

# 70-516

## Microsoft

### *TS: Accessing Data with Microsoft .NET Framework 4*

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<b>Exam Name:</b>	<b>Accessing Data with Microsoft .NET Framework 4</b>		
<b>Exam Type:</b>	<b>Microsoft</b>		
<b>Exam Code:</b>	<b>70-516</b>	<b>Total Questions:</b>	<b>87</b>

**Question: 1**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application uses the ADO.NET Entity Framework to model entities. You define a Category class by writing the following code segment. (Line numbers are included for reference only.)

```
public class Category
{
public int CategoryID { get; set; }
public string CategoryName { get; set; }
public string Description { get; set; }
public byte[] Picture { get; set; }
}
```

You need to add a collection named Products to the Category class. You also need to ensure that the collection supports deferred loading.

Which code segment should you insert at line 07?

- A. Public static list <product> products { get; set; }
- B. Public virtual list <product> products { get; set; }
- C. Public abstract list <product> products { get; set; }
- D. Protected list <product> products { get; set; }

**Answer: B**

**Question: 2**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Windows Forms application.

You plan to deploy the application to several shared client computers.

You write the following code segment. (Line numbers are included for reference only.)

```
01 Configuration config = ConfigurationManager.OpenExeConfiguration(exeConfigName);
02
03 config.Save();
04...
```

You need to encrypt the connection string stored in the .config file.

Which code segment should you insert at line 02?

- A. Connectionstringssection section = config.getsection("connectionstring") as connectionstringssection; section.sectioninformation.protectsection("dataprotectionconfigurationprovider");
- B. Connectionstringssection section = config.getsection("connectionstrings") as connectionstringssection; section.sectioninformation.protectsection("dataprotectionconfigurationprovider");
- C. Connectionstringssection section = config.getsection("connectionstring") as connectionstringssection; section.sectioninformation.protectsection("rsaprotectedconfigurationprovider");
- D. Connectionstringssection section = config.getsection("connectionstrings") as connectionstringssection; section.sectioninformation.protectsection("rsaprotectedconfigurationprovider");

**Answer: D**

**Question: 3**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Microsoft Windows Forms application.

You plan to deploy the application to several shared client computers.

You write the following code segment. (Line numbers are included for reference only.)

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01?Dim config As Configuration =  
ConfigurationManager.OpenExeConfiguration(exeConfigName)

02

03config.Save()

04...

You need to encrypt the connection string stored in the .config file.

Which code segment should you insert at line 02?

- A. Dim section as connectionstringssection = trycast(config.getsection("connectionstring"), connectionstringssection)  
section.sectioninformation.protectsection("dataprotectionconfigurationprovider")
- B. Dim section as connectionstringssection = trycast(config.getsection("connectionstrings"), connectionstringssection)  
section.sectioninformation.protectsection("dataprotectionconfigurationprovider")
- C. Dim section as connectionstringssection = trycast(config.getsection("connectionstring"), connectionstringssection)  
section.sectioninformation.protectsection("rsaprotectedconfigurationprovider")
- D. Dim section as connectionstringssection = trycast(config.getsection("connectionstrings"), connectionstringssection)  
section.sectioninformation.protectsection("RsaProtectedConfigurationProvider")

**Answer: D**

**Question: 4**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. The application connects to a Microsoft SQL Server database. The application uses the ADO.NET

Entity Framework to model entities.

The database includes objects based on the exhibit. (Click the Exhibit button.)

The application includes the following code segment. (Line numbers are included for reference only.)

```
01using (AdventureWorksEntities context = new AdventureWorksEntities()){
02
03foreach (SalesOrderHeader order in customer.SalesOrderHeader){
04Console.WriteLine(String.Format("Order: {0} ", order.SalesOrderNumber));
05foreach (SalesOrderDetail item in order.SalesOrderDetail){
06Console.WriteLine(String.Format("Quantity: {0} ", item.Quantity));
07Console.WriteLine(String.Format("Product: {0} ", item.Product.Name));
08}
09}
10}
```

You want to list all the orders for a specified customer.

You need to ensure that the list contains the following fields:

"Order number

"Quantity of products

"Product name

Which code segment should you insert at line 02?

- A. Contact customer = context.contact.where("it.contactid = @customerid", new objectparameter("customerid", customerid)).first();
- B. Contact customer = context.contact.where("it.contactid = @customerid", new objectparameter("customerid", customerid)).first();
- C. Context.contextoptions.lazyloadingenabled = true;  
Contact customer = (from contact in context.contact  
include("salesorderheader.salesorderdetail"))

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Select conatct). Firstordefault());  
D. Contact customer = (from contact in context.contact include("salesorderheader")  
Select conatct). Firstordefault());

**Answer: B**

**Question: 5**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application.  
You use the ADO.NET Entity Framework to model entities.

You write the following code segment. (Line numbers are included for reference only.)

```
01AdventureWorksEntities context = New AdventureWorksEntities (  
02http://localhost:1234/AdventureWorks.svc  
03);  
04
```

```
05var q = from c in context.Customers
```

```
06where c.City == "London"
```

```
07orderby c.CompanyName
```

```
08select c;
```

You need to ensure that the application meets the following requirements:

"Compares the current values of unmodified properties with values returned from the data source.

"Marks the property as modified when the properties are not the same.

Which code segment should you insert at line 04?

- A. Context.mergeoption = mergeoption.appendonly;
- B. Context.mergeoption = mergeoption.preservechanges;
- C. Context.mergeoption = mergeoption.overwritechanges;
- D. Context.mergeoption = mergeoption.notracking;

**Answer: B**

**Question: 6**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application.  
You use the ADO.NET Entity Framework to model entities.

You write the following code segment. (Line numbers are included for reference only.)

```
01Dim context As New AdventureWorksEntities("http://localhost:1234/AdventureWorks.svc")  
02
```

```
03Dim q As var = From c In context.Customers _
```

```
04Where c.City ="London" _
```

```
05Order By c.CompanyName _
```

```
06Select c
```

You need to ensure that the application meets the following requirements:

"Compares the current values of unmodified properties with values returned from the data source.

"Marks the property as modified when the properties are not the same.

Which code segment should you insert at line 02?

- A. Context.mergeoption = mergeoption.appendonly
- B. Context.mergeoption = mergeoption.preservechanges
- C. Context.mergeoption = mergeoption.overwritechanges
- D. Context.mergeoption = mergeoption.notracking

**Answer: B**

**Question: 7**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application.  
You use the ADO.NET Entity Framework to model entities.

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You write the following code segment. (Line numbers are included for reference only.)

```

01public partial class SalesOrderDetail : EntityObject
02{
03partial void OnOrderQtyChanging(short value)
04{
05
06{
07...
08}
09}
10}

```

You need to find out whether the object has a valid ObjectStateEntry instance. Which code segment should you insert at line 05?

- A. If (this.entitystate != entitystate.Detached)
- B. If (this.entitystate != entitystate.Unchanged)
- C. If (this.entitystate != entitystate.Modified)
- D. If (this.entitystate != entitystate.Added)

**Answer: D**

**Question: 8**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create an application. You use the ADO.NET Entity Framework to model entities.

You write the following code segment. (Line numbers are included for reference only.)

```

01Public Partial Class SalesOrderDetail
02Inherits EntityObject
03Partial Sub OnOrderQtyChanging(value As Short)
04
05End Sub
06End Class

```

You need to find out whether the object has a valid ObjectStateEntry instance. Which code segment should you insert at line 04?

- A. If me.entitystate <> entitystate.detached then end if
- B. If me.entitystate <> entitystate.unchanged then end if
- C. If me.entitystate <> entitystate.modified then end if
- D. If me.entitystate <> entitystate.added then end if

**Answer: D**

**Question: 9**

You use Microsoft Visual Studio 2010, Microsoft Sync Framework, and Microsoft .NET Framework 4 to create an application. You have a ServerSyncProvider connected to a Microsoft SQL Server database. The database is hosted on a Web server. Users will use the Internet to access the Customer database through the ServerSyncProvider.

You write the following code segment. (Line numbers are included for reference only.)

```

01SyncTable customerSyncTable = new SyncTable("Customer");
02customerSyncTable.CreationOption = TableCreationOption.UploadExistingOrCreateNewTable;
03
04customerSyncTable.SyncGroup = customerSyncGroup;
05 this.Configuration.SyncTables.Add(customerSyncTable);

```

You need to ensure that the application meets the following requirements:

"Users can modify data locally and receive changes from the server.

"Only changed rows are transferred during synchronization.

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Which code segment should you insert at line 03?

- A. Customersynctable.syncdirection = syncdirection.downloadonly;
- B. Customersynctable.syncdirection = syncdirection.snapshot;
- C. Customersynctable.syncdirection = syncdirection.bidirectional;
- D. Customersynctable.syncdirection = syncdirection.uploadonly;

**Answer: C**

**Question: 10**

You use Microsoft Visual Studio 2010, Microsoft Sync Framework, and Microsoft .NET Framework 4 to create an application. You have a ServerSyncProvider connected to a Microsoft SQL Server database. The database is hosted on a Web server. Users will use the Internet to access the Customer database through the ServerSyncProvider.

You write the following code segment. (Line numbers are included for reference only.)

```
01Dim customerSyncTable As New SyncTable("Customer")
02customerSyncTable.CreationOption = TableCreationOption.UploadExistingOrCreateNewTable
03
04customerSyncTable.SyncGroup = customerSyncGroup
05Me.Configuration.SyncTables.Add(customerSyncTable)
```

You need to ensure that the application meets the following requirements:

"Users can modify data locally and receive changes from the server.

"Only changed rows are transferred during synchronization.

Which code segment should you insert at line 03?

- A. Customersynctable.syncdirection = syncdirection.downloadonly
- B. Customersynctable.syncdirection = syncdirection.snapshot
- C. Customersynctable.syncdirection = syncdirection.bidirectional
- D. Customersynctable.syncdirection = syncdirection.uploadonly

**Answer: C**

**Question: 11**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Windows Communication Foundation (WCF) Data Services service. The service connects to a Microsoft SQL Server 2008 database. The service is hosted by an Internet Information Services (IIS) 6.0 Web server. The application works correctly in the development environment. However, when you connect to the service on the production server, attempting to update or delete an entity results in an error. You need to ensure that you can update and delete entities on the production server. What should you do?

- A. Add the following line of code to the InitializeService method of the service.  
Config.SetEntitySetAccessRule ("\*",EntitySetRights.WriteDelete | EntitySetRights.WriteInsert);
- B. Add the following line of code to the InitializeService method of the service.  
Config.SetEntitySetAccessRule ("\*",EntitySetRights.WriteDelete | EntitySetRights.WriteMerge);
- C. Configure IIS to allow the PUT and DELETE verbs for the .svc Application Extension.
- D. Configure IIS to allow the POST and DELETE verbs for the .svc Application Extension.

**Answer: C**

**Question: 12**

You use Microsoft Visual Studio 2010 and Microsoft .NET Framework 4 to create a Windows Communication Foundation (WCF) Data Services service. The service connects to a Microsoft SQL Server 2008 database. The service is hosted by an Internet Information Services (IIS) 6.0 Web server. The application works correctly in the development environment. However, when



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