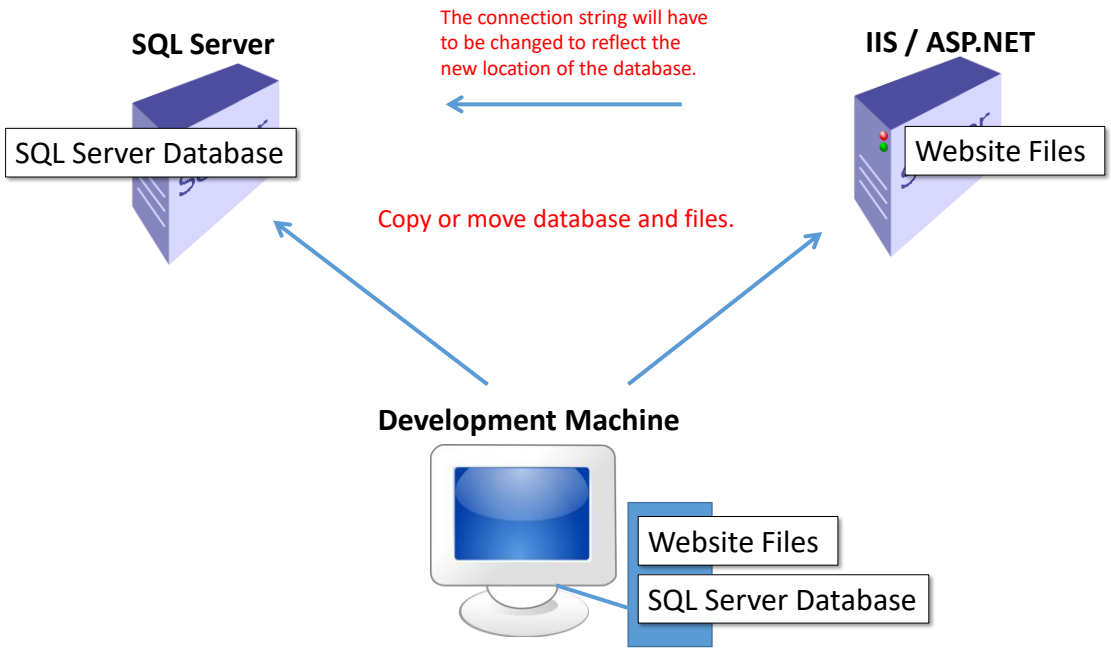
Deploying Your Website



Deploying to the Cloud using Microsoft Azure

Step 1:

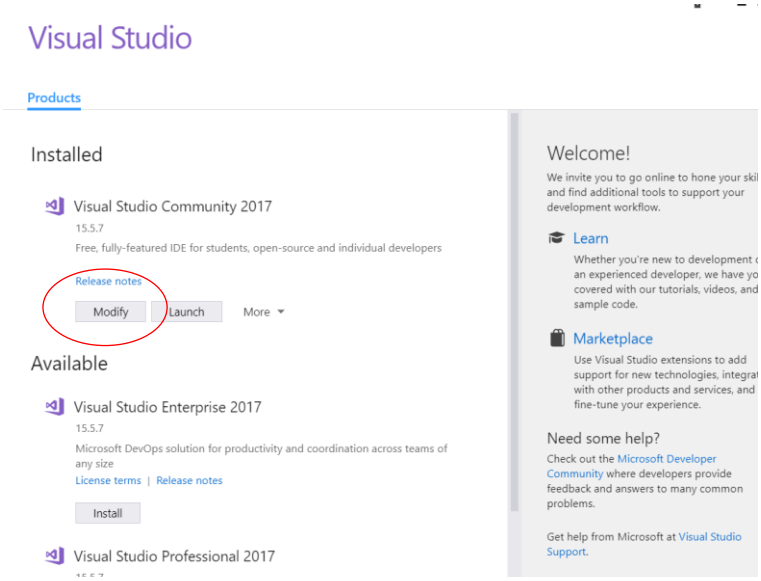
Sign up for your free student Azure account.

https://catalog.imagine.microsoft.com/en-us/Catalog/Product/99

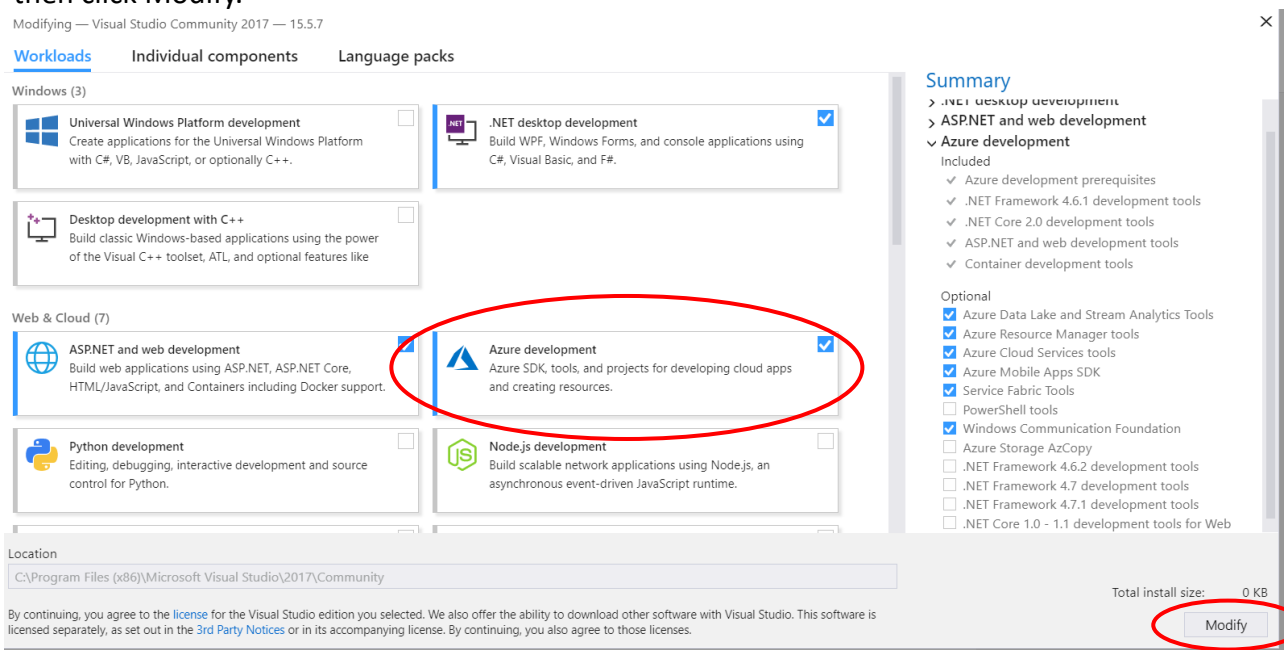
Video – instructions how to -> https://channel9.msdn.com/blogs/Azure-in-Information-Systems/Student-Account-Creation-from-Start-to-Finish-Microsoft-DreamSpark-and-Azure

Step 2:

Run Visual Studio Installer and click Modify.



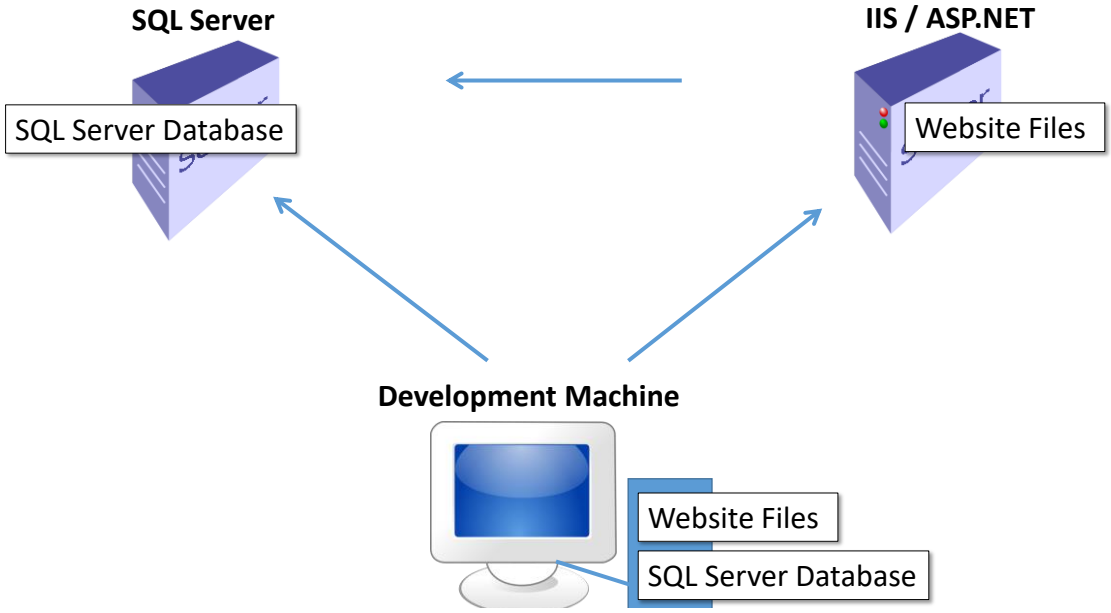
Click on the Azure development Workload and verify that the check box is checked and then click Modify.



Step 3:

When ready to deploy, right-click on project and choose Publish.

Deployment Is Complete



If you aren't using Microsoft Azure, you will need to deploy individually both your database and website.

They do not have to reside on the same server.

Deploying the Database Not on Azure

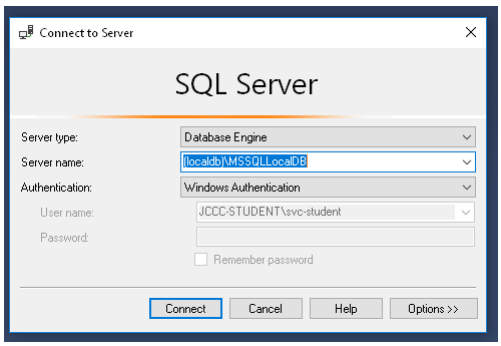
We have been connecting to an mdf file during the development stage since an mdf file is very portable (easy to copy).

Once we deploy our site, we can still use an mdf file but it's not the best option.
Instead, we do the following:

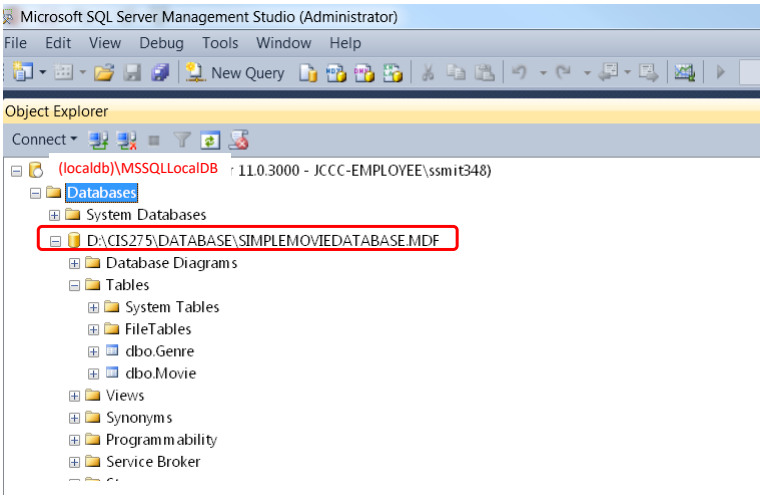
Export the database to a new database on a server that can be accessed over the internet.

1. Open SQL Server Management Studio and log in to your local host.

(localdb)\MSSQLLocalDB

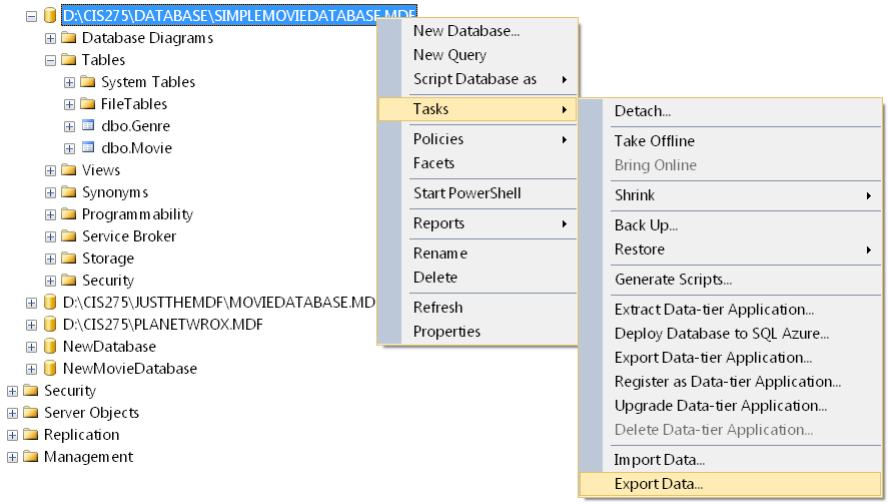


Now we should see the database listed under Databases.

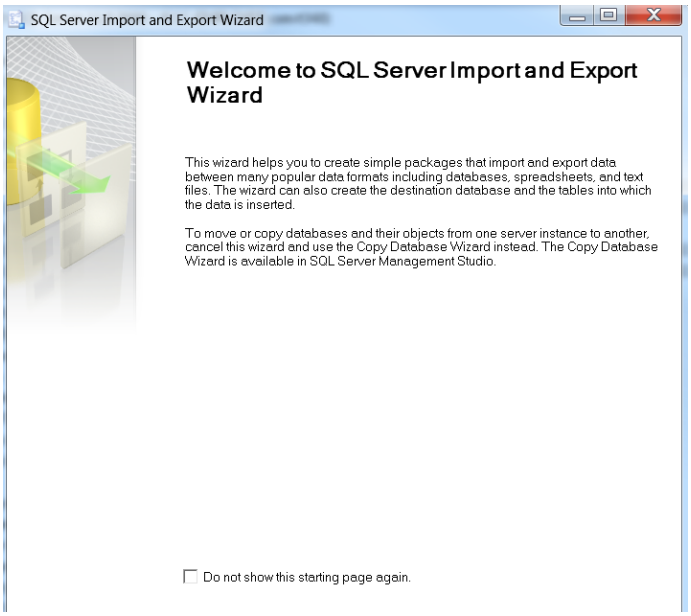


2. Export the database to a new database on a server that can be accessed over the internet.

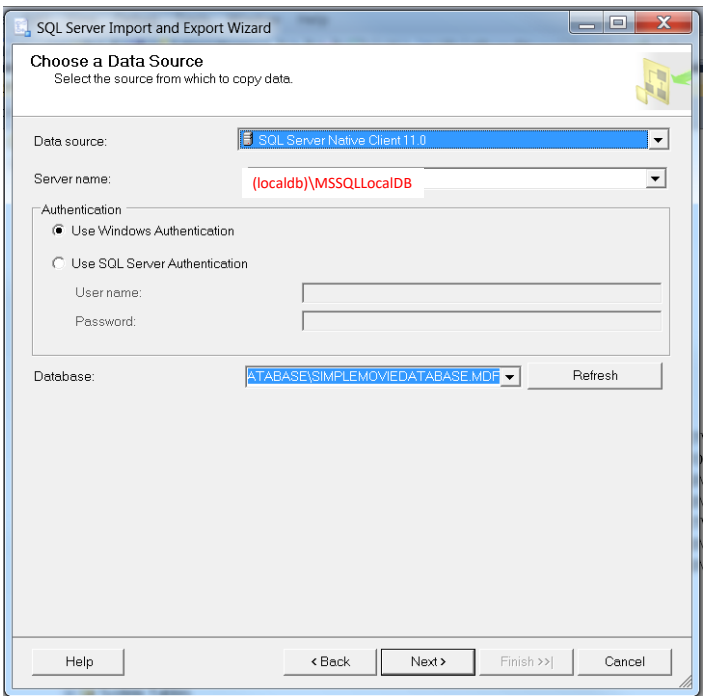
Highlight the database > Right-click > Tasks > Export Data …

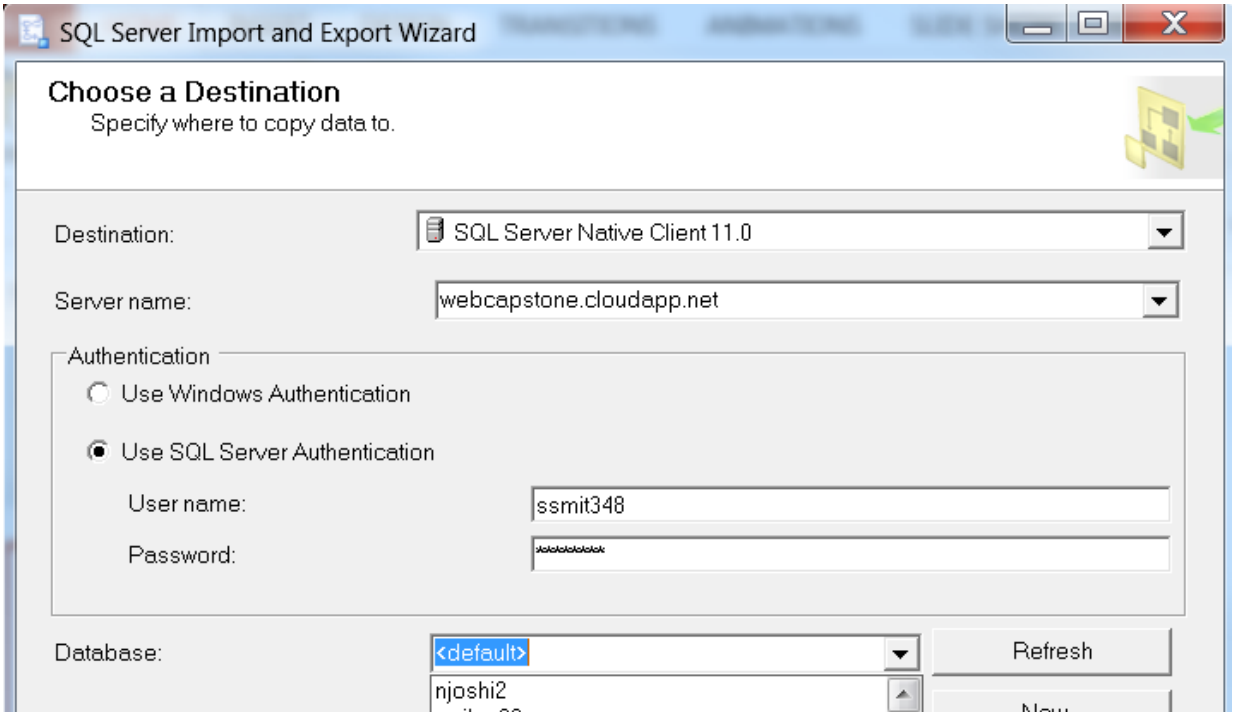


The SQL Server Import and Export Wizard appears.

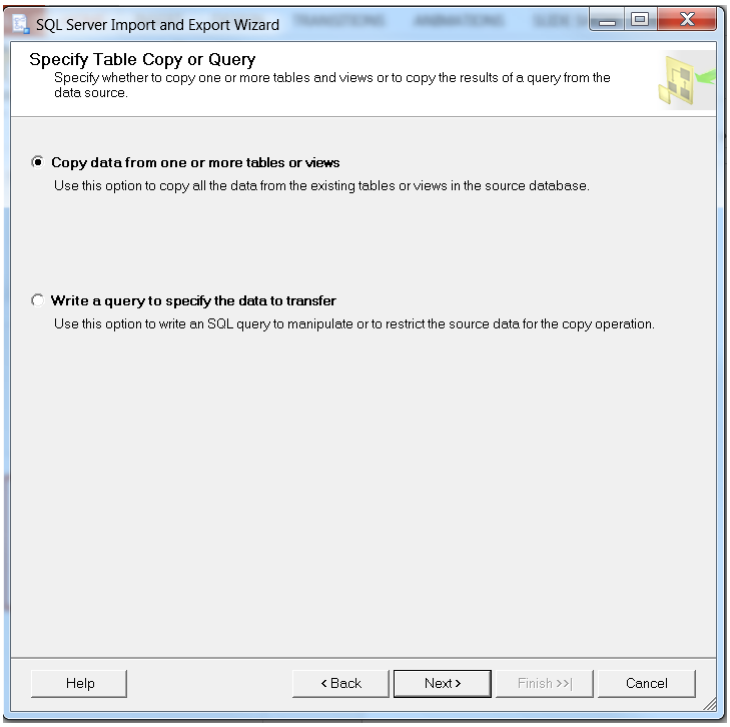


The Data Source should already be set to our local database.

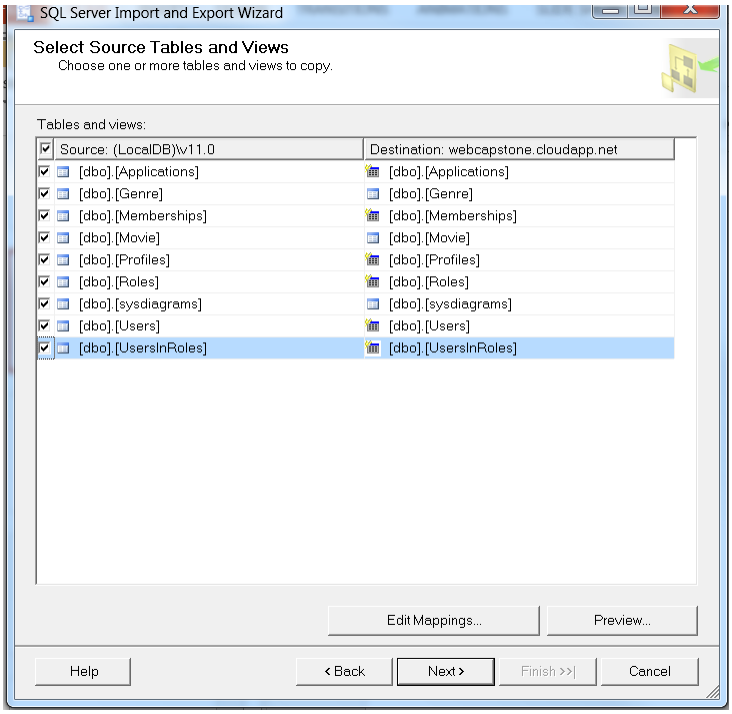




Choose “Copy data from one or more tables or views”.

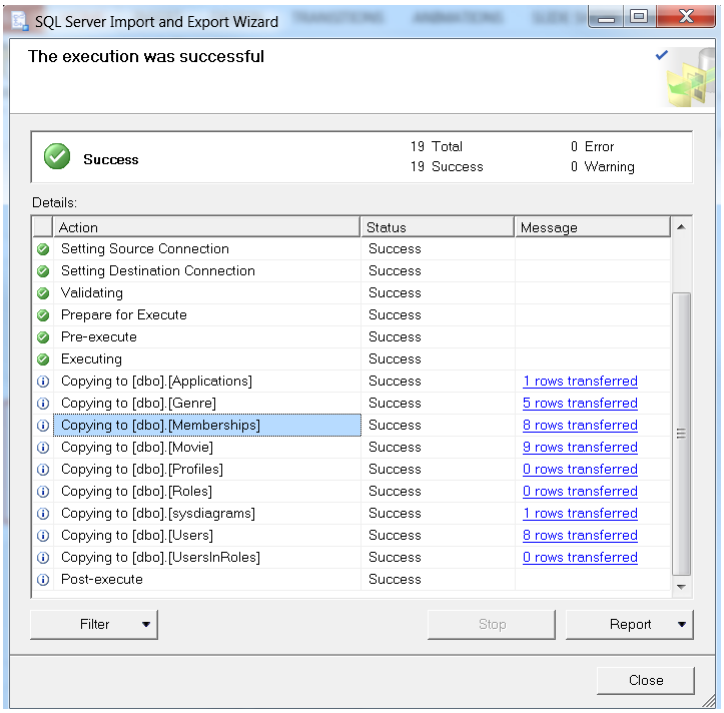


Select all of the tables and views that are listed.

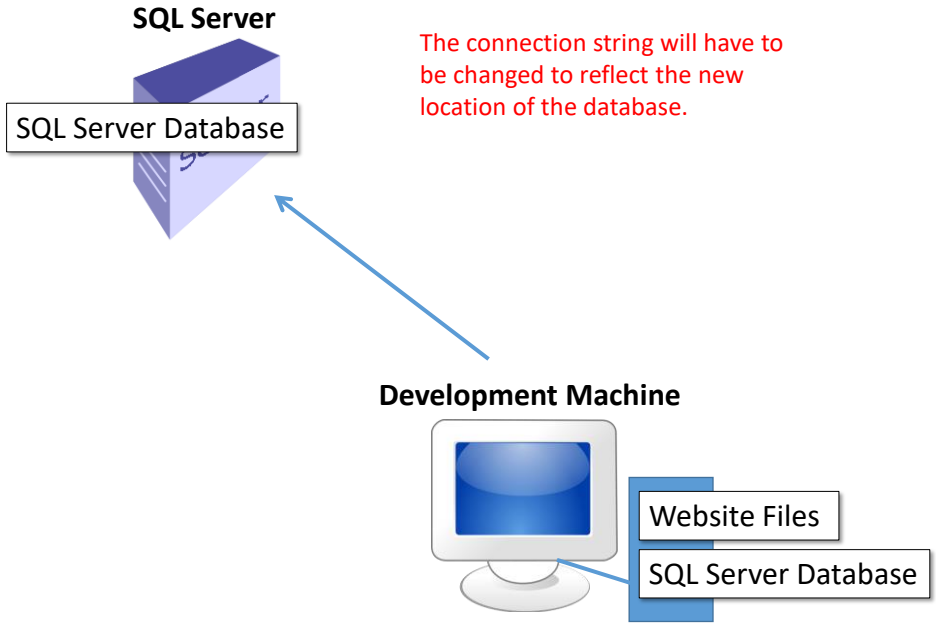


Check the Run immediately box and click Finish.

Now you should see something that looks like this.



You have now deployed your database.



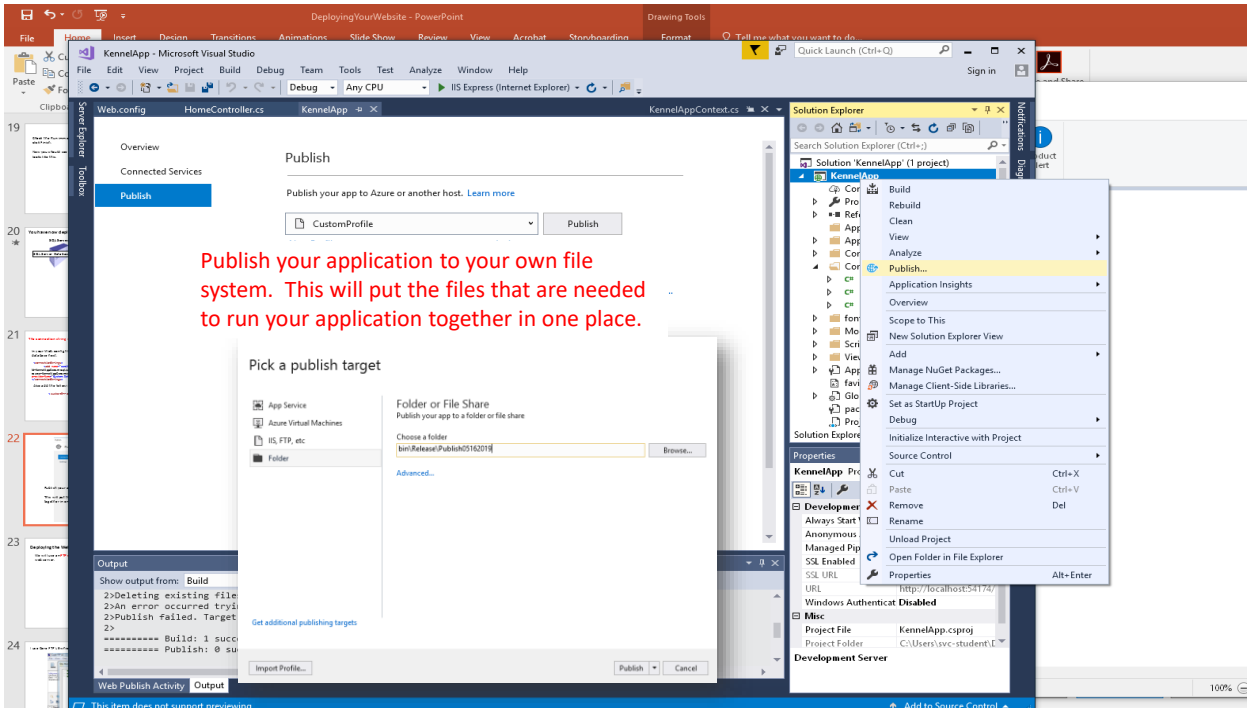
The connection string will have to be changed to reflect the new location of the database.

In your Web.config file, change the connection string to the one given to you by your database host.

```
 <connectionStrings>
       <add name="ssmit348ConnectionString" connectionString="workstation
id=KennelAppData.mssql.somee.com;packet size=4096;user id=ssmit348_SQLLogin_4;pwd=ebvf2sikpx;data
source=KennelAppData.mssql.somee.com;persist security info=False;initial catalog=KennelAppData"
providerName="System.Data.SqlClient" />
</connectionStrings>
```

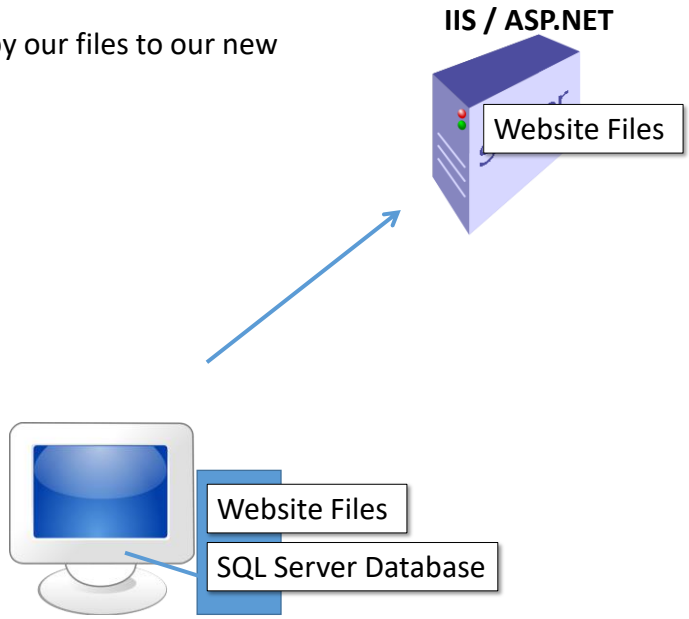
Also add the following inside <system.web> in web.config.

```
<customErrors mode="Off" />
```

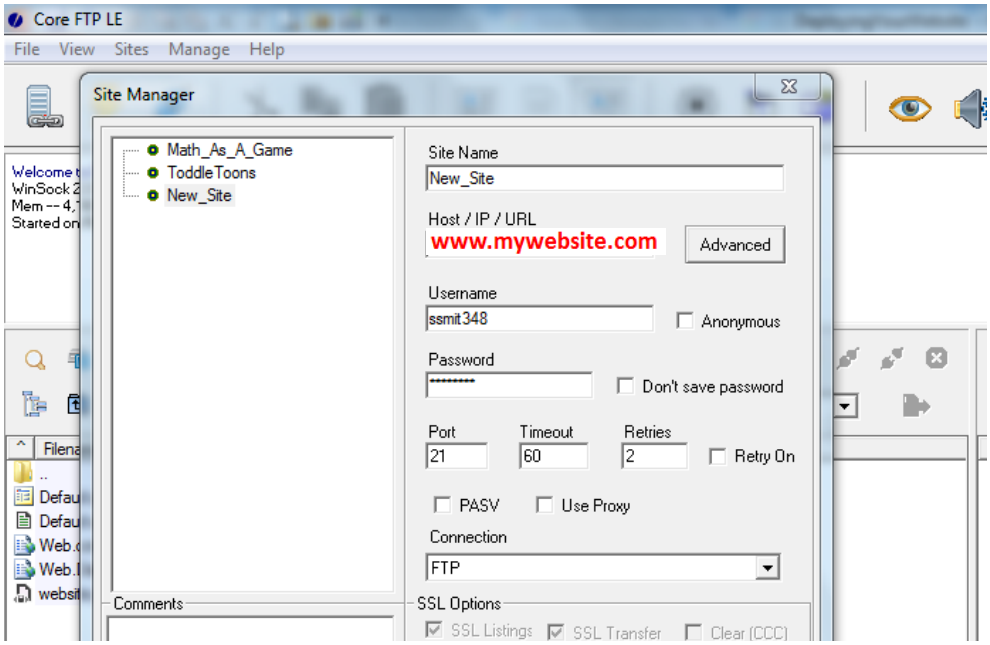


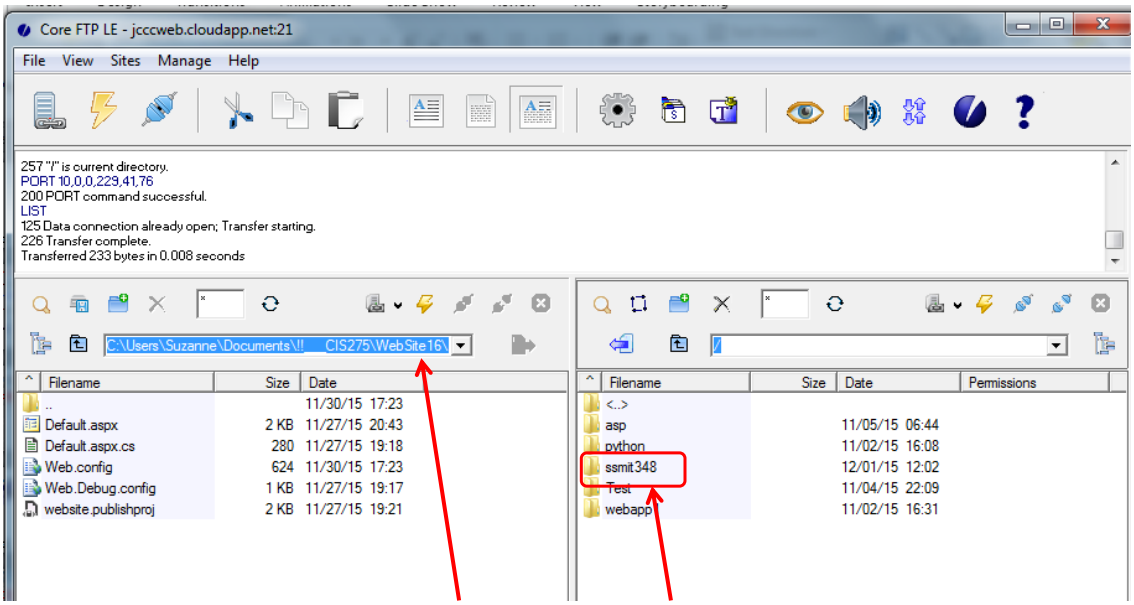
Deploying the Web Application

We will use an **FTP client** to copy our files to our new web server.



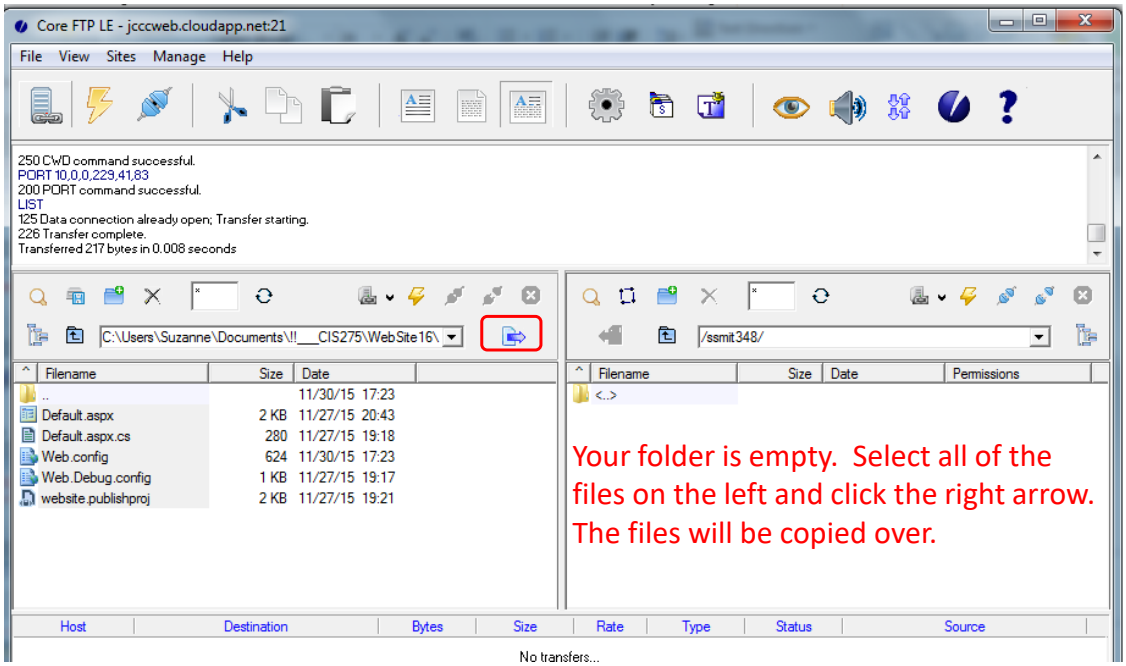
I use Core FTP LE which is free to download. JCCC computers have FileZilla which works well.

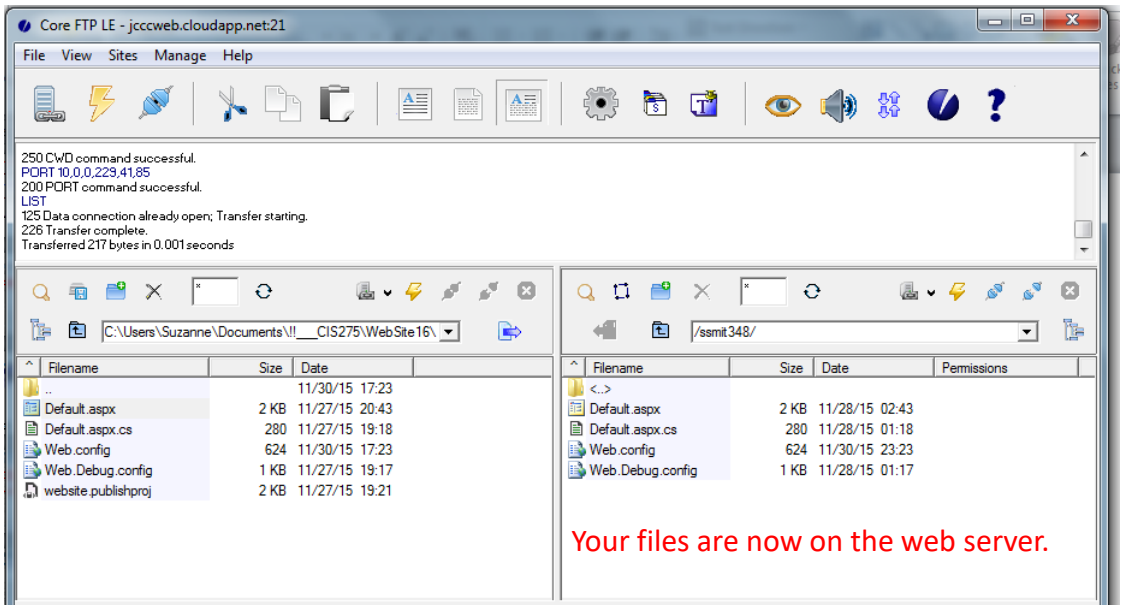




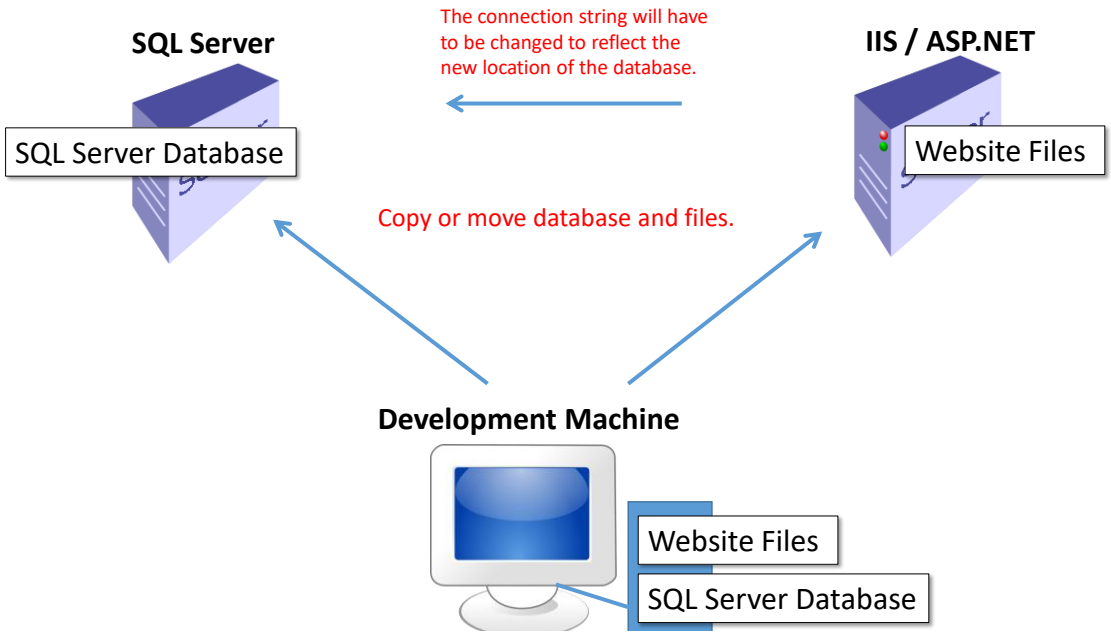
Find the folder on your computer that contains your application files.

Find the folder named as your username and double-click it.


Core FTP LE - jcccweb.cloudapp.net:21
File View Sites Manage Help
250 CWD command successful.
PORT 10,0,0,229,41,83
200 PORT command successful.
LIST
125 Data connection already open; Transfer starting.
226 Transfer complete.
Transferred 217 bytes in 0.008 seconds
C:\Users\Suzanne\Documents\!!___CIS275\WebSite16\
/ssmit348/
Filename Size Date
.. 11/30/15 17:23
Default.aspx 2 KB 11/27/15 20:43
Default.aspx.cs 280 11/27/15 19:18
Web.config 624 11/30/15 17:23
Web.Debug.config 1 KB 11/27/15 19:17
website.publishproj 2 KB 11/27/15 19:21
Filename Size Date Permissions
<..>
Your folder is empty. Select all of the files on the left and click the right arrow. The files will be copied over.
Host Destination Bytes Size Rate Type Status Source
No transfers...


Core FTP LE - jcccweb.cloudapp.net:21
File View Sites Manage Help
250 CWD command successful.
PORT 10,0,0,229,41,85
200 PORT command successful.
LIST
125 Data connection already open; Transfer starting.
226 Transfer complete.
Transferred 217 bytes in 0.001 seconds
C:\Users\Suzanne\Documents\!!___CIS275\WebSite16\
/ssmit348/
Filename Size Date
.. 11/30/15 17:23
Default.aspx 2 KB 11/27/15 20:43
Default.aspx.cs 280 11/27/15 19:18
Web.config 624 11/30/15 17:23
Web.Debug.config 1 KB 11/27/15 19:17
website.publishproj 2 KB 11/27/15 19:21
Filename Size Date Permissions
<..>
Default.aspx 2 KB 11/28/15 02:43
Default.aspx.cs 280 11/28/15 01:18
Web.config 624 11/30/15 23:23
Web.Debug.config 1 KB 11/28/15 01:17
Your files are now on the web server.

Deployment Is Complete



Create database

Open SSMS
(localdb)\MSSQLLocalDB

Attach MDF if not already there. (If open in VS, it will be there.)

Tasks>Export
Source keep as is.
Destination Use server name given by web host

Copy all data

grab connection String from webhost

In web.config
change connection string

add customErrors mode="Off" in System.Web

Publish to file system
Save maybe in outer folder of solution and put date in name

Then open Filezilla.
Upload everything from folder just created to website using server name given by webhost

Run.