

Practical No. 9

App Development using Cloud Computing

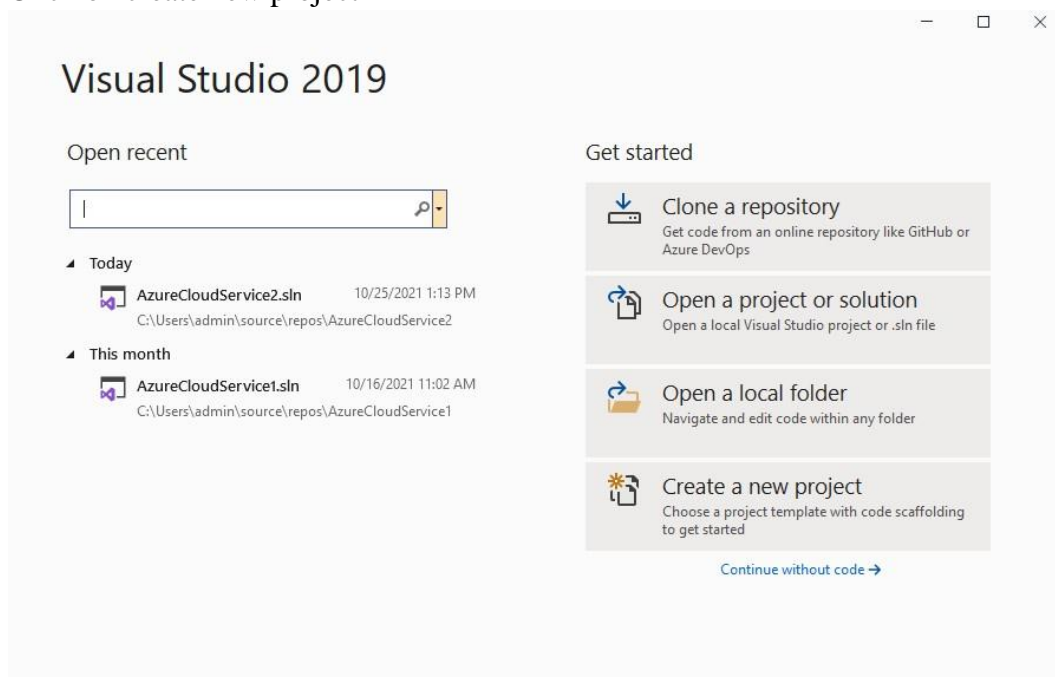
Aim: Develop application for Microsoft Azure

Step 1:

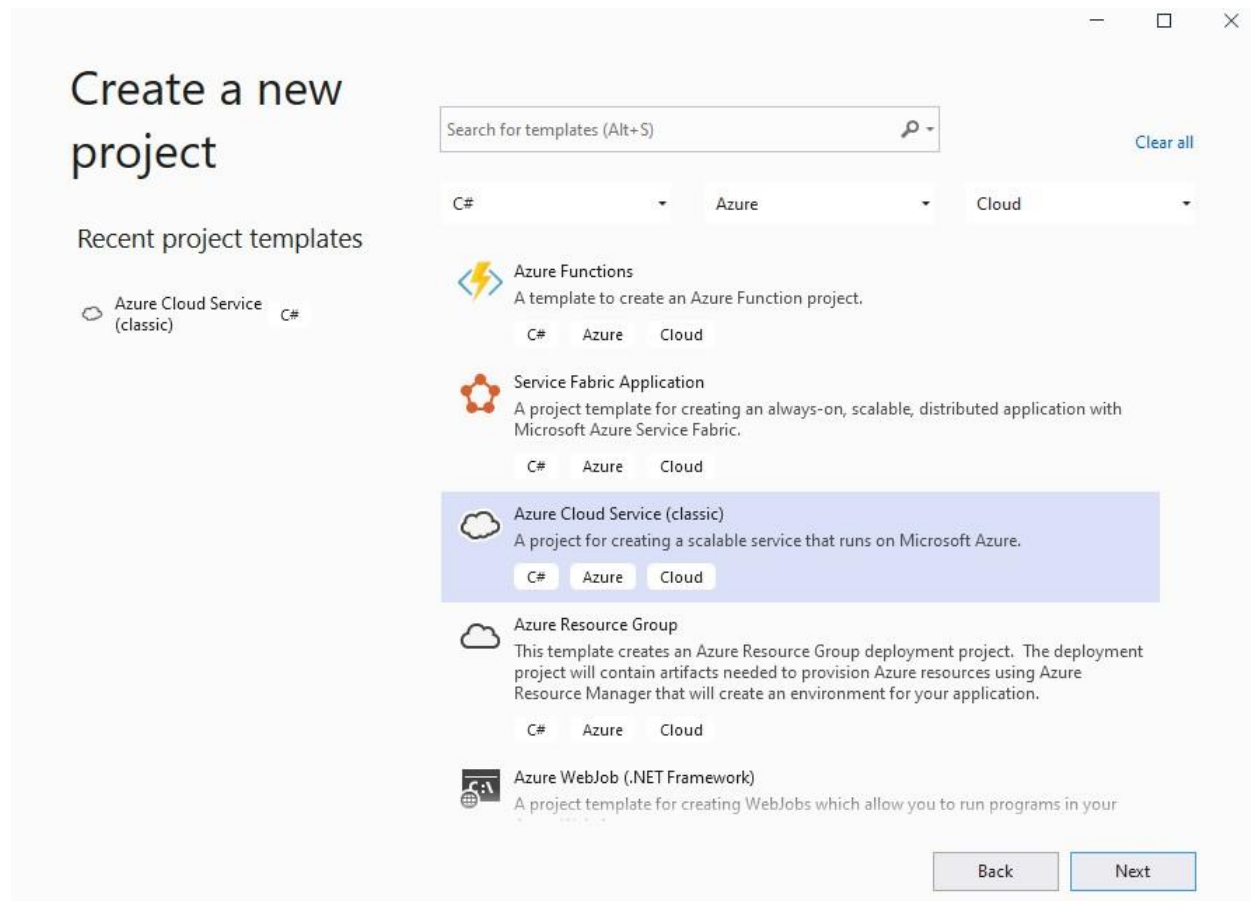
To develop an application for Windows Azure on Visual Studio 2019, install the Visual Studio 2019.

Step2:

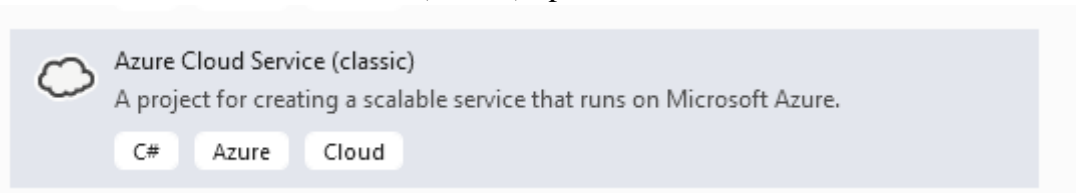
- Open Visual Studio 2019
- Click on create new project



- After clicking on Create new project, a **New Project Window** will open



- In above window, choose **Language** as C#, **Platform** as Azure, **Project** as Cloud
- Then select Azure Cloud Service(classic) option



- Click Next
- Configure project window will appear.

Configure your new project

Azure Cloud Service (classic) C# Azure Cloud

Project name

Location

Solution name ⓘ

☐ Place solution and project in the same directory

Framework

Back Create

- Enter Project name(AzureCloudService3), then click on Create button.
- New Microsoft Azure Cloud Service(Classic) window will appear as below. Select Visual C# -> ASP.net Web Role.

New Microsoft Azure Cloud Service (classic)

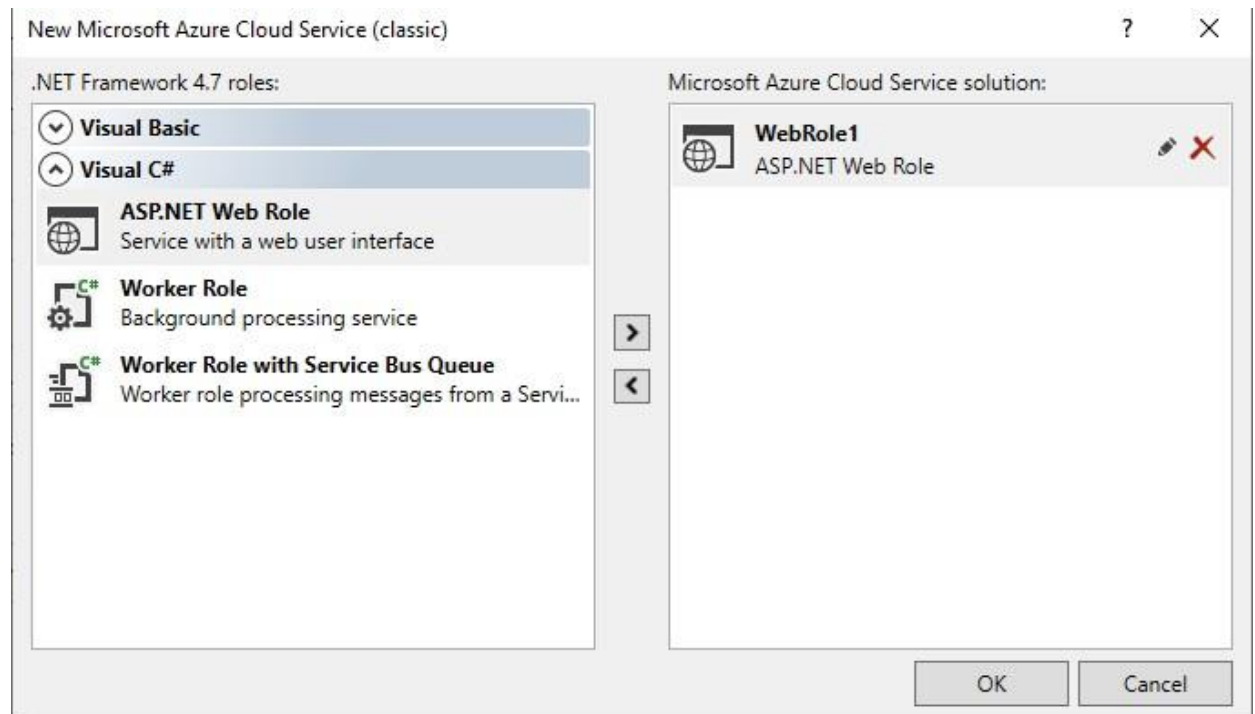
.NET Framework 4.7 roles:

- Visual Basic
- Visual C#
 - ASP.NET Web Role**
Service with a web user interface
 - Worker Role
Background processing service
 - Worker Role with Service Bus Queue
Worker role processing messages from a Servi...

Microsoft Azure Cloud Service solution:


OK Cancel


- Click on > **button for add role to solution.**
- Below window will appear.





- Click on OK button.
- Below window will appear.


Create a new ASP.NET Web Application

**Empty**
An empty project template for creating ASP.NET applications. This template does not have any content in it.

**Web Forms**
A project template for creating ASP.NET Web Forms applications. ASP.NET Web Forms lets you build dynamic websites using a familiar drag-and-drop, event-driven model. A design surface and hundreds of controls and components let you rapidly build sophisticated, powerful UI-driven sites with data access.

**MVC**
A project template for creating ASP.NET MVC applications. ASP.NET MVC allows you to build applications using the Model-View-Controller architecture. ASP.NET MVC includes many features that enable fast, test-driven development for creating applications that use the latest standards.

**Web API**
A project template for creating RESTful HTTP services that can reach a broad range of clients including browsers and mobile devices.

**Single Page Application**
A project template for creating rich client side JavaScript driven HTML5 applications using ASP.NET Web API. Single Page Applications provide a rich user experience which includes client-side interactions using HTML5, CSS3, and JavaScript.

Authentication
No Authentication
[Change](#)

Add folders & core references
☐ Web Forms
☐ MVC
☐ Web API

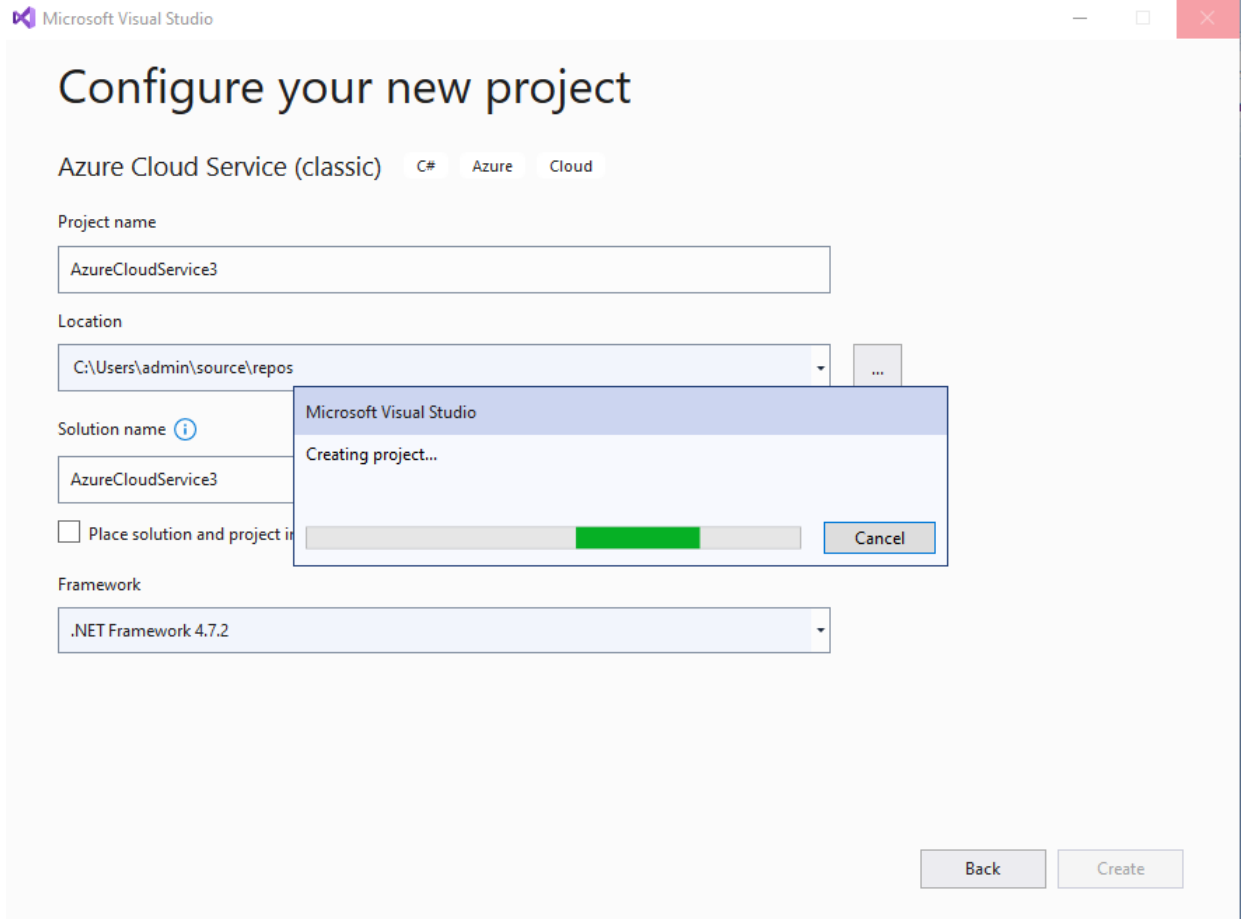
Advanced
☒ Configure for HTTPS
☐ Also create a project for unit tests

WebRole1.Tests

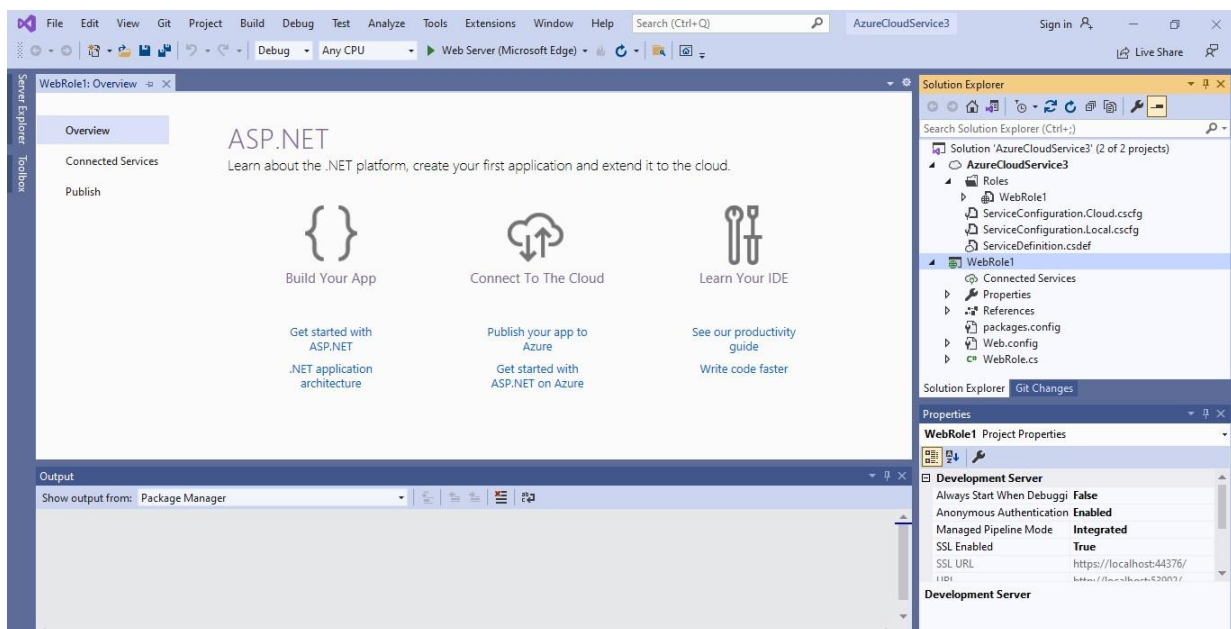
Back

Create

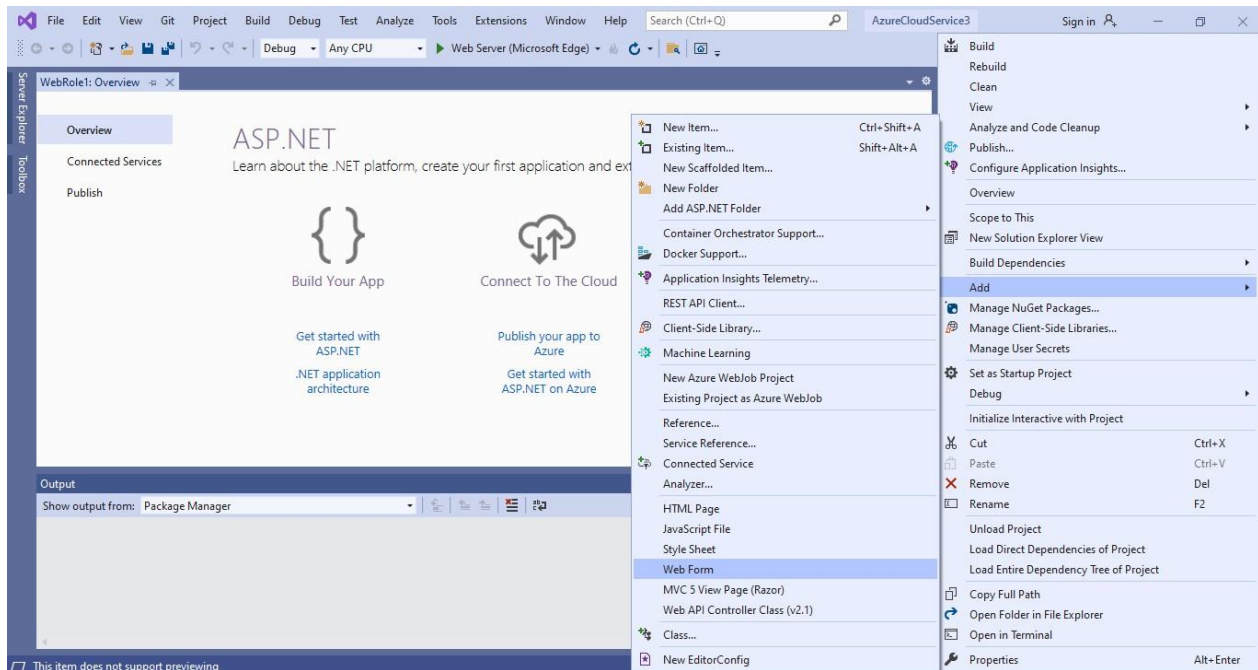
- Select Empty Option for creating empty project template and then click on Create Button. Below window will appear.



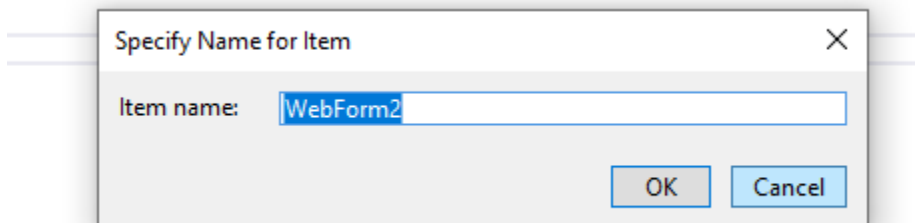
Right Click on WebRole1 in Solution Explorer Window.



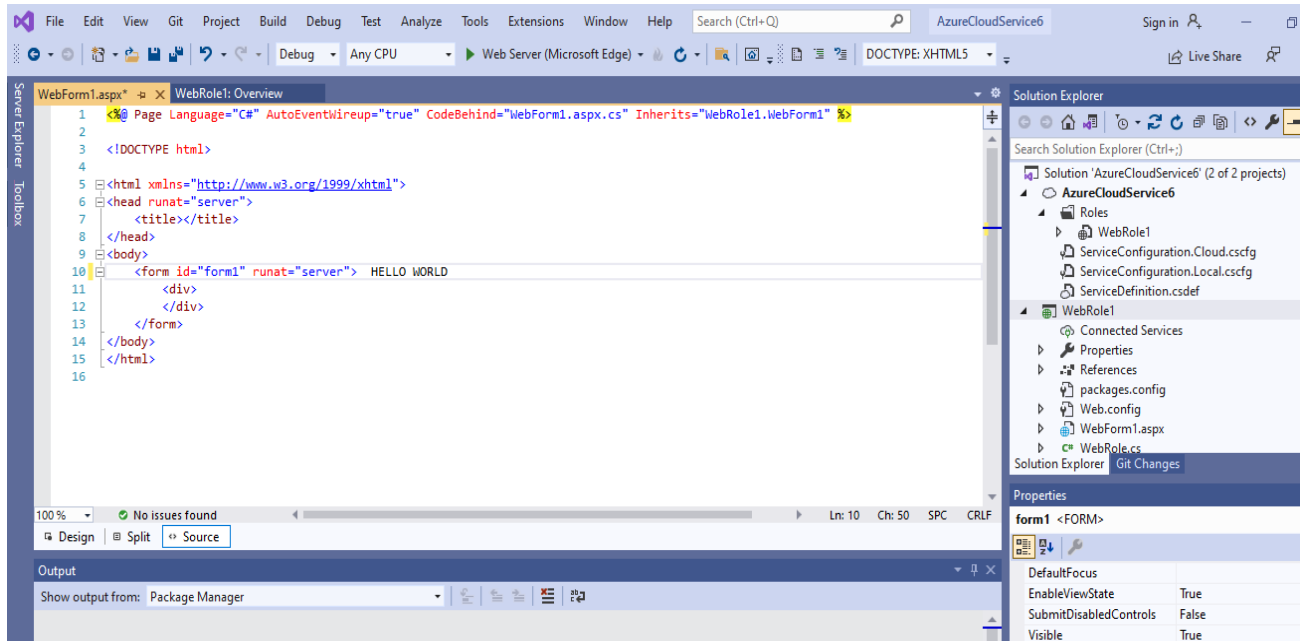
Then click on **Add Button** → **Select Web Form**



Give Name to Web Form



Click on OK Button. Below window will appear.



Then click on Execute Project.

Following is the output:



If not getting output, follow below steps

WebRole1 → Right click → Set as startup project → In execute select → Set debugging as Enable → Web browser(Microsoft Edge) → Microsoft Edge then Click on Execute