

D	 References
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C* IService1.cs



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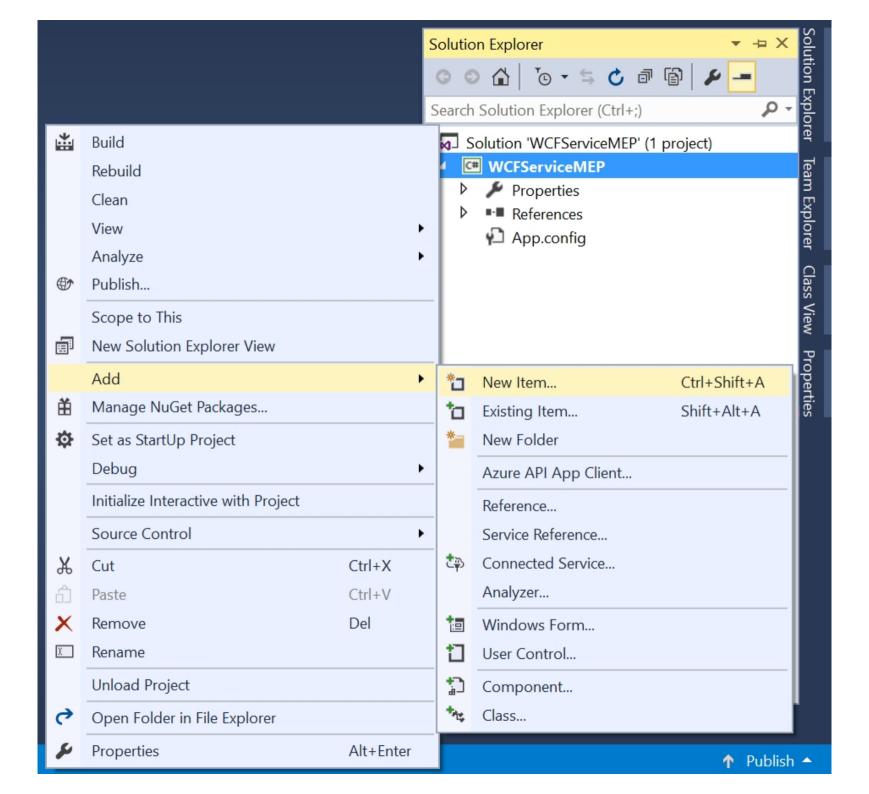


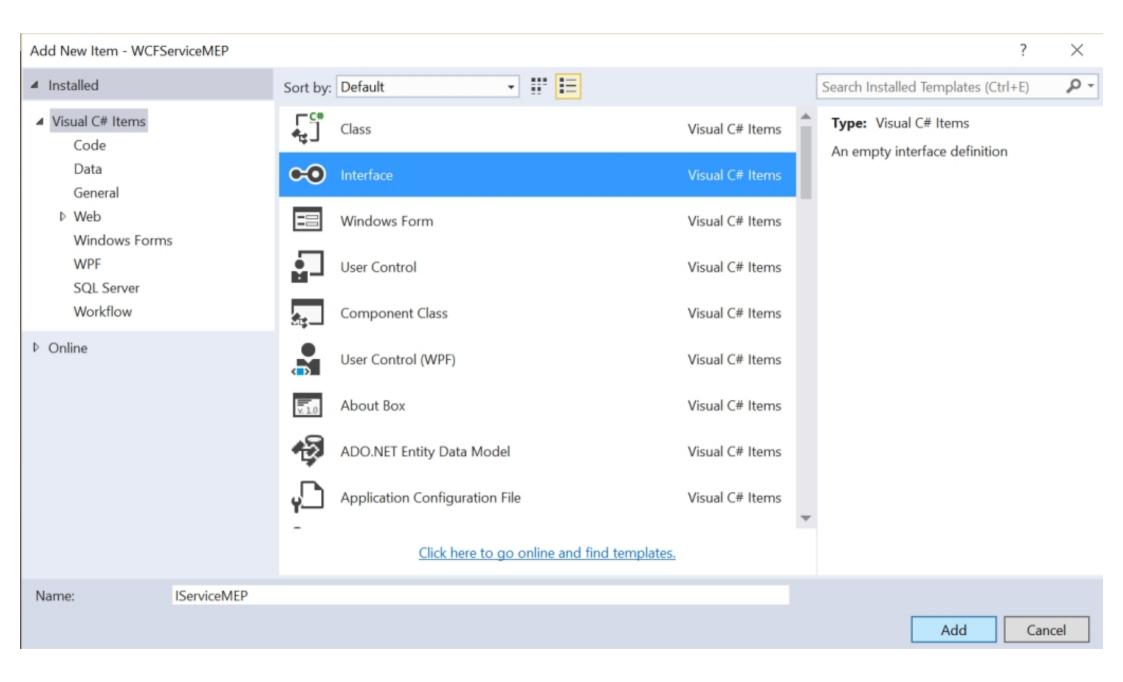




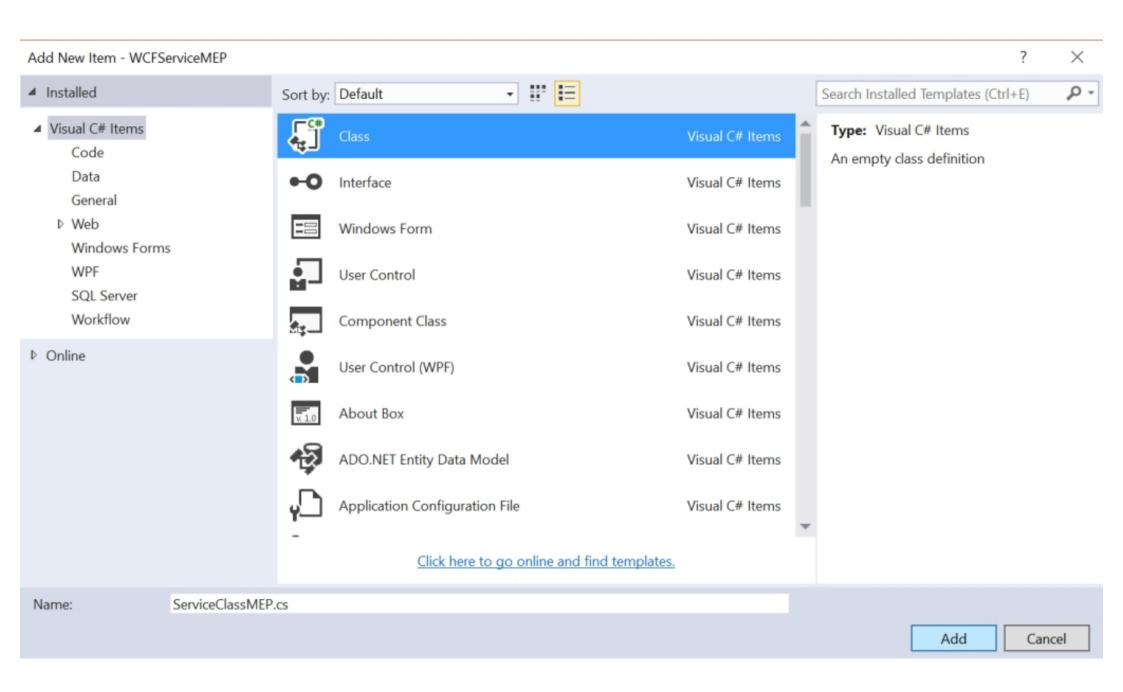
C# IService1.cs

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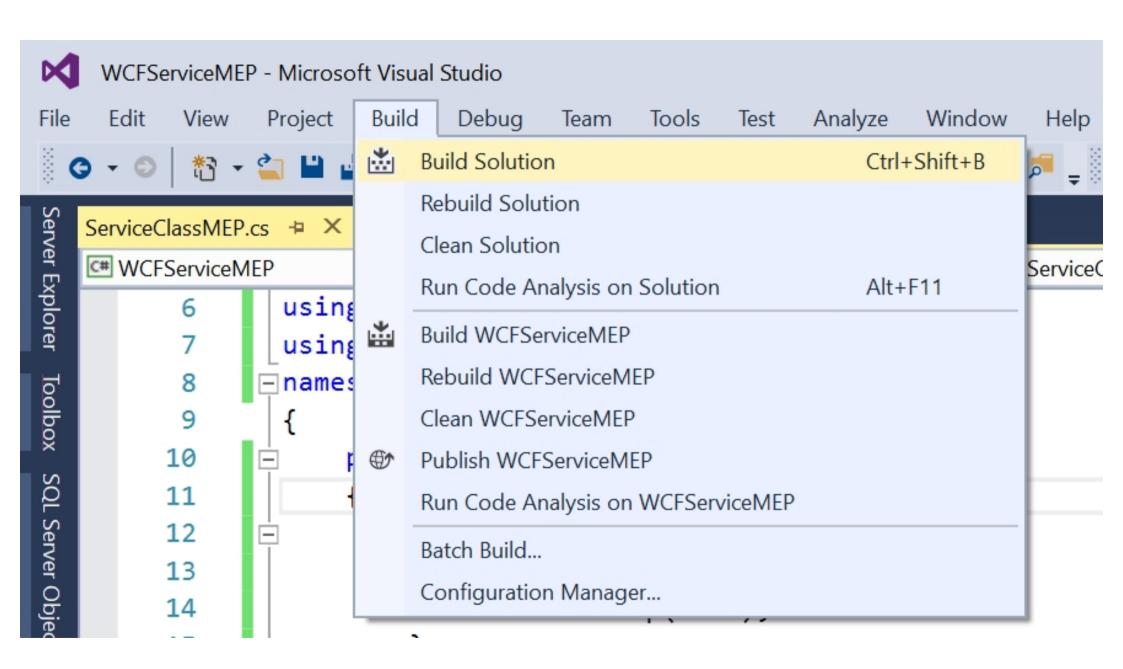


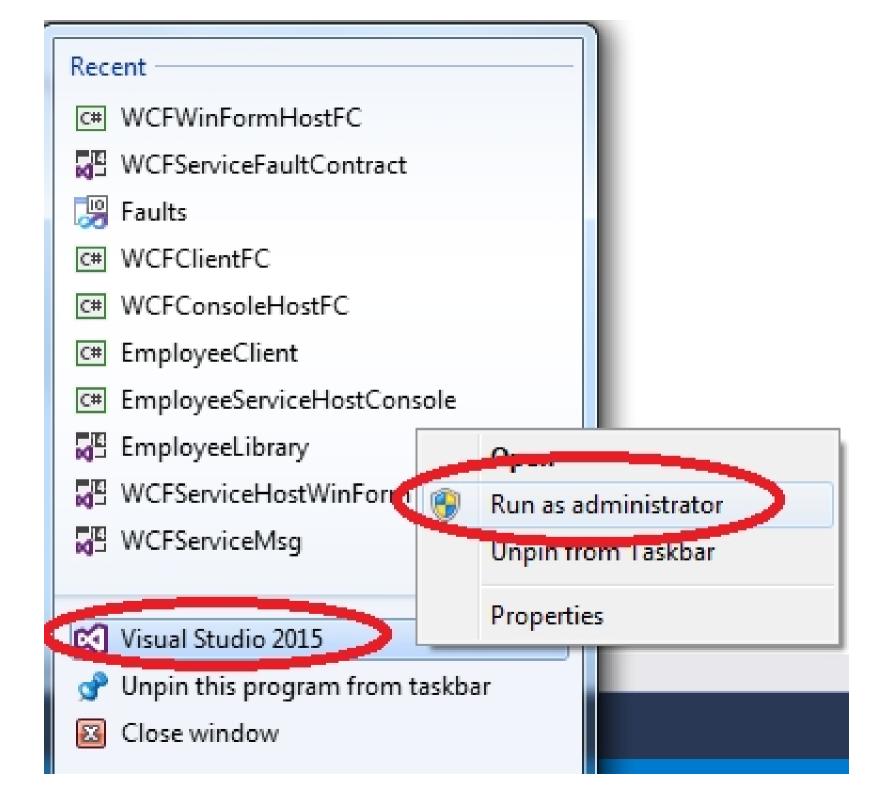
```
ServiceClassMEP.cs ≠ X
               IServiceMEP.cs

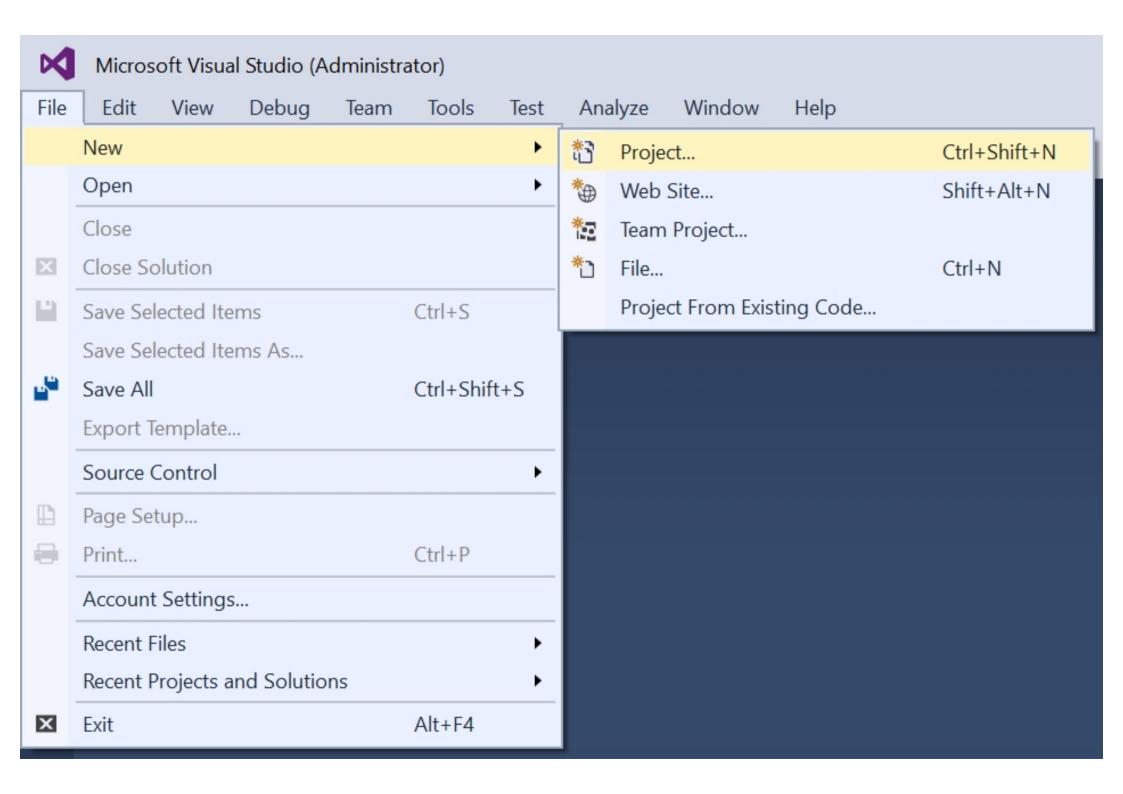
→ Ø hello()

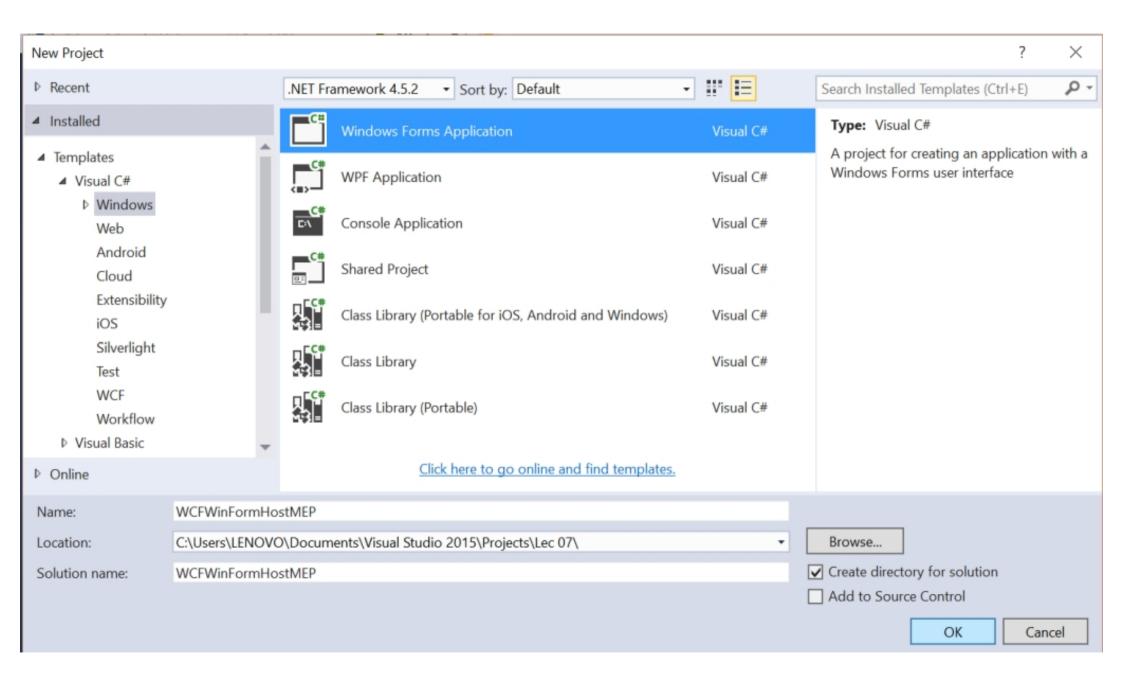
    WCFServiceMEP

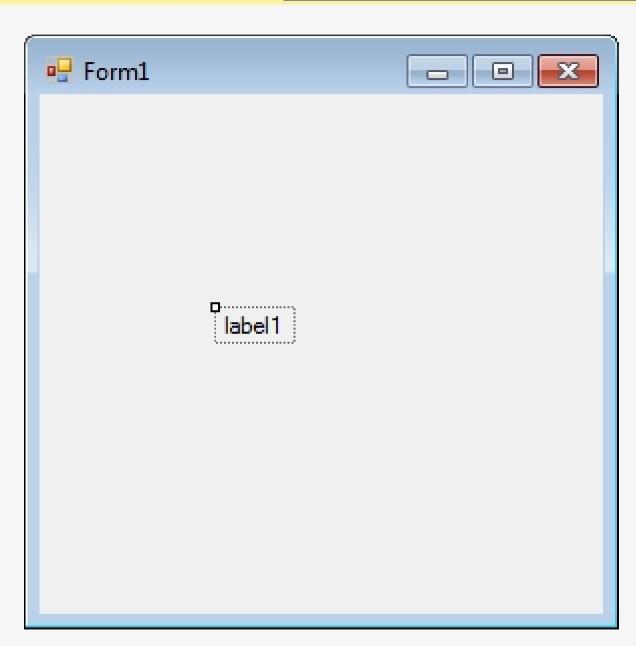
                                          ▼ WCFServiceMEP.ServiceClassMEP
              using System.Text;
      4
              using System.Threading.Tasks;
              using System. Threading;
             using System.ServiceModel;
            □ namespace WCFServiceMEP
      8
             {
                  [ServiceBehavior(ConcurrencyMode = ConcurrencyMode.Reentrant)]
     10
                  public class ServiceClassMEP : IServiceMEP
     11
     12
     13
                      public void hello()
     14
                           Thread.Sleep(50);
     15
                           string name = "Windows Communication Foundation";
     16
                           OperationContext.Current.GetCallbackChannel<IServiceCallBack>().helloback(name);
     17
     18
                                                       Establish a channel from service to client
     19
     20
             }
```

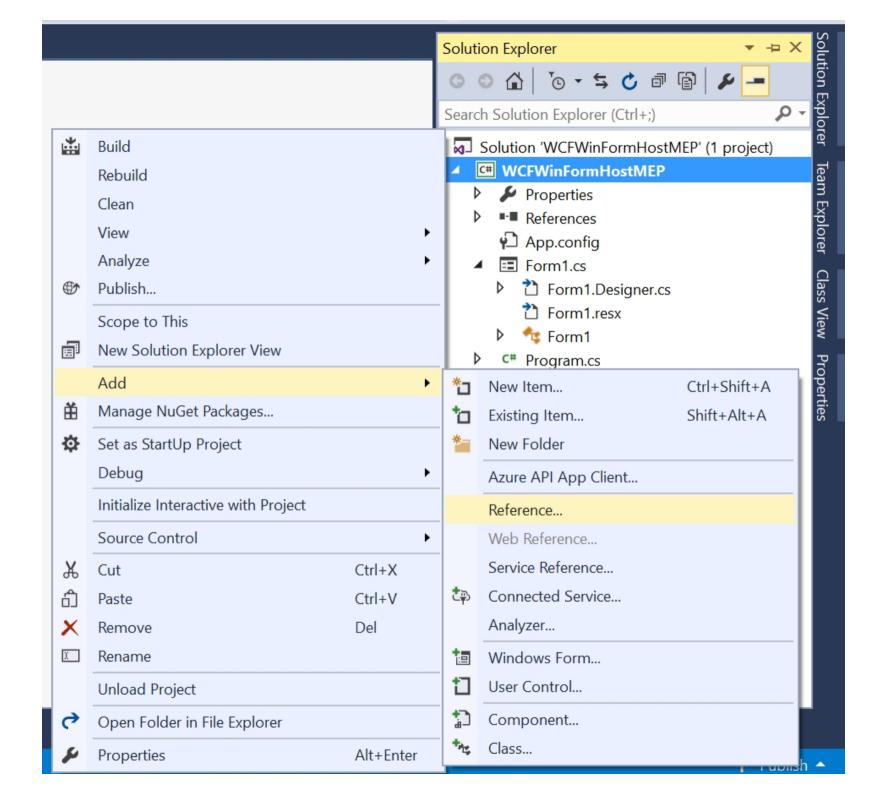


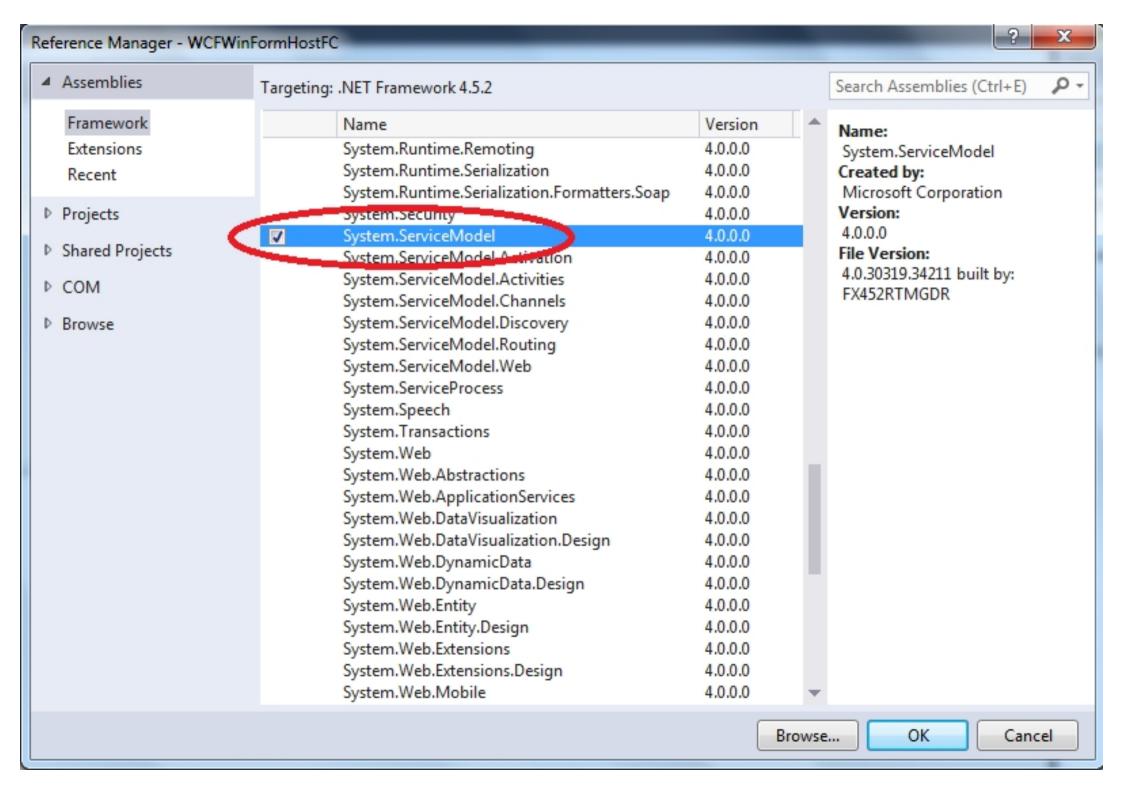


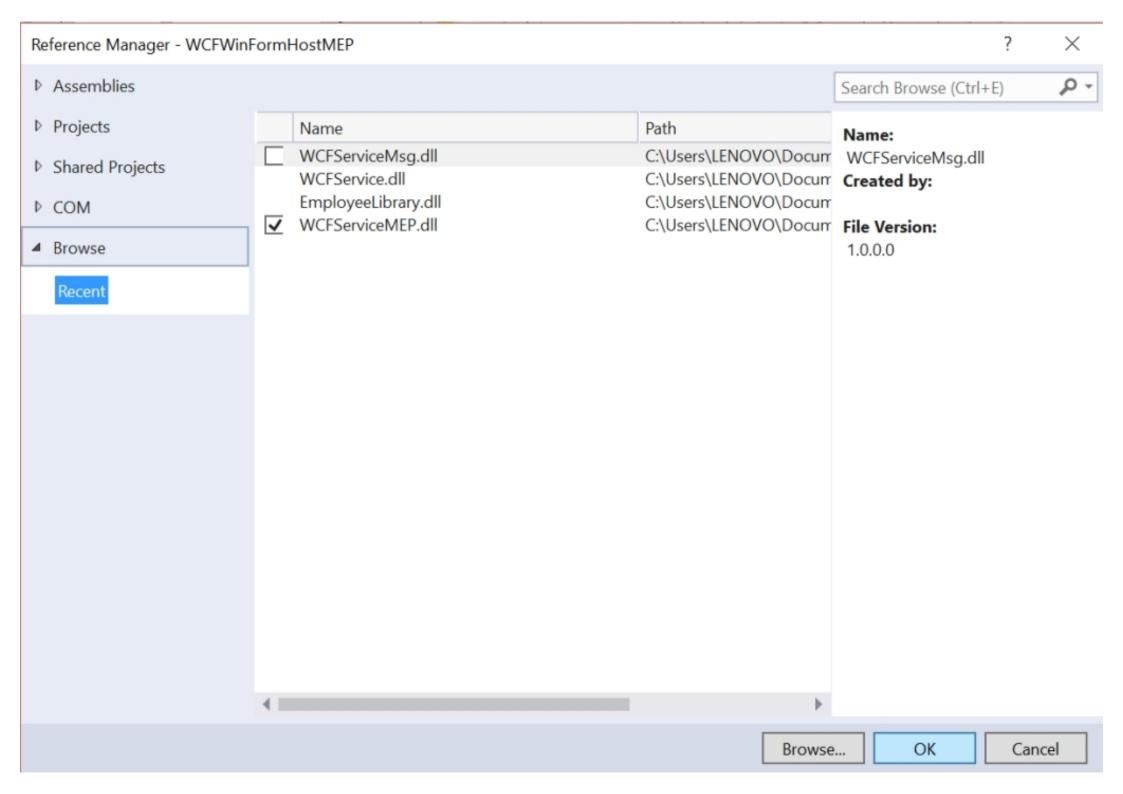










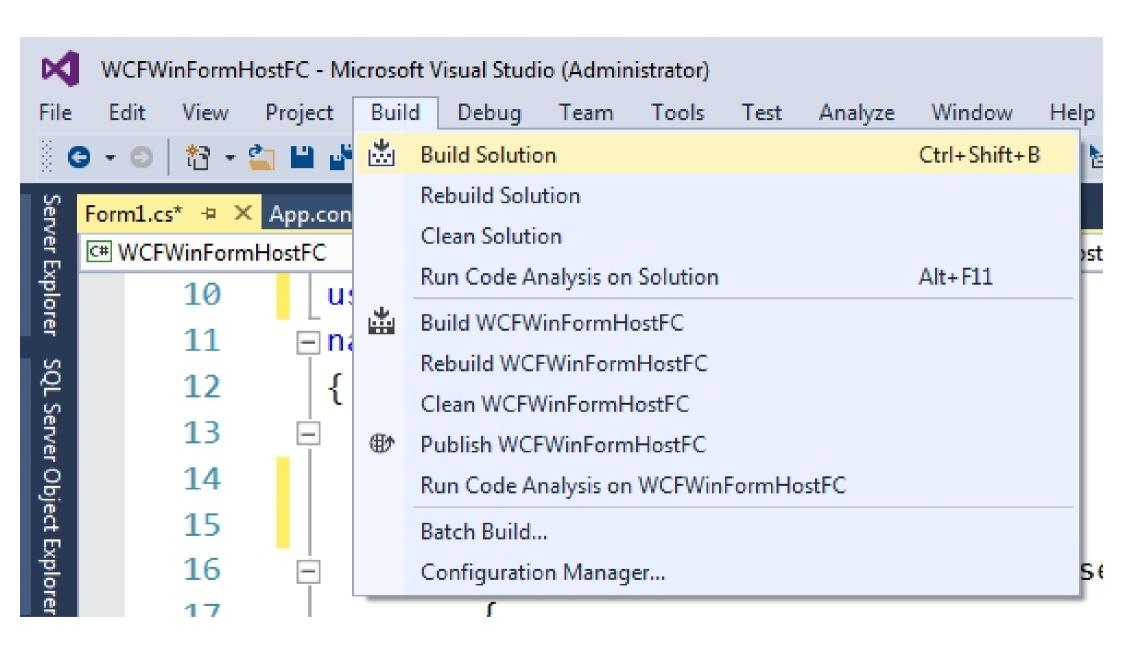


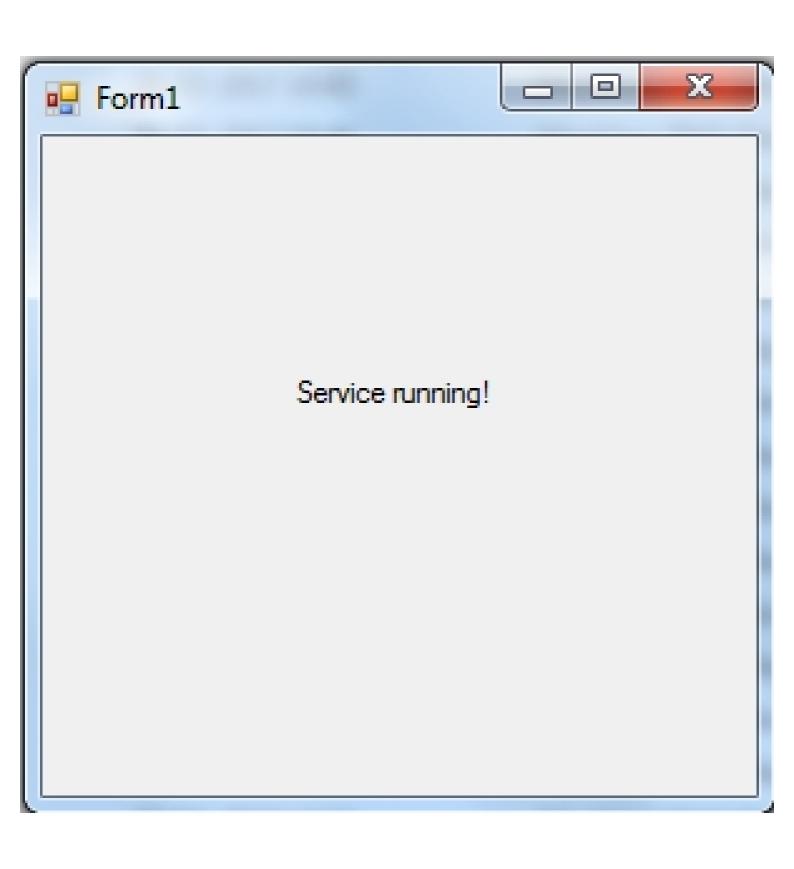
```
App.config →
          Form1.cs
                    Form1.cs [Design]
            <system.serviceModel>
              <services>
                 <service name="WCFServiceMEP.ServiceClassMEP" behaviorConfiguration="metadataSupport">
      8
      9
                   <host>
     10
                     <baseAddresses>
        Ė
     11
                       <add baseAddress="http://localhost:8000/WCFServiceMEP/" />
     12
                     </baseAddresses>
     13
                  </host>
                   <endpoint address="" binding="wsDualHttpBinding" contract="WCFServiceMEP.IServiceMEP" />
     14
                 </service>
     15
                                                    Full Duplex
                                                  (Two Channels)
     16
              </services>
     17
              <behaviors>
                <serviceBehaviors>
     18
                                                                  netTcpBinding or netNamedPipeBinding
     19
                   <behavior name="metadataSupport">
                                                                    Full Duplex
                                                                                             Half Duplex
                     <serviceMetadata httpGetEnabled="True" />
     20
                                                                                           (Single Channel)
                                                                   (Two Channels)
     21
                   </behavior>
                                                                                            Bi-directional
                </serviceBehaviors>
     22
     23
              </behaviors>
            </system.serviceModel>
     24
          </configuration>
     25
```

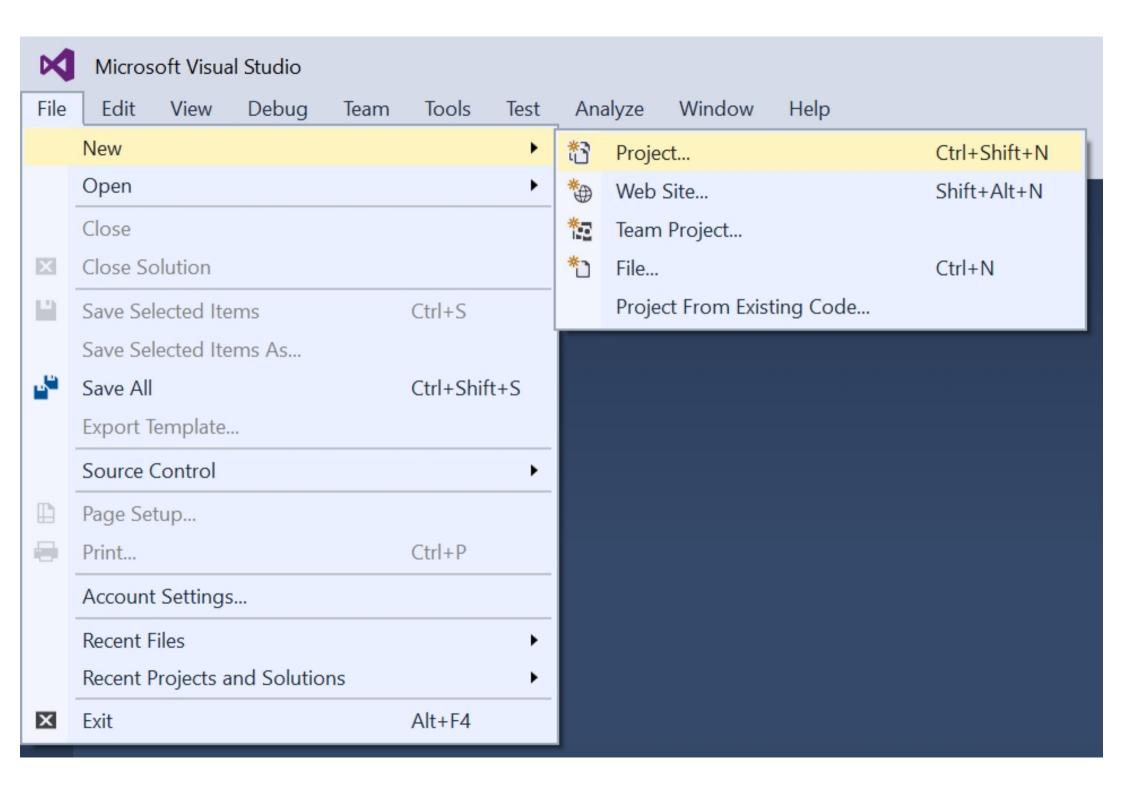
```
Form1.cs ≠ × App.config
                       Form1.cs [Design]
C# WCFWinFormHostMEP
                                             ▼ MCFWinFormHostMEP.Form1

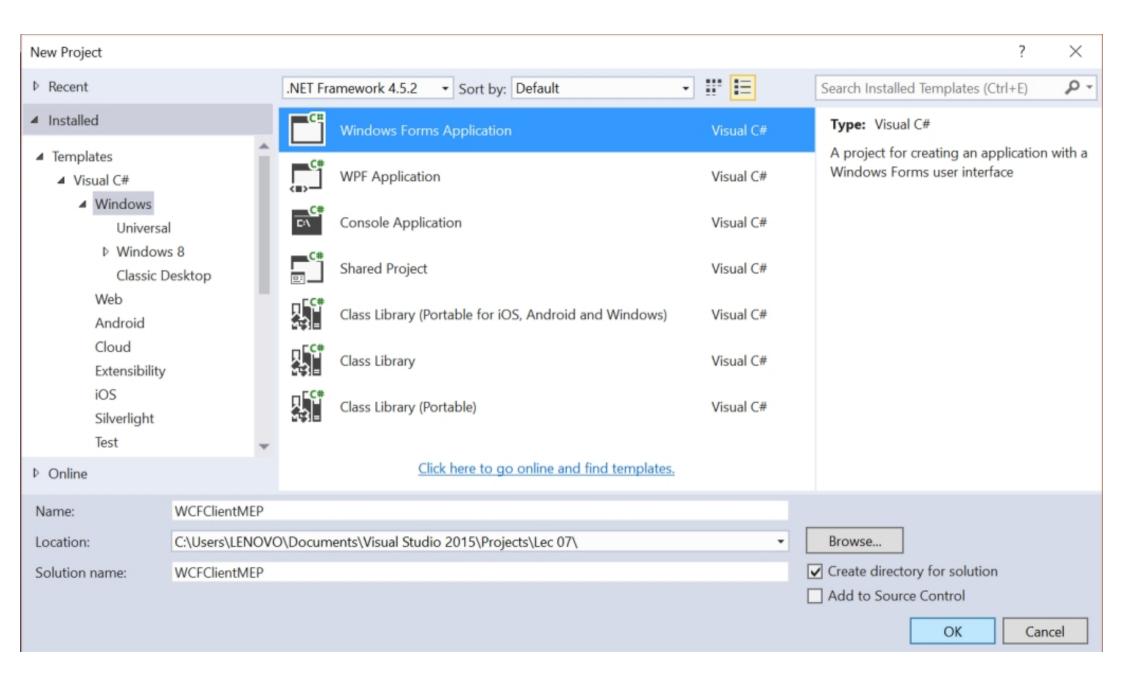
▼ Ø Form1()

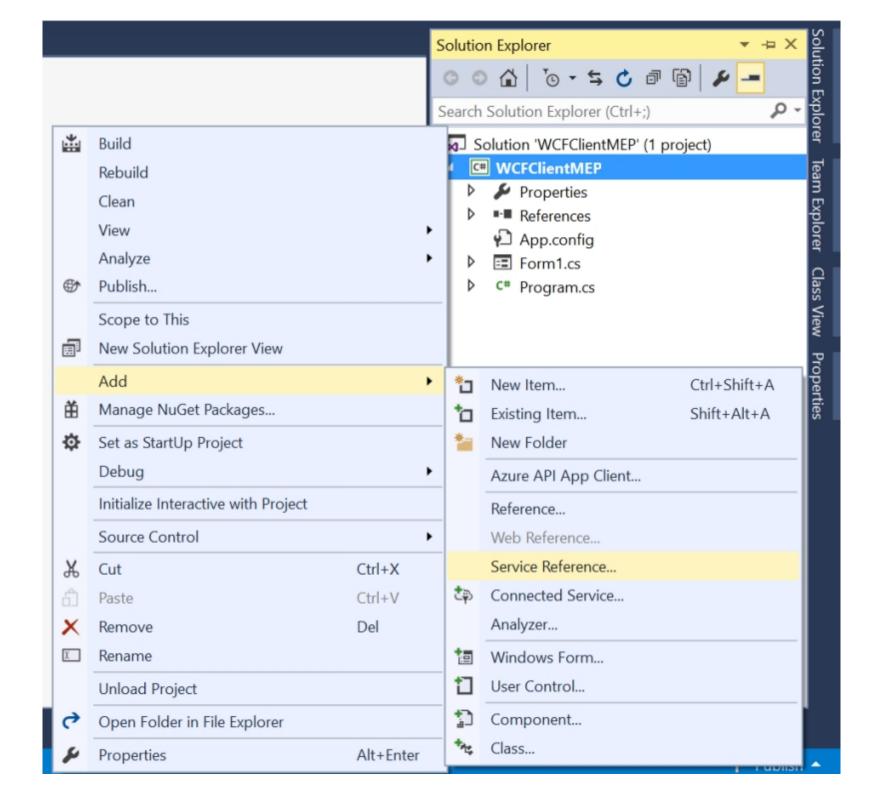
     11
     12
           ■ namespace WCFWinFormHostMEP
     13
     14
                 public partial class Form1 : Form
     15
     16
                      ServiceHost sh = null;
                      private void Form1_Load(object sender, EventArgs e)
     17
     18
     19
                          sh = new ServiceHost(typeof(WCFServiceMEP.ServiceClassMEP));
     20
                          sh.Open();
     21
                          label1.Text = "Service Running!";
     22
     23
                      private void Form1 FormClosing(object sender, FormClosingEventArgs e)
     24
     25
                          sh.Close();
     26
     27
                      public Form1()
     28
                          InitializeComponent();
     29
     30
     31
```

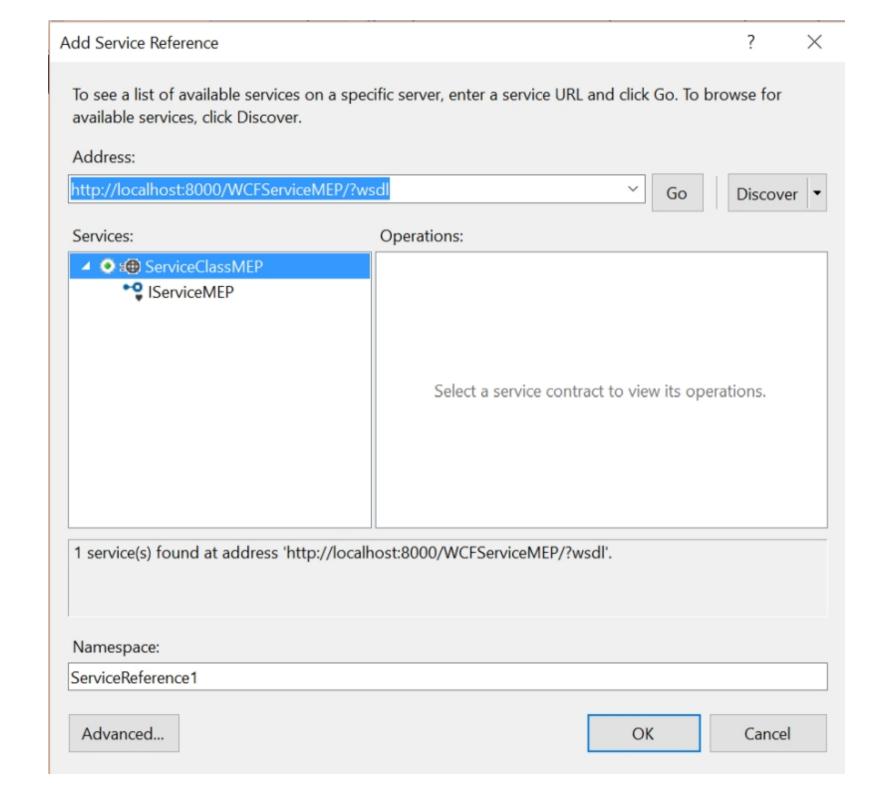


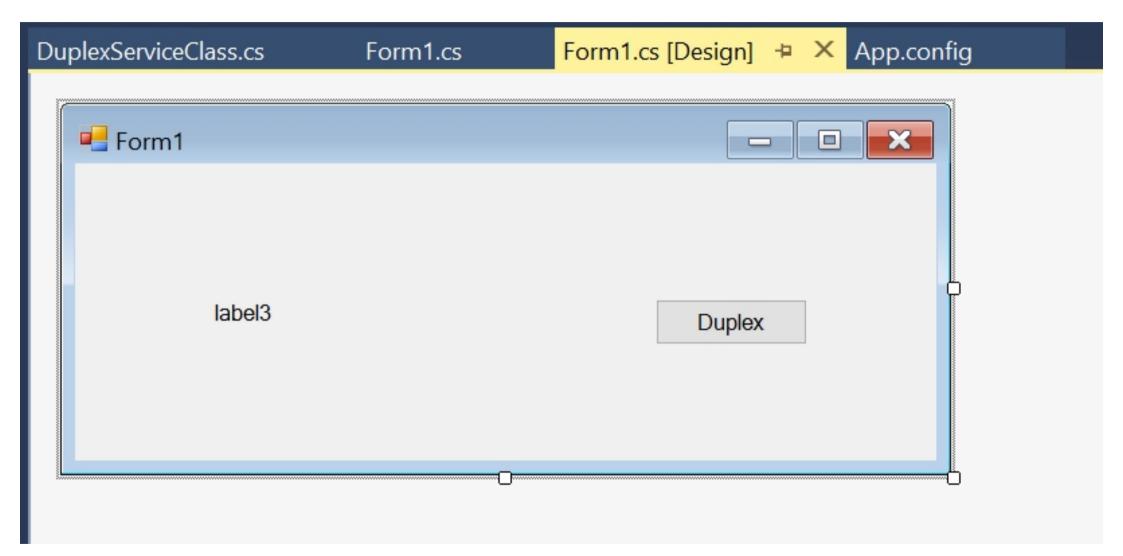












```
DuplexServiceClass.cs
                   Form1.cs* ≠ × Form1.cs [Design]*
                                                App.config

▼ WCFClientMEP.Form1

C# WCFClientMEP

▼ Ø helloback(string name)

           ■namespace WCFClientMEP
     12
             {
     13
     14
                 //[CallbackBehavior(UseSynchronizationContext = false)]
                 public partial class Form1 : Form, ServiceReference1.IServiceMEPCallback
     15
     16
                      public void helloback(string name)
     17
     18
                          label3.Text = name;
     19
     20
                      private void button3_Click(object sender, EventArgs e)
     21
     22
                          //InstanceContext instance = new InstanceContext(new DuplexServiceClass());
     23
                          InstanceContext instance = new InstanceContext(this);
     24
                          ServiceReference1.ServiceMEPClient client = new ServiceReference1.ServiceMEPClient(instance);
     25
                          client.hello();
     26
     27
                      public Form1()
     28
     29
                          InitializeComponent();
     30
     31
     32
```

