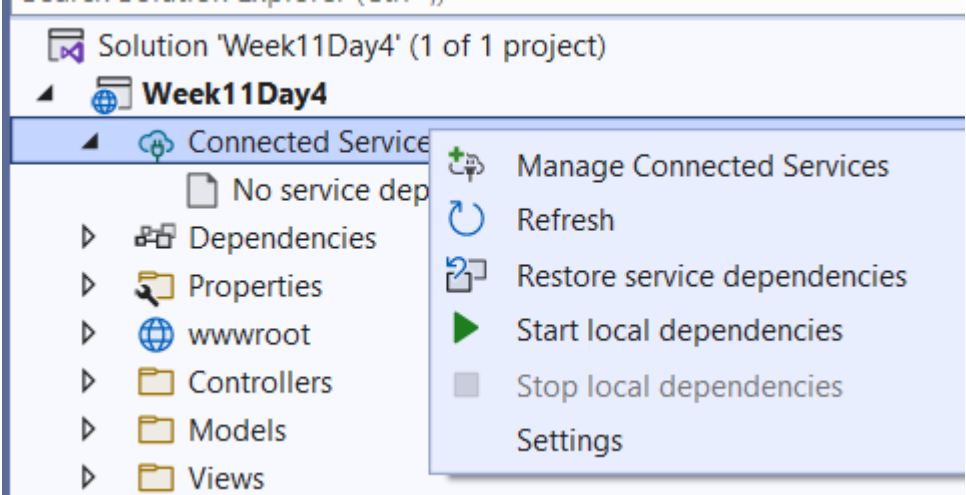
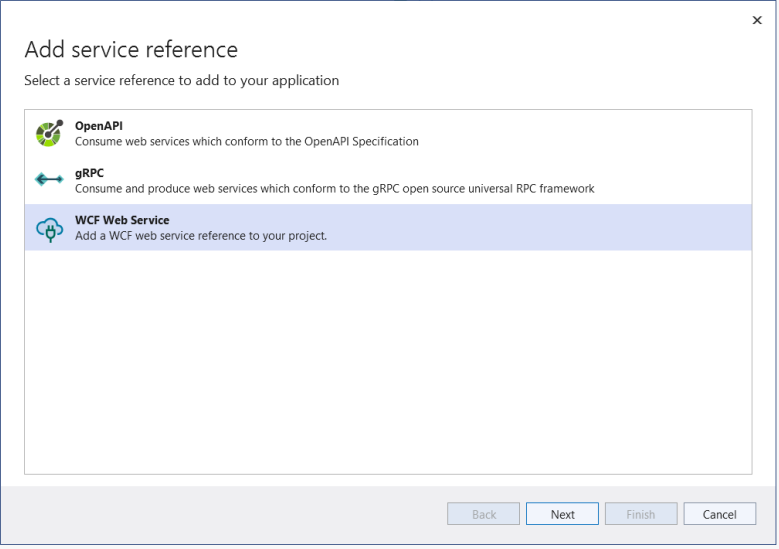


## Steps to create a Web Service Consumer in MVC

1.



2.



3.

### Add new WCF Web Service service reference

Specify the service to add

To see a list of available services on a specific server, enter a service URL and select Go. To find available services in the solution, select Discover. To load a service metadata from a WSDL file, select Browse.

URI:

Services:

- SoapDemo
  - SoapDemoSoap

Operations:

- HelloWorld
- GetOrders
- GetBankList
- GetBranchDetailsByIfsc
- GetBranchDetailsByBank

Status:  
 Number of services found: 1

Namespace:

4.

### Add new WCF Web Service service reference

Specify the data type options

☐ Always generate message contracts

Collection type:

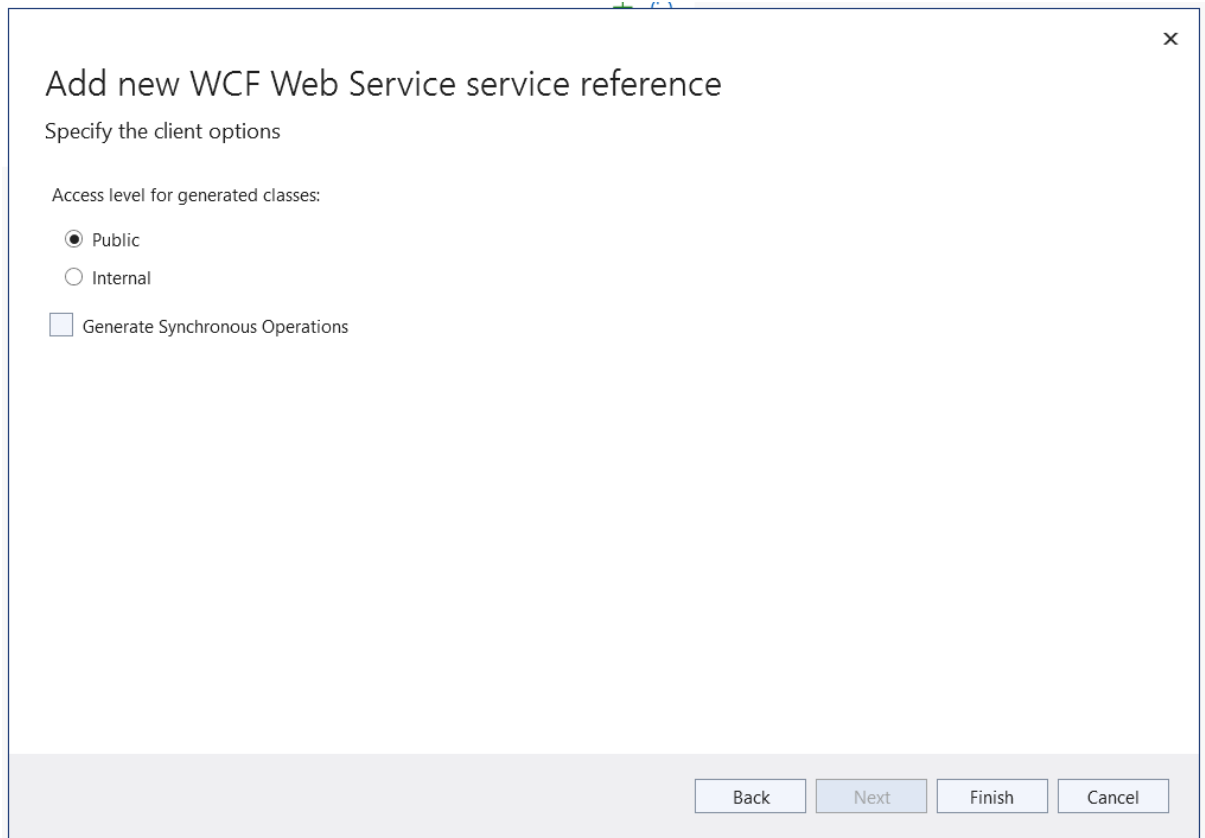
Dictionary collection type:

☒ Reuse types in referenced assemblies

☒ Reuse types in all referenced assemblies  
☐ Reuse types in specified referenced assemblies:

☐ Microsoft.AspNetCore.Mvc.Razor.Extensions  
☐ Microsoft.AspNetCore.Mvc.Razor.RuntimeCompilation  
☐ Microsoft.AspNetCore.Razor.Language  
☐ Microsoft.CodeAnalysis  
☐ Microsoft.CodeAnalysis.CSharp  
☐ Microsoft.CodeAnalysis.Razor  
☐ Microsoft.Extensions.DependencyModel  
☐ System.Collections.Immutable  
☐ System.Reflection.Metadata

5.

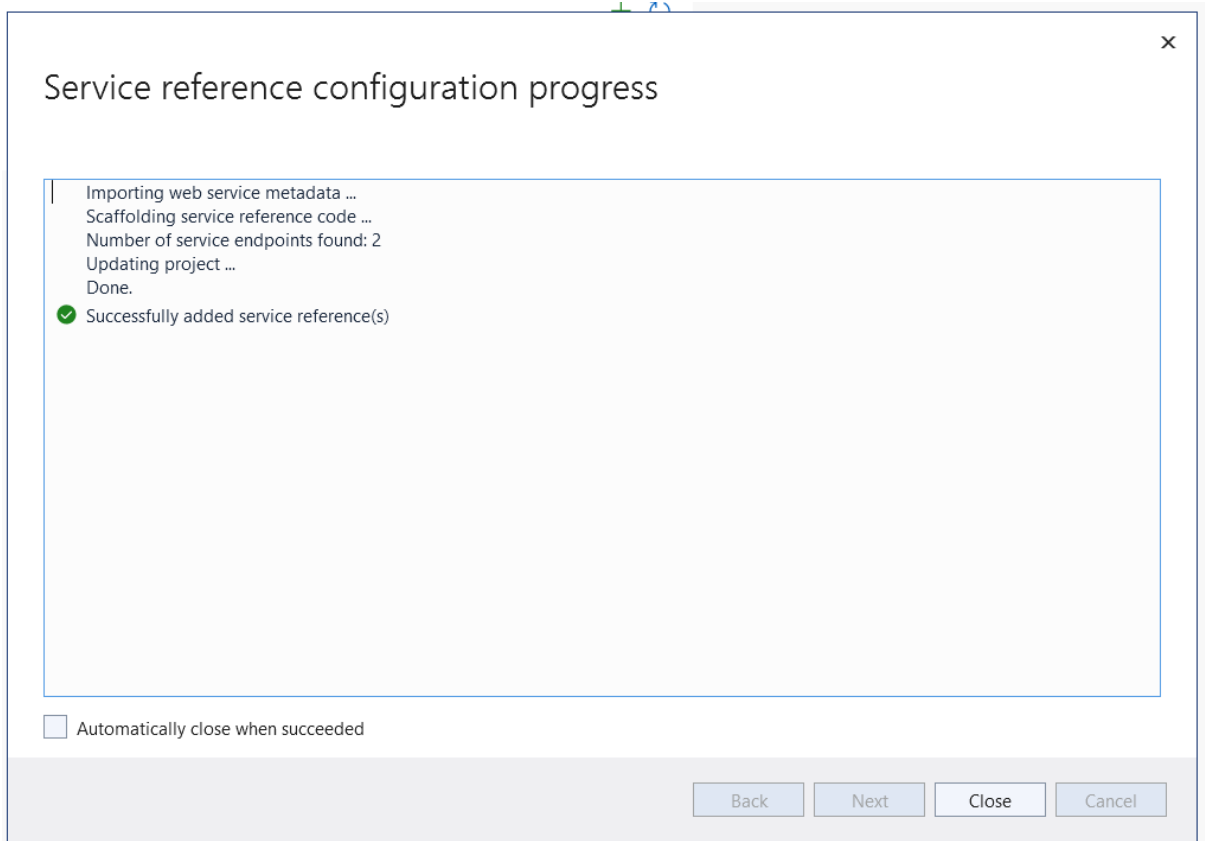


This is a screenshot of a Windows dialog box titled "Add new WCF Web Service service reference". The subtitle is "Specify the client options". The dialog has a close button (X) in the top right corner. The main content area contains the following options:

- Access level for generated classes:
  - ☒ Public
  - ☐ Internal
- ☐ Generate Synchronous Operations

At the bottom right, there are four buttons: "Back", "Next", "Finish", and "Cancel".

6.



This is a screenshot of a Windows dialog box titled "Service reference configuration progress". The subtitle is "Service reference configuration progress". The dialog has a close button (X) in the top right corner. The main content area contains a list of progress steps:

- Importing web service metadata ...
- Scaffolding service reference code ...
- Number of service endpoints found: 2
- Updating project ...
- Done.
- ☒ Successfully added service reference(s)

At the bottom left, there is a checkbox labeled "Automatically close when succeeded". At the bottom right, there are four buttons: "Back", "Next", "Close", and "Cancel".

7.

8. Create a Service class and copy the code below code

```

public class BankInfoService : IBankInfoService
{
    public readonly string serviceUrl =
"https://bankdetailsdemo.azurewebsites.net/WebServices/SoapDemo.asmx";

    public readonly EndpointAddress endpointAddress;
    public readonly BasicHttpBinding basicHttpBinding;

    public BankInfoService()
    {
        endpointAddress = new EndpointAddress(serviceUrl);

        basicHttpBinding = new BasicHttpBinding(
            endpointAddress.Uri.Scheme.ToLower() == "http" ?
                BasicHttpSecurityMode.None :
                BasicHttpSecurityMode.Transport)
        {
            OpenTimeout = TimeSpan.MaxValue,
            CloseTimeout = TimeSpan.MaxValue,
            ReceiveTimeout = TimeSpan.MaxValue,
            SendTimeout = TimeSpan.MaxValue
        };
    }

    private async Task<SoapDemoSoapClient> GetInstanceAsync()
    {
        return await Task.Run(() => new SoapDemoSoapClient(basicHttpBinding,
endpointAddress));
    }

    public async Task<List<BankDetails>> GetByIfscAsync(string ifsc)
    {
        var wsClient = await GetInstanceAsync();
        var getBranchDetailsByIfscResponse = await
wsClient.GetBranchDetailsByIfscAsync(ifsc);

        return new List<BankDetails> {
getBranchDetailsByIfscResponse.Body.GetBranchDetailsByIfscResult };
    }
}

```