



70-503

(TS: MS.NET Framework 3.5, Windows Communication Foundation
Application Developer)

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Microsoft 70-503(C#)

Question: 1

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. The service uses the net.tcp transport. You need to ensure that when the server starts, the service starts and continues to run. What should you do?

- A. Host the service in a Windows service.
- B. Host the service in a Windows Presentation Foundation application.
- C. Host the service under IIS 7.0 by using IIS 6.0 compatibility mode.
- D. Host the service under IIS 7.0 by using Windows Activation Services.

Answer: A

Question: 2

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. The service will be hosted in a managed Console application. You want to add endpoints to the service. You need to ensure that all endpoints use the same base address. Which code fragment should you use?

- A.

```
[ServiceContract]public interface IMortgageService {}public class MortgageService : IMortgageService {}Uri baseAddress=new Uri("http://localhost:8888/MortgageService");ServiceHost serviceHost= new ServiceHost(typeof(MortgageService), new Uri[] {baseAddress});serviceHost.AddServiceEndpoint(typeof(IMortgageService), new BasicHttpBinding(), "");serviceHost.Open();
```
- B.

```
[ServiceContract]public interface IMortgageService {}public class MortgageService : IMortgageService {}Uri baseAddress=new Uri("http://localhost:8888/MortgageService");ServiceHost serviceHost= new ServiceHost(typeof(MortgageService), new Uri[] {});serviceHost.AddServiceEndpoint(typeof(IMortgageService), new BasicHttpBinding(), baseAddress);serviceHost.Open();
```
- C.

```
[ServiceContract]public interface IMortgageService {}public class MortgageService : IMortgageService {}string baseAddress="http://localhost:8888/MortgageService";ServiceHost serviceHost= new ServiceHost(typeof(MortgageService), new Uri[] {});serviceHost.AddServiceEndpoint(typeof(IMortgageService), new BasicHttpBinding(), baseAddress);serviceHost.Open();
```
- D.

```
[ServiceContract(Namespace="http://localhost:8888/MortgageService")]public interface IMortgageService {}public class MortgageService : IMortgageService {}ServiceHost serviceHost= new ServiceHost(typeof(MortgageService), new Uri[] {});serviceHost.AddServiceEndpoint(typeof(IMortgageService), new BasicHttpBinding(), "");serviceHost.Open();
```

Answer: A

Question: 3

You are creating a Windows Communication Foundation (WCF) service by using Microsoft .NET Framework 3.5. You need to host the WCF service on the IIS Web server. First, you create a new folder for your application files. Next, you use the IIS management tool to create a Web application in the new folder. Which three actions should you perform next? (Each correct answer presents part of the solution. Choose three.)

- A. Create a web.config file that contains the appropriate configuration code. Place this file in the application folder.
- B. Create a web.config file that contains the appropriate configuration code. Place this file in the same folder as your service contract code.
- C. Create a service file that has the .svc extension containing the @service directive information for the service. Move this file to the application folder.
- D. Create a service file that has the .svc extension containing the @servicehost directive information for the service. Move this file to the application folder.
- E. Create a vti_bin sub-folder within the application folder for your code files. Place the code file that defines and implements the service contract in this folder.
- F. Create an App_Code sub-folder within the application folder for your code files. Place the code file that defines and implements the service contract in this folder.

Answer: A, D, F

Question: 4

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. The service will be hosted on a Web server. You add the following code fragment to the .svc file. <% @ServiceHost Factory="ExamServiceFactory" Service="ExamService" %> You need to create the instances of the services by using the custom ExamServiceFactory class. Which code segment should you use?

- A.

```
public class ExamServiceFactory : ServiceHost{ protected override void ApplyConfiguration() {  
//Implementation code comes here. }}
```
- B.

```
public class ExamServiceFactory : ServiceHostBase{ protected override void  
ApplyConfiguration() { //Implementation code comes here. }}
```
- C.

```
public class ExamServiceFactory : ServiceHostFactory{ protected override ServiceHost  
CreateServiceHost(Type serviceType, Uri[] baseAddresses) { //Implementation code comes here.  
}}
```
- D.

```
public class ExamServiceFactory : ServiceHost{ public ExamServiceFactory(Type serviceType,  
params Uri[] baseAddresses) : base(serviceType, baseAddresses) { //Implementation code comes  
here. }}
```

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Answer: C

Question: 5

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. You need to expose two different service endpoints that have the same address. Which configuration setting should you use?

- A. `<service name="ExamService"> <endpoint address="http://localhost:8080/service" binding="wsHttpBinding" contract="ISimpleExam"/> <endpoint address="http://localhost:8080/service" binding="wsHttpBinding" contract="IComplexExam"/></service>`
- B. `<service name="ExamService"> <endpoint address="http://localhost:8080/service" binding="wsHttpBinding" contract="ISimpleExam"/> <endpoint address="http://localhost:8080/service" binding="wsDualHttpBinding" contract="IComplexExam"/></service>`
- C. `<service name="ExamService"> <host> <baseAddresses> <add baseAddress="http://localhost:8080/service"/> </baseAddresses> </host> <endpoint binding="wsHttpBinding" contract="ISimpleExam"/> <endpoint binding="basicHttpBinding" contract="IComplexExam"/></service>`
- D. `<service name="ExamService"> <host> <baseAddresses> <add baseAddress="http://localhost:8080"/> </baseAddresses> </host> <endpoint address="service" binding="wsHttpBinding" contract="ISimpleExam"/> <endpoint address="service" binding="basicHttpBinding" contract="IComplexExam"/></service>`

Answer: A

Question: 6

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. You need to host the service in a medium trust environment on a Web server. Which two bindings should you use? (Each correct answer presents a complete solution. Choose two.)

- A. NetMsmqBinding
- B. BasicHttpBinding
- C. WSDualHttpBinding
- D. NetTcpBinding
- E. WebHttpBinding

Answer: B, E

Question: 7

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. You need to programmatically add the following endpoint definition to the service. `http://localhost:8000/ExamService/service` Which code segment should you use?

- A. `String baseAddress="http://localhost:8000/ExamService";BasicHttpBinding binding1=new BasicHttpBinding();using(ServiceHost host=new`

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```

ServiceHost(typeof(ExamService))){
host.AddServiceEndpoint(typeof(IEExam),binding1,baseAddress);}
B. String baseAddress="http: //localhost:8000/ExamService/service";BasicHttpBinding
binding1=new BasicHttpBinding();using(ServiceHost host=new
ServiceHost(typeof(ExamService))){
host.AddServiceEndpoint(typeof(IEExam),binding1,baseAddress);}
C. String baseAddress="http: //localhost:8000/ExamService";WsHttpBinding binding1=new
WsHttpBinding();using(ServiceHost host=new ServiceHost(typeof(ExamService))){
host.AddServiceEndpoint(typeof(IEExam),binding1,baseAddress);}
D. String baseAddress="net.tcp: //localhost:8000/ExamService/service";NetTcpBinding
binding1=new NetTcpBinding();using(ServiceHost host=new ServiceHost(typeof(ExamService))){
host.AddServiceEndpoint(typeof(IEExam),binding1,baseAddress);}

```

Answer: B

Question: 8

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5.

You write the following code fragment in the service configuration file. (Line numbers are included for reference only.)

```

01 <system.serviceModel> 02 ... 03 <behaviors> 04
<serviceBehaviors> 05 <behavior name="CalculatorServiceBehavior"> 06
<CustomServiceBehavior/> 07 </behavior> 08 </serviceBehaviors> 09 </behaviors>
11 </system.serviceModel>

```

You need to register the custom service behavior in the service configuration file. Which code fragment should you insert at line 10?

```

A. <behaviorExtensions> <add name="CustomServiceBehavior"
type="CustomBehavior.CustomServiceBehaviorSection, CustomBehavior, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=null" /></behaviorExtensions>
B. <extensions> <add name="CustomServiceBehavior"
type="CustomBehavior.CustomServiceBehaviorSection, CustomBehavior, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=null" /></extensions>
C. <behaviorExtensions> <extensions> <add name="CustomServiceBehavior"
type="CustomBehavior.CustomServiceBehaviorSection, CustomBehavior, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=null" /> </extensions> </behaviorExtensions>
D. <extensions> <behaviorExtensions> <add name="CustomServiceBehavior"
type="CustomBehavior.CustomServiceBehaviorSection, CustomBehavior, Version=1.0.0.0,
Culture=neutral, PublicKeyToken=null" /> </behaviorExtensions></extensions>

```


Answer: D

Question: 9

You are creating an application in Windows Communication Foundation (WCF) by using Microsoft.NET Framework 3.5. You need to ensure that the client application communicates with the service by using a duplex contract. Which five actions should you perform? (To answer, move the five

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appropriate actions from the list of actions to the answer area, and arrange them in the correct order.)

| Actions | Answer Area |
|---|---|
| Create an interface in the WCF service for the service itself |  |
| Create two interfaces in the WCF service- one for a callback interface and another for the service itself | |
| Run the WCF service and use the Svcutil.exe applicateion to generate proxies for the client | |
| Implement the callback interface on the callback class | |
| Create an instance of the callback class and pass it as a constructor paramater to the instance context object pass the instance context object as a constructor parameter to the client proxy. | |
| Create an instance of the client and use the default endpoint configuration as the parameter. | |
| Implement the service interface on the service class. | |

Answer:

| Task | Answer Area |
|--|--|
| Create an interface in the WCF service for the service itself | Create two interfaces in the WCF service- one for a callback interface and another for the service itself |
| Create two interfaces in the WCF service- one for a callback interface and another for the service itself | Implement the service interface on the service class. |
| Run the WCF service and use the Svcutil.exe applicateion to generate proxies for the client | Run the WCF service and use the Svcutil.exe applicateion to generate proxies for the client |
| Implement the callback interface on the callback class | Implement the callback interface on the callback class |
| Create an instance of the callback class and pass it as a constructor paramater to the instance context object pass the insstance context object as a constructor parameter to the client proxy. | Create an instance of the callback class and pass it as a constructor paramater to the instance context object pass the insstance context object as a constructor parameter to the client proxy. |
| Create an instance of the client and use the default endpoint configuration as the parameter. | |
| Implement the service interface on the service class. | |

Question: 10

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. The service will be hosted in a Console application. You need to configure the service by using a configuration file other than the default app.config file. Which code segment should you use?

- A. `class MyServiceHost : ServiceHost{ public MyServiceHost(Type serviceType, params Uri[] baseAddresses) : base(serviceType, baseAddresses) { } protected override void InitializeRuntime() { //Load configuration here } }`
- B. `class MyServiceHost : ServiceHost{ public MyServiceHost(Type serviceType, params Uri[] baseAddresses) : base(serviceType, baseAddresses) { } protected override void ApplyConfiguration() { //Load configuration here } }`



- C. class MyServiceHost : ServiceHost{ public MyServiceHost(Type serviceType, params Uri[] baseAddresses) : base(serviceType, baseAddresses) { } protected new void InitializeDescription(Type serviceType, UriSchemeKeyedCollection baseAddresses) { //Load configuration here. }}
- D. class MyServiceHost : ServiceHost{ public MyServiceHost(Type serviceType, params Uri[] baseAddresses) : base(serviceType, baseAddresses) { } protected new void AddBaseAddress(Uri baseAddress) { //Load configuration here. }}

Answer: B

Question: 11

You are creating a Windows Communication Foundation service by using Microsoft .NET Framework 3.5. The service contains the following binding configuration in the configuration file. (Line numbers are included for reference only.) 01 <wsHttpBinding> 02 <binding name="ssl"> 03 04 </binding> 05 </wsHttpBinding> You need to ensure that the following requirements are met: The service must use transport-level security (SSL via HTTPS). The service must use message-level security to authenticate client applications by using user name and password. Which configuration setting should you insert at line 03?

- A. <security mode="Message"> <message clientCredentialType="UserName"/></security>
- B. <security mode="TransportWithMessageCredential"> <message clientCredentialType="UserName"/></security>
- C. <security mode="Transport"> <transport clientCredentialType="Windows"/> <message clientCredentialType="UserName"/></security>
- D. <security mode="Message" > <transport clientCredentialType="Windows" /> <message clientCredentialType="UserName" /></security>

Answer: B

Question: 12

You are creating a Windows Communication Foundation (WCF) service by using Microsoft .NET Framework 3.5. The service will authenticate the client applications by using Personal Information Cards. You write the following code segment. (Line numbers are included for reference only.)

```
01 public class CustomServiceAuthorizationManager : 02 ServiceAuthorizationManager {
03 protected override bool CheckAccessCore(OperationContext 04 operationContext) 05 {
06 string action= 07 operationContext.RequestContext.RequestMessage. 08
Headers.Action; 09 if (action == "http://tempuri.org/IEngine/Update") 10 { 11 foreach
(ClaimSet cs in 12 operationContext.ServiceSecurityContext.AuthorizationContext. 13
ClaimSets) 14 { 15 16 } 17 return false; 18 }
19 return true; 20 } 21 bool IsEmailValid(string email) 22 { 23 //e-mail
validation is performed here; 24 return true; 25 }
```

You need to ensure that only those client applications that provide a valid e-mail address can execute the Update method. Which code segment should you insert at line 15?

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- A. foreach (Claim identity/claims/e
- B. foreach (Claim identity/claims/e
- C. foreach (Claim identity/claims/e
- D. foreach (Claim identity/claims/e

```

5/05/
resource.ToString());
5/05/
ce.ToString());
5/05/
5/05/
source.ToString());
    
```

Answer: C

Question: 13

You are creating a Windows Communication Foundation service that uses the following tasks: Authenticate, Authorize, and Authorize. You use the membership provider. You write the following code:
 IService {
 [OperationContract]
 void Remove(int id);
 }
 What should you do to ensure that the service can remove members?

Microsoft .NET Framework 3.5. You use the following code to perform the following tasks: ASP.NET Membership, ASP.NET Role Management, and ASP.NET Role Provider. You use the following code to create a public interface for the service:
 IService {
 public void Remove(int id);
 }
 What should you do to ensure that the service can remove members?

- A. Add the following code to the service: [PrincipalPermission(SecurityAction.Demand, RoleName="Remove")]
- B. Add the following code to the service: [PrincipalPermission(SecurityAction.Demand, RoleName="Remove")]
- C. Add the following code to the service: [PrincipalPermission(SecurityAction.Demand, RoleName="Remove")]
- D. Add the following code to the service: [PrincipalPermission(SecurityAction.Demand, RoleName="Remove")]

```

ace.
SecurityAction.Demand,
    
```

Answer: A

70-503 Demo Exam

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