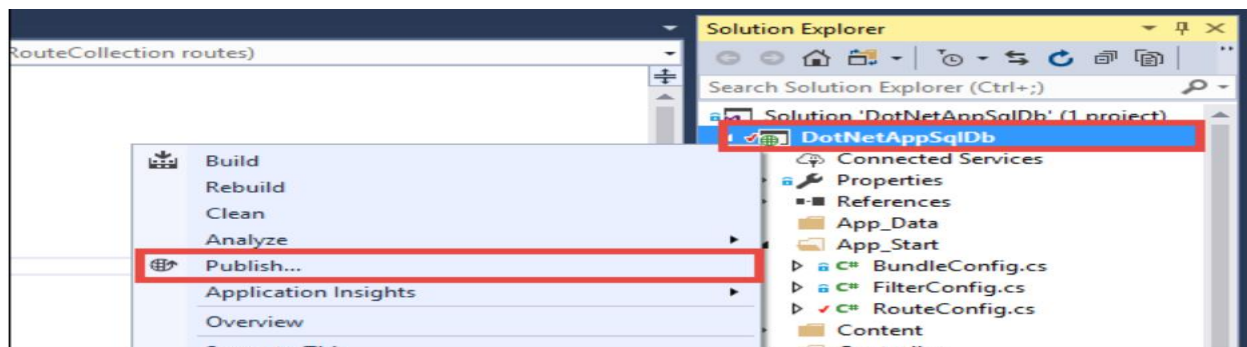
Run the Application **Ctrl+F5**

The app is displayed in your default browser



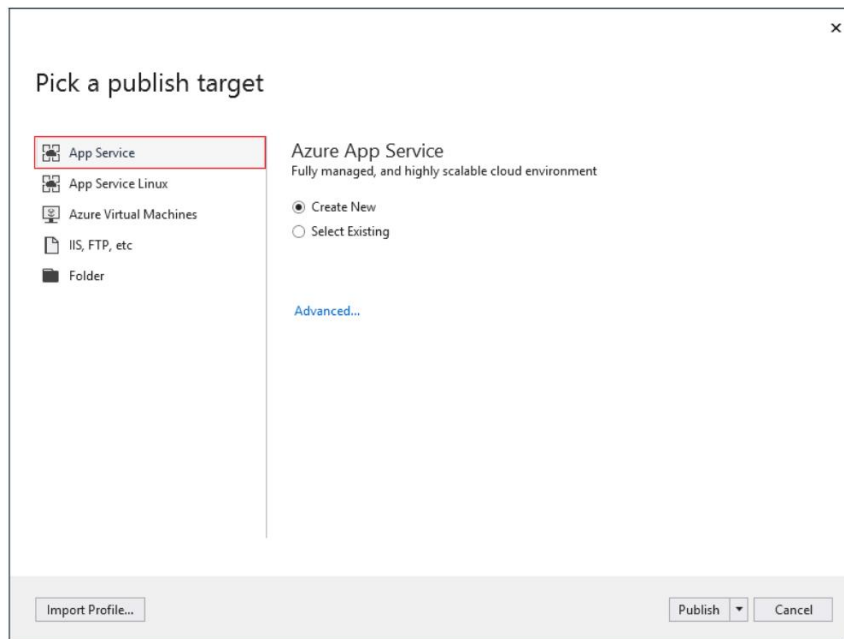
Step4

Publish to azure with SQL DB



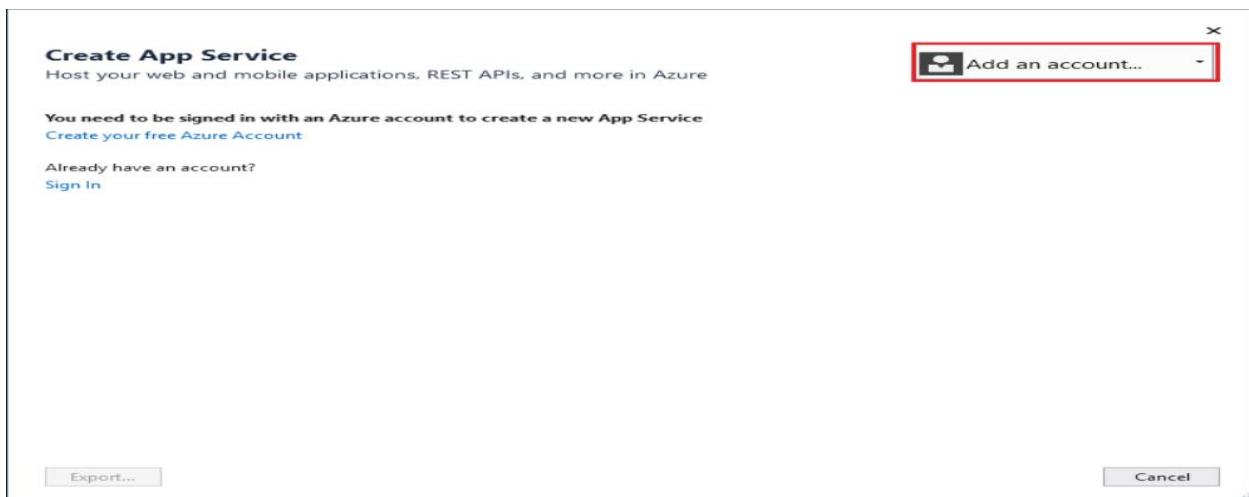
Step5

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

Microsoft

App Name

DotNetAppSqlDb12

Subscription

Visual Studio Enterprise

Resource Group

DotNetAppSqlDb20180625094132ResourceGroup*

New...

Hosting Plan

DotNetAppSqlDb20180625094132Plan* (Central US, S1)

New...

Export...

Create

Cancel

Explore additional Azure services

Create a SQL Database

Create a storage account

Clicking the Create button will create the following Azure resources

Hosting Plan - DotNetAppSqlDb20180625094132Plan

App Service - DotNetAppSqlDb12

Configure App Service Plan

An App Service plan is the container for your app. The App Service plan settings will determine the location, features, cost and compute...

App Service Plan

myAppServicePlan

Location

West Europe

Size

Free

OK

Cancel

Step8

Create SQL server instance and SQL Database

Microsoft

Close

Create App Service

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

App Name

DotNetAppSqlDb12

Subscription

Visual Studio Enterprise

Resource Group

myResourceGroup*

New...

Hosting Plan

myAppServicePlan* (West Europe, S1)

New...

Export...

Create

Cancel

Explore additional Azure services

Create a SQL Database

Create a storage account

Clicking the Create button will create the following Azure resources

Hosting Plan - myAppServicePlan

App Service - DotNetAppSqlDb12

Close

Configure SQL Server

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

Server Name

dotnetappsqldb1234dbserver

Administrator Username

sqladmin

Administrator Password

••••••••

Administrator Password (confirm)

••••••••

OK

Cancel

×

Configure SQL Database

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

SQL Server

dotnetappsqldb1234dbserver*

New...

Administrator Username

sqladmin

Administrator Password

••••••••

Database Name

DotNetAppSqlDb1234_db

Connection String Name

MyDbConnection

OK

Cancel

×

Create App Service

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

Microsoft

App Name

DotNetAppSqlDb12

Subscription

Visual Studio Enterprise

Resource Group

myResourceGroup*

New...

Hosting Plan

myAppServicePlan* (West Europe, S1)

New...

Explore additional Azure services

Create a SQL Database

Create a storage account

Clicking the Create button will create the following Azure resources

SQL Database - DotNetAppSqlDb12_db

SQL Server - dotnetappsqldb12dbserver

Hosting Plan - myAppServicePlan

App Service - DotNetAppSqlDb12

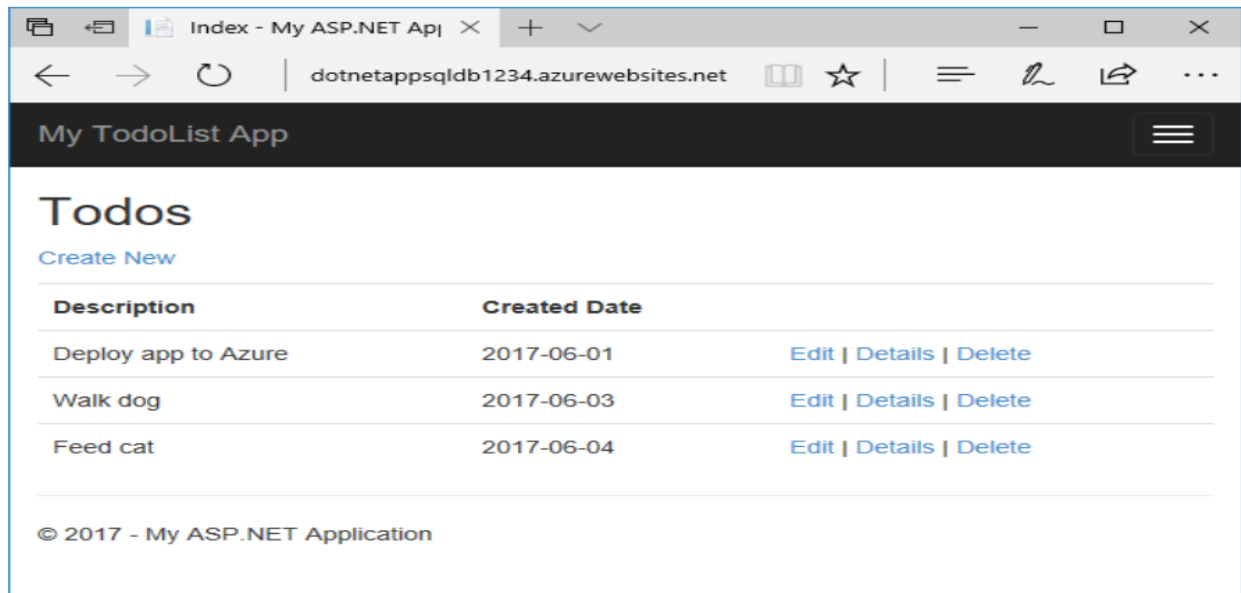
Export...

Create

Cancel

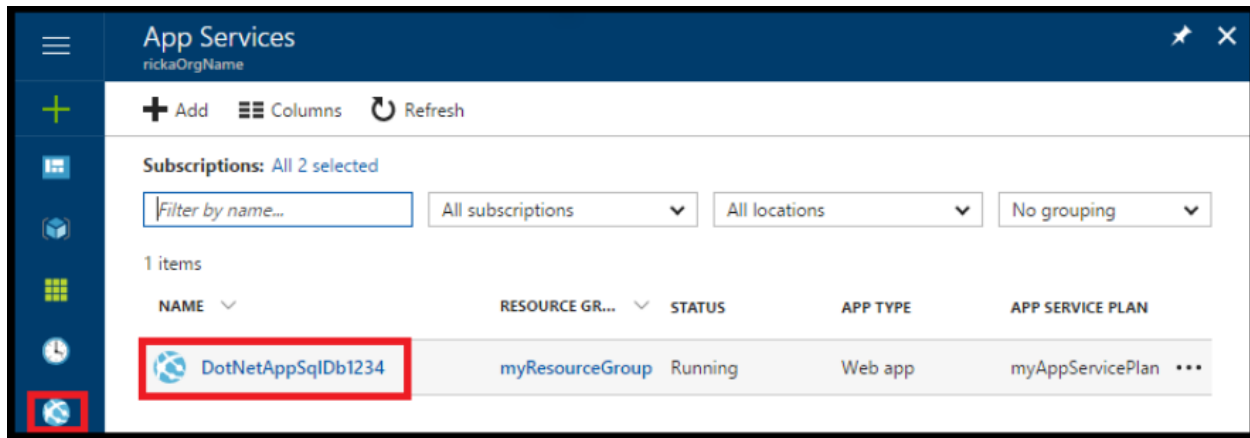
Step9

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



Step10

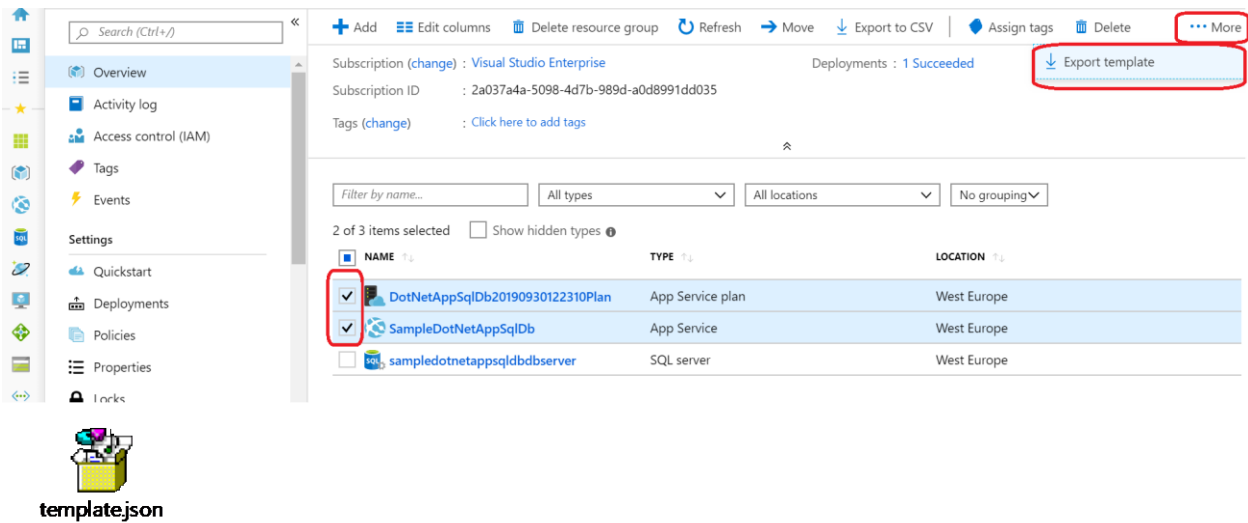
Go to azure portal and check the app service what you have published



Step11

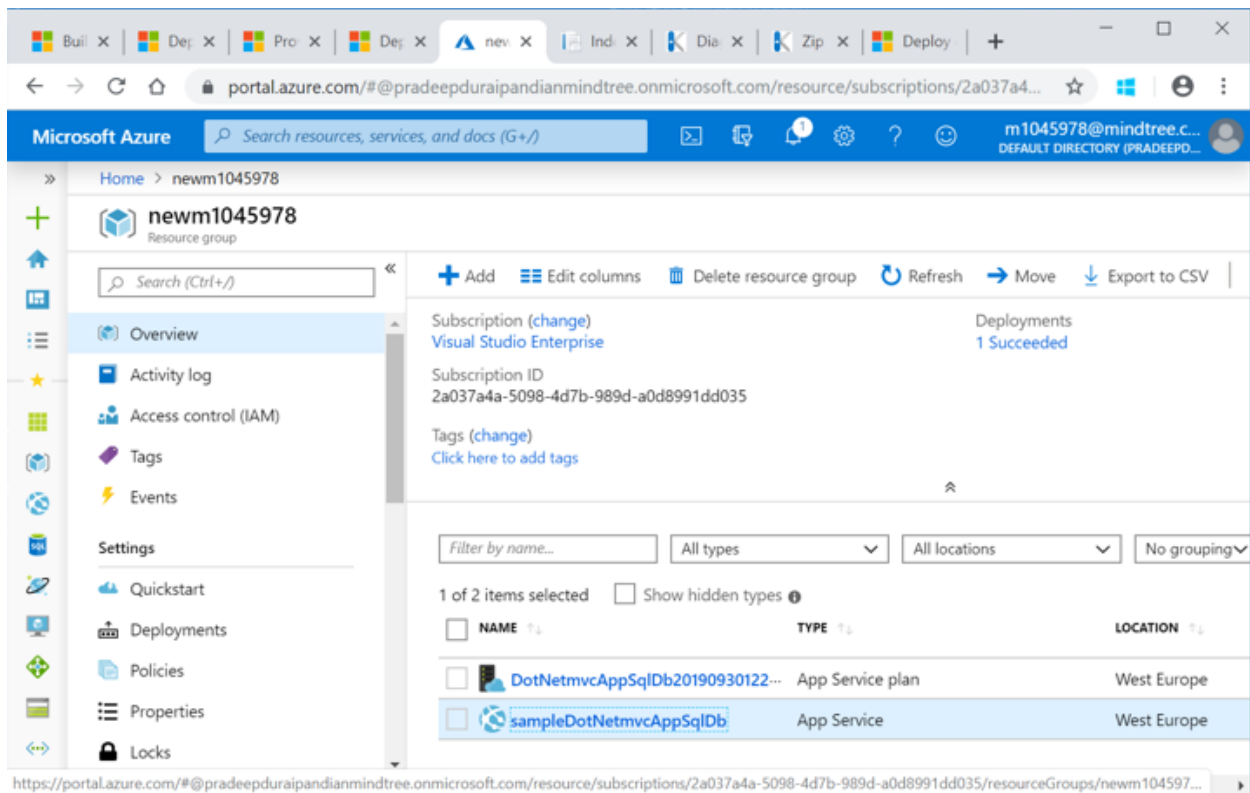
Create one more app service and SQL server for migration using ARM Template

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



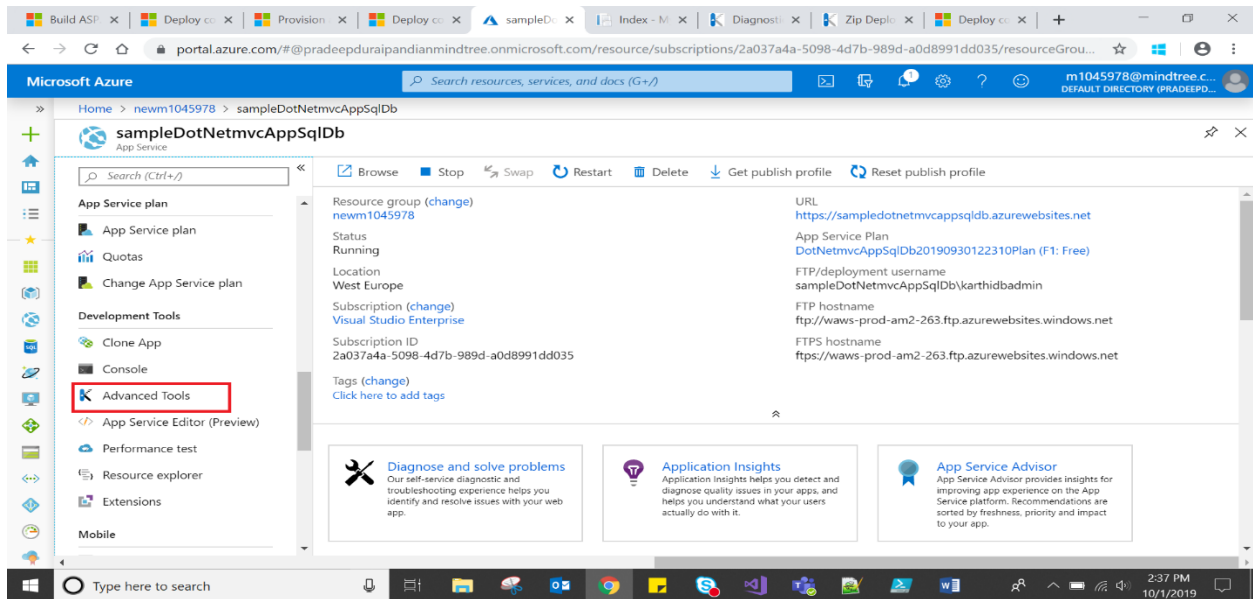
Step12

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

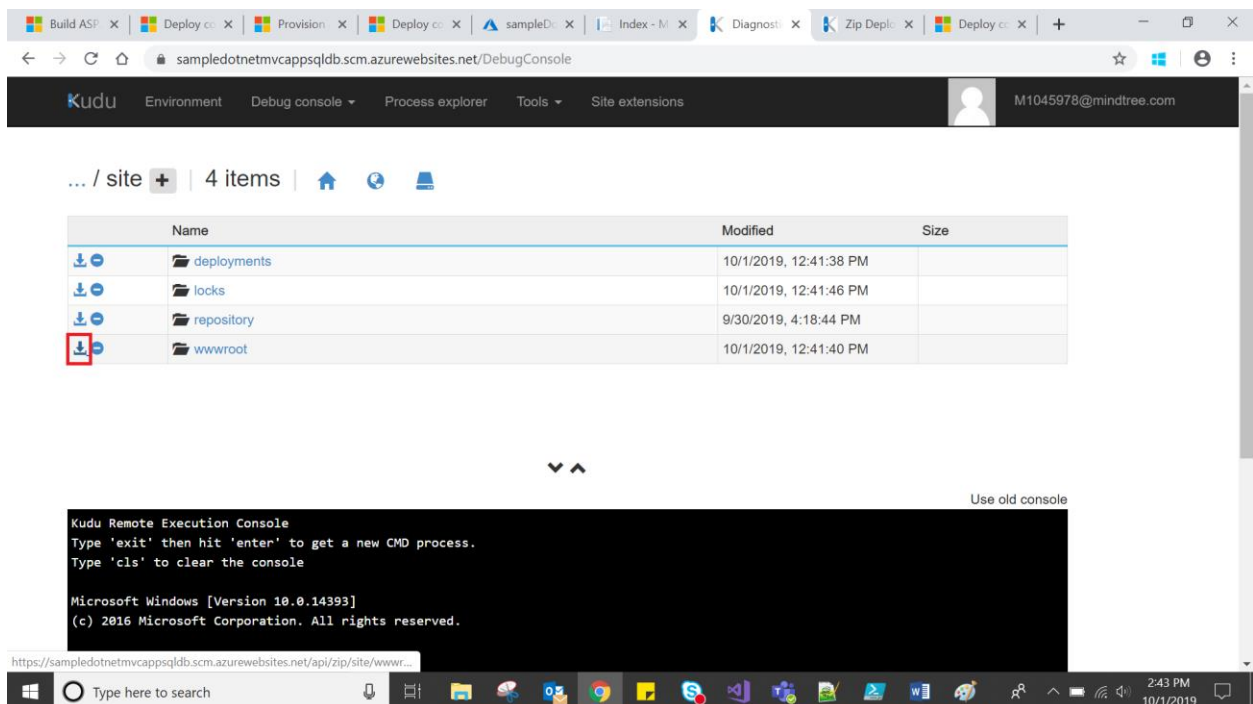


Step13

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



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



Step14

Deploy the ZIP file to App service using PowerShell

Make sure your Azure CLI version is 2.0.21 or later

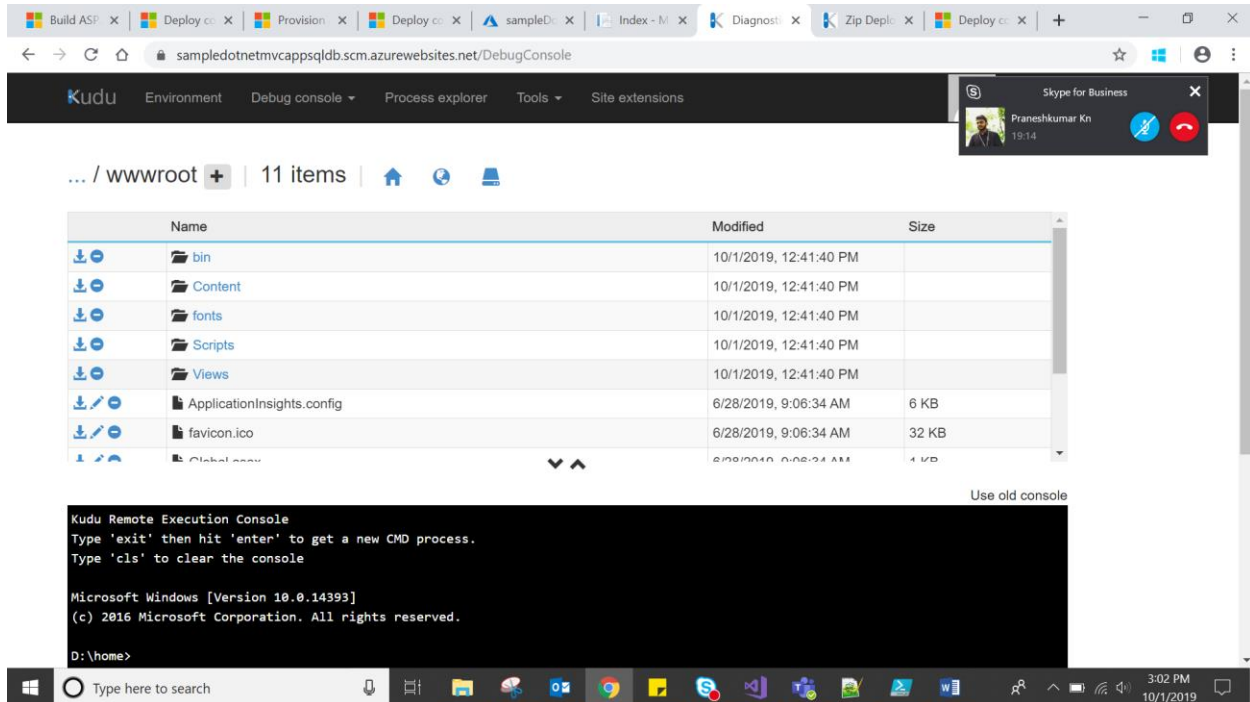
To see which version you have, run **az --version** command in your terminal window

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

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)



The screenshot shows the Kudu console interface for an Azure Web App. The browser address bar displays the URL: `sampledotnetmvcappsqladb.scm.azurewebsites.net/DebugConsole`. The Kudu header includes tabs for Environment, Debug console, Process explorer, Tools, and Site extensions. A Skype for Business window is visible in the top right corner.

The main content area shows the file structure of the `wwwroot` directory, which contains 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	1 KB

Below the file list is the Kudu Remote Execution Console, which shows 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>
```

The Windows taskbar at the bottom shows the time as 3:02 PM on 10/1/2019.