

Detailed ODS Sandbox Deployment Documentation in IIS

Detailed ODS Sandbox Deployment Documentation in IIS	1
Introduction	3
Deployment Steps	4
1. Publish website and services	
2. Deploy published services to IIS	

Introduction

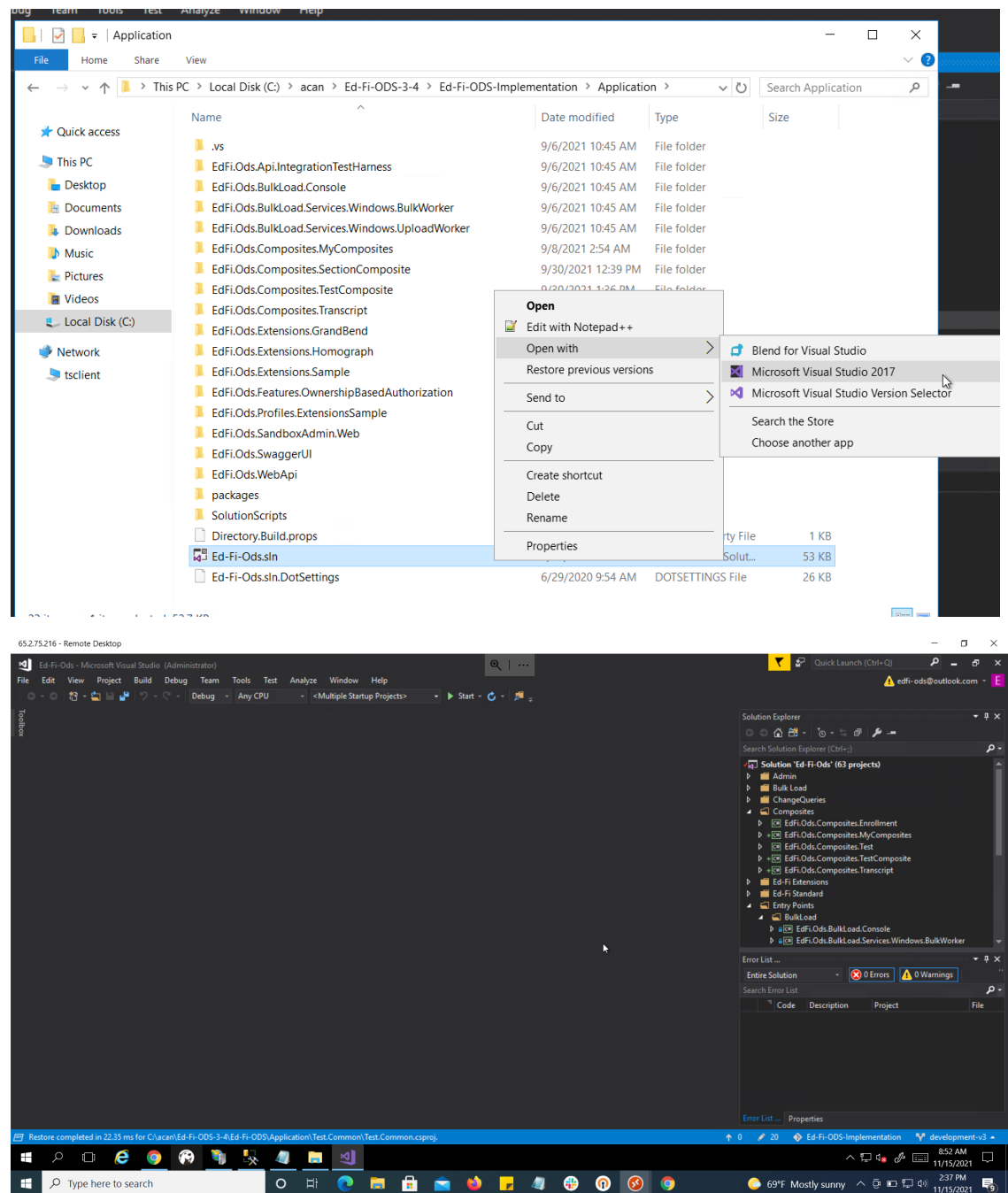
In this document we are trying to publish and deploy our ACAN composite on IIS. We are assuming that we have a working composite on the local system. Hence, it covers only the publishing and deployment part.

Deployment Steps

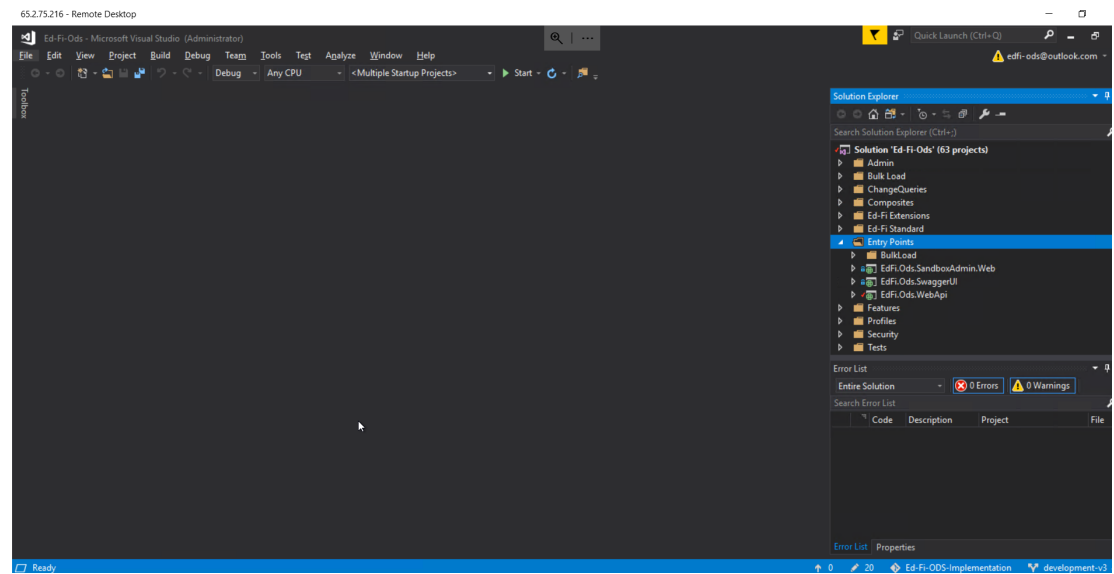
We have two steps to follow :

1. Publish websites and services

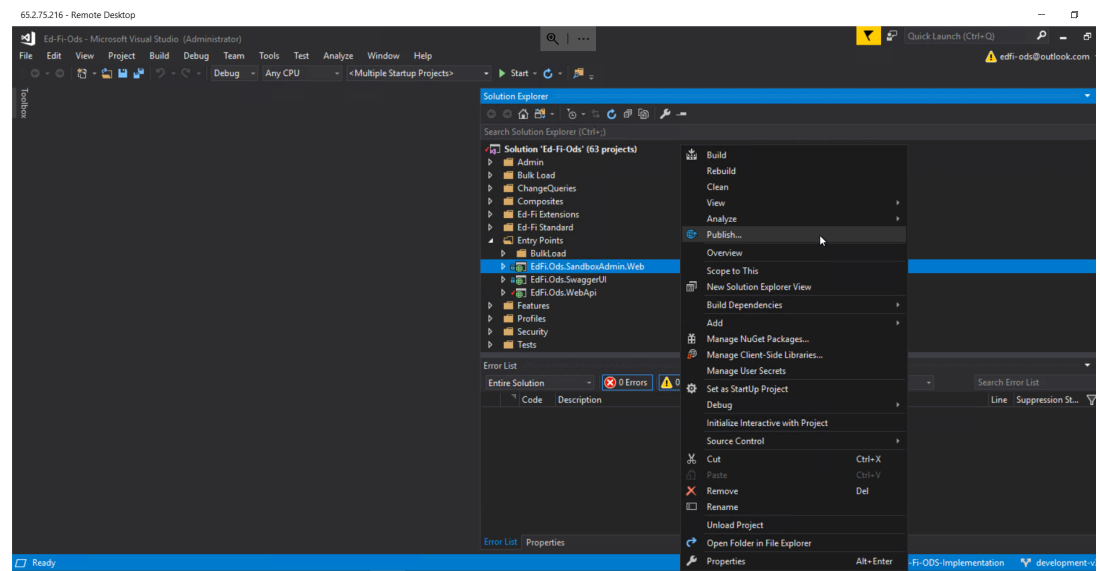
- Open “Ed-Fi-Ods.sln” solution file in visual studio.(project_folder\Ed-Fi-ODS-Implementation\Application\Ed-Fi-Ods.sln)



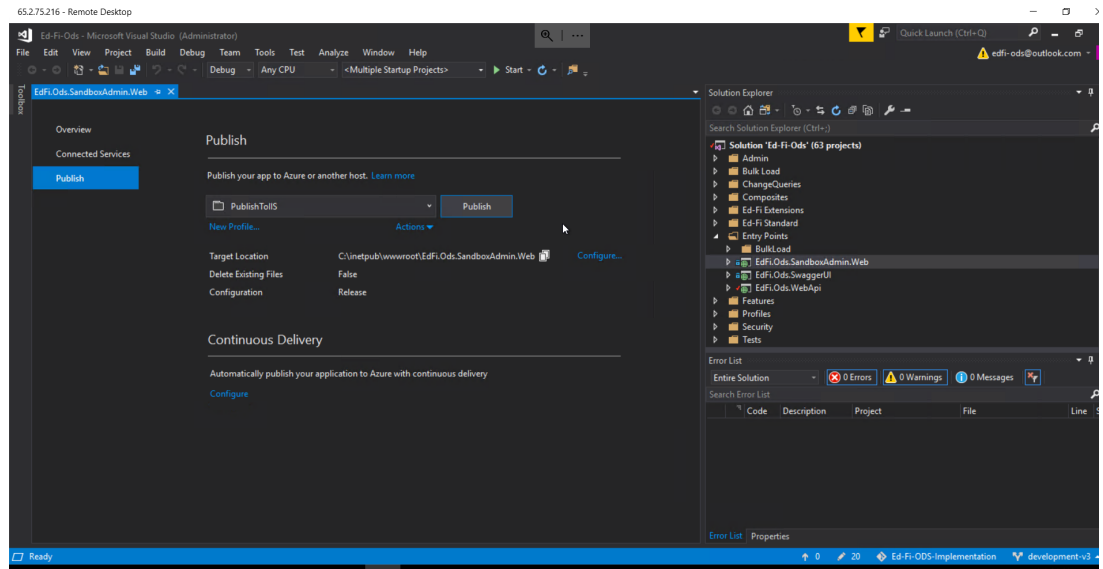
- On the right hand side, we have a solution explorer window. Navigate to the “Entry Points” folder.



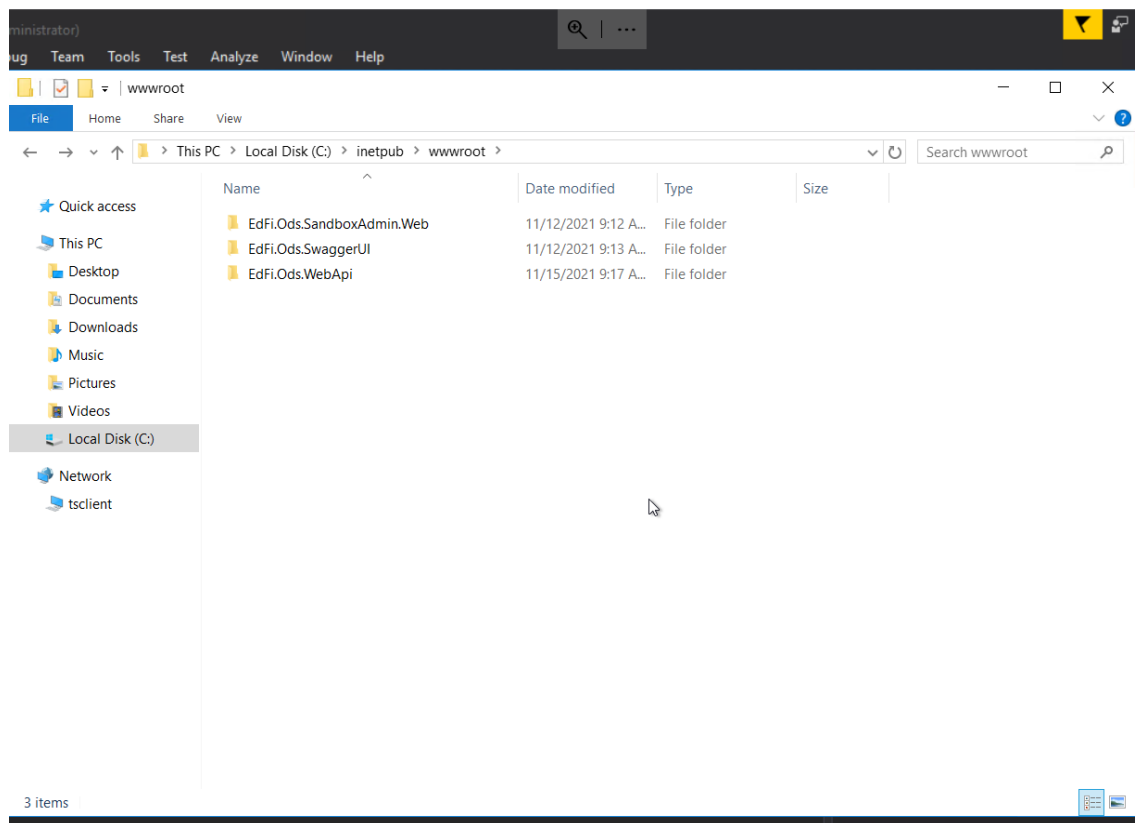
- Inside of the “Entry Points” folder right click on “EdFi.Ods.SandboxAdmin.Web” and select publish.



- New tab will open on the left side of the vs code window.



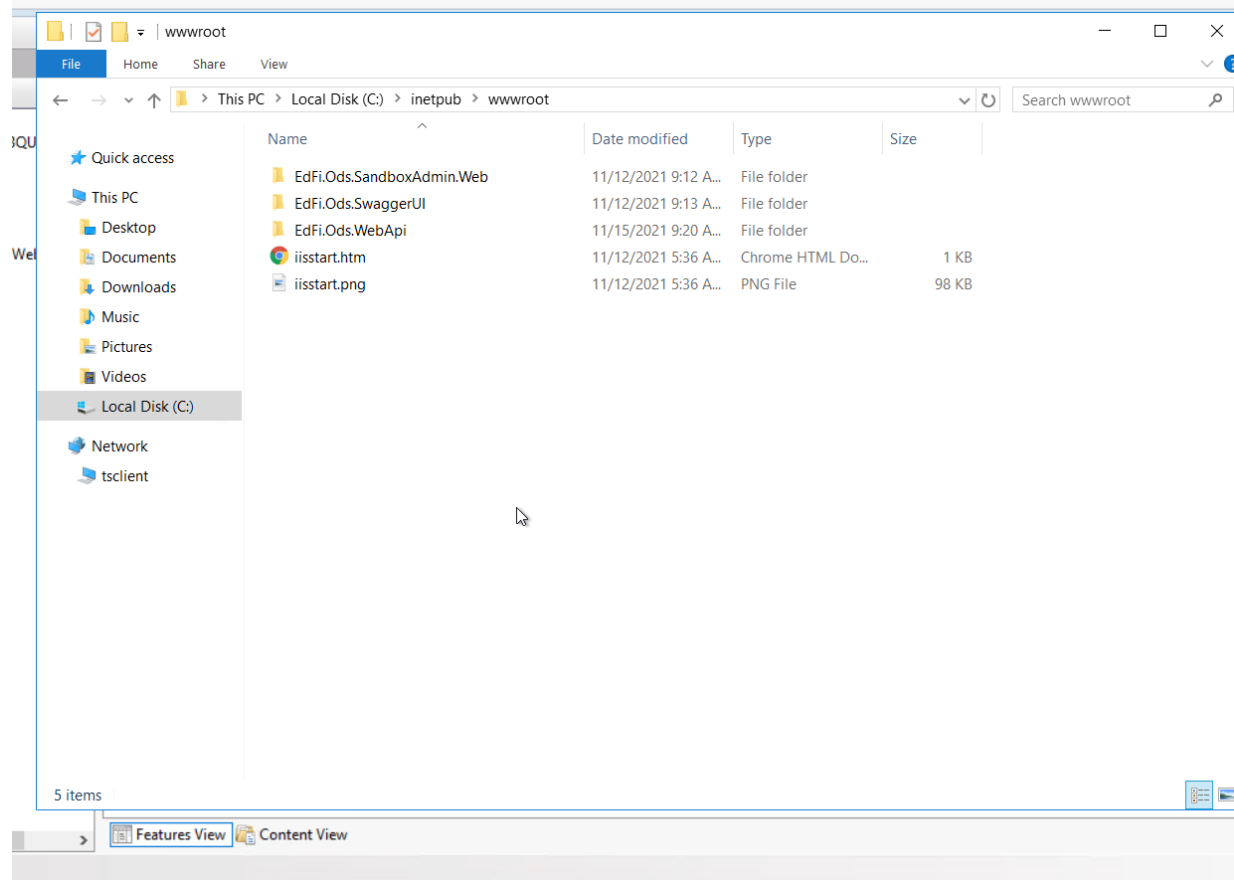
- Choose a Target location using “Configure”(or use default location) and click the publish button.
- Similarly, publish “EdFi.Ods.SwaggerUI” and “EdFi.Ods.WebApi” folders.
- Now, you will have three published folders.



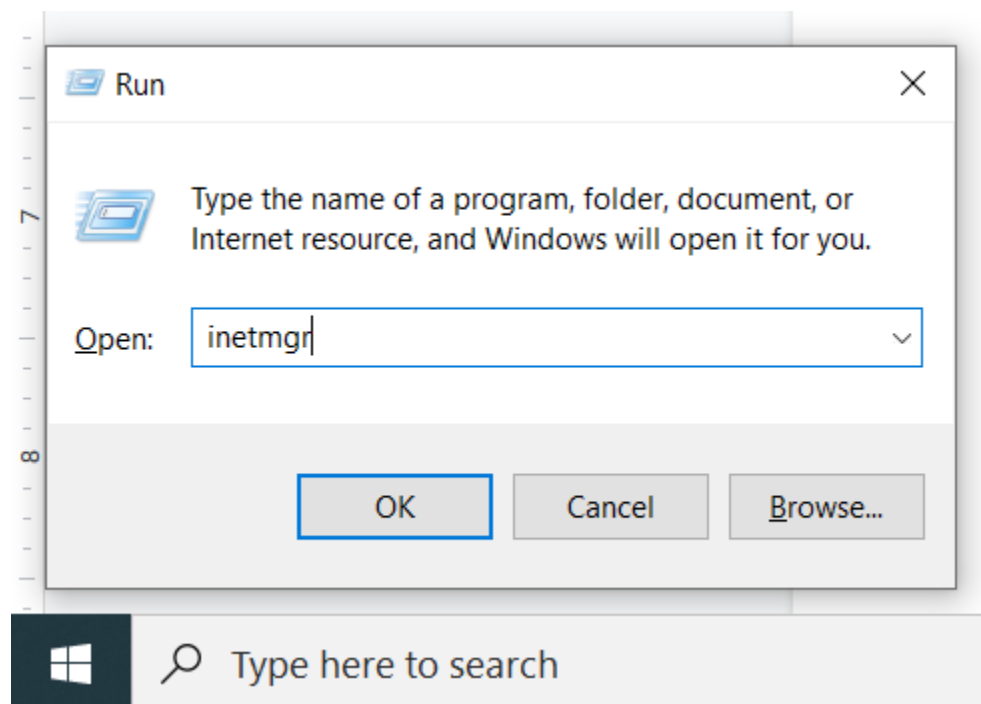
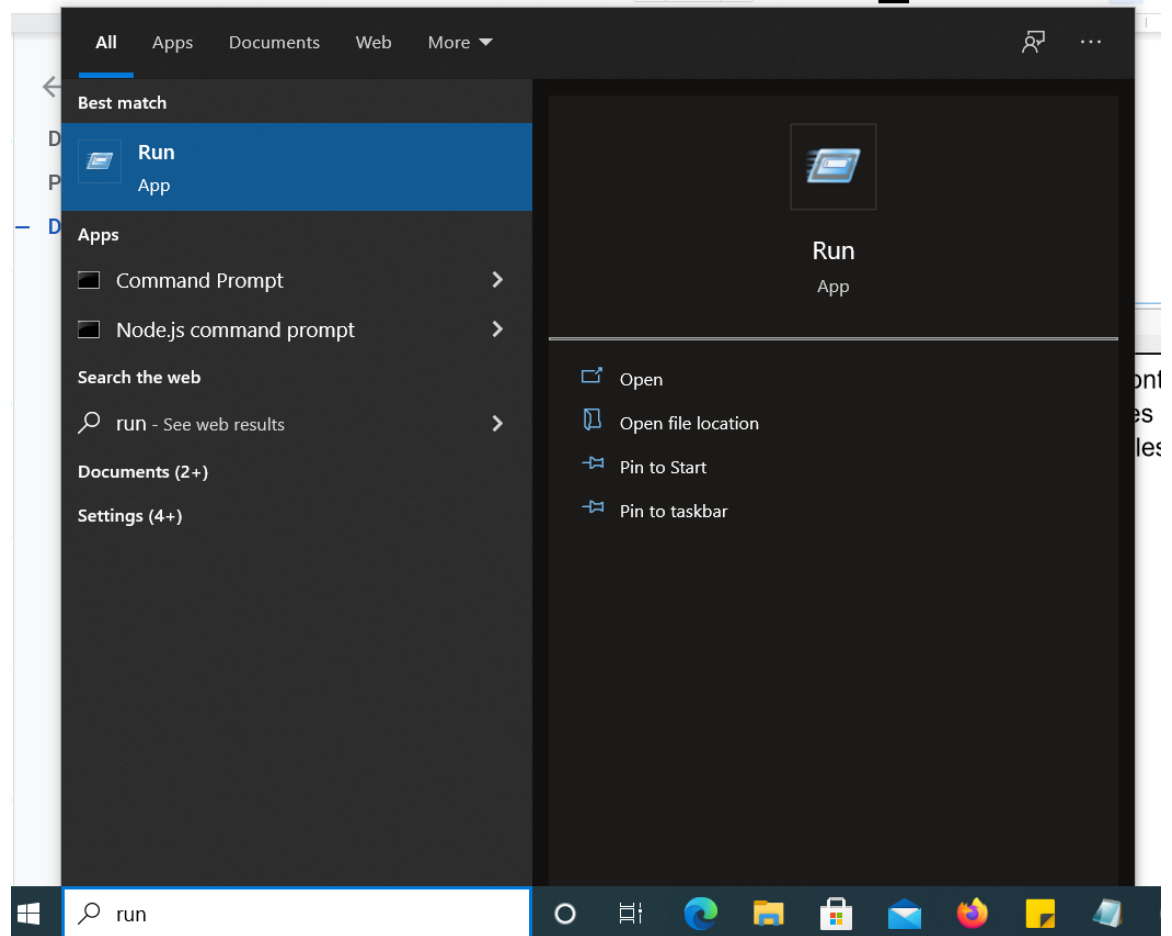
- Finally, the publishing part is done.

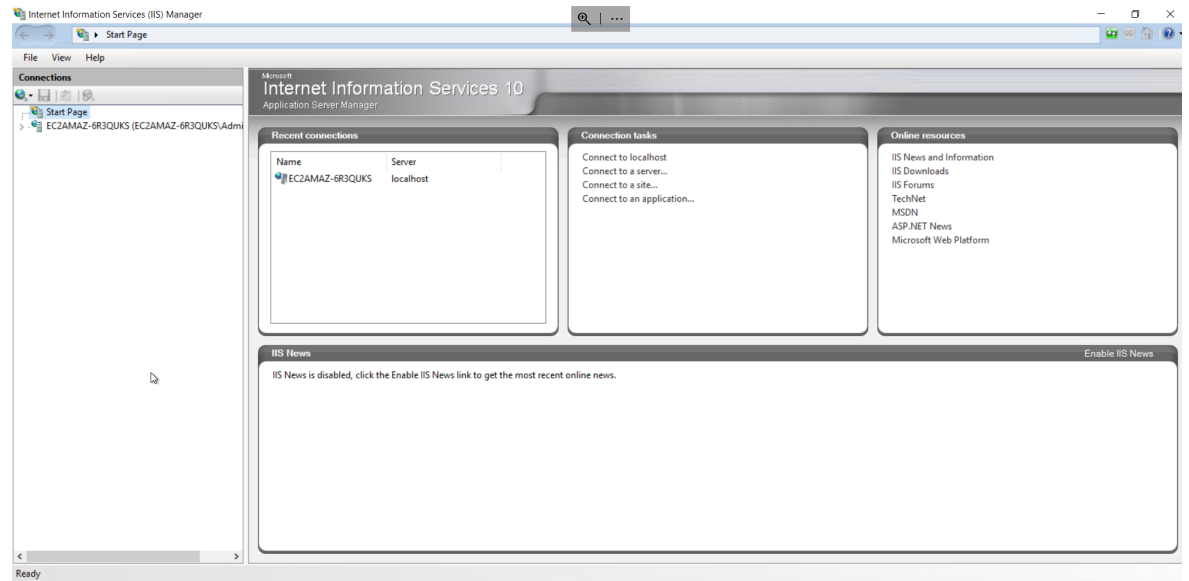
2. Deploy published services to IIS

- Copy all the published folders to the wwwroot folder(C:\inetpub\wwwroot) if you haven't published in that folder. Before moving the files take backup of the wwwroot folder.

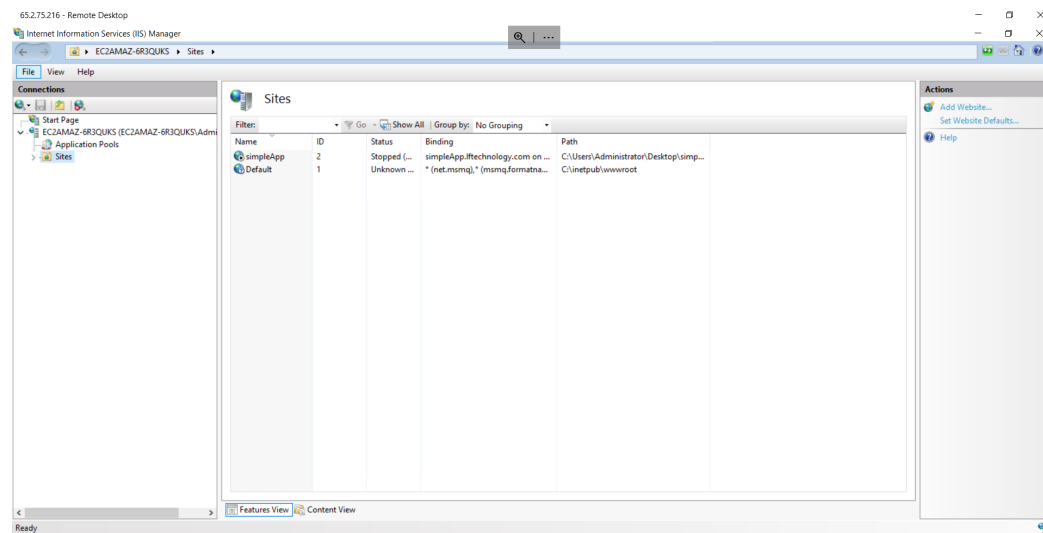


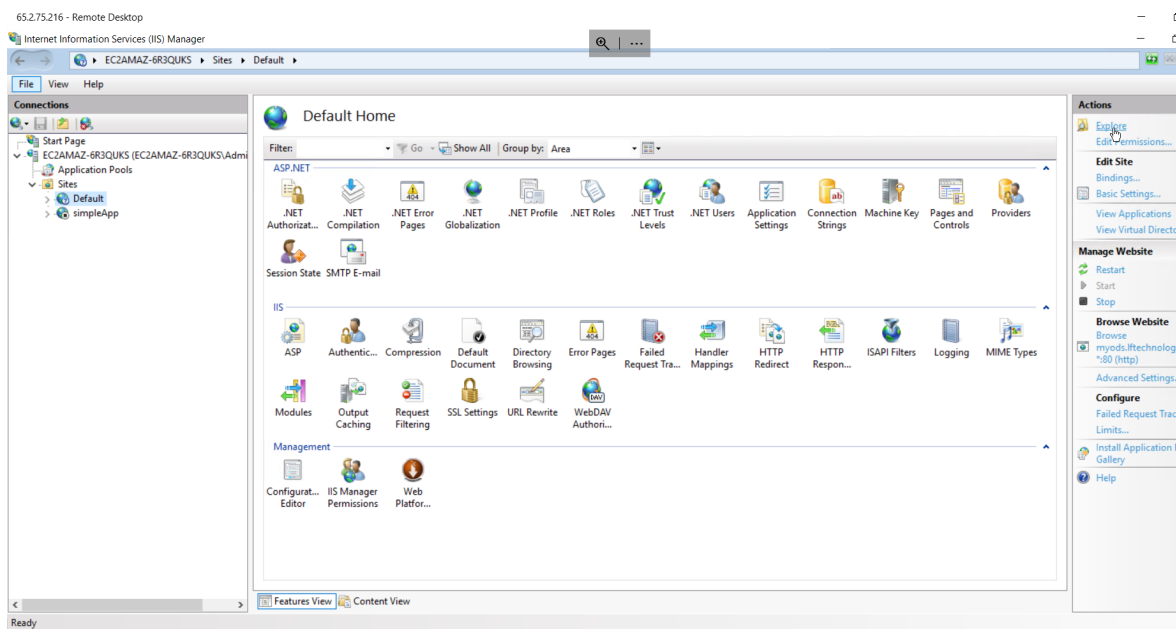
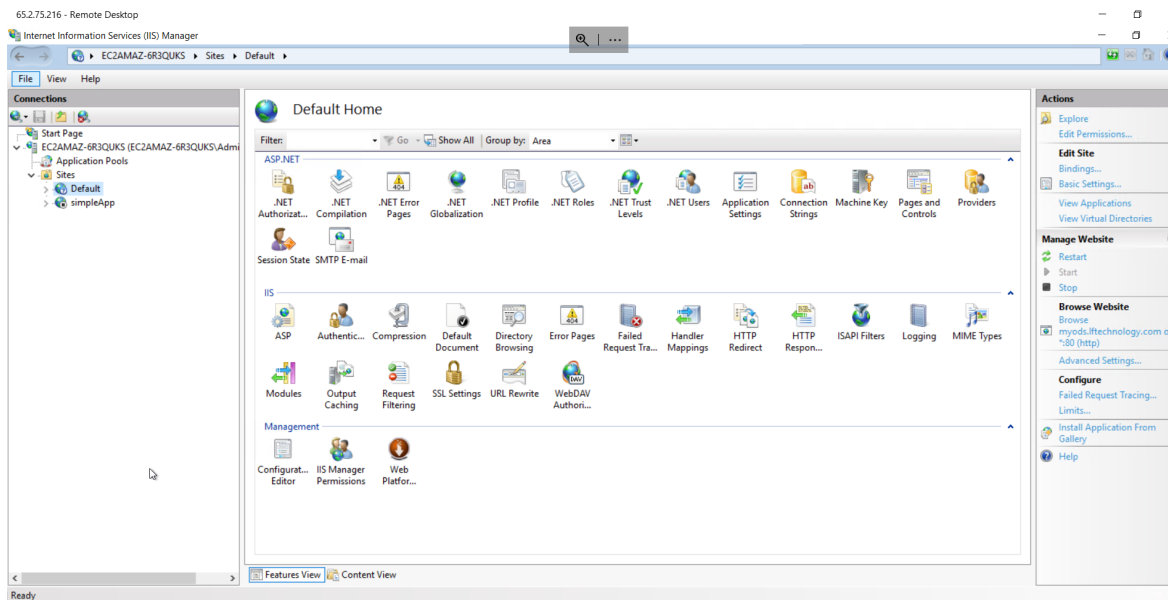
- Now, the wwwroot folder should have contents like shown above. “iisstart.html” and “iisstart.png” files are present by default in the wwwroot folder. However, those files are optional.
- We now need to open an IIS. Type run in the windows search bar and open it. Then type “inetmgr” in the run box and click ok. It will open an IIS.

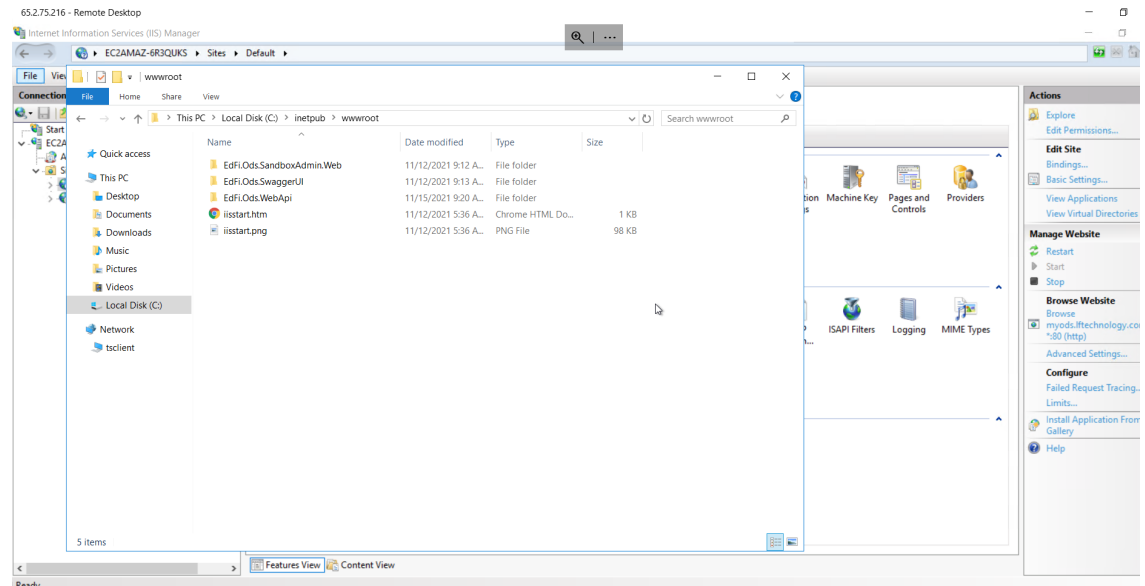




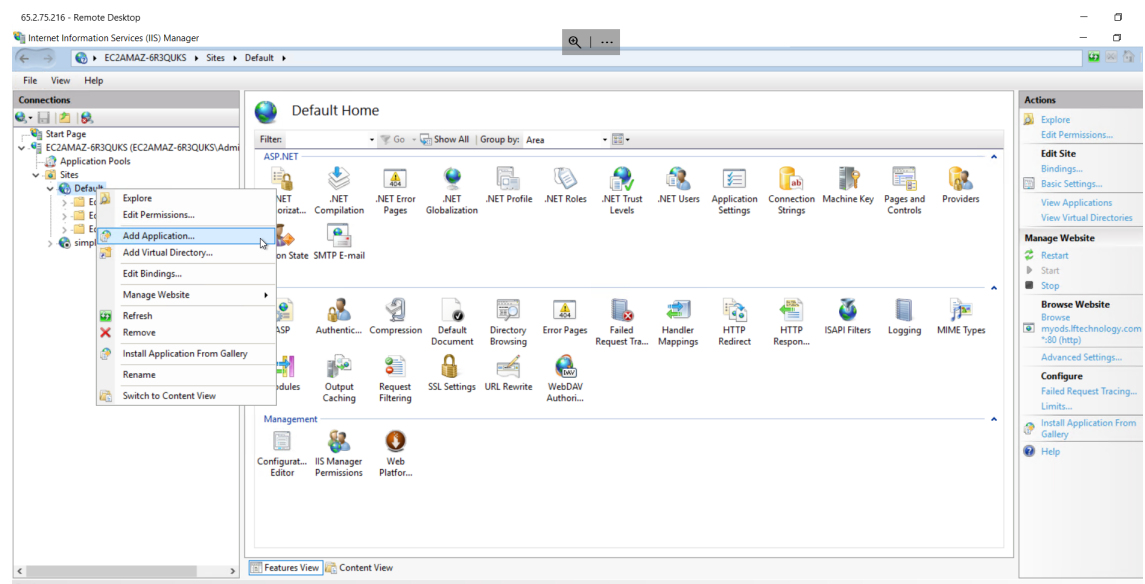
- Now browse to the “Sites” folder. Inside of the folder select “Default”. On the right hand side click “Explore” under Actions. Once you have clicked “Explore”, it will open a file explorer with a folder where we published our solution. Make sure that the published folders are in the directory pointed to by “Default”.

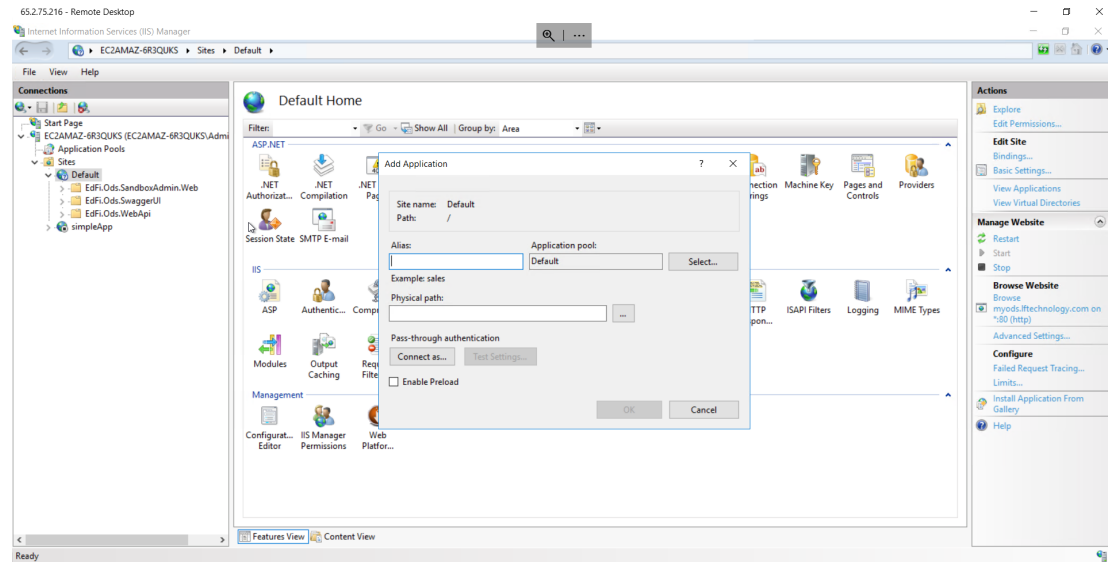




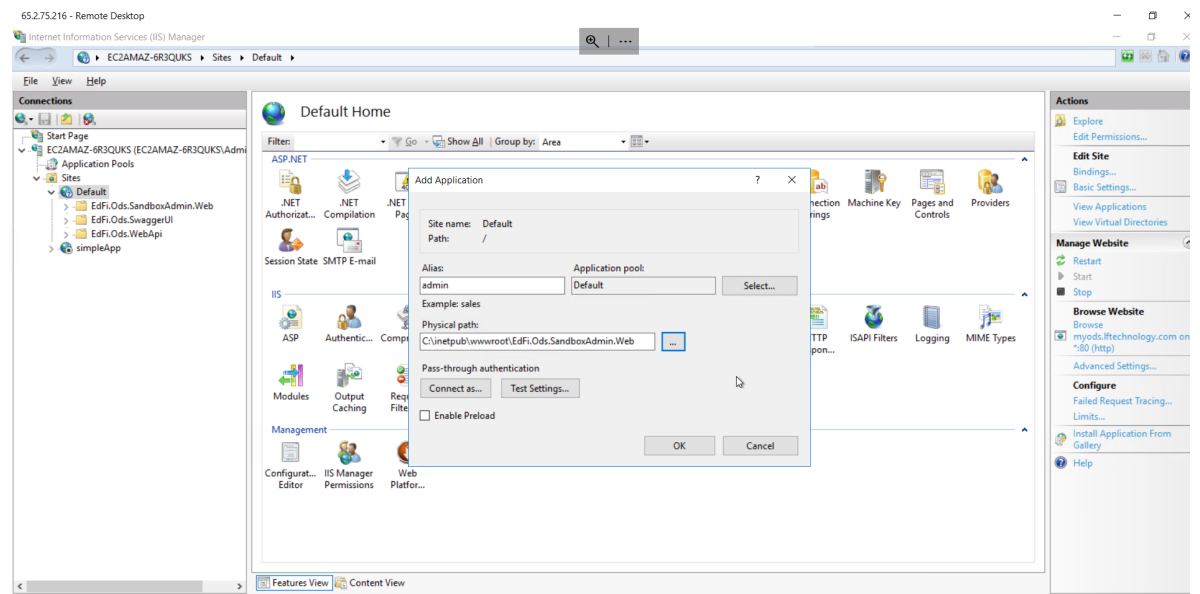


- Now go back to the IIS window and right click on “Default” and select “Add Application...”.

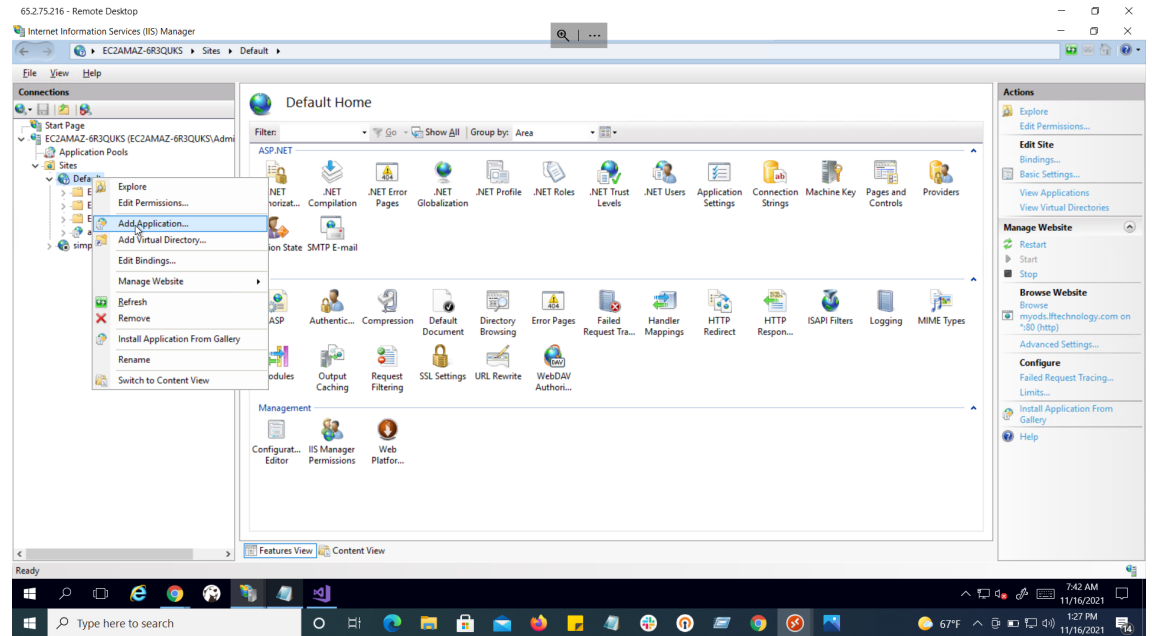




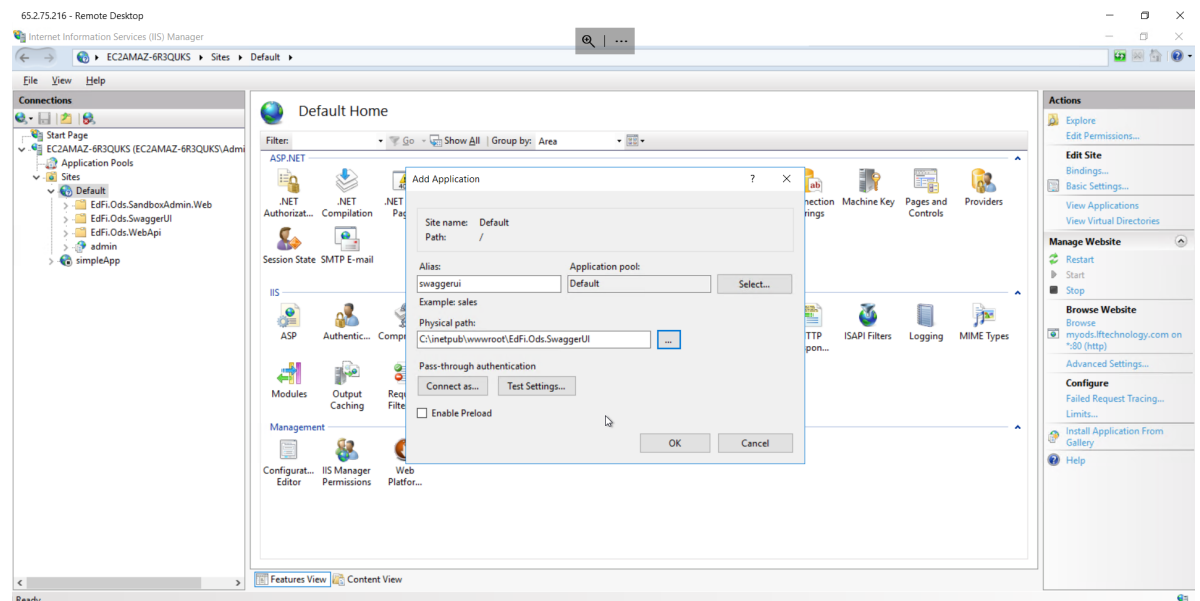
- Type “admin” in the alias box and point to the “EdFi.Ods.SandboxAdmin.Web” folder in the physical path and click OK.



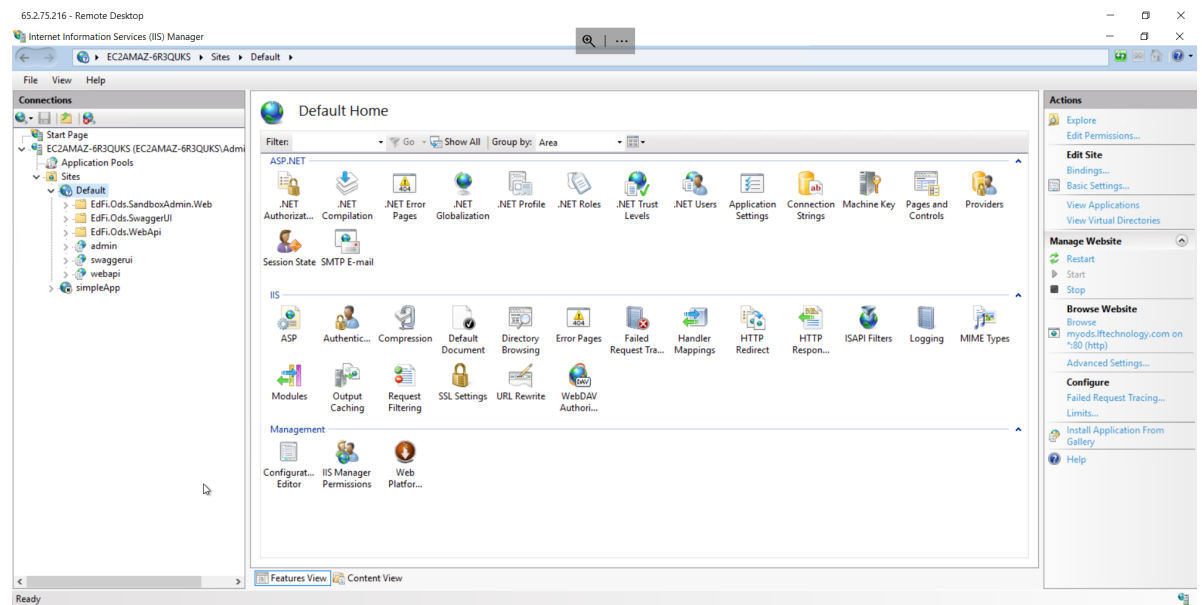
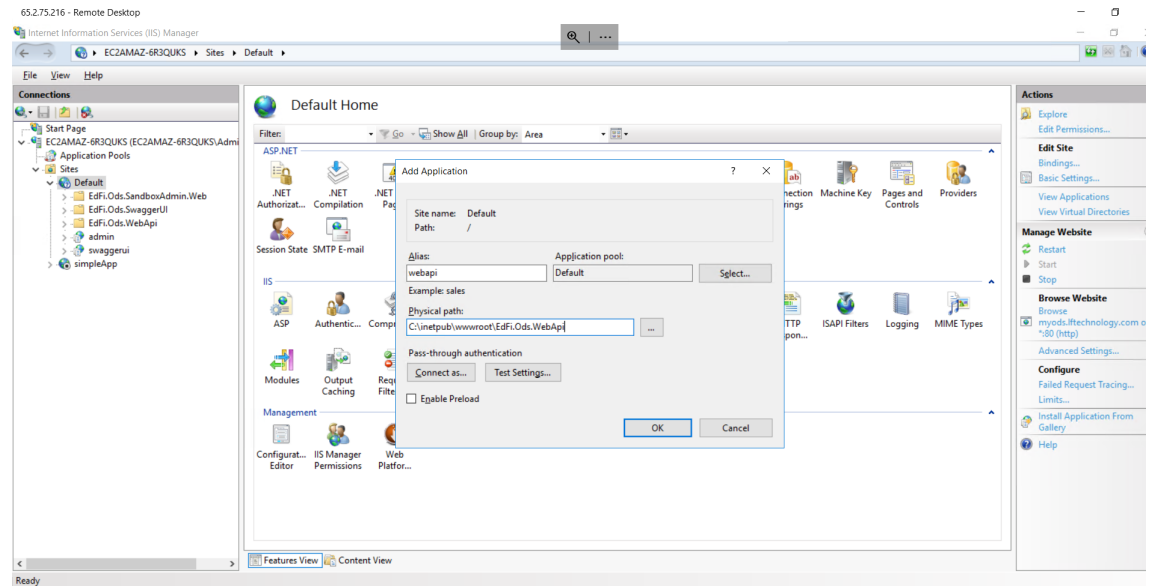
- Similarly, again add another application using the “Add Application...” as above.



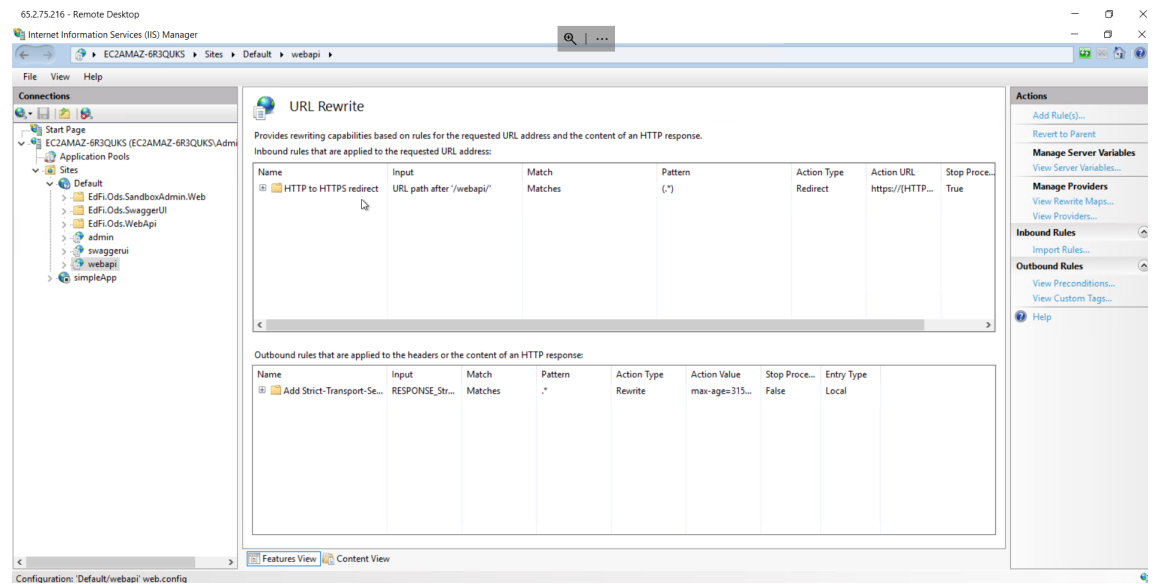
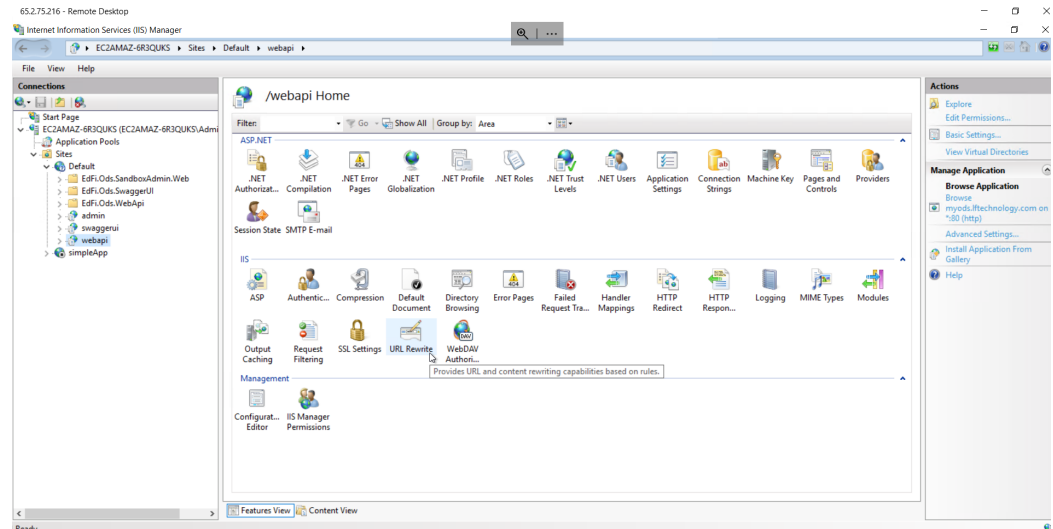
- Add swaggerui in the Alias box and point to “EdFi.Ods.SwaggerUI” folder in the physical path box.



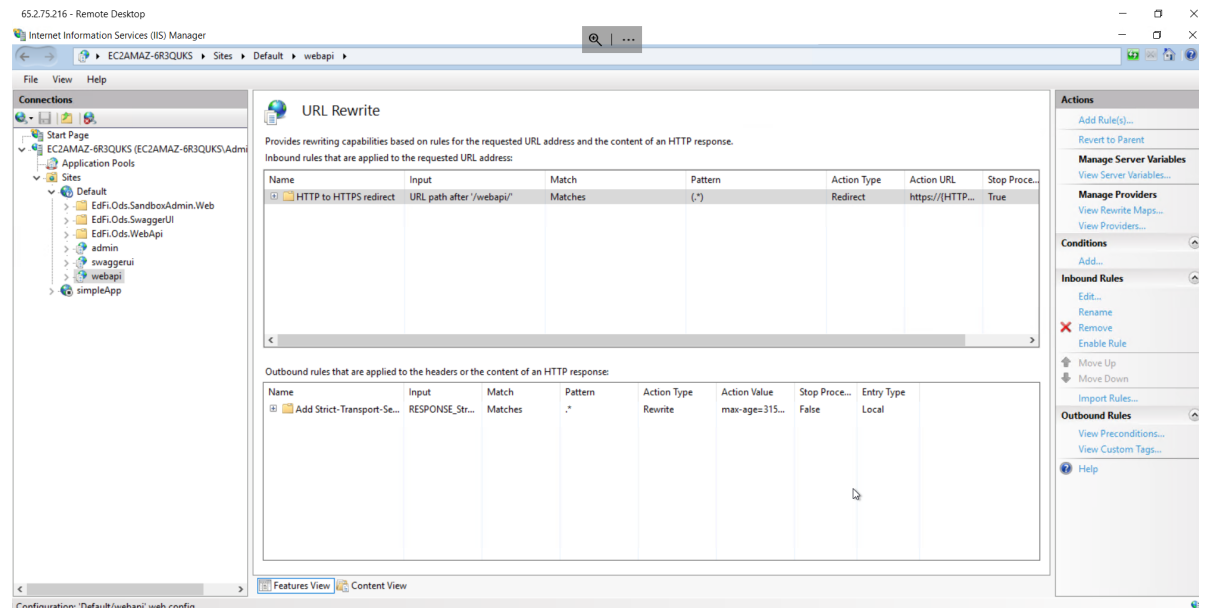
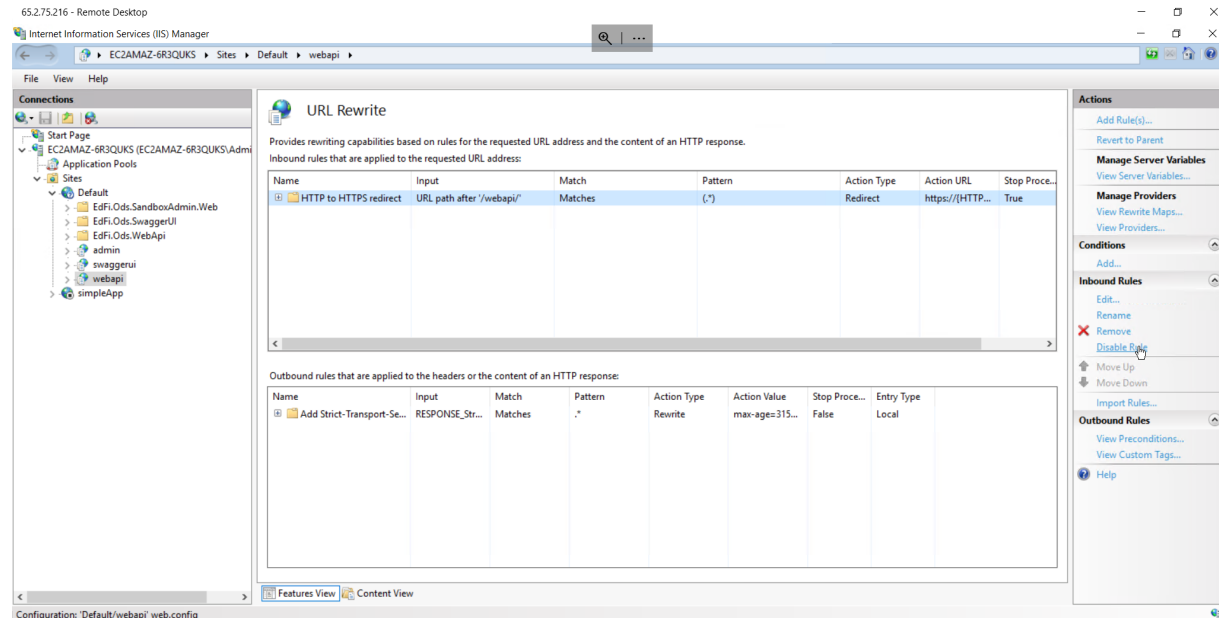
- Finally we have one last application to add to our default site. So, from the default site click “Add Application...”
Now, enter webapi as Alias and point to “EdFi.Ods.WebApi” folder in the physical path box. Click OK.



- From the above screenshot we can see that we have added three applications to the Default site i.e. admin, swaggerui and webapi.
- Select webapi application and double click “URL rewrite” option.

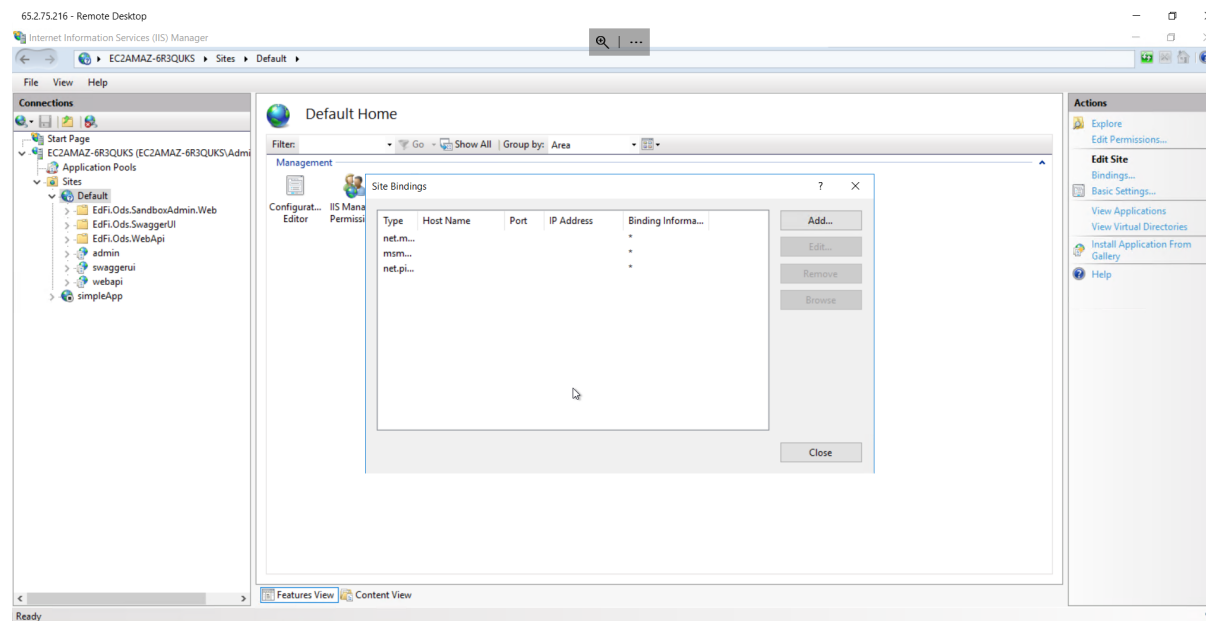
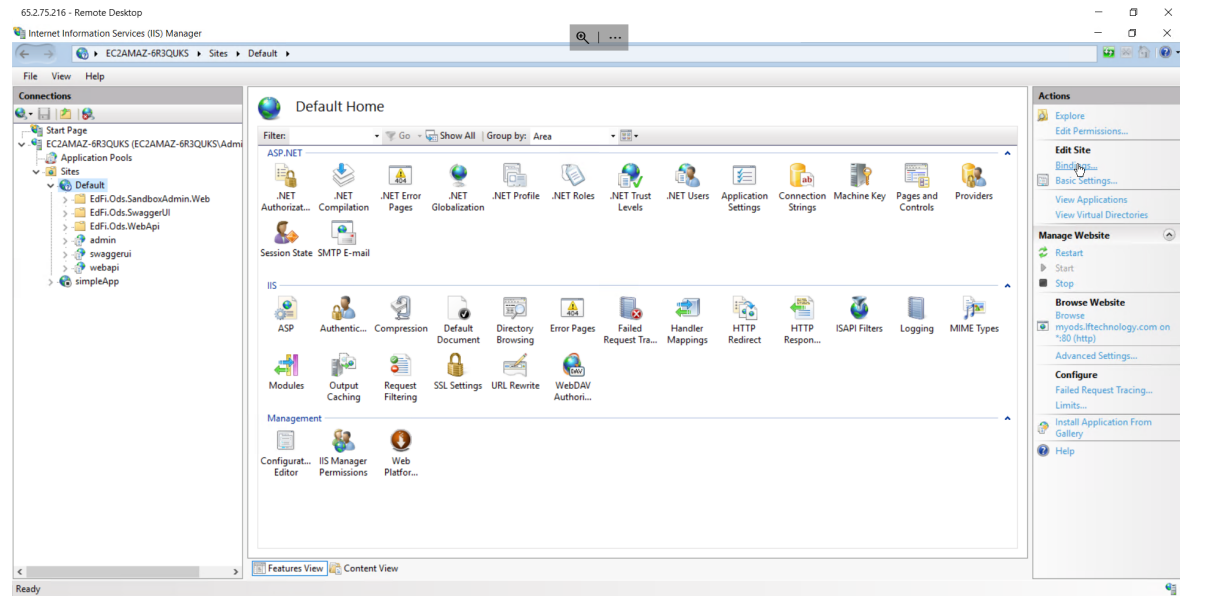


- Select the HTTP to HTTPS redirect folder in the Inbound rules section and click “Disable Rule” from the right part of the Inbound Rules section.

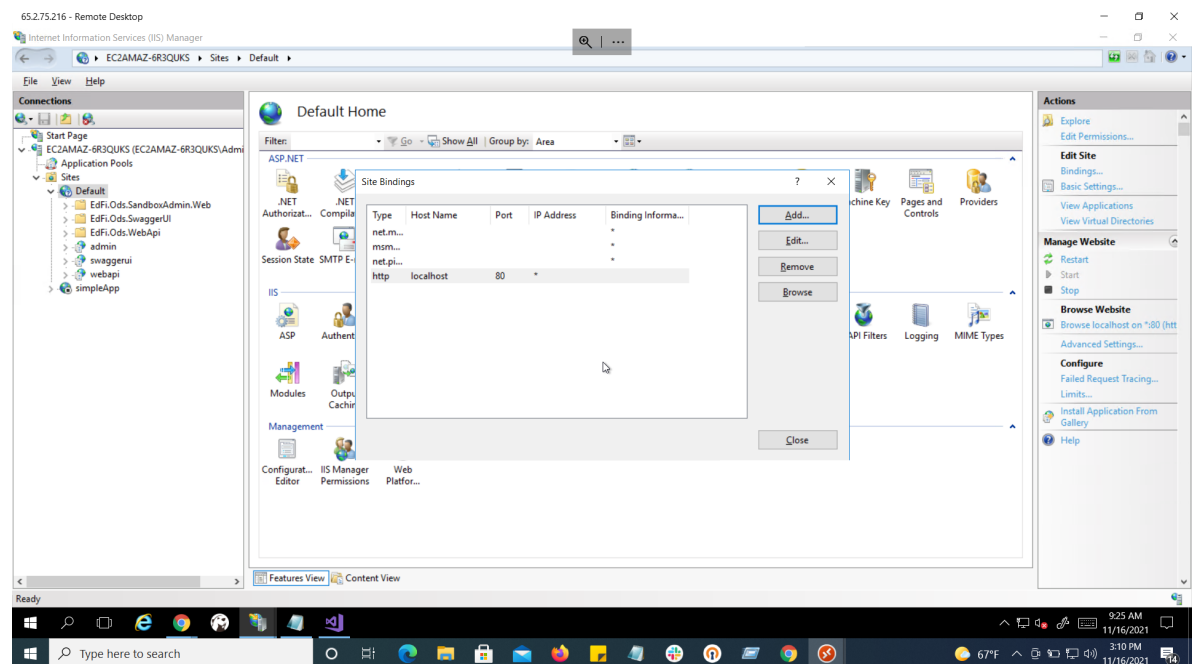
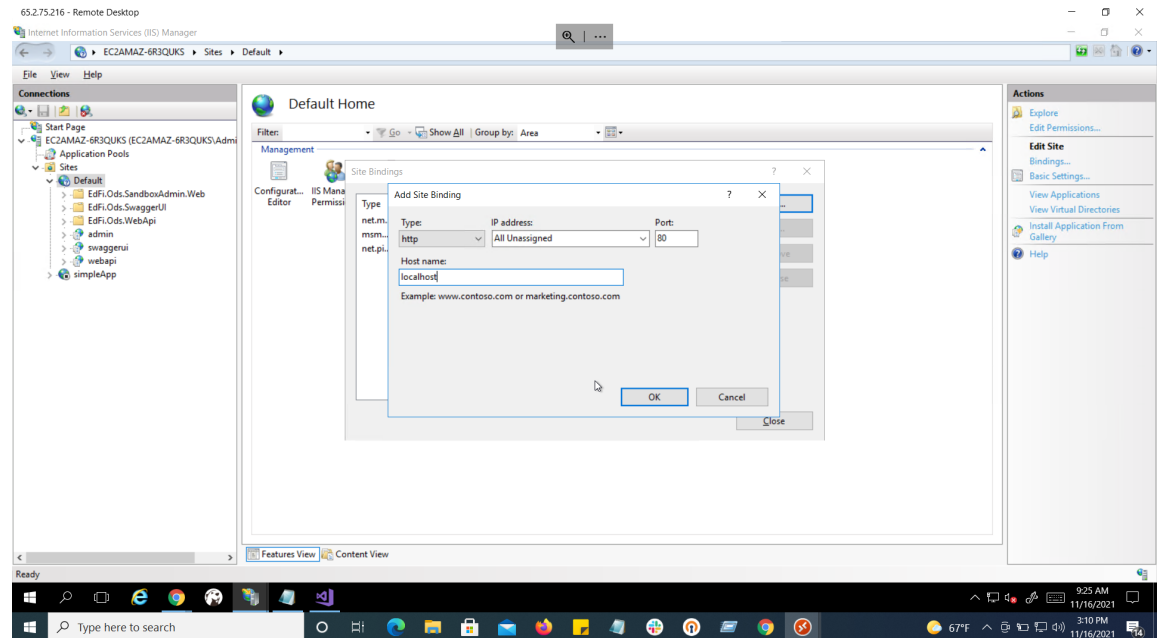


Note : We are disabling redirects to https as it requires a certificate configuration and for testing purposes http is good enough.

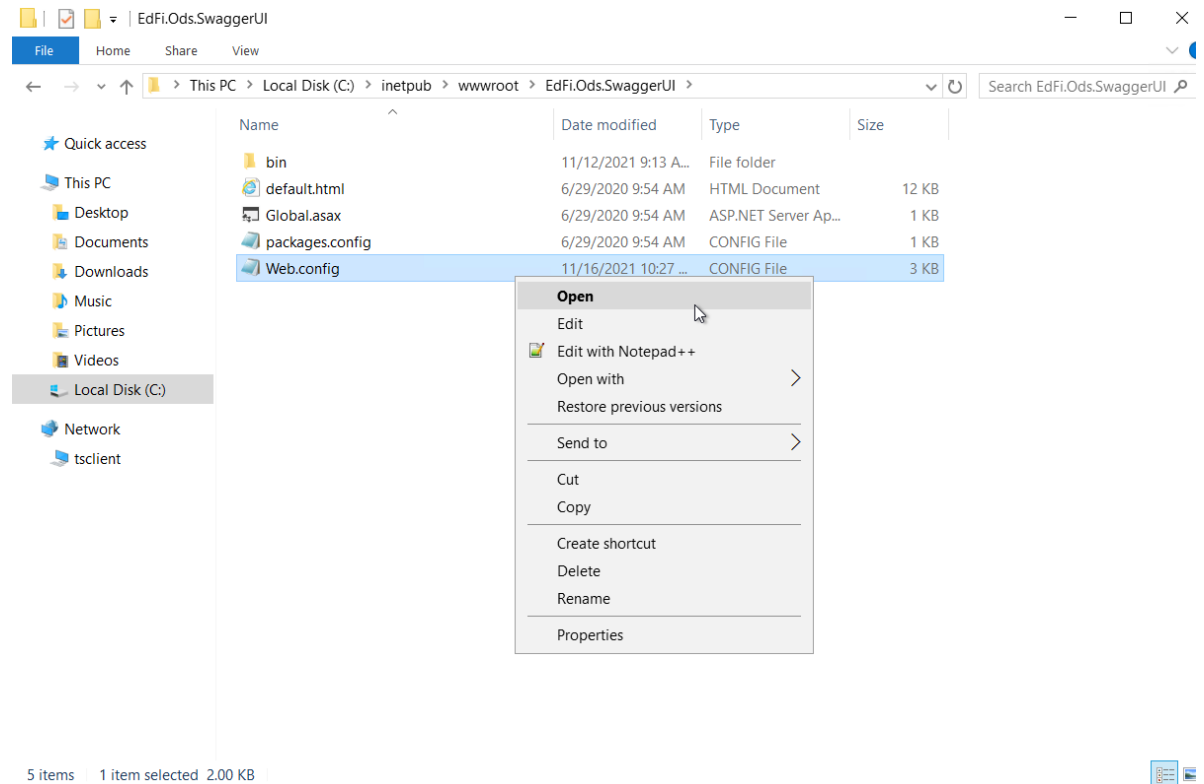
- We will now configure bindings for our website. First select “Default” inside of Sites. Then, open “Bindings...” from the Edit Site section from the right hand side of the IIS window.



- In the Site Bindings window, click Add. Once it opens, add “localhost” as the Host name field with http selected as a Type. Finally, click OK.



- Now, we need to configure the Web.config file from EdFi.Ods.SwaggerUI folder.



In the above file replace two of the lines

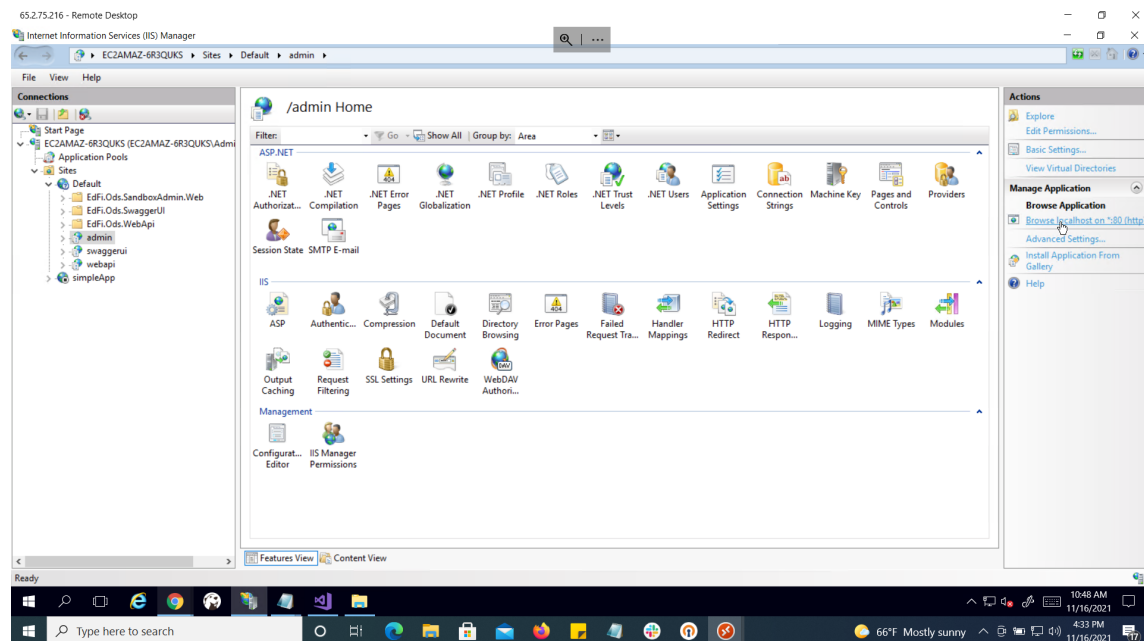
```
<add key="swagger.webApiMetadataUrl" value="http://localhost:54746/metadata/" />
<add key="swagger.webApiVersionUrl" value="http://localhost:54746/" />
```

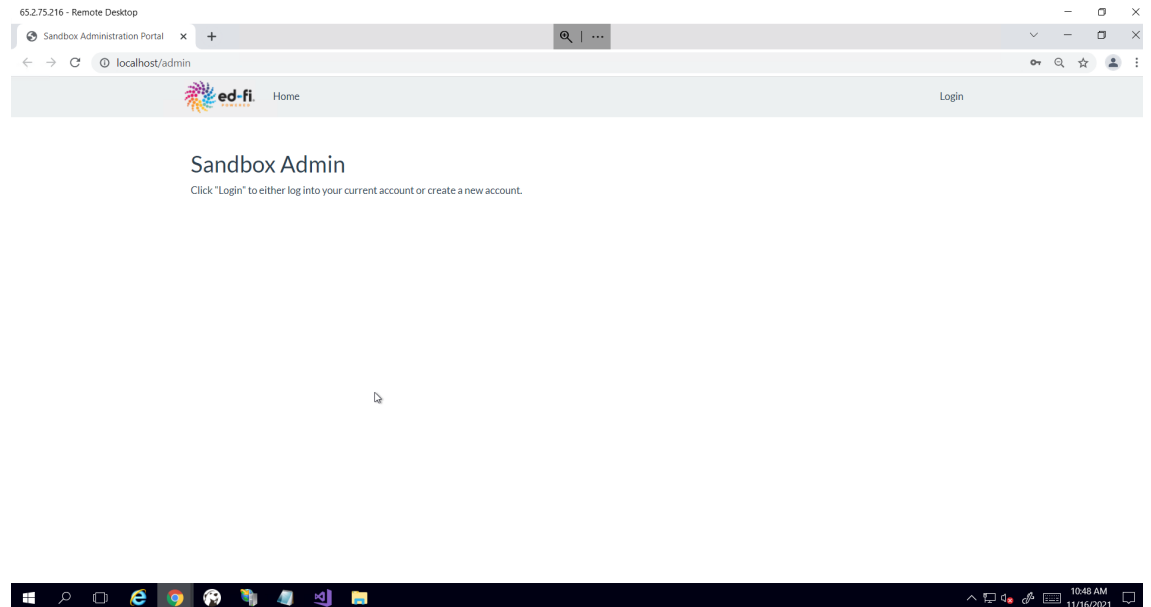
with

```
<add key="swagger.webApiMetadataUrl" value="http://localhost/webapi/metadata" />
<add key="swagger.webApiVersionUrl" value="http://localhost/webapi" />
```

and save the Web.config file.

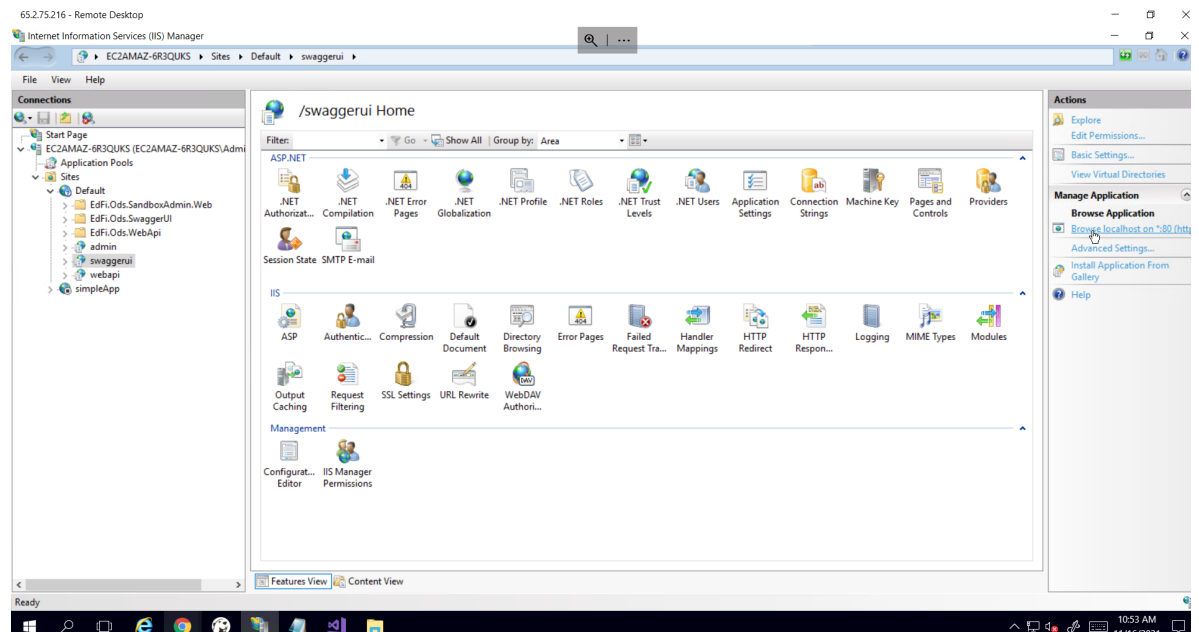
- Now, go back to the IIS window. Select admin application and click “Browse localhost on *:80(http)” from the Manage Application part in the right hand side of the IIS window.

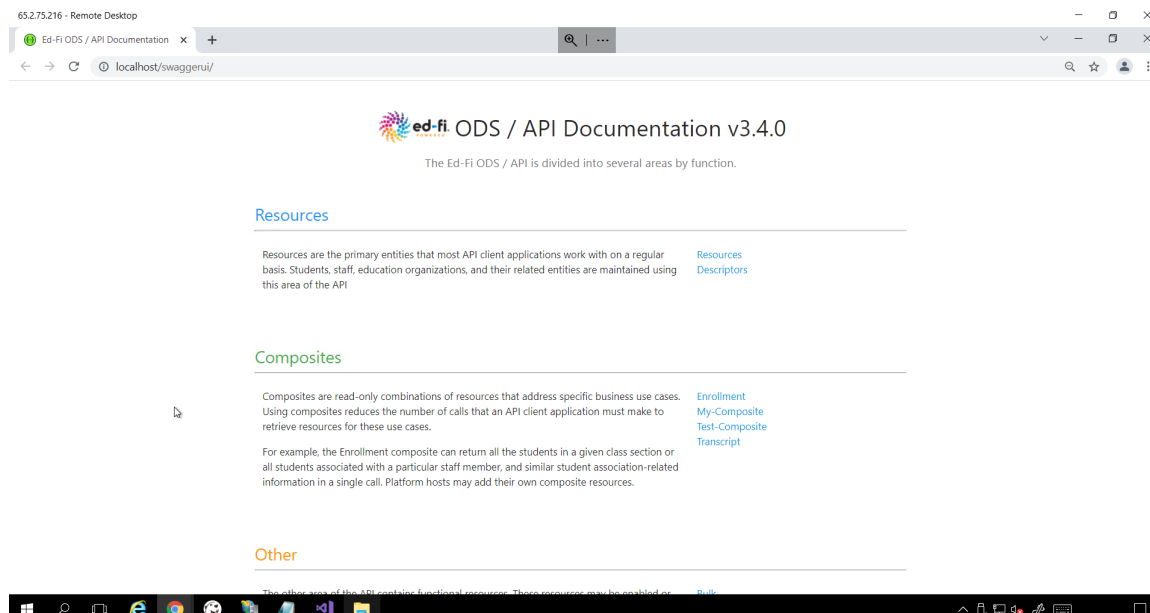




Note : For login credentials go to
Ed-Fi-ODS-Implementation\Application\EdFi.Ods.Admin.Web\AdminCredential.config file.

- We can also browse the swaggerui application following the above procedure.





Finally we have successfully deployed ODS and its services in IIS as Sandbox.