

Exam 70-320 study material

Made available by CertsKing.com



Free 70-320 Exam Preparation Questions

Exam 70-320: XML Web Services and Server Components with C#.NET

Question: 1.

You are developing a stock broking application using C# for agents that will use Web services provided by your company. The IT department will not open any new ports other than the existing 80 and 443.

Which of the following authentication options should you use? (Select the best choice.)

- A. You should use Windows Authentication with Client Certificates.
- B. You should use Windows Digest Authentication.
- C. You should use Windows Basic Authentication with SSL.
- D. You should use Custom Authentication; send the encrypted authentication information in SOAP headers.

Answer: D**Explanation:**

You should use a custom authentication method that sends authentication information to the service in the SOAP headers. This method is independent of transport mechanisms and can easily traverse across firewalls.

None of the other mechanisms meet these requirements.

Question: 2.

You are creating a web service which will use a COM+ library. You perform the following:

- You add a reference to the COM+ library.
- You write the following code:

```
10 Dim ms As ScriptControl = New COMLibApp()
30 ms.Language = "VBScript"
40 ms.Modules.Add("MyCode")
50 ms.Modules("MyCode").AddCode(Script)
When you attempt to compile the project, you receive the error message "Type 'COMLibApp' is not defined." Which of the following options will correct the problem and cause the COMLibApp object to be recognized? (Each choice presents a complete solution.) (Select all choices that are correct.)
```

- A. Create a COM+ Interop assembly using the Tlbimp utility, and add a reference to this assembly to the project.
- B. Add the line `Import MSCOMLibApp` to the top of the file.
- C. Register the MSCOMLibApp library with COM+ using the Installutil utility.
- D. Register the MSCOMLibApp library with COM+ using the RegSvr utility.
- E. Register the MSCOMLibApp library with COM+ using the RegSvr32 utility.
- F. Replace line 10 with the code `Dim ms As MSCOMLibApp.COMLibApp = New MSCOMLibApp.COMLibApp`.

Answer: A, D**Explanation:**

You should either replace line 10 with the code `Dim ms As MSCOMLibApp.COMLibApp = New MSCOMLibApp.COMLibApp`, or add the line `Import MSCOMLibApp` to the top of the file. Imported COM+ objects are added to a namespace created with the name of the library. You must either import the namespace into the module where the COM objects will be used, or explicitly identify the namespace when referring to its objects.

The COM+ Interop assembly was created and added to the list of references when the reference was added to the COM+ library in the scenario. If the COM+ library were not already registered with COM+, then it would not have been available for selection on the COM tab of the Add Reference dialog box.

Question: 3.

You are developing a stock price watch application called WatchPriceApp. Users will access it using a web service. Once prices change, you need to send modified records back to the Web service. Which of the following code segments should you use to accomplish this goal? (Select the best choice.)

- A. `If StockPriceDS.HasChanges() { Data. DataSet oData = StockPriceDS.GetChanges() 'Add code here to send oData to the Web Service }`
- B. `If StockPriceDS.HasChanges(DataRowState.Added) {Data. DataSet oData = StockPriceDS.GetChanges(DataRowState.Added) 'Add code here to send oData to the Web Service }`
- C. `If StockPriceDS.HasChanges() { Data. DataSet oData = StockPriceDS.GetChanges(DataRowState.Added) 'Add code here to send oData to the Web Service }`
- D. `If StockPriceDS.HasChanges(DataRowState.Added) { Data. DataSet oData = StockPriceDS.GetChanges() 'Add code here to send oData to the Web Service }`

Answer: A**Explanation:**

In order to pass all changes to the Web service in the most compact form, you should pass no parameter to the Has

Changes and Get Changes methods of the StockPriceDS in this code sample. Passing the DataRowState.Added parameter to the Has Changes method causes the method to return True only if new records have been added to the dataset.

Question: 4.

The following code handles various errors that might occur in a subroutine.

```
Try { ' Code to connect to SQL Server. errorStr = "SQL Error: 111" Catch (SqlException e) { errorStr = " SQL Error: 112" Catch (SqlTypeException e) { errorStr = " SQL Error: 113" Catch (DataException e) { errorStr = " SQL Error: 114" Catch (Exception e) { errorStr = " SQL Error:11 5" } If an error occurs while connecting to a SQL Server database, what value will the variable errorStr contain? (Select the best choice.)
```

- A. SQL Error: 113
- B. SQL Error: 115
- C. SQL Error: 111
- D. SQL Error: 112
- E. SQL Error: 114

Answer: D

Explanation:

A SqlException object is thrown whenever an error is produced from SQL Server. The catch block that specifies the SqlException type will handle those errors. The SqlTypeException object is thrown during a type conversion error with SQL data types. The DataException object is thrown as the result of ADO.NET errors.

The catch block that specifies the generic Exception type will catch all errors that are not picked up by earlier catch blocks.

Question: 5.

Which of the following methods must you code when processing a SOAP message? (Select the best choice.)

- A. GetInitializer
- B. ProcessMessage
- C. ChainStream
- D. Initialize

Answer: B

Explanation:

The ProcessMessage method is called at each processing stage of a SOAP message. There are four processing stages of a SOAP message: SoapMessageStage.BeforeSerialize, SoapMessageStage.AfterSerialize, SoapMessageStage.BeforeDeserialize, and Soap Message Stage. AfterDeserialize. An XML Web service can read and alter the contents of SOAP messages during these stages. None of the other methods are called at each processing stage.

Question: 6.

You are writing code in a Windows form application that activates a .NET remote object called ESOrderModule. The object need to be kept in memory for at least 25 minutes. You have written the following code: (Line numbers are for reference purposes only.)

```
01 Dim myLease As ILease = CType(MyBase.InitializeLifetimeService(), ILease) 02 If  
ESObjectLease.CurrentState = LeaseState.Initial Then 04 End If What line of code should you place on  
line 03? (Select the best choice.)
```

- A. ESObjectLease.InitialLeaseTime = TimeSpan.FromMinutes(25);
- B. ESObjectLease.SponsorshipTimeout = TimeSpan.FromMinutes(25);
- C. ESObjectLease.RenewOnCallTime = TimeSpan.FromMinutes(25);
- D. ESObjectLease.Default = TimeSpan.FromMinutes(25);

Answer: A

Explanation:

The code ESObjectLease.InitialLeaseTime = TimeSpan.FromMinutes(25) should be used on line 03 to ensure that the activated .NET remote object remains in memory for at least one minute. When a client activates a .NET remote object, the client's application domain controls the lifetime of the object. Unlike COM, where the lifetime of remote objects was determined by reference counts and pinging, .NET uses lifetime leases. The lifetime of a remote object can be set through an application configuration file or through code. The ILease interface exposes properties that control leases. One of the properties of ILease, InitialLeaseTime, determines the default amount of time that the object remains

Question: 7.

You are debugging your application. You notice that the debug code does not execute properly. Your code is listed below: #If DEBUG Then ' Code to connect to perform complex calculation #Else ' Code to bypass calculation. #End If What should you do? (Each choice presents a complete solution.) (Select 2 choices.)

- A. Add the code Dim Debug As Boolean = True to the beginning of the source code.
- B. Compile the application with the command line vbc /d:DEBUG=TRUE.
- C. Compile the application with the command line vbc /r:debug=true.
- D. Add the <debug value=true> attribute to the beginning of the source code.
- E. Add the code #CONST DEBUG=True to the beginning of the source code.

Answer: B, E**Explanation:**

In order to ensure that only the code that accesses the testing database executes, you can add the code #CONST DEBUG=True to the module, or you can compile the application with the command line vbc /d:DEBUG=TRUE. As with previous versions of Visual Basic, you may write conditional compile statements that are included in a compiled application based on the value of a constant. Visual Basic .NET provides both debugging and tracing conditional attributes. You may set the Debug conditional attribute either in code with the #CONST statement or in the command line by specifying the /d:DEBUG parameter.

Question: 8.

Which method do you call for the first time when you access an XML Web service or service method with which the SOAP extension is configured to execute? (Select the best choice.)

- A. GetInitializer
- B. Intialize
- C. SetIntialize
- D. Begin

Answer: A**Explanation:**

You call the GetInitializer method the first time when you access an XML Web service or service method with which the SOAP extension is configured to execute.

Question: 9.

You need to log when your application is restarted. Which file would interest you? (Select the best choice.)

- A. Global.asax
- B. web.config
- C. Machine.xonfig
- D. Global.asa

Answer: A**Explanation:**

The Global.asax file enables you to manage application-level events. This file resides in the root directory of an ASP.NET Web application or ASP.NET Web service. The Global.asax.cs or Global.asax.vb class file is a hidden, dependent file of Global.asax, which contains the code for handling application events such as the Application_OnError event.

Question: 10.

You create an application using C#, ESOrderFulfillment and configure ESOrderFulfillment to use Integrated Windows authentication. You write the following code to create permissions in GetSalesInfo: PrincipalPermission myPermission1 = New_PrincipalPermission(Nothing, "HRMgr")PrincipalPermission myPermission2 = New_PrincipalPermission(Nothing, "ManagingDirector") You need to write the remaining code in GetDailyRevenue to ensure that only users in the HRMgr group and the ManagingDirector group can access SalesInformation. Which code segment should you use?

- A. myPermission1.Intersect(myPermission2).Demand()
- B. myPermission1.Include(myPermission2).Demand()
- C. myPermission1.Union(myPermission2).Demand()
- D. myPermission1.Demand() myPermission2.Demand()
- E. myPermission2 = myPermission1.Copy()
myPermission2.Demand()

Answer: C**Explanation:**

The Union method creates a permission that is the union of the current permission and the specified permission.

We want a union of the HRMgr and the Director group.

Question: 11.

You are creating an online application using C# to manage meetings for MeetingMakers Inc. This application will contain two fields: Date and time. Which of these codes will create a unique constraint named Events for the table named Calendar?

- A. `<xs:unique name="Calendar"> <xs:field xpath="Date" /> <xs:field xpath="Time" /> <xs:field xpath="Location" /> </xs:unique>`
- B. `<xs:unique name="Events"> <xs:selector xpath="//Calendar" /> <xs:field xpath="Date" /> <xs:field xpath="Time" /> <xs:field xpath="Location" /> </xs:unique>`
- C. `<xs:unique name="Events"> <xs:selector xpath="//Calendar" /> <xs:field xpath="Location" /> </xs:unique>`
- D. `<xs:unique name="Events"> <xs:field xpath="Calendar" /> <xs:field xpath="Time" /> <xs:field xpath="Location" /> </xs:unique>`

Answer: B

Explanation:

This code creates a unique constraint named Events for the table named Calendar. The `<xs:unique>` element defines a unique constraint. The `msdata:PrimaryKey="true"` attribute must be included in order to define a primary key. The `xpath` property of the `<xs:selector>` element points to the table element to which the constraint will be applied, and the `xpath` property of the `<xs:field>` elements identifies the fields that make up the primary key. Multiple `<xs:field>` elements must be used to specify a composite key.

Question: 12.

You are creating a web service that will be used to perform online banking. The bank requires fast response and is protected by a firewall. Which should you choose? (Select all that apply.)

- A. Use HTTP protocol
- B. Use Binary-formatted messages
- C. Use TCP protocol
- D. Use SOAP-formatted messages

Answer: A, B

Explanation:

The Web service should use HTTP protocol and binary-formatted messages for the greatest performance and security. You must use the HTTP protocol in order to utilize the security features of IIS. Binary-formatted messages perform much faster than SOAP-formatted messages. The HTTP Channel class in the .NET Framework provides the mechanism to communicate with the HTTP protocol. To configure the Web service to use the HTTP protocol with binary-formatted messages, the Web.config file should contain text similar to the following.

Question: 13.

You are creating a web based email system which assesses a web service. Which of the following methods should your Web service use to store the provided credentials by email users? (Select the best choice.)

- A. Store the submitted credentials in a Credential Cache object.
- B. Store the submitted credentials in an Authentication Manager object.
- C. Store the submitted credentials in a string array.
- D. Store the submitted credentials in a string, separating each set of credentials with semicolons (;).

Answer: A

Explanation:

In order to store multiple sets of credentials, you should store the submitted credentials in a Credential Cache object. Credential Cache objects store credentials for multiple resources. Neither strings nor string arrays are the ideal choice for storing credentials. The Authentication Manager object manages the authentication modules that are called during authentication.

Question: 14.

Which property of the Soap Exception class will return the SOAP fault code? (Select the best choice.)

- A. Detail
- B. Source
- C. Actor

D. Code

Answer: D

Explanation:

The Actor property gets the code that causes the exception. The Source property gets the name of the application or assembly where the exception occurs. The Code property returns the SOAP fault code.

Question: 15.

Which property of the Soap Exception class will return the code that causes the exception? (Select the best choice.)

- A. Detail
- B. Source
- C. Actor
- D. Code

Answer: C

Explanation:

The Actor property gets the code that causes the exception. The Source property gets the name of the application or assembly where the exception occurs. The Code property returns the SOAP fault code.

Question: 16.

You create a serviced component named Register Student. Register Student implements the IOrderInit interface. The component and the interface contain the following code segments:

```
<GuidAttribute("ES9485-kd9f-kfd9-9fd9-ESESkhdES94"), _ InterfaceType(ComInterfaceType.InterfaceIsDual)> _ Public  
Interface IStudent ' IStudent methods go here End Interface Public Class RegisterStudent Inherits ServicedComponent  
Implements IStudent ' RegisterStudent methods go here.
```

End Class You discover that every time you rebuild RegisterStudent, existing unmanaged client code fails. The HRESULT for the exception is 0x80040154. The exception includes the following message: "Class not registered." You need to resolve this problem. What should you do?

- A. Add a Guid attribute to the IStudent interface.
- B. Add a Guid attribute to the RegisterStudent class.
- C. Add a COM Import attribute to the IStudent interface.
- D. To the RegisterStudent class, add the following attribute:
ClassInterface(ClassInterfaceType.DualType)
- E. To the RegisterStudent class, add the following attribute:
ClassInterface(ClassInterfaceType.Registered)
- F. To the RegisterStudent class, add the following attribute:
ClassInterface(ClassInterfaceType.AutoDual)

Answer: F

Explanation:

The class interface, which is not explicitly defined in managed code, is an interface that exposes all public methods, properties, fields, and events that are explicitly exposed on the .NET object. This interface can be a dual or dispatch-only interface. Class interfaces are only generated when the ClassInterfaceAttribute is set to ClassInterfaceType.AutoDual.

Question: 17.

Which code is a valid way to read the data in the XmlTextReader object? (Select the best choice.)

- A. For myCounter = 0 to reader.Nodes -1
- B. For myCounter = 0 to reader.RecordCount -1
- C. Do Until reader.EOF
- D. While reader.Read()

Answer: D

Explanation:

You should use the code While reader.Read() to read the data in the XmlTextReader object. The XmlTextReader provides read-only, forward-only access to XML data.

Question: 18.

Which XML attribute will not ensure that the IsPrimaryKey property is set to the correct value? (Select all that applies.)

- A. msdata:PrimaryKey="unique"
- B. msdata:Unique="PrimaryKey"
- C. msdata:PrimaryKey="true"
- D. msdata:Unique="true"

Answer: A, B, D

Explanation:

The msdata:PrimaryKey attribute of the <key> or <unique> element determines the value of the IsPrimaryKey property of the unique constraint when a dataset is built from XML data containing a schema. If the attribute is set to true, then the property's value will also be true when the dataset is created.

Question: 19.

Which window in Visual Studio .NET should you use to select the stored procedure to debug? (Select the best choice.)

- A. Command
- B. Output
- C. Server Explorer
- D. Task List

Answer: C

Explanation:

C is correct. You can debug Microsoft SQL Server stored procedures with version 6.5 and Service Pack 3 or later while in Visual Studio .NET. First, use the Server Explorer window to establish a connection to your database. Next, navigate through the database until you find the stored procedure that you want to debug in the stored procedure node. Then, right-click the stored procedure and choose the Step Into Stored Procedure option.

Question: 20.

You are designing a robust class to handle SQL exceptions. You need access to the collection of warning messages that are sent from Microsoft SQL Server. What should you do? (Select the best choice.)

- A. SqlTransaction.Connection
- B. SqlException.Class
- C. SqlError.Source
- D. SqlInfoMessageEventArgs.Errors

Answer: B

Explanation:

The Errors property of the SqlInfoMessageEventArgs class is a collection of warning messages that are sent from Microsoft SQL Server. It is possible to evaluate each message in this collection, but this would not be the most efficient solution. The Connection property of the SqlTransaction class returns a Connection object for a transaction. The Source property of the SqlError class returns the provider's name that produced the error.

Question: 21.

You are working on an XML application using C# which may read XML files without schemas. Which approach will you choose? (Select the best choice.)

- A. Dim dsData As DataSet dsData. ReadXml ("myinfo.xml", XmlReadMode.Infer)
- B. Dim fsMain As New System.IO.FileStream ("myinfo.xml", System.IO.FileMode.Create)
Dim dsData As DataSet dsData. ReadXml(fsMain, XmlReadMode.IgnoreSchema)
- C. Dim dsData As DataSet = New dsData. ReadXml("myinfo.xml",
XmlReadMode.IgnoreSchema)
- D. Dim dsData As DataSet dsData. ReadXml ("myinfo.xml", XmlReadMode.DiffGram)
- E. Dim dsData As DataSet dsData. ReadXml ("myinfo.xml", XmlReadMode. Missing Schema)
- F. Dim dsData As DataSet = New dsData. ReadXml("myinfo.xml", XmlReadMode.Infer)
- G. Dim dsData As DataSet dsData. ReadXml ("myinfo.xml", XmlReadMode.InferSchema)

Answer: G

Explanation:

When XML data is intended to be used in a DataSet object, it is important to know the data structure, or schema. If the schema is not available with the data, then the data can still be used if the XmlReadMode parameter of the ReadXml method is set to InferSchema. When InferSchema is used, elements and attributes in the XML help determine tables and columns.

Question: 22.

You constantly update your assembly. You need a convenient way to inform all applications that utilize the assembly that the applications should use the latest version of the assembly. What should you do? (Select the best choice.)

- A. Use Regsvr32.exe to register the assembly.
- B. Place a publisher policy in the GAC.
- C. Use the Fuslogvw.exe tool to modify assembly bindings.

D. Use the Sn.exe utility to assign the assembly a strong name.

Answer: B

Explanation:

Using a policy file, we can inform all applications that utilize the assembly that the applications should use the latest version of the assembly.

Question: 23.

You are debugging your .Net remoting application using C#. Which tool will provide you with information regarding an application's inability to bind to an assembly? (Select the best choice.)

- A. Use Regsvr32.exe to register the assembly.
- B. Place a publisher policy in the GAC.
- C. Use the Fuslogvw.exe tool to modify assembly bindings.
- D. Use the Sn.exe utility to assign the assembly a strong name.

Answer: C

Explanation:

The Fuslogvw.exe tool provides information regarding an application's inability to bind to an assembly.

Question: 24.

You have developed a serviced component to handle a distributed transactions for WholesaleES Inc. You need to ensure that all orders must be completed successfully committed or rolled back but you prefer to handle it manually. You have used the <AutoComplete()> attribute previously. You use a Try..Catch block Which of the following actions should you take? (Select the best choice.)

- A. Replace the <AutoComplete()> attribute with a <JustInTime> attribute.
- B. Replace the <AutoComplete()> attribute with a <ManualTransaction()> attribute.
- C. Remove the <AutoComplete()> attribute and use the SetComplete and SetAbort methods of the ContextUtil object in the Try..Catch block.
- D. Remove the <AutoComplete()> attribute and use the RollBack and Commit methods of the ContextUtil object in the Try..Catch block.

Answer: C

Explanation:

You should remove the <AutoComplete()> attribute and use the SetComplete and SetAbort methods of the ContextUtil object in the Try..Catch block. The ContextUtil object is Microsoft's preferred method of interacting with COM+ services.

The SetComplete and SetAbort methods manually commit or roll back a distributed transaction. The <AutoComplete()> attribute is used to define a function that implements automatic transactions. Because this function will now be using manual transactions, the <AutoComplete()> attribute should be removed. None of the other choices will produce the desired result.

For complete [Exam 70-320 Training kits and Self-Paced Study Material](http://www.certsking.com/70-320)

Visit:

<http://www.certsking.com/70-320.html>

CERTSKING

The Best Leader In Certifications

<http://www.certsking.com/>

