

Exam Questions 70-487

Developing Windows Azure and Web Services

<https://www.2passeasy.com/dumps/70-487/>



NEW QUESTION 1

DRAG DROP

Flight information data provided by Margie's Travel is updated both locally and remotely. When the data is synced, all changes need to be merged together without causing any data loss or corruption.

You need to implement the Sync() method in the MargiesTravelSync.es file.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

XmlReadMode.DiffGram

XmlReadMode.Fragment

XmlReadMode.InferSchema

XmlWriteMode.DiffGram

XmlWriteMode.IgnoreSchema

Answer Area

```

public void Sync()
{
    var sendStream = SendStream();
    var receiveStream = ReceiveStream();
    var local = LoadLocal();

    local.WriteXml(sendStream, );

    local.ReadXml(receiveStream, );
}
                    
```

Answer:

Explanation:

<http://msdn.microsoft.com/en-us/library/ms135424.aspx>

NEW QUESTION 2

DRAG DROP

Historical flight information data will be stored in Windows Azure Table Storage using the FlightInfo class as the table entity.

There are millions of entries in the table. Queries for historical flight information specify a set of airlines to search and whether the query should return only late flights. Results should be ordered by flight name.

You need to specify which properties of the FlightInfo class should be used at the partition and row keys to ensure that query results are returned as quickly as possible.

What should you do? (To answer, drag the appropriate properties to the correct location or locations in the answer area. Each property may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Airline

WasLate

Flight

Arrival

Answer Area

Use the property as the partition key.

Use the property as the row key.

Answer:

Explanation:

Airline

WasLate

Flight

Arrival

Answer Area

Use the Airline property as the partition key.

Use the Flight property as the row key.

NEW QUESTION 3

DRAG DROP

The service has been deployed to Windows Azure.

Trey Research has provided version 1.3.0.0 of the assembly to support a change in the serialization format. The service must remain available during the transition to the new serialization format.

You need to ensure that the service is using the new assembly.

Which configuration setting should you add to the web.config? (To answer, drag the appropriate configuration elements to the correct location or locations in the answer area. Each configuration element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

codeBase version="1.3.0.0" href="Trey.Serialization.dll"

bindingRedirect oldVersion="1.2.5.0" newVersion="1.3.0.0"

bindingRedirect oldVersion="1.2.0.0" newVersion="1.3.0.0"

runtime

location

<

>

<assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
<dependentAssembly>
<assemblyIdentity name="Trey.Serialization" />

<

</dependentAssembly>
</assemblyBinding>

</

>

Answer:

Explanation:

See: <http://msdn.microsoft.com/en-us/library/7wd6ex19.aspx>

NEW QUESTION 4

You are adding a new REST service endpoint to the FlightDataController controller. It returns flights from the consolidated data sources only for flights that are late.

You need to write a LINQ to Entities query to extract the required data.

Which code segment should you use?

- ☐ A.

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsQueryable()
    .Join(historical, x => x.Flight, y => y.Flight, (x, y) => new { Current = x,
    Historical = y })
    .Where(x => x.Historical.WasLate)
    .Select(x => x.Current);
```
- ☐ B.

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsEnumerable()
    .Where(x => historical.All(y => y.WasLate && x.Flight == y.Flight))
    .Select(x => x);
```
- ☐ C.

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsQueryable()
    .Where(x => historical.Select(y => y.Flight).Contains(x.Flight))
    .Where(x => historical.Any(y => y.WasLate))
    .Select(x => x);
```
- ☐ D.

```
var historical = LoadHistorical();
var query = _Context.FlightInfo.AsEnumerable()
    .Join(historical, x => x.Flight, y => y.Flight, (x, y) => new { Current = x,
    Historical = y })
    .Where(x => x.Historical.WasLate)
    .Select(x => x.Current);
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation: Explanation/Reference:

D is right because you send result as REST so if you use "AsQueryable" the result is deferred to the next enumeration of your result.

D is not optimized but will work. A will break at runtime.

Credits to Rem

NEW QUESTION 5

You need to load flight information provided by Consolidated Messenger. Which should you use?

- A. SQL Server Data Transformation Services (DTS)
 B. EntityTransaction and EntityCommand
 C. Office Open XML
 D. OleDbConnection and OleDbDataReader

Answer: D

NEW QUESTION 6

DRAG DROP

You need to parse flight information from Blue Yonder Airlines. The content of the XML file is shown below.

```
<?xml version="1.0" encoding="utf-8"?>
<AirlineFeed>
  <Flight xmlns="urn:CFI" name="AS515">
    <Seats>123</Seats>
    <Arrival>5/2/2011 12:01:13</Arrival>
  </Flight>
  <Flight name="UN24">
    <Seats>123</Seats>
    <Arrival>5/1/2012 10:17:57 PM +02:00</Arrival>
  </Flight>
  <FlightManifest>
    ...
  </FlightManifest>
</AirlineFeed>
```

Some airlines do not specify the timezone of the arrival time. If the timezone is not specified, then it should be interpreted per the business requirements. You need to implement the LoadFlights() and Parse() methods of the BlueYonderLoader class. What should you do? (To answer, drag the appropriate code segments to the correct location in the answer area. Each segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

=====

```
var flights = feed.Elements(
    feed.Root.GetPrefixOfNamespace("{urn:CFI}") + "Flight");
```

```
var flights = feed.Descendants().Where(x =>
    x.NodeType != XmlNodeType.XmlDeclaration && (string)x ==
    "Flight");
```

```
var flights = feed.Descendants("{urn:CFI}Flight")
    .Concat(feed.Descendants("Flight"));
```

```
fi.Arrival = DateTimeOffset.Parse(arrivalRaw,
    null, System.Globalization.DateTimeStyles.AssumeUniversal);
```

```
fi.Arrival = DateTimeOffset.Parse(arrivalRaw,
    null, System.Globalization.DateTimeStyles.AdjustToUniversal);
```

```
fi.Arrival = XmlConvert.ToDateTimeOffset(arrivalRaw,
    new[] { "Local", "Universal" });
```

=====

```
public IEnumerable<FlightInfo> LoadFlights(XDocument feed)
{
```

```
    return flights.Select(x => Parse(x));
```

```
}
```

```
private FlightInfo Parse(XElement flightElement)
```

```
{
```

```
    var fi = new FlightInfo();
    fi.Flight = flightElement.Attribute("name").Value;
    var arrivalRaw = flightElement.Element("Arrival").Value;
```

```
    fi.Seats = XmlConvert.ToInt32(flightElement.Element("Seats").Value);
    return fi;
```

```
}
```


Answer:

Explanation:

```
public IEnumerable<FlightInfo> LoadFlights(XDocument feed)
{
    var flights = feed.Descendants("(urn:CFI)Flight")
        .Concat(feed.Descendants("Flight"));

    return flights.Select(x => Parse(x));
}

private FlightInfo Parse(XElement flightElement)
{
    var fi = new FlightInfo();
    fi.Flight = flightElement.Attribute("name").Value;
    var arrivalRaw = flightElement.Element("Arrival").Value;

    fi.Arrival = DateTimeOffset.Parse(arrivalRaw,
        null, System.Globalization.DateTimeStyles.AssumeUniversal);

    fi.Seats = XmlConvert.ToInt32(flightElement.Element("Seats").Value);
    return fi;
}
```

NEW QUESTION 7

You are adding a new REST service endpoint to the FlightDataController controller that returns the total number of seats for each airline. You need to write a LINQ to Entities query to extract the required data.

Which code segment should you use?

- ☐ A.

```
var query = from flight in _Context.FlightInfo
group flight by flight.Seats into agg
let airline = agg.First()
select new
{
    TotalSeats = agg.Key,
    Airline = airline,
};
```
- ☐ B.

```
var query = from flight1 in _Context.FlightInfo
from flight2 in _Context.FlightInfo
where flight1.Airline == flight2.Airline
select new
{
    Airline = flight1.Airline,
    TotalSeats = Math.BigMul(flight1.Seats, flight2.Seats),
};
```
- ☐ C.

```
var query = from flight in _Context.FlightInfo
from airline in flight.Airline
group airline by airline into agg
select new
{
    Airline = agg.Key,
    TotalSeats = agg.Sum(x => Convert.ToInt32(x)),
};
```
- ☐ D.

```
var query = from flight in _Context.FlightInfo
group flight by flight.Airline into agg
select new
{
    Airline = agg.Key,
    TotalSeats = agg.Sum(x => x.Seats),
};
```

- A. Option A
 B. Option B
 C. Option C

D. Option D

Answer: D

NEW QUESTION 8

You need to load flight information provided by Consolidated Messenger. What should you use?

- A. Office Open XML
- B. COM interop
- C. OleDbConnection and OleDbDataReader
- D. EntityConnection and EntityDataReader

Answer: C

NEW QUESTION 9

Historical flight information data will be stored in Windows Azure Table Storage using the FlightInfo class as the table entity.

There are millions of entries in the table. Queries for historical flight information specify a set of airlines to search and whether the query should return only late flights. Results should be ordered by flight name.

You need to specify which properties of the FlightInfo class should be used at the partition and row keys to ensure that query results are returned as quickly as possible.

What should you do? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Use the WasLate property as the row key.
- B. Use the Airline property as the row key.
- C. Use the WasLate property as the partition key
- D. Use the Arrival property as the row key.
- E. Use the Airline property as the partition key.
- F. Use the Flight property as the row key.

Answer: BF

NEW QUESTION 10

Transformed historical flight information provided by the RemoteDataStream() method must be written to the response stream as a series of XML elements named Flight within a root element named Flights. Each Flight element has a child element named FlightName that contains the flight name that starts with the two-letter airline prefix.

You need to implement the StreamHistoricalFlights() method so that it minimizes the amount of memory allocated.

Which code segment should you use as the body of the StreamHistoricalFlights() method in the HistoricalDataLoader.es file?

- ☐ A.

```
responseWriter.WriteStartElement("Flights");
var flights = RemoteDataStream()
    .OrderBy(x => GetAirline(x.Element("FlightName")));
var filteredFlights = flights
    .SkipWhile(x => GetAirline(x.Element("FlightName")) != airline);
foreach (var f in filteredFlights)
{
    var flight = ConvertToHistoricalFlight(f);
    flight.WriteTo(responseWriter);
}
responseWriter.WriteEndElement();
```
- ☐ B.

```
responseWriter.WriteStartElement("Flights");
var flights = RemoteDataStream().Select(x =>
{
    if (GetAirline(x) == airline)
    {
        return ConvertToHistoricalFlight(x);
    }
    return null;
});
flights.TakeWhile(x =>
{
    x.WriteTo(responseWriter);
    return x != null;
});
responseWriter.WriteEndElement();
```
- ☐ C.

```
var data = RemoteDataStream().ToDictionary(x =>
    GetAirline(x.Element("FlightName")),
    x => new XElement("Flights", ConvertToHistoricalFlight(x).Descendants()));
data[airline].WriteTo(responseWriter);
```
- ☐ D.

```
var flights = new XElement("Flights",
    from flight in RemoteDataStream()
    where GetAirline(flight.Element("FlightName")) == airline
    select ConvertToHistoricalFlight(flight));
flights.WriteTo(responseWriter);
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

<http://msdn.microsoft.com/en-us/library/system.xml.linq.xstreamingelement.aspx> and
<http://msdn.microsoft.com/en-us/library/bb551307.aspx>

NEW QUESTION 10

DRAG DROP

The GetVendorPolicy() private method in the ProcessedOrderController controller is returning a CacheItemPolicy object with default values. The returned policy must expire if the external file located at C:\Triggers\VendorTrigger.txt has been modified or the timeout outlined in the technical requirements is reached.

You need to return the policy.

How should you build the method? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Priority

ChangeMonitors

AbsoluteExpiration

Expiration

DateTime.AddMinutes

DateTime.Now.AddMinutes

Answer Area

```

private CacheItemPolicy GetVendorPolicy()
{
    CacheItemPolicy vendorPolicy = new CacheItemPolicy();

    vendorPolicy.

    =  (10);

    vendorPolicy.

    .Add(new HostFileChangeMonitor(GetTriggerPaths()));

    return vendorPolicy;
}
                
```

Answer:

Explanation:

<http://msdn.microsoft.com/en-us/library/system.runtime.caching.cacheitempolicy.aspx>

NEW QUESTION 11

DRAG DROP

You add a class named ShippingInfo.

You need to modify the IShippingService interface and the ShippingInfo class to meet the technical requirements.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

[DataMember]

[CollectionDataContract]

[DataContract]

[ServiceContract]

[OperationContract]

Answer Area

```



public interface IShippingService
{
    
    ShippingInfo GetShippingInfo(int orderNum);
}



public class State
{
    
    public string StateName { get; set; }
}



public class ShippingInfo : State
{
    
    public string StreetAddress { get; set; }

    
    public string ZipCode { get; set; }
}
                
```

Answer:

Explanation:

<http://msdn.microsoft.com/en-us/library/system.servicemodel.servicecontractattribute.aspx>

NEW QUESTION 14

DRAG DROP

You need to create the ShippingContext class in the ShippingAddress.es file to meet the requirements.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

ObjectSet

ObjectContext

ObjectResult

LazyLoadingEnabled = true;

LazyLoadingEnabled = false;

Answer Area

```

public class ShippingContext : 
{
    public ShippingContext()
        : base("name=ShippingAddressEntities")
    {
        this.ContextOptions.
    }
    public <ShippingAddress> ShippingAddresses
    {
        get { return CreateObjectSet<ShippingAddress>(); }
    }
    public <State> States
    {
        get { return CreateObjectSet<State>(); }
    }
}
        
```

Answer:

Explanation:

```

public class ShippingContext : ObjectContext
{
    public ShippingContext()
        : base("name=ShippingAddressEntities")
    {
        this.ContextOptions. LazyLoadingEnabled = true;
    }
    public ObjectSet <ShippingAddress> ShippingAddresses
    {
        get { return CreateObjectSet<ShippingAddress>(); }
    }
    public ObjectSet <State> States
    {
        get { return CreateObjectSet<State>(); }
    }
}
        
```

NEW QUESTION 15

You need to modify the ExecuteCommandProcedure() method to meet the technical requirements. Which code segment should you use?

- ☐ A.

```
private async Task ExecuteCommandProcedure(EntityCommand command)
{
    using (EntityConnection connection = new EntityConnection
("name=ExternalOrdersEntities"))
    {
        command.Connection = connection;
        await connection.OpenAsync();
        await command.ExecuteNonQueryAsync();
    }
}
```
- ☐ B.

```
private void ExecuteCommandProcedure(EntityCommand command)
{
    using (EntityConnection connection = new EntityConnection
("name=ExternalOrdersEntities"))
    {
        command.Connection = connection;
        command.ExecuteNonQueryAsync();
    }
}
```
- ☐ C.

```
private void ExecuteCommandProcedure(EntityCommand command)
{
    using (EntityConnection connection = new EntityConnection
("name=ExternalOrdersEntities"))
    {
        command.Connection = connection;
        connection.OpenAsync();
        command.ExecuteNonQueryAsync();
    }
}
```
- ☐ D.

```
private async Task ExecuteCommandProcedure(EntityCommand command)
{
    using (EntityConnection connection = new EntityConnection
("name=ExternalOrdersEntities"))
    {
        command.Connection = connection;
        connection.OpenAsync();
        command.ExecuteNonQueryAsync();
    }
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: A

NEW QUESTION 16

DRAG DROP

The GetQueueItems() action in the InboundQueueController controller is not populating the view with data. The action must populate the view with data by calling the GetExternalOrders() method in the ExternalQueueService service using the ChannelFactory class.

You need to modify the action to populate the view with data.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

InboundQueue

IExternalQueueService

BasicHttpBinding

GetExternalOrders

CreateChannel

Answer Area

```

ChannelFactory< > qFactory =
    new ChannelFactory< >(
        new
            (),
        new EndpointAddress(
            "http://localhost:62965/ExternalQueueService.svc"));

IExternalQueueService qService =

    qFactory.
        ();

IEnumerable< > inboundOrders =

    qService.GetExternalOrders();

return View(inboundOrders);
                
```

Answer:

Explanation:

```

ChannelFactory< IExternalQueueService > qFactory =
    new ChannelFactory< IExternalQueueService >(
        new BasicHttpBinding
            (),
        new EndpointAddress(
            "http://localhost:62965/ExternalQueueService.svc"));

IExternalQueueService qService =

    qFactory. CreateChannel
        ();

IEnumerable< InboundQueue > inboundOrders =

    qService.GetExternalOrders();

return View(inboundOrders);
                
```

NEW QUESTION 20

The DeleteExternalOrder() method in the ExternalQueueService service is not throwing a FaultException exception as defined by the FaultContractAttribute attribute in the IExternalQueueService.cs file.

You need to throw the FaultException exception.

Which code segments can you insert at line EQ45 to achieve this goal? (Each correct answer presents a complete solution. Chose all that apply)

- ☐ A. `throw new FaultException<OrderNotFoundException>(ex.ExceptionMessage);`
- ☐ B. `throw new FaultException<OrderNotFoundException>(ex, new
 FaultReason("Order not found."));`
- ☐ C. `throw new FaultException<OrderNotFoundException>(ex);`
- ☐ D. `throw new FaultException
 (new OrderNotFoundException(new Exception(ex.ExceptionMessage)), "Order not
 found.");`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: BC

NEW QUESTION 21

You need to regenerate the service proxies to include task-based asynchronous method signatures.
 Which command should you use?

- A. `aspnet_regiis.exe /t:code http://localhost:62965/UploadCallbackService.svc`
 B. `svcutil.exe /t:code http://localhost:62965/UploadCallbackService.svc`
 C. `aspnet_compiler.exe /t:code http://localhost:62965/UploadCallbackService.svc`
 D. `aspnet_regiis.exe /t:code http://localhost:62965/UploadService.svc`
 E. `svcutil.exe /t:code http://localhost:62965/UploadService.svc`

Answer: B

Explanation:

<http://msdn.microsoft.com/en-us/library/aa347733.aspx>

NEW QUESTION 22

The `DeleteExternalOrder()` method in the `ExternalQueueService` service is not throwing a `FaultException` exception as defined by the `FaultContractAttribute` attribute in the `IExternatQueueService.cs` file.
 You need to throw the `FaultException` exception.

Which code segment can you insert at line EQ45 to achieve this goal? (Each correct answer presents a complete solution. Chose all that apply.)

- ☐ A. `string queryString = @"SELECT q.OrderNum, q.VendorId, q.FilePath, q.OrderValue
 FROM ExternalOrdersEntities.InboundQueues AS q WHERE q.OrderNum = @orderNum";`
- ☐ B. `string queryString = @"SELECT * FROM ExternalOrdersEntities.InboundQueues
 WHERE OrderNum = @orderNum";`
- ☐ C. `string queryString = @"SELECT VALUE q FROM ExternalOrdersEntities.InboundQueues AS q
 WHERE q.OrderNum = @orderNum";`
- ☐ D. `string queryString = @"SELECT VALUE FROM ExternalOrdersEntities.InboundQueues
 WHERE OrderNum = @orderNum";`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: C

NEW QUESTION 25

DRAG DROP

You need to modify the `ExecuteCommandProcedure()` method to meet the technical requirements.
 Which code segment should you use?

await connection.OpenAsync();

await command.ExecuteNonQueryAsync();

connection.OpenAsync();

command.OpenAsync();

await command.QueryAsync();

Answer Area

```
private async Task ExecuteCommandProcedure(EntityCommand command)
{
    using (EntityConnection connection
        = new EntityConnection("name=ExternalOrdersEntities"))
    {
        command.Connection = connection:
        
    }
}
```

Answer:

Explanation:

```
private async Task ExecuteCommandProcedure(EntityCommand command)
{
    using (EntityConnection connection
        = new EntityConnection("name=ExternalOrdersEntities"))
    {
        command.Connection = connection:
        

await connection.OpenAsync();



await command.ExecuteNonQueryAsync();


    }
}
```

NEW QUESTION 29

DRAG DROP

The UploadOrder() method in the UploadCallbackService service is not implementing the callback behavior defined in the IUploadCallBackService interface. You need to modify the class to implement the required callback behavior.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segments may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Multiple

Single

GetOrderValue

UploadCallbackService

IUploadCallback

Answer Area

```
[ServiceBehavior(ConcurrencyMode =
    ConcurrencyMode. )]

public class UploadCallbackService : IUploadCallbackService
{
    public void UploadOrder(int orderNum)
    {
         callback = OperationContext
            .Current.GetCallbackChannel<>();
        decimal value = callback.orderNum);
        UploadDB.UploadOrder.Upload(orderNum, value);
    }
}
```

Answer:

Explanation:


```
[ServiceBehavior(ConcurrencyMode =
    ConcurrencyMode.Single)]

public class UploadCallbackService : IUploadCallbackService
{
    public void UploadOrder(int orderNum)
    {
        IUploadCallback callback = OperationContext
            .Current.GetCallbackChannel<IUploadCallback>();
        decimal value = callback.GetOrderValue(orderNum);
        UploadDB.UploadOrder.Upload(orderNum, value);
    }
}
```

Case Study: 3,
 Online Bookstore
 Background

You are developing an online bookstore web application that will be used by your company's customers.

Technical Requirements

General requirements:

? The web store application must be an ASP.NET MVC application written in Visual Studio.

? The application must connect to a Microsoft SQL database.

? The GetTop100Books() method is mission critical and must return data as quickly as possible. It should take advantage of fast, forward-only, read-only methods of reading data.

? The ImportBooks() method must keep a copy of the data that can be accessed while new books are being imported without blocking reads.

? The Create MonthlyTotalsReport() method must lock the data and prevent others from updating or inserting new rows until complete.

? The college textbook area of the web application must get data from a daily updated CSV file.

? The children's book area of the web application must get data directly from a local database. It must use a connection string. It must also support access to the stored procedures on the database. Further, it is required to have strongly typed objects. Finally, it will require access to databases from multiple vendors and needs to support more than one-to-one mapping of database tables.

? The cookbook functionality is contained within a client-side application that must connect to the server using HTTP and requires access to the data using JavaScript.

? The BookApiController class must have a method that is able to perform ad-hoc queries using OData.

The RESTful API of the bookstore must expose the following endpoints.

Action: Get a list of all books

HTTP method: GET

Relative URI: /books

Action: Get a book by id

HTTP method: GET

Relative URI: /books/id

Action: Create a new book

HTTP method: POST

Relative URI: /books

Action: Update a book

HTTP method: PUT

Relative URI: /books/id

Action: Delete a book

HTTP method: DELETE

Relative URI: /books/id

Application Structure

```
public class Book
{
    public int Id { get; set; }
    public string Name { get; set; }
    public string Title { get; set; }
    public decimal Price { get; set; }
    public DateTime PublishDate { get; set; }
    public int Sales { get; set; }
    public static void SaveFeaturedBooks(IEnumerable<Book> books, string file)
    {
        ...
    }
}

public class BookApiController : ApiController
{
    private readonly IBookRepository bookRepository;
    public BookApiController(IBookRepository bookRepository)
    {
        this.bookRepository = bookRepository;
    }
    public List<Book> Get(int id)
    {
        var book = bookRepository.Find(id);
        if (book == null)
        {
            throw new HttpResponseException(HttpStatusCode.NotFound);
        }
        return new List<Book> { book };
    }
    public HttpResponseMessage Post(Book value)
    {
        if (ModelState.IsValid)
        {
            bookRepository.InsertOrUpdate(value);
            bookRepository.Save();
            var response = new HttpResponseMessage(HttpStatusCode.Created);
            string uri = Url.Route(null, new { id = value.Id });
            response.Headers.Location = new Uri(Request.RequestUri, uri);
            return response;
        }
        throw new HttpResponseException(HttpStatusCode.BadRequest);
    }
    public HttpResponseMessage Put(int id, Book value)
    {

```

```
{
    if (ModelState.IsValid)
    {
        bookRepository.InsertOrUpdate(value);
        bookRepository.Save();
        return new HttpResponseMessage(HttpStatusCode.NoContent);
    }
    throw new HttpResponseException(HttpStatusCode.BadRequest);
}
public void Delete(int id)
{
    var book = bookRepository.Find(id);
    if (book == null)
    {
        throw new HttpResponseException(HttpStatusCode.NotFound);
    }
    bookRepository.Delete(id);
}
}

...

private static void ImportBooks()
{
    using (SqlConnection connection = new SqlConnection(_connectionString))
    {
        connection.Open();
        SqlCommand command = connection.CreateCommand();
        SqlTransaction transaction = connection.BeginTransaction();
        command.Connection = connection;
        command.Transaction = transaction;
        try
        {
            command.CommandText = _commandText;
            command.ExecuteNonQuery();
            transaction.Commit();
        }
        catch (Exception ex)
        {
            transaction.Rollback();
        }
    }
}
```



```
private static void CreateMonthlyTotalsReports()
{
    using (SqlConnection connection = new SqlConnection(_connectionString))
    {
        connection.Open();
        SqlCommand command = connection.CreateCommand();
        SqlTransaction transaction = connection.BeginTransaction();
        command.Connection = connection;
        command.Transaction = transaction;
        try
        {
            command.CommandText = _reportCommandText;
            command.ExecuteNonQuery();
            transaction.Commit();
        }
        catch (Exception ex)
        {
            transaction.Rollback();
        }
    }
}
```

PurchaseOrders.xml

```
<?xml version="1.0"?>
<aw:PurchaseOrder
    aw:PurchaseOrderNumber="99503"
    aw:OrderDate="1999-10-20"
    xmlns:aw="http://www.adventure-works.com">
    <aw:Address aw:Type="Shipping">
        <aw:Name>Ellen Adams</aw:Name>
        <aw:Street>123 Maple Street</aw:Street>
        <aw:City>Mill Valley</aw:City>
        <aw:State>CA</aw:State>
        <aw:Zip>10999</aw:Zip>
        <aw:Country>USA</aw:Country>
    </aw:Address>
    <aw:Address aw:Type="Billing">
        <aw:Name>Tai Yee</aw:Name>
        <aw:Street>8 Oak Avenue</aw:Street>
        <aw:City>Old Town</aw:City>
        <aw:State>PA</aw:State>
        <aw:Zip>95819</aw:Zip>
        <aw:Country>USA</aw:Country>
    </aw:Address>
    <aw:DeliveryNotes>Please leave packages in shed by driveway.</aw:DeliveryNotes>
    <aw:Items>
        <aw:Item aw:PartNumber="872-AA">
            <aw:ProductName>Lawnmower</aw:ProductName>
            <aw:Quantity>1</aw:Quantity>
            <aw:USPrice>148.95</aw:USPrice>
            <aw:Comment>Confirm this is electric</aw:Comment>
        </aw:Item>
        <aw:Item aw:PartNumber="926-AA">
            <aw:ProductName>Baby Monitor</aw:ProductName>
            <aw:Quantity>2</aw:Quantity>
            <aw:USPrice>39.98</aw:USPrice>
            <aw:ShipDate>1999-05-21</aw:ShipDate>
        </aw:Item>
    </aw:Items>
</aw:PurchaseOrder>
```

FeaturedBooks.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<featured>
  <book>
    <id>1</id>
    <title>Science</title>
  </book>
  <book>
    <id>1</id>
    <title>Math</title>
  </book>
  <book>
    <id>1</id>
    <title>History</title>
  </book>
</featured>
```

NEW QUESTION 33

The PurchaseOrders.xml file contains all of the purchase orders for the day. You need to query the XML file for all of the shipping addresses. Which code segment should you use?

- ☐ A.

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Items")
    where (string)el.Attribute(aw + "Type") == "Billing"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```
- ☐ B.

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Address")
    where (string)el.Attribute(aw + "Type") == "Shipping"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```
- ☐ C.

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Address")
    where (string)el.Attribute(aw + "Type") == "Billing"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```
- ☐ D.

```
XElement root = XElement.Load("PurchaseOrders.xml");
XNamespace aw = "http://www.adventure-works.com";
IEnumerable<XElement> address =
    from el in root.Elements(aw + "Items")
    where (string)el.Attribute(aw + "Type") == "Shipping"
    select el;
foreach (XElement element in address)
{
    Console.WriteLine(element);
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

NEW QUESTION 38

DRAG DROP

An XML file must be produced by the SaveFeaturedBooks() method of the Book class. The schema of the resulting XML file must be identical to the FeaturedBooks.xml file.

You need to write the code to produce the file. You have the following code:


```
XDocument document = new XDocument ();
XElement root = new XElement ("Target 1");
foreach (var book in books)
{
    XElement bookElement = new XElement ("book");
    bookElement.Add(new XElement ("id", book.Id) );
    bookElement.Add(new XElement ("Target 2", book.Title));
    root.Add (bookElement);
}
document.Add (root);
document.Save (Target 3);
```

Which code segments should you include in Target 1, Target 2 and Target 3 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content)

Code Segments	Answer Area
featured	Target 1: Code
books	Target 2: Code
title	Target 3: Code
name	
file	
output	

Answer:

Explanation:

Target 1:	featured
Target 2:	title
Target 3:	file

NEW QUESTION 42

You are preparing to write the data access code for the children's book area of the web site. You need to review the requirements and identify the appropriate data access technology. What should you do?

- A. Use ADO.NET Entity Framework.
- B. Use a Web Service.
- C. Use the WCF Data Services.
- D. Use LINQ to SQL.

Answer: A

NEW QUESTION 43

You need to create an OData filter expression that returns books that match the following characteristics:

? Published after 1/1/2000

? Have "Science" as the first word

Which filter statement should you use?

- ☐ A. /books?\$filter=PublishDate greaterthan datetime'2000-1-1' and startswith(Title, 'Science')
- ☐ B. /search?\$filter=PublishDate greaterthan datetime'2000-1-1' and beginswith (Title, 'Science')
- ☐ C. /search?\$filter=PublishDate gt datetime'2000-1-1' and beginswith(Title, 'Science')
- ☐ D. /books?\$filter=PublishDate gt datetime'2000-1-1' and startswith(Title, 'Science')

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

* gt
Greater than Example:
filter= Entry_No gt 610
Query on GLEntry service. Returns entry numbers 611 and higher.
* startswith filter=startswith(Name, 'S')
Query on Customer service. Returns all customers names beginning with “S”.

NEW QUESTION 45

You need to update the ImportBooks() method to use database transactions. Which code segment should you use?

- A. SqlConnection.BeginTransaction(IsolationLevel.RepeatableRead);
- B. SqlConnection.BeginTransaction(IsolationLeve.ReadUnconvnited);
- C. SqlConneetion.BeginTransaction(IsolationLevel.Serializable);
- D. SqlConnection.BeginTransaction(IsolationLevel.Snapshot);

Answer: B

Explanation:

* scenario: The ImportBooks() method must keep a copy of the data that can be accessed while new books are being imported without blocking reads.
* ReadUncommitted
A dirty read is possible, meaning that no shared locks are issued and no exclusive locks are honored.

NEW QUESTION 50

DRAG DROP

You need to update the GetBook() method to retrieve book data by using ADO.NET. You have the following code:

```
public Book GetBook(int id)
{
    using (var conn = new SqlConnection(_connectionString))
    using (var cmd = conn.CreateCommand())
{ Target 1
    cmd.CommandText = Target 2
    Target 3
    using (var reader = cmd.ExecuteReader ())
    {
        if (!reader.Read())
        {
            return null;
        }
        return new Book
        { Target 4
            Name = Target 5
        };
    }
}
}
```

Which code segments should you include in Target 1, Target 2, Target 3, Target 4 and Target 5 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments

conn.Open();

conn.Read();

"SELECT id, name FROM Books WHERE id = @id";

"SELECT id, name FROM Books WHERE id = id";

cmd.Parameters.AddWithValue("@id", id);

cmd.Parameters.AddWithValue("@id", "id");

Id = reader.GetInt32(reader.GetOrdinal("id")),

Id = reader.GetGuid(reader.GetOrdinal(@id)),

reader.GetString(reader.GetOrdinal("name"))

reader.GetString(reader.GetOrdinal(@name))

Answer Area

Target 1:

Code Segment

Target 2:

Code Segment

Target 3:

Code Segment

Target 4:

Code Segment

Target 5:

Code Segment

Answer:

Explanation:

Target 1:

conn.Open();

Target 2:

"SELECT id, name FROM Books WHERE id = id";

Target 3:

cmd.Parameters.AddWithValue("@id", id);

Target 4:

Id = reader.GetGuid(reader.GetOrdinal(@id)),

Target 5:

reader.GetString(reader.GetOrdinal(@name))

NEW QUESTION 54

You need to perform the initial deployment of the web application. You must ensure that the application meets the performance requirements. Which file should you modify before you deploy the application?

- A. the service definition file (.csdef)
- B. the application configuration file (app.config)
- C. the packages configuration file (packages.config)
- D. the Global.asax file (.asax)

Answer: A

Explanation: You use cscfg file to define various settings related to your cloud application (in ConfigurationSettings section). Like app.config file, you get to define other things (e.g.number of instances of your cloud application) in the cscfg file. You could change the settings in a cscfg file on the fly using either the portal or Service Management API without having to repackage and redeploy the application.
Scenario: After the initial deployment, any changes to the business logic of the Web API must cause minimal downtime to the web application in the production environment.

NEW QUESTION 55

ReportApp will shut down every night. However, data from the searches performed during the night must still be collected. You need to recommend a solution to meet the performance requirements for home.aspx. What should you recommend?

- A. ViewState

- B. MemoryCache
- C. OutputCache
- D. ApplicationCache

Answer: C

Explanation: Scenario: When home.aspx is displayed, the rendered page must be cached for 10 minutes. Page output caching
The output of an action method on a controller can be cached using the [OutputCache]attribute on the method. Actions methods that return views will have the rendered page cached, while methods returning JSON data will have that data saved. A number of properties on the OutputCacheAttribute class control how data is cached.
CacheProfile- If a number of methods will have the same cache settings, it makes sense to use the web.config file to create a cache profile that can be used across all these methods.
The Duration attribute of the CacheProfile determines how long, in seconds, the output should be cached. To save an item for 10 minutes, duration would be set to 600.
[OutputCache(Duration=600)]
References: <http://failedturing.blogspot.se/2014/10/microsoft-70-486-design-caching- strategy.html>

NEW QUESTION 59
HOTSPOT

ReportApp will shut down every night. However, data from the searches performed during the night must still be collected.
Based on the security requirements, which line of code should you insert into the WebApiConfig file? To answer, select the appropriate options in the answer area.

Answer Area

config.

Filters.

Add

Formatters.

Remove

Initializer.

 (config.

Filters.

JsonFormatter

Formatters.

XmlFormatter

Initializer.

);

Answer:

Explanation: Scenario: The Web API must only accept one data format.
The MVC front-end layer and the Web API will communicate by using JSON.
The most common approach to support JSON only is to clear other formatters and leave only JsonMediaTypeFormatter around.
Given an instance of HttpConfiguration you'd simply clear all and re-add JsonMediaTypeFormatter:
configuration.Formatters.Clear();
configuration.Formatters.Add(new JsonMediaTypeFormatter());
References: <http://www.strathweb.com/2013/06/supporting-only-json-in-asp-net-web-api- the-right-way/>

NEW QUESTION 63
DRAG DROP

ReportApp will shut down every night. However, data from the searches performed during the night must still be collected.
You need to identify the return types for the car year, price, brand and model. The solution must minimize the number of round trips between the clients and the web servers.
What should you identify? To answer, drag the appropriate return types to the correct objects. Each return type may be used once, more than once, or not at all.
You may need to drag the split bar between panes or scroll to view content.

Return Types

List<String>

String

Task<List<String>>

Task<String>

Answer Area

Brand:

Model:

Price:

Year:

Return type

Return type

Return type

Return type

Answer:

Explanation: Note: A round trip occurs when an object is deserialized and re-serialized in one operation.

From scenario: The application will provide users with the ability to search for a car by using advanced filtering options, such as the car brand, model, year, and price. All of this information will be stored as strings and will be displayed as drop-down lists.

The brand and model lists that will be displayed on the home page of the web application will be retrieved from Windows Communication Foundation (WCF) services hosted in the on- premises environment.

Target 1: Task<String>

Though Performance blocking and Sluggishness are the tailbacks for any application, we can easily overcome these bottlenecks by using asynchronous programming. But old-style practice for asynchronous programming is not way easy enou

Target 2: Task<String>

Target 3: String

Target 4: String

References: <https://rashimuddin.wordpress.com/2013/05/07/task-based-asynchronous-operation-in-wcf/>

NEW QUESTION 65

DRAG DROP

You need to build the connection from ReportApp to read the search dat

Answer:

Explanation: References:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-dotnet-get-started-with-queues>

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics-subscriptions>

Case Study: 5

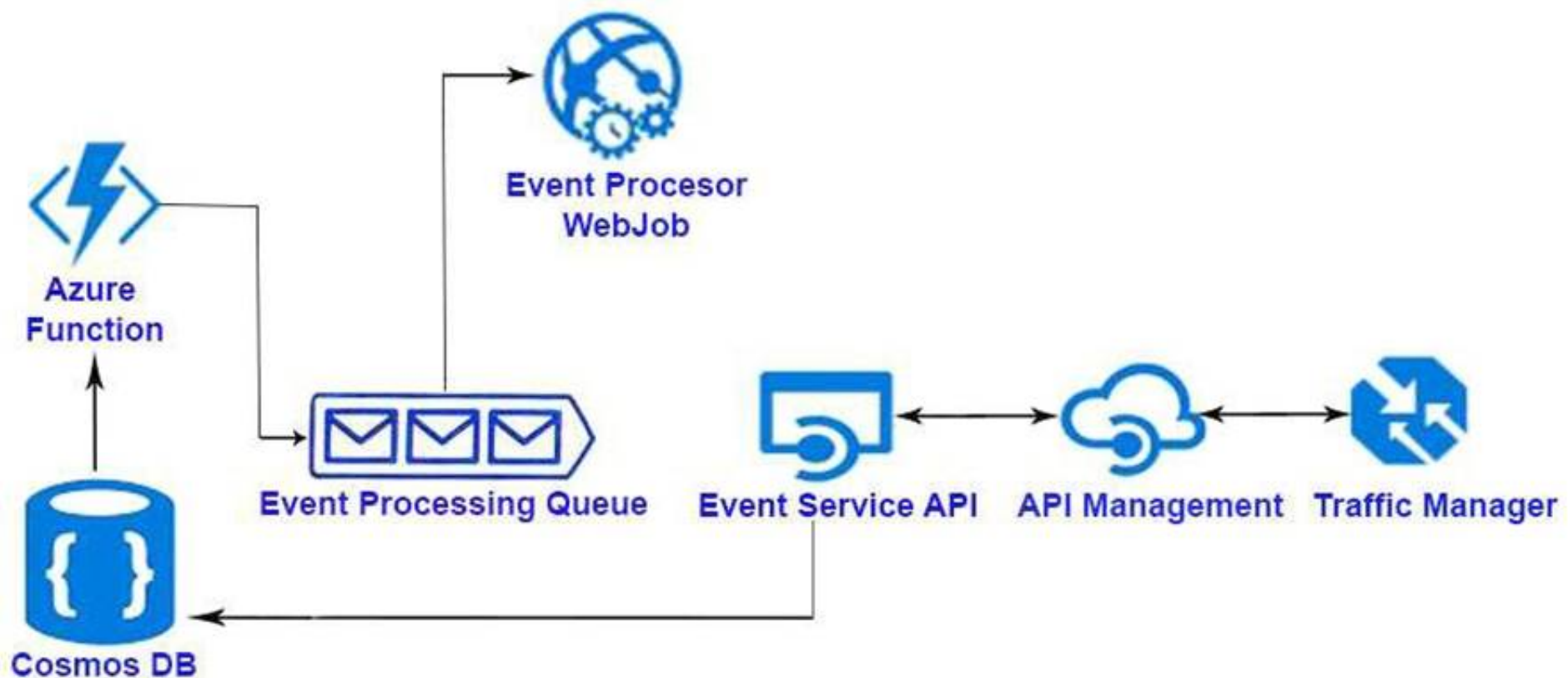
Trey Research Inc

Overview

Trey Research Inc. is a Software-as-a-Service (SaaS) company that provides hosted solutions for business partners around the world. The company is developing a solution that will allow business partners to manage events, including shareholder meetings and trade shows.

You hold meetings with key partners to identify requirements and constraints for the solution. You must minimize costs where possible.

You work with an Azure solutions architect to design the logical structure for the solution. The solution will use the following architecture:



Solution components

The solution will use Azure Traffic Manager to distribute traffic. The solution will use API Management to provide caching for the Event Service. Partner companies will interact with the solution by using the Event Service API. This API will be implemented as an ASP.NET Core Web API that runs as an Azure Web App. Event data will be stored in Cosmos DB using the Document API.

The solution will be highly available. You define regional Azure outages as periods of 60 seconds or more where the Event Service is not available.

An Azure WebJob named EventJob will be deployed with the Event Service Web App. The WebJob:

?Creates new computed events when partner events are created.

?Must be active whenever the Event Service is running.

?Is updated once a quarter.

Trey Research Inc. has developer teams that work with a variety of operating systems including Windows, Linux, and MacOS.

Event Service

Individual events must be immutable. Event data can be up to 800 kilobytes (KB) in size. The Event Service must meet the following requirements:

?Use REST-based design

?Cache data whenever possible.

?Support both JSON and XML-based data.

?Log customer information whenever data is modified.

?Include the X-Customer header in all calls to identify the partner. Regional access to the Event Service API

Data for partners in Germany and Brazil must be served from Azure datacenters in their respective geographies unless there is a regional Azure outage. All other partners must use the US West Azure datacenter.

Testing

All testing must interact directly with the Web App backend. Automated testing of the solution is performed using a remote third-party testing solution.

Event data

You identify the following requirements for the event data store:

?Each partner's event data must be stored in a Collection that is specific to the partner.

?Event data must be available if a regional Azure outage occurs.

?Event read and write operations for a single partner must always store events in the correct order.

Event API

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

Event.cs

```
EE01 public class Event
EE02 {
EE03     public string Name { get; set; }
EE04 }
```

IEventDB

```
IE01 public interface IEventDB
IE02 {
IE03     IEnumerable<Event> LoadEvents();
IE04     void SaveEvent (Event @event);
IE05     string CurrentCustomer { get; set; }
IE06 }
```

EventDB.cs

```
ED01 public class EventDB : IEventDB
ED02 {
ED03     private DocumentClient client;
ED04     public IEnumerable<Event> LoadEvents ()
ED05 {
ED06     . . .
ED07 }
ED08 public void SaveEvent(Event @event)
ED09 {
ED10     . . .
ED11 }
ED12 public string CurrentCustomer { get; set; }
ED13 }
```

EventController.cs

```
EC01 [Route("api/events")]
EC02 public class EventsController : Controller
EC03 {
EC04     public IFileProvider FileProvider { get; }
EC05     public IEventDB EventDB { get; }
EC06     public EventsController(IFileProvider fileProvider, IEventDB eventDB)
EC07 {
EC08         FileProvider = fileProvider;
EC09         EventDB = eventDB;
EC10 }
EC11
EC12 [HttpGet]
EC13 public IEnumerable<Event> GetEvents()
EC14 {
EC15     return EventDB.LoadEvents();
EC16 }
EC17
EC18
EC19 }
```

Event processing

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

Program.cs

```
PR01 using System
PR02 using System.Collections.Generic;
PR03 using System.Linq;
PR04 using System.Text;
PR05 using System.Threading.Tasks;
PR06 using Microsoft.Azure.WebJobs;
PR07 namespace EventJob
PR08 {
PR09 class Program
PR10 {
PR11     static void Main()
PR12     {
PR13         var config = new JobHostConfiguration();
PR14         var host = new JobHost(config);
PR15         host.RunAndBlock();
PR16     }
PR17 }
PR18 }
```

ComputedEventProcessor.cs

```
CE01 public class ComputedEventProcessorBebJob
CE02 {
CE03     public static void ProcessQueueMessage ([QueueTrigger ("eventprocess")] string message, TextWriter log)
CE04     {
CE05         . . .
CE06     }
CE07 }
```

Middleware Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

CustomerMiddleware.cs

```
CM01 public class CustomerMiddleware
CM02 {
CM03     private readonly RequestDelegate _next;
CM04     public CustomerMiddleware (RequestDelegate next)
CM05     {
CM06         _next = next;
CM07     }
CM08     public async Task Invoke(HttpContext httpContext, IEventDB store)
CM09     {
CM10         var user = httpContext.Request.Headers["X-Customer"];
CM11         store.CurrentCustomer = user;
CM12         await _next(httpContext);
CM12     }
CM14 }
```

NEW QUESTION 69

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to ensure that testing, development, and end user access requirements are met.

Solution: Add Web App backend endpoints to Azure Traffic Manager and use weighted routing.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation: Scenario: All testing must interact directly with the Web App backend. Automated testing of the solution is performed using a remote third-party testing solution.

NEW QUESTION 73

DRAG DROP

You need to configure settings to identify regional outages.

Which values should you use? To answer, drag the appropriate values to the correct settings. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values	Answer Area						
<div>3</div> <div>5</div> <div>10</div> <div>20</div>	<table border="1"> <thead> <tr> <th>Setting</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Probing Interval</td> <td>Value</td> </tr> <tr> <td>Tolerated Number of Failures</td> <td>Value</td> </tr> </tbody> </table>	Setting	Value	Probing Interval	Value	Tolerated Number of Failures	Value
Setting	Value						
Probing Interval	Value						
Tolerated Number of Failures	Value						

Answer:

Explanation: Box 1, Probing interval: 10

Probing Interval. This value specifies how often an endpoint is checked for its health from a Traffic Manager probing agent. You can specify two values here: 30 seconds (normal probing)

and 10 seconds (fast probing). If no values are provided, the profile sets to a default value of 30 seconds.

Box 2: Tolerated Number of Failures: 3

Tolerated Number of Failures. This value specifies how many failures a Traffic Manager probing agent tolerates before marking that endpoint as unhealthy. Its value can range between 0 and 9. A value of 0 means a single monitoring failure can cause that endpoint to be marked as unhealthy. If no value is specified, it uses the default value of 3.

Scenario: Regional access to the Event Service API

Data for partners in Germany and Brazil must be served from Azure datacenters in their respective geographies unless there is a regional Azure outage. All other partners must use the US West Azure datacenter.

The solution will be highly available. You define regional Azure outages as periods of 60 seconds or more where the Event Service is not available.

References: <https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-monitoring>

NEW QUESTION 78

You need to ensure that computed events are processed correctly.

What should you do?

- A. Move the WebJob to a different App Service plan.
- B. Select a deployment slot for the WebJob.
- C. Disable WebJobs during deployments.
- D. Create an additional upgrade domain.

Answer: B

Explanation: Scenario: An Azure WebJob named EventJob will be deployed with the Event Service Web App. The WebJob:

References: <https://stackify.com/azure-deployment-slots/>

NEW QUESTION 79

You need to configure DNS for the Event service. How many DNS entries should you create?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: C

Explanation: Scenario: Regional access to the Event Service API

Data for partners in Germany and Brazil must be served from Azure datacenters in their respective geographies unless there is a regional Azure outage. All other partners must use the US West Azure datacenter.

NEW QUESTION 80

DRAG DROP

You need to add code at line SU10 to ensure that event validation can occur.

How should you complete the code? To answer, drag the appropriate code segments to the

correct locations. Each code segment may be used once, more than once, or not at all. You may need to split bar between panes or scroll to view content.
 NOTE: Each correct selection is worth one point.

Code Segments

DirectoryInfo

IFileProvider

IFileInfo

PhysicalFileProvider

EmbeddedFileProvider

CompositeFileProvider

IHostingEnvironment

IApplicationBuilder

Answer Area

```

services.AddSingleton<
Code Segment
,
Code Segment
>(sp=>
{
    return new
Code Segment
(sp.GetService<
Code Segment
>().ContentRootPath);
});
                    
```

Answer:

Explanation:

Answer Area

```

services.AddSingleton<
IApplicationBuilder
,
IHostingEnvironment
>(sp=>
{
    return new
IApplicationBuilder
(sp.GetService<
IHostingEnvironment
>().ContentRootPath);
});
                    
```

Case Study: 6 Mix Questions

NEW QUESTION 84

You are building an ADO.NET Entity Framework application.

You need to validate the conceptual schema definition language (CSDL), store schema definition language (SSDL), and mapping specification language (MSL) files.

Which Entity Data Model tool can you use? (Each correct answer presents a complete solution. Choose all that apply.)

- A. EDM Generator (EdmGen.exe)
- B. ADO.NET Entity Data Model Designer
- C. Entity Data Model Wizard
- D. Update Model Wizard

Answer: AB

NEW QUESTION 89

You are designing an ASP.NET Web API application.

You need to select an HTTP verb to allow blog administrators to moderate a comment. Which HTTP verb should you use?

- A. GET
- B. POST
- C. DELETE
- D. PUT

Answer: D

NEW QUESTION 91

You are developing an ASP.NET MVC web application that contains the following HTML.

```
<table id= "customer" ></table>
```

You also have an ASP.NET Web API application that contains a call for retrieving customers. You must send and retrieve the data in the most compact format possible.

You need to update the HTML for the customers table to contain data from the Web API application.

Which script segment should you use?

☐ A.

```
<script>
$(function () {
    var $customers = $("#customers");
    $.ajax({
        url: "api/customers",
        dataType: "json",
        success: function (data) {
            ...
        }
    });
});
</script>
```

☐ B.

```
<script>
$(function () {
    var $customers = $("#customers");
    $.xml({
        url: "api/customers",
        dataType: "ajax",
        success: function (data) {
            ...
        }
    });
});
</script>
```

☐ C.

```
<script>
$(function () {
    var $customers = $("#customers");
    $.json({
        url: "api/customers",
        dataType: "ajax",
        success: function (data) {
            ...
        }
    });
});
</script>
```

☐ D.

```
<script>
$(function () {
    var $customers = $("#customers");
    $.ajax({
        url: "api/customers",
        dataType: "xml",
        success: function (data) {
            ...
        }
    });
});
</script>
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

NEW QUESTION 92

DRAG DROP

You are developing an ASP.NET MVC Web API application.

The method names of the Web API must match naming guidelines for RESTful services.

You need to create methods to support standard insert, select, update, and delete operations in an HTTP service. What should you do? (To answer, drag the appropriate HTTP methods to the correct row in the table in the answer area. Each HTTP method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

GET
POST
INSERT
DELETE
CREATE
READ
UPDATE
ADD
PUT

Answer Area

Action	HTTP method	Relative URI
Retrieve a list of all customers		/api/customers
Retrieve a customer by id		/api/customers/id
Retrieve a customer by category		/api/customer/?category=category
Create a new customer		/api/customers
Update a customer		/api/customers/id
Remove a customer		/api/customers/id

Answer:

Explanation:

Action	HTTP method	Relative URI
Retrieve a list of all customers	GET	/api/customers
Retrieve a customer by id	GET	/api/customers/id
Retrieve a customer by category	GET	/api/customer/?category=category
Create a new customer	POST	/api/customers
Update a customer	PUT	/api/customers/id
Remove a customer	DELETE	/api/customers/id

NEW QUESTION 97

DRAG DROP

You are developing an ASP.NET MVC Web API image management application. The application must meet the following requirements:

?It must send or receive image data without the use of a buffer.

?It must allow up to 4 MB of image data to be received.

?It must allow up to 3 MB of image data to be sent.

You need to complete the code to meet the requirements.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

config

server

MaxBufferSize

MaxReceivedMessageSize

MaxConcurrentRequests

Streamed

Buffered

Answer Area

```

class Program
{
    private static string _baseAddress = "http://localhost:8080/";

    static void Main(string[] args)
    {
        var config = new HttpSelfHostConfiguration(_baseAddress);
        config.Routes.MapHttpRoute(
            name: "DefaultApi",
            routeTemplate: "api/{controller}/{id}",
            defaults: new { id = RouteParameter.Optional }
        );

        [ ] . [ ] = 1024 * 1024 * 3;

        [ ] . [ ] = 1024 * 1024 * 4;

        [ ] .TransferMode =

        TransferMode. [ ] ;

        var server = new HttpSelfHostServer(config);
        server.OpenAsync().Wait();
    }

```

Answer:

Explanation:

```

class Program
{
    private static string _baseAddress = "http://localhost:8080/";

    static void Main(string[] args)
    {
        var config = new HttpSelfHostConfiguration(_baseAddress);
        config.Routes.MapHttpRoute(
            name: "DefaultApi",
            routeTemplate: "api/{controller}/{id}",
            defaults: new { id = RouteParameter.Optional }
        );

        [config] . [MaxBufferSize] = 1024 * 1024 * 3;

        [config] . [MaxReceivedMessageSize] = 1024 * 1024 * 4;

        [config] .TransferMode =

        TransferMode. [Streamed] ;

        var server = new HttpSelfHostServer(config);
        server.OpenAsync().Wait();
    }

```

NEW QUESTION 101

You are planning to migrate websites from IIS 6 to IIS 7.5. You do not have access to SSH or a VPN. You need to select a deployment tool to securely migrate the websites. Which tool should you use?

- A. RoboCopy
- B. Web Deploy
- C. Microsoft command-line FTP
- D. xCopy

Answer: B

NEW QUESTION 106

You are developing an ASP.NET MVC application.

Applications can be deployed to remote servers only by administrators who have elevated privileges. The administrators do not have access to Visual Studio 2012. You need to select a deployment tool to deploy the application to remote servers for testing. Which tool should you use?

- A. Copy Web Site Tool
- B. One-Click Publish
- C. Publish Web Site Tool
- D. Web Deployment Package

Answer: D

NEW QUESTION 109

You are preparing to develop a set of libraries for a company. The libraries must be shared across the company.

You need to create a remote NuGet feed that exposes the libraries.

What should you do? (Each answer presents part of the solution. Choose all that apply.)

- A. Install the NuGet.Feed Package.
- B. Install the NuGet.Server Package.
- C. Configure the Packages folder located in the system.webserver section of the web application's Web.config.
- D. Create a new Empty Web Site in Visual Studio 2012.
- E. Configure the Packages folder located in the appSettings section of the web application's Web.config.
- F. Add packages to the Packages folder.
- G. Create a new Empty Web Application in Visual Studio 2012.

Answer: BEFG

Explanation: Explanation/Reference:



NEW QUESTION 111

You develop an ASP.NET MVC application that is secured by using SSL. You are ready to deploy the application to production.

The deployment package must include the installation of the SSL certificate. You need to configure the deployment package to meet the requirement. What should you do?

- A. Create a web publish pipeline target file with a custom web deploy target.
- B. In the Package/Publish settings of the project, select the All Files in this project option.
- C. Extend the CopyAllFilesToSingleFolder target in the project file.
- D. In the Build Events settings of the project, configure a pre-build event to include the SSL certificate.

Answer: A

NEW QUESTION 115

You are developing a library to support multiple ASP.NET MVC web applications on a shared server. The library provides implementations of security algorithms. If a problem with any of the security algorithms is discovered, a new version of the library must be created and deployed. Application downtime during the update must be minimized. You need to ensure that the new version of the library will be used by all applications as soon as possible.

What should you do?

- A. Build the web applications and include the security assembly as an embedded resource
- B. When an update is needed, copy the new assembly to the bin directory for the application.
- C. Sign all assemblies in each application with the same key used to sign the security assembly. When an update is needed, create a new key pair and re-sign all assemblies.
- D. Build the security assembly as a netmodule in a shared location. Use the assembly linker to merge the netmodule into the assemblies for the application.
- E. When an update is needed, update the netmodule in the shared location.
- F. Install the security assembly in the Global Assembly Cache (GAC). When an update is needed, update the assembly in the GAC.

Answer: D

NEW QUESTION 117

DRAG DROP

You are developing a WCF Data Services service in Visual Studio 2012 to display movie information from a SQL Server database that changes every 24 hours.

The service is defined in the following class.

```
public class MovieService : DataService<MovieEntities>
{
    public static void InitializeService(DataServiceConfiguration config)
    {
        config.SetEntitySetAccessRule("Movies", EntitySetRights.AllRead);
        config.DataServiceBehavior.MaxProtocolVersion = DataServiceProtocolVersion.V2;
    }
}
```

The application contains the following Entity Framework model.



The service must only return data for movies that are currently in theaters.

You need to add a method to the MovieService class to filter the data.

How should you build the method? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Answer Area

ChangeInterceptor

QueryInterceptor

"Movies"

"MovieEntities"

Expression

Filter

```

public class MovieService : DataService<MovieEntities>
{
    public static void InitializeService(DataServiceConfiguration config)
    {
        config.SetEntitySetAccessRule("Movies", EntitySetRights.AllRead);
        config.DataServiceBehavior.MaxProtocolVersion =
            DataServiceProtocolVersion.V2;
    }

    [ ] ( [ ])
    public [ ] <Func<Movie, bool>> ApplyTheaterFilter()
    {
        return movie => movie.IsInTheaters == true;
    }
}
        
```

Answer:

Explanation:

```
public class MovieService : DataService<MovieEntities>
{
    public static void InitializeService(DataServiceConfiguration config)
    {
        config.SetEntitySetAccessRule("Movies", EntitySetRights.AllRead);
        config.DataServiceBehavior.MaxProtocolVersion =
            DataServiceProtocolVersion.V2;
    }

    [ QueryInterceptor ( "Movies" ) ]
    public Expression <Func<Movie, bool>> ApplyTheaterFilter()
    {
        return movie => movie.IsInTheaters == true;
    }
}
```

NEW QUESTION 122

You are developing an ASP.NET MVC application that reads and writes data from a SQL Server database. You need to prevent the application from reading data that is locked by other transactions. You also need to prevent exclusive range locks. Which isolation level should you use?

- A. ReadCommitted
- B. Serializable
- C. Repeatable
- D. ReadUncommitted

Answer: A

NEW QUESTION 127

DRAG DROP

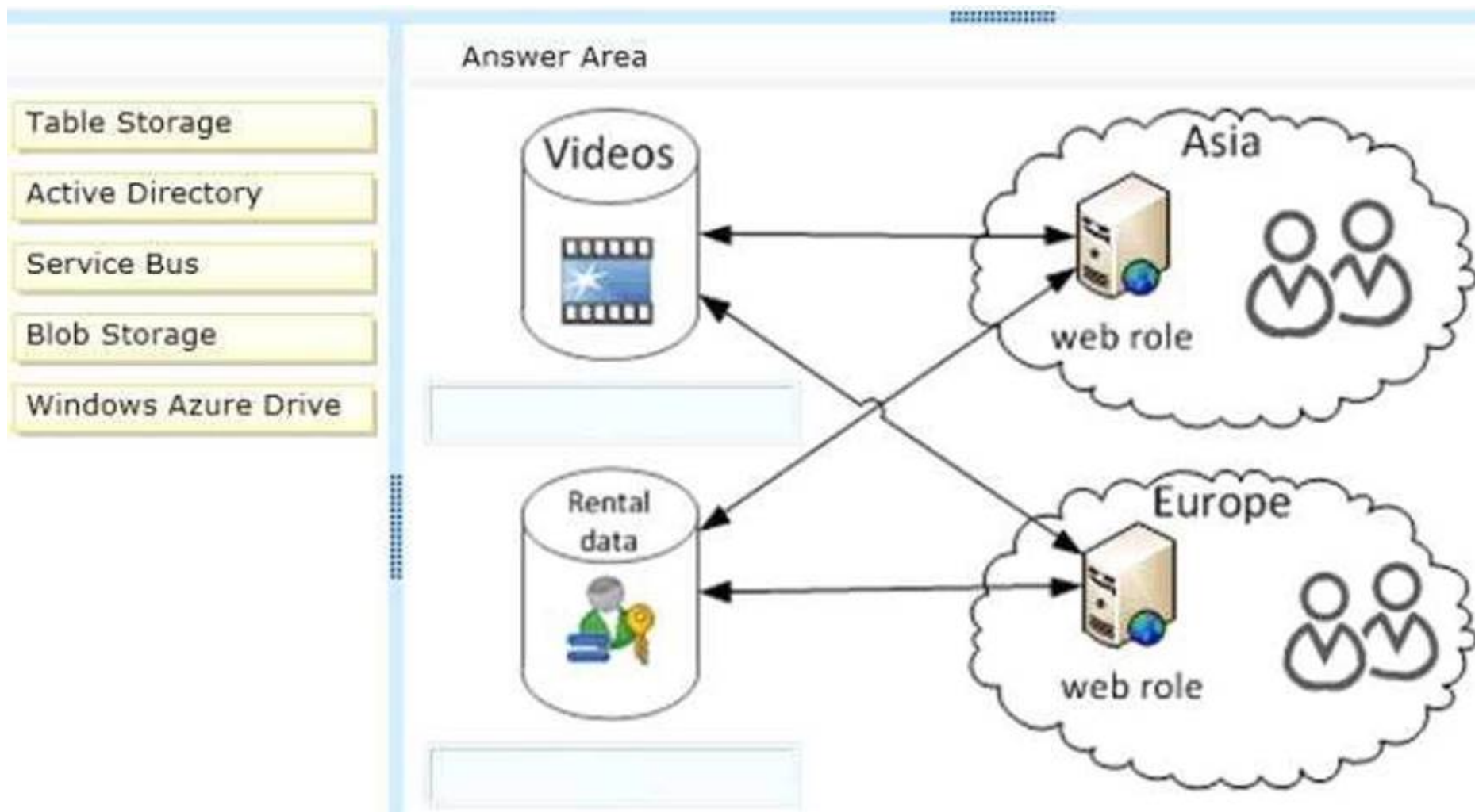
You are developing a Windows Azure based web application that provides users the ability to rent training videos. The application is deployed to hosted services in Asia and Europe.

The web application must meet the following requirements:

- ?Video files are large and must be able to be streamed.
- ?Streaming videos requires low latency network connections.
- ?Rental data contains structured information about the user and the video.
- ?Rental permissions are checked every five seconds during video playback.

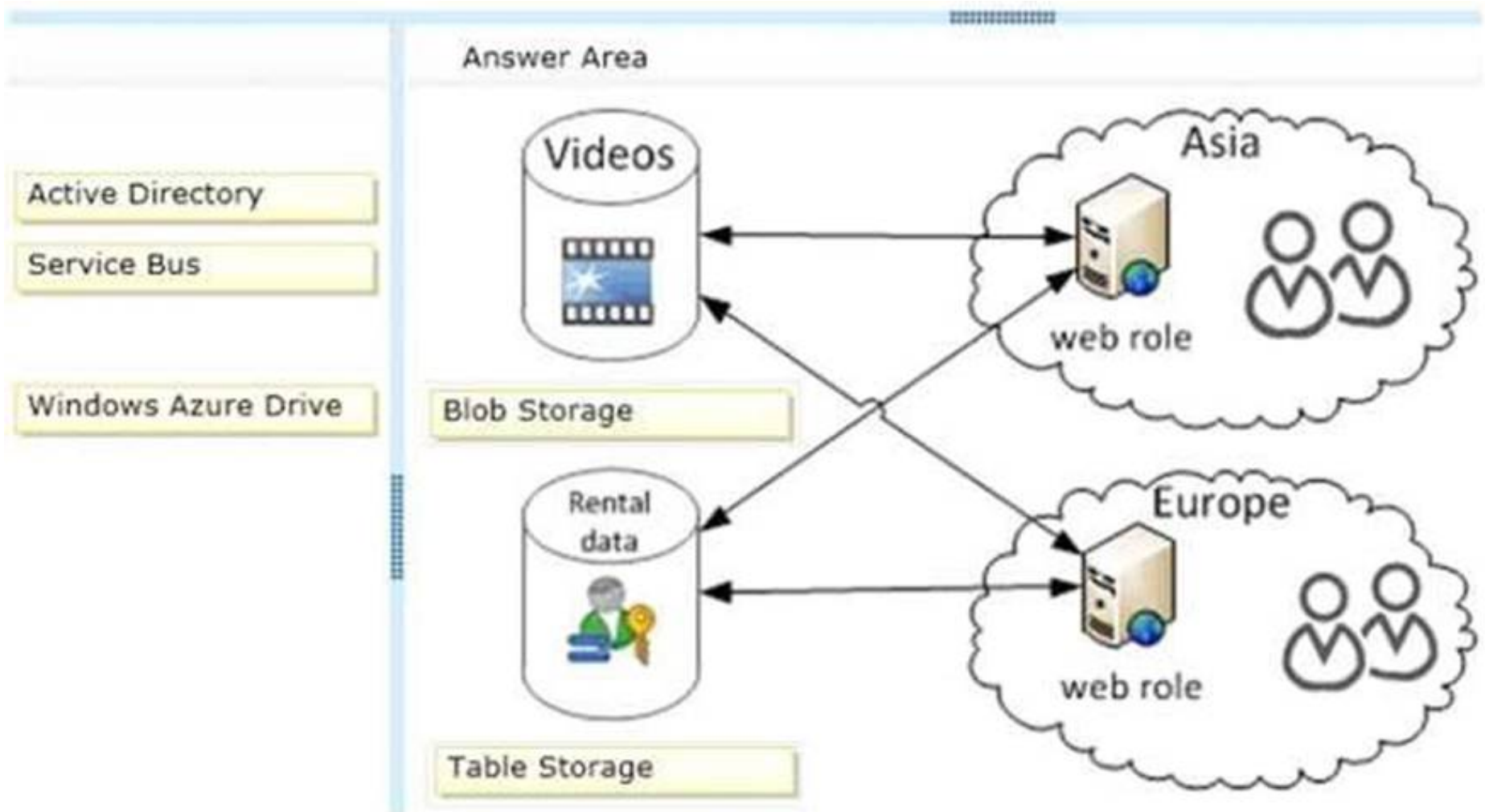
You need to recommend a storage architecture for the application.

What should you do? (To answer, drag the appropriate technologies to the correct location or locations in the answer area. Each technology may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)



Answer:

Explanation:



NEW QUESTION 131

You are developing a WCF service.

A new service instance must be created for each client session. You need to choose an instancing mode.

Which instance mode should you use?

- A. PerCall
- B. Single
- C. Multiple
- D. PerSession
- E. PerRequest

Answer: D

NEW QUESTION 133

DRAG DROP

You are developing a WCF service. The service will stream messages to clients on the internal network. You must use Windows Authentication, and all messages must be binary encoded. You need to configure the service. What should you do? (To answer, drag the appropriate elements to the correct location or locations in the answer area. Each element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

namedNetBinding

netTcpBinding

binHttpsBinding

httpBasicBinding

mode="Ignore"

mode="Transport"

mode="Direct"

Answer Area

```

<system.serviceModel>
  <bindings>
    < >
      <binding>
        <security > />
      </binding>
    </ >
  </bindings>
</system.serviceModel>

```

Answer:

Explanation:

```

<system.serviceModel>
  <bindings>
    < netTcpBinding >
      <binding>
        <security mode="Transport" />
      </binding>
    </ netTcpBinding >
  </bindings>
</system.serviceModel>

```

NEW QUESTION 138

DRAG DROP

You are developing a WCF service.

The WCF service requires implementations of the new data contracts to validate against the old schema.

You need to develop a new data contract without breaking current functionality.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

[DataContract(Validate = "Profile")]

[DataContract(Identifier = "Profile")]

[DataContract(Name = "Profile")]

[DataContract(TypeID = "Profile")]

[DataContract(ID = "Profile")]

Answer Area

```

public class ProfileV1
{
    [DataMember]
    public string Username;
}

public class ProfileV2
{
    [DataMember]
    public string Username;

    [DataMember]
    public string Email;
}

```

Answer:

Explanation:

[DataContract(Validate = "Profile")]

[DataContract(Identifier = "Profile")]

[DataContract(Name = "Profile")]

[DataContract(TypeID = "Profile")]

[DataContract(ID = "Profile")]

Answer Area

[DataContract(Name = "Profile")]

```

public class ProfileV1
{
    [DataMember]
    public string Username;
}

public class ProfileV2
{
    [DataMember]
    public string Username;

    [DataMember]
    public string Email;
}

```

[DataContract(Name = "Profile")]

NEW QUESTION 142

DRAG DROP

You are developing an ASP.NET MVC Web API application. The application must meet the following requirements:

?It must send or receive data without the use of a buffer.

?It must allow up to 1 MB of data to be received.

?It must allow up to 2 MB of data to be sent. You need to complete the code to meet the requirements.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

config

server

MaxBufferSize

MaxReceivedMessageSize

MaxConcurrentRequests

Streamed

Buffered

Answer Area

```

class Program
{
    private static string _baseAddress = "http://localhost:8080/";

    static void Main(string[] args)
    {
        var config = new HttpSelfHostConfiguration(_baseAddress);
        config.Routes.MapHttpRoute(
            name: "DefaultApi",
            routeTemplate: "api/{controller}/{id}",
            defaults: new { id = RouteParameter.Optional }
        );

        [ ] . [ ] = 1024 * 1024 * 2;

        [ ] . [ ] = 1024 * 1024;

        [ ] .TransferMode =

        TransferMode. [ ] ;

        var server = new HttpSelfHostServer(config);
        server.OpenAsync().Wait();
    }
}
                    
```

Answer:

Explanation:

```

class Program
{
    private static string _baseAddress = "http://localhost:8080/";

    static void Main(string[] args)
    {
        var config = new HttpSelfHostConfiguration(_baseAddress);
        config.Routes.MapHttpRoute(
            name: "DefaultApi",
            routeTemplate: "api/{controller}/{id}",
            defaults: new { id = RouteParameter.Optional }
        );

        [ ] . [ ] = 1024 * 1024 * 2;

        [ ] . [ ] = 1024 * 1024;

        [ ] .TransferMode =

        TransferMode. [ ] ;

        var server = new HttpSelfHostServer(config);
        server.OpenAsync().Wait();
    }
}
                    
```

NEW QUESTION 146

DRAG DROP

You are developing an ASP.NET Web API action method.

The action method must return the following JSON in the message body.

{"Name": "Fabrikam", "VendorId": 9823, "Items": ["Dogs", "Cats"]} > You need to return an anonymous object that is serialized to JSON.

What should you do? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Answer Area	
"Fabrikam", VendorNumber = 9823,	<pre>public object Get() { [Box 1] { Name = [Box 2] Items = [Box 3] } }; }</pre>
"Fabrikam", VendorNumber = "9823",	
new List<string> { "Dogs", "Cats" }	
new List<string> { "Dogs, Cats" }	
return new List<string>	
return new	

Answer:

Explanation: Box 1: return new List<string>

Box 2: "Fabrikam", VendorNumber=9823, Box 3: new list<string>{"Dogs", "Cats"}

NEW QUESTION 149

You are designing an ASP.NET Web API application.

You need to select an HTTP verb to allow blog administrators to remove a comment. Which HTTP verb should you use?

- A. PUT
- B. DELETE
- C. POST
- D. GET

Answer: B

NEW QUESTION 152

You are developing an ASP.NET MVC application. The application is an order processing system that uses the ADO.NET Entity Framework against a SQL Server database. It has a controller that loads a page that displays all orders along with customer information. Lazy loading has been disabled.

The Order class is shown below.

```
public partial class Order
{
    ...
    public string CustomerID { get; set; }
    ...
    public virtual Customer Customer { get; set; }
}
```

You need to return the orders and customer information in a single round trip to the database. Which code segment should you use?

- ☐ A.

```
public ActionResult Index()
{
    IQueryable<Order> orders = db.Orders;
    orders = orders.Include("Customer");
    return View(orders.ToList());
}
```
- ☐ B.

```
public ActionResult Index()
{
    IQueryable<Order> orders = db.Orders.Include("Order.Customer");
    return View(orders.ToList());
}
```
- ☐ C.

```
public ActionResult Index()
{
    IQueryable<Order> orders = db.Orders;
    orders.Select(o => o.Customer).Load();
    return View(orders.ToList());
}
```
- ☐ D.

```
public ActionResult Index()
{
    IQueryable<Order> orders = db.Orders;
    return View(orders.ToList());
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: A

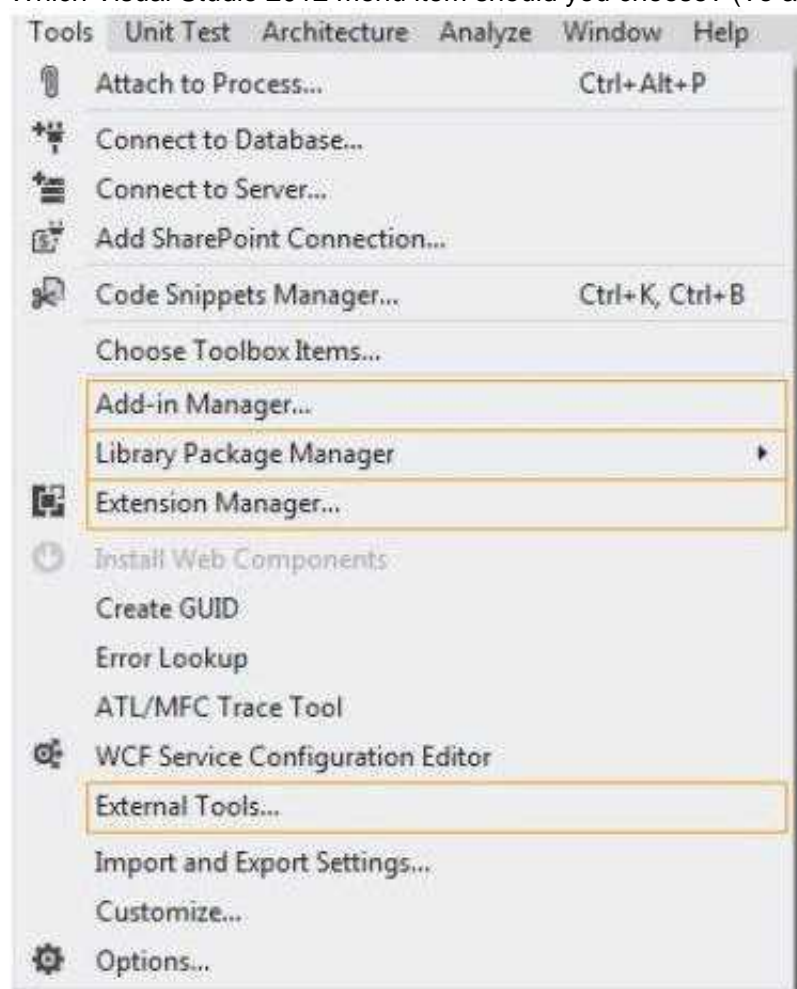
NEW QUESTION 157

HOTSPOT

You are supporting an application that uses the ADO.NET Entity Framework to query and access data.

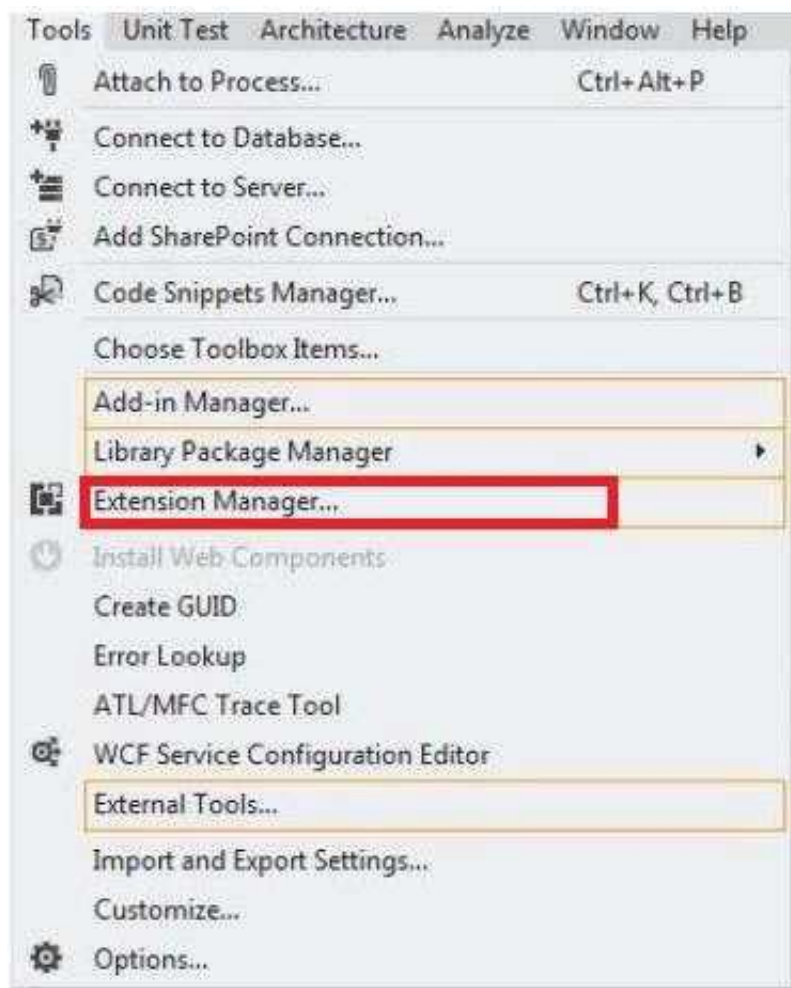
The latest version of Entity Framework contains bug fixes that will improve performance. You need to update Entity Framework.

Which Visual Studio 2012 menu item should you choose? (To answer, select the appropriate menu item in the answer area.)



Answer:

Explanation:



NEW QUESTION 159

You are developing an ASP.NET MVC application.

Deployment administrators do not have access to Visual Studio 2102, but will have the elevated permissions required to deploy the application to the servers.

You need to select a deployment tool for use by the deployment administrators. Which tool should you use?

- A. Publish Web Site Tool
- B. Web Deployment Package
- C. One-Click Publish
- D. Deployment Package Editor

Answer: B

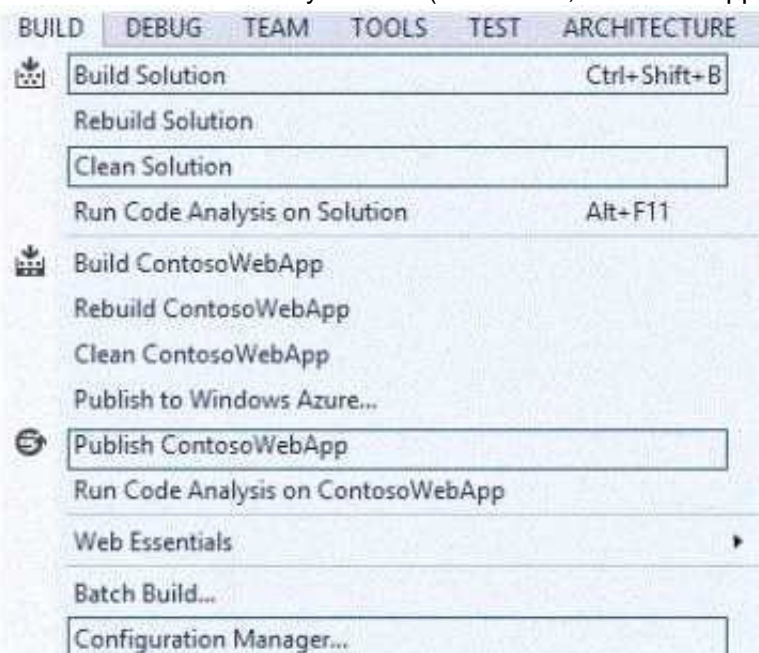
NEW QUESTION 163

HOTSPOT

You are developing an ASP.NET MVC application named ContosoWebApp. You are ready to deploy the application to your production web server.

You need to import the publishing profile.

Which menu item should you use? (To answer, select the appropriate menu item in the answer area).



Answer:

Explanation:



NEW QUESTION 164

HOTSPOT

You are developing an ASP.NET MVC application. It is ready for deployment to the production web server.

A local SQL Express .MDF file was used by the application during development. The deployment has the following requirements:

?The deployment must merge the assemblies on the local machine with those on the host.

?The deployment must publish the local database to the remote Microsoft SQL server.

You need to configure the web package settings for deployment.

Which settings should you use? (To answer, select the appropriate setting or settings in the answer area.)

Package/Publish enables you to deploy your Web application to Web servers.
[Learn more about Package/Publish Web](#)

Items to deploy (applies to all deployment methods)

☐ Only files needed to run this application
☐ All files in this project
☐ All files in this project folder

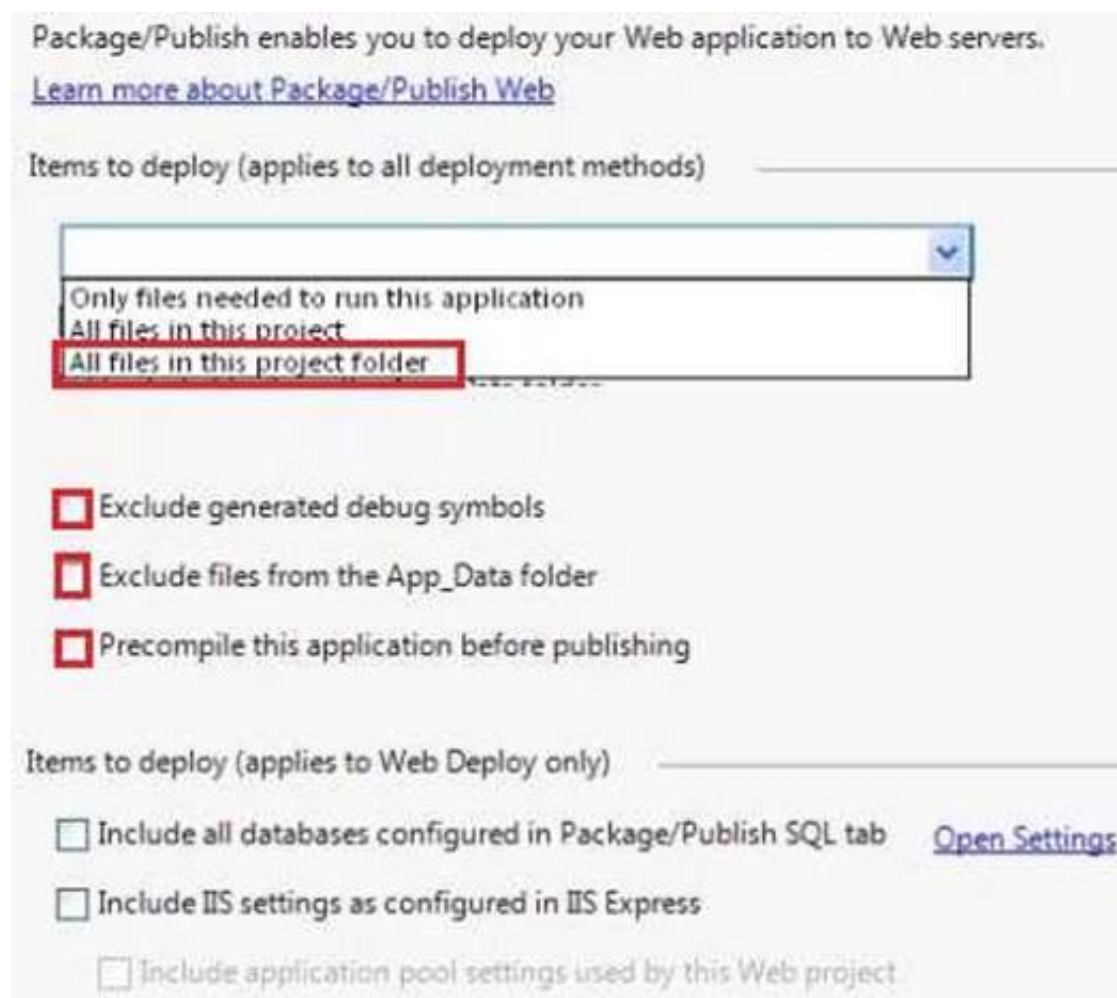
☐ Exclude generated debug symbols
☐ Exclude files from the App_Data folder
☐ Precompile this application before publishing

Items to deploy (applies to Web Deploy only)

☐ Include all databases configured in Package/Publish SQL tab [Open Settings](#)
☐ Include IIS settings as configured in IIS Express
☐ Include application pool settings used by this Web project

Answer:

Explanation:



NEW QUESTION 167

You are developing a Microsoft Azure web application. The application will be deployed to 10 web role instances. A minimum of 8 running instances is needed to meet scaling requirements.

You need to configure the application so that upgrades are performed as quickly as possible, but do not violate scaling requirements.

How many upgrade domains should you use?

- A. 1
- B. 2
- C. 5
- D. 10

Answer: B

Explanation: The .csdef is only used for Cloud Services, not for VMs. So regardless of what you set or even how you try to do it, Azure VM UD's come in groups of 5. With 8 VMs, that means you'll have 2 UD's.

NEW QUESTION 168

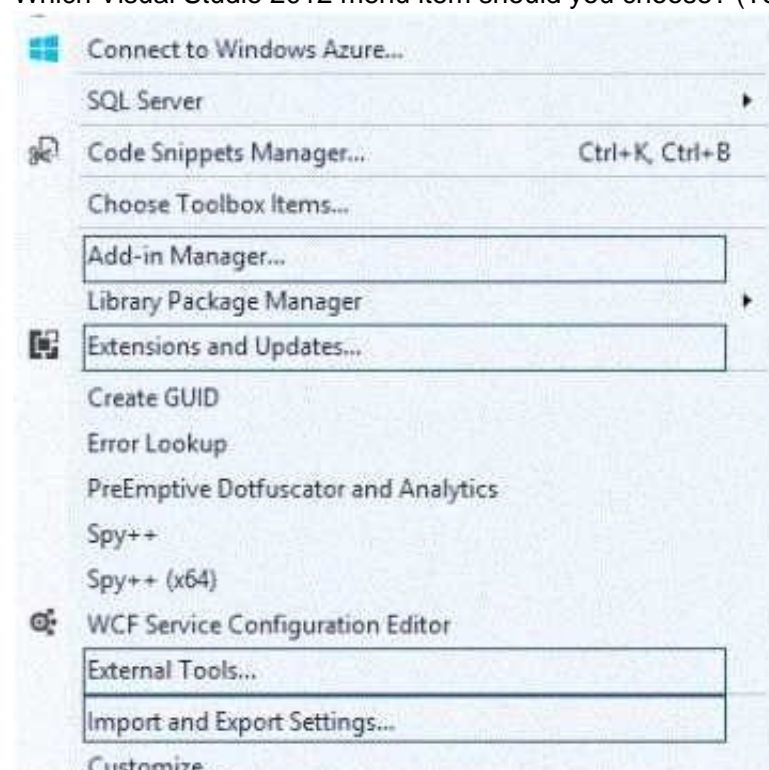
HOTSPOT

You are supporting an application that uses the ADO.NET Entity Framework to query and access data.

The latest version of a tool will add new templates and wizards that will enhance developer productivity.

You need to update the tool.

Which Visual Studio 2012 menu item should you choose? (To answer, select the appropriate menu item in the answer area.)



Answer:

Explanation:



NEW QUESTION 170

You are developing an ASP.NET MVC application that displays a report. The report includes large images that are stored in a database. Members of the EntityClient namespace are used to access the database through the ADO.NET Entity Framework data model. You need to prevent memory exceptions while generating a report using the EntityDataReader type. Which CommandBehavior type should you use?

- A. FastForwardReadOnly
- B. SequentialAccess
- C. SingleResult
- D. SingleRow

Answer: B

Explanation: SequentialAccess

Provides a way for the DataReader to handle rows that contain columns with large binary values. Rather than loading the entire row, SequentialAccess enables the DataReader to load data as a stream.

NEW QUESTION 174

DRAG DROP

You are developing a WCF service application.

The application must meet the following requirements:

?Operations must have 30 second timeouts.

?The service must have a transaction scope.

?Transactions must flow from the client to the server.

You need to write a transactional service contract and implementation class to meet the requirements.

You have the following code:

```

Target 1
interface ITransactionalService
{
    [OperationContract]
    Target 2
    Guid Foo (string x1, int x2);
}
Target 3
public class TransactionService: ITransactionalService
{
    Target 4
    public Guid Foo (string x1, int x2)
    {
        throw new NotImplementedException ();
    }
}
    
```

Which code segments should you include in Target 1, Target 2, Target 3 and Target 4 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments

[TransactionFlow(TransactionFlowOption.Allowed)]

[TransactionFlow(TransactionFlowOption.Mandatory)]

[OperationBehavior(TransactionScopeRequired = true)]

[OperationBehavior(TransactionScope.Required)]

[ServiceBehavior(TransactionTimeout = "00:00:30")]

[ServiceBehavior(TransactionTimeout = 30)]

[ServiceContract]

Answer Area

Target 1:

Code Segment

Target 2:

Code Segment

Target 3:

Code Segment

Target 4:

Code Segment

Answer:

Explanation:

Target 1:

[ServiceContract]

Target 2:

[TransactionFlow(TransactionFlowOption.Mandatory)]

Target 3:

[ServiceBehavior(TransactionTimeout = "00:00:30")]

Target 4:

[OperationBehavior(TransactionScopeRequired = true)]

NEW QUESTION 178

DRAG DROP

You are developing a WCF service.

You need to configure the web.config file to ensure that metadata is exposed only via the MEX protocol.

You have the following markup:

```
<services>
  <service behaviorConfiguration="behavior"
    name="CustomerService.Service">
    <endpoint binding="basicHttpBinding"
      contract="CustomerService.IService" />
    <endpoint address="mex" binding="Target 1"
      contract="Target 2" />
  </service>
</services>
<behaviors>
  <serviceBehaviors>
    <behavior name="behavior">
      <serviceMetadata
        Target 3="Target 4" />
    </behavior>
  </serviceBehaviors>
</behaviors>
```

Which XML elements should you include in Target 1, Target 2, Target 3 and Target 4 to complete the markup? (To answer, drag the appropriate XML elements to the correct targets in the answer area. Each XML element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

XML Elements	Answer Area
<code>httpGetBinding</code>	Target 1: <input type="text" value="XML Element"/>
<code>httpGetEnabled</code>	Target 2: <input type="text" value="XML Element"/>
<code>mexHttpBinding</code>	Target 3: <input type="text" value="XML Element"/>
<code>mexTcpBinding</code>	Target 4: <input type="text" value="XML Element"/>
<code>mexNamedPipeBinding</code>	
<code>true</code>	
<code>false</code>	
<code>CustomerService.IService</code>	
<code>IMetadataExchange</code>	

Answer:

Explanation:

Target 1:	<code>mexHttpBinding</code>
Target 2:	<code>IMetadataExchange</code>
Target 3:	<code>httpGetEnabled</code>
Target 4:	<code>false</code>

NEW QUESTION 182

DRAG DROP

You are developing an ASP.NET MVC Web API application.

The methods of the Web API must return details about the result of the operation. You need to create a method to add products.

You have the following code:

```
public Target 1 PostProduct (Target 2 item)
{
    item = repository.Add(item);
    var response = new Target 3 <Product>{
        item, Target 4 .Created;
    };
    string uri = Url.Route("DefaultApi", new { id = item.Id});
    response.Headers Target 5
    return response;
}
```

Which code segments should you include in Target 1, Target 2, Target 3, Target 4 and Target 5 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments	Answer Area
<code>HttpResponseMessage</code>	Target 1: <input type="text" value="Code Segment"/>
<code>HttpStatusCode</code>	Target 2: <input type="text" value="Code Segment"/>
<code>Product</code>	Target 3: <input type="text" value="Code Segment"/>
<code>.Location = new Uri(uri);</code>	Target 4: <input type="text" value="Code Segment"/>
<code>.Add(new Uri(uri));</code>	Target 5: <input type="text" value="Code Segment"/>

Answer:

Explanation:

Target 1:	<code>HttpResponseMessage</code>
Target 2:	<code>Product</code>
Target 3:	<code>HttpResponseMessage</code>
Target 4:	<code>HttpStatusCode</code>
Target 5:	<code>.Location = new Uri(uri);</code>

NEW QUESTION 186

You are developing a .NET application that uses the HttpClient type to call an ASP.NET Web API application. The API call returns a list of customers in JSON format and logs the results. The URI for the API call is in a variable named address. You need to make the API call without blocking. Which code segment should you use?

- ☐ A.

```
HttpClient client = new HttpClient();
client.GetAsync(address).ContinueWith(
    (task) =>
    {
        task.Result.Content.ReadAsAsync<JsonArray>().ContinueWith(
            (readTask) =>
            {
                foreach (var value in readTask.Result)
                {
                    Logger(value.ToString());
                }
            }
        );
    }
);
```
- ☐ B.

```
HttpClient client = new HttpClient();
var task = client.GetAsync(address).Result;

var readTask = task.Content.ReadAsAsync<JsonObject>().Result;

foreach (var value in readTask)
{
    Logger(value.ToString());
}
```
- ☐ C.

```
HttpClient client = new HttpClient();
var task = client.GetAsync(address).Result;

var readTask = task.Content.ReadAsAsync<JsonArray>().Result;

foreach (var value in readTask)
{
    Logger(value.ToString());
}
```
- ☐ D.

```
HttpClient client = new HttpClient();
client.GetAsync(address).ContinueWith(
    (task) =>
    {
        task.Result.Content.ReadAsAsync<JsonObject>().ContinueWith(
            (readTask) =>
            {
                foreach (var value in readTask.Result)
                {
                    Logger(value.ToString());
                }
            }
        );
    }
);
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: A

Explanation: Example:

// Create an HttpClient instance

11: HttpClient client = new HttpClient(); 12:

13: // Send a request asynchronously continue when complete 14: client.GetAsync(_address).ContinueWith(

15: (requestTask) =>

16: {

```
17: // Get HTTP response from completed task.  
18: HttpResponseMessage response = requestTask.Result; 19:  
20: // Check that response was successful or throw exception 21: response.EnsureSuccessStatusCode();  
22:  
23: // Read response asynchronously as JsonValue and write out top facts for each country  
24: response.Content.ReadAsAsync<JsonArray>().ContinueWith(  
25: (readTask) =>
```

NEW QUESTION 191

DRAG DROP

You are developing a .NET application that uses the HttpClient type to access an ASP.NET Web API application.

You need to add a header to specify that data is returned as JSON. You have the following code:

```
HttpClient client = new HttpClient () ;  
Client.DefaultRequestHeaders.  
    Add("Target 1", "Target 2");
```

Which code segments should you include in Target 1 and Target 2 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content)

Code Segments	Answer Area
<div>ContentType</div>	Target 1: <div>Code Segment</div>
<div>Accept</div>	Target 2: <div>Code Segment</div>
<div>AcceptEncoding</div>	
<div>application/xhtml+xml</div>	
<div>application/xml</div>	
<div>application/json</div>	

Answer:

Explanation:

Target 1:	Accept
Target 2:	application/json

NEW QUESTION 195

HOTSPOT

You are updating an existing multitenant ASP.NET MVC application for medical clinics. The application aggressively uses output caching to improve performance by caching content for 36 hours. The application uses a query string parameter named "clinicID" that contains the clinic that the user is currently viewing.

Users report that they are occasionally seeing data for the wrong clinic. Users also report that sensitive data is stored in the browser cache folder on their computers. You need to configure web.config to resolve the reported problems. You have the following markup:

```
<aching>
  <outputCacheSettings>
    <outputCacheProfiles>
      <clear />
      <add name="primaryCache"
        Target 1
        Target 2
        Target 3 >/
    </outputCacheProfiles>
  </outputCacheSettings>
</aching>
```

Which markup segments should you include in Target 1, Target 2 and Target 3 to complete the markup? (To answer, select the correct markup segment from each drop-down list in the answer area.)

Target 1:

▼

noStore="true"

noStore="false"

Target 2:

▼

varyByCustom="clinicID"

varyByParam="clinicID"

varyByControl="clinicID"

Target 3:

▼

duration="129600"

duration="36h"

Answer:

Explanation:

Target 1:

▼

noStore="true"

noStore="false"

Target 2:

▼

varyByCustom="clinicID"

varyByParam="clinicID"

varyByControl="clinicID"

Target 3:

▼

duration="129600"

duration="36h"

NEW QUESTION 196

DRAG DROP

You are configuring a web application for deployment.

You need to create a SetParameters.xml file to configure the IIS application pool. You have the following markup:


```
<?xml version="1.0" encoding="UTF-8"?>
<parameters>
  <setParameter
    Target 1
    Target 2
  </setParameter>
</parameters>
```

Which configuration values should you include in Target 1 and Target 2 to complete the markup? (To answer, drag the appropriate configuration values to the correct targets in the answer area. Each configuration value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Configuration Values

key="applicationPool"

name="applicationPool"

setting="applicationPool"

setting="MyServiceNameAppPool" />

param="MyServiceNameAppPool" />

value="MyServiceNameAppPool" />

Answer Area

Target 1:

Configuration Value

Target 2:

Configuration Value

Answer:

Explanation:

Target 1:

name="applicationPool"

Target 2:

value="MyServiceNameAppPool" />

NEW QUESTION 198

You are designing an ASP.NET Web API application.
You need to select an HTTP verb to allow blog administrators to modify the text of a comment.
Which HTTP verb should you use?

- A. GET
- B. DELETE
- C. POST
- D. PUT

Answer: D

NEW QUESTION 201

You are preparing to develop a set of libraries that uses large data sets.
The libraries must be shared across an organization and distributed to several servers. You need to create a remote NuGet feed that exposes the libraries for developer use. What should you do? (Each answer presents part of the solution. Choose all that apply.)

- A. Add packages to the Packages folder.
- B. Create a new Empty Web Application in Visual Studio.
- C. Configure the Packages folder located in the appSettings section of the web application's Web.config.
- D. Install the NuGet.DataFeed Package.
- E. Install the NuGet.Server Package.
- F. Create a new Empty Web Site in Visual Studio.

Answer: ABCE

Explanation: Creating Remote Feeds

You can host a remote (or internal) feed on a server that runs IIS. Step 1 (B): Create a new Empty Web Application in Visual Studio Step 2 (E): Install the NuGet.Server Package

Step 3 (C): Configure the Packages folder

Step 4 (A): Add Packages to the Packages folder

Step 5: Deploy and run your brand new Package Feed! Reference: Hosting Your Own NuGet Feeds

NEW QUESTION 204

DRAG DROP

You are supporting a WCF data contract that returns a price calculation that can be expanded to add new data members.

Clients using the old version of the data contract must be supported.

You need to define the data contract so that the data serializer can put unknown data members into a property bag.

You have the following code:

```
[DataContract]
public class PriceCalculationResponse : Target 1
{
    public Target 2 ExtensionData { get; set; }
    [DataMember]
    public int Flag { get; set; }
    [DataMember]
    public double Price { get; set; }
    [DataMember]
    public string Currency { get; set; }
}
```

Which code segments should you include in Target 1 and Target 2 to complete the data

contract? (To answer, drag the appropriate code elements to the correct targets in the answer area. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Elements	Answer Area
ExpansionDataObject	Target 1: Code Element
IExtensibleDataObject	Target 2: Code Element
IExpansionDataObject	
ExtensionDataObject	
ExtensionData	
IExtensionDataObject	

Answer:

Explanation:

Target 1:	IExtensibleDataObject
Target 2:	ExtensionDataObject

NEW QUESTION 205

DRAG DROP

You are developing a RESTful application by using ASP.NET MVC. The application is a pet management system and implements the following method in a controller for retrieving pet data.

a.

```
public Pet Get(int id)
{
    return new PetRepository().GetPetById(id);
}
```

The method must only accept JSON data using the standard MIME type.

You need to implement a controller that saves pet data and return a properly formatted HTTP/1.1 protocol response.

You have the following code:

```
public Target 1 Post ()
{
    if (Request.Content.Headers.ContentType.MediaType !=
        Target 2)
    {
        throw new HttpResponseException(JsonMessage);
    }
    Pet pet = new Pet ();
    var response = new Target 3 (pet,
        HttpStatusCode.Created);
    var relativePath = Target 4 ;
    response.Headers.Location = new Uri (Request.RequestUri,
        relativePath);
    return response;
}
```

Which code segments should you include in Target 1, Target 2, Target 3 and Target 4 to complete the code? {To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments	Answer Area
ActionResult	Target 1: Code Segment
HttpResponseMessage<Pet>	Target 2: Code Segment
HttpMessageContent	Target 3: Code Segment
"/api/get/pet/" + pet.Id	Target 4: Code Segment
"/pet/get/" + pet.Id	
"/api/pet/" + pet.Id	
"text/json"	
"json"	
"application/json"	

Answer:

Explanation:

Target 1:	HttpResponseMessage<Pet>
Target 2:	"application/json"
Target 3:	HttpResponseMessage<Pet>
Target 4:	"/api/pet/" + pet.Id

NEW QUESTION 207

DRAG DROP

You are developing an ASP.NET MVC Web API application.

The methods of the Web API must return details about the result of the operation. You need to create methods to update and delete products.

You have the following code:


```
public void PutProduct (int id, Product contact)
{
    contact.Id = id;
    if (!repository.Update(contact))
    {
        throw new Target 1 (
            new Target 2 (
                HttpStatusCode. Target 3 ));
    }
}
public HttpResponseMessage DeleteProduct (int id)
{
    repository.Remove (id);
    return new Target 4 (
        HttpStatusCode. Target 5 );
}
```

Which code segments should you include in Target 1, Target 2, Target 3, Target 4 and Target 5 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments	Answer Area
<div>HttpException</div> <div>HttpResponseMessage</div> <div>NotFound</div> <div>NoContent</div>	Target 1: <div>Code Segment</div>
	Target 2: <div>Code Segment</div>
	Target 3: <div>Code Segment</div>
	Target 4: <div>Code Segment</div>
	Target 5: <div>Code Segment</div>

Answer:

Explanation:

Target 1:	HttpException
Target 2:	HttpResponseMessage
Target 3:	NotFound
Target 4:	HttpResponseMessage
Target 5:	NoContent

NEW QUESTION 210

DRAG DROP

You are developing an Internet-based ASP.NET Web API application that manages pet data.

You install an SSL certificate on the web server to encrypt calls to the API. You create a class named PetAuthorization, which inherits from a type named AuthorizeAttribute, and implements the OnAuthorization() method.

You need to implement basic authentication for the API.

What should you do? (To answer, drag the appropriate words to the correct targets in the answer area. Words may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content)

Words

Forms

None

Windows

Authorize

PetAuthorization

SecurityPermission

WWW-Authenticate

Authorization

Proxy-Authenticate

Allow

Answer Area

Set the authentication mode in the web.config file to

Word

, then apply the

Word

 attribute to the controller. Finally, add code to the AuthorizeAttribute to return a

Word

 header in the case of a failed authentication.

Answer:

Explanation:

Set the authentication mode in the web.config file to

None

, then apply the

PetAuthorization

attribute to the controller. Finally, add code to the AuthorizeAttribute to return a

WWW-Authenticate

header in the case of a failed authentication.

NEW QUESTION 214

You are developing an ASP.NET MVC application. The application is an order processing system that uses the ADO.NET Entity Framework against a SQL Server database. It has a controller that loads a page that displays customers. Customers are filtered on Country and, if provided, on CompanyName.

You have an Entity Framework context named db. The Customer class is shown below.

```
public partial class Customer
{
    ...
    public string CustomerID { get; set; }
    public string CompanyName { get; set; }
    public string ContactName { get; set; }
    public string Country { get; set; }
    ...
}
```

You need to execute a single deferred query to return the filtered list of customers. Which code segment should you use?

- ☐ A.

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IQueryable<Customer> query = db.Customers.Where(c => c.Country == country);
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```
- ☐ B.

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IEnumerable<Customer> query = db.Customers.Where(c => c.Country == country);
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```
- ☐ C.

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IQueryable<Customer> query = db.Customers.Where(c => c.Country == country);
    query.Load();
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```
- ☐ D.

```
public ActionResult Index(string country, string CompanyName)
{
    IEnumerable<Customer> customers;
    IQueryable<Customer> query = db.Customers;
    query.Load();
    query = query.Where(c => c.Country == country);
    if (!string.IsNullOrEmpty(CompanyName))
    {
        customers = query.Where(c => c.CompanyName.ToLower().StartsWith(CompanyName.ToLower()));
    }
    return View(customers);
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

NEW QUESTION 217

DRAG DROP

You are developing a self-hosted WCF service to display data about books. The solution contains a service named BookService that implements the IBookService interface.

You need to expose the metadata in the service host programmatically. You have the following code:


```
static void Main(string[] args)
{
    Target 1 host = new Target 2 (
        typeof(BookService), new Uri(ServiceUrl));
    host.AddServiceEndpoint(
        typeof(IBookService), new WSHttpBinding(), "");
    Target 3 behavior =
        new Target 4 ();
    behavior.HttpGetEnabled = Target 5 ;
    host.Description.Behaviors.Add(behavior);
    host.Open();
    ...
    host.Close();
}
```

Which code segments should you include in Target 1, Target 2, Target 3, Target 4 and Target 5 to build the service host? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments	Answer Area
true	Target 1: Code Segment
false	Target 2: Code Segment
ServiceMetadataBehavior	Target 3: Code Segment
ClientViaBehavior	Target 4: Code Segment
ServiceHost	Target 5: Code Segment

Answer:

Explanation:

Target 1:	ServiceHost
Target 2:	ServiceHost
Target 3:	ServiceMetadataBehavior
Target 4:	ServiceMetadataBehavior
Target 5:	true

NEW QUESTION 221

You are developing an ASP.NET MVC application. The application is a loan processing system that uses the ADO.NET Entity Framework against a SQL Server database. It has a controller that loads a page that displays all loans along with rate information. Lazy loading has been disabled.

The Loan class is shown below.

```
public partial class Loan
{
    ...
    public string RateID { get; set; }
    ...
    public virtual Rate Rate { get; set; }
}
```

You need to return the loans and rate information in a single round trip to the database. Which code segment should you use?

- ☐ A.

```
public ActionResult Index()
{
    IQueryable<Loan> loans = db.Loans;
    return View(loans.ToList());
}
```
- ☐ B.

```
public ActionResult Index()
{
    IQueryable<Loan> loans = db.Loans;
    loans = loans.Include("Rate");
    return View(loans.ToList());
}
```
- ☐ C.

```
public ActionResult Index()
{
    IQueryable<Loan> loans = db.Loans.Include("Loan.Rate");
    return View(loans.ToList());
}
```
- ☐ D.

```
public ActionResult Index()
{
    IQueryable<Loan> loans = db.Loans;
    loans.Select(o => o.Rate).Load();
    return View(loans.ToList());
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 225

You are developing a WCF service. You need to create a duplex contract.
What should you do? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Apply the MessageContractAttribute attribute to every public method signature included in the appropriate contract.
B. Create an interface for the client-side duplex contract.
C. Create an interface for the server-side duplex contract.
D. Apply the MessageContractAttribute attribute to the appropriate interface.
E. Apply the ServiceContractAttribute attribute to the appropriate interface.
F. Then, apply the OperationContractAttribute attribute to every public method signature included in that contract.
G. Set the CallbackContract property to the appropriate interface.

Answer: CEF

Explanation: To create a duplex contract

- ?(C) Create the interface that makes up the server side of the duplex contract.
- ?(E) Apply the ServiceContractAttribute class to the interface.
- ?Declare the method signatures in the interface.
- ?(E) Apply the OperationContractAttribute class to each method signature that must be part of the public contract.
- ?Create the callback interface that defines the set of operations that the service can invoke on the client.
- ?Declare the method signatures in the callback interface.
- ?Apply the OperationContractAttribute class to each method signature that must be part of the public contract.
- ? (F) Link the two interfaces into a duplex contract by setting the CallbackContract property in the primary interface to the type of the callback interface.

Reference: How to: Create a Duplex Contract

NEW QUESTION 226

DRAG DROP

You are developing a web application by using Microsoft ASP.NET MVC. The application manages company employees and managers.
Each employee is assigned to a manager.

You need to write a LINQ query to retrieve the list of managers and their respective employees.

How should you complete the code? To answer, drag the appropriate keywords to the correct targets. Each keyword may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Methods	Answer area
equals	var query = from manager in managers
from	<input type="text"/> employee in employees <input type="text"/> manager <input type="text"/> employee.manager
in	
join	<input type="text"/> new { ManagerName = manager.FirstName, EmployeeName = employee.Name};
select	

Answer:

Explanation: References: <https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/concepts/linq/basic-linq-query-operations>

NEW QUESTION 231

HOTSPOT

You have a Windows Communication Foundation (WCF) service named Service1.

You deploy the WCF service at the root level of a website in Azure. The address of the Azure website is <http://service1.azurewebsites.net/>.

You need to generate a .cs file that can be used to interact with Service1.

What command should you run? To answer, select the appropriate options in the answer area.

Answer Area

regasm.exe sn.exe svcutil.exe	http://service1.azurewebsites.net/ svc://service1.azurewebsites.net/ tcp://service1.azurewebsites.net/	service1.asmx service1.svc service1.wsdl
-------------------------------------	---	--

Answer:

Explanation: References: <https://stackoverflow.com/questions/23997821/how-to-generate-wcf-service-with-svcutil-exe>

NEW QUESTION 235

You are developing a web application by using Microsoft .NET Framework 4.5.

You are creating a web client for the application. The web client will make REST calls to several web services.

You need to ensure that the web client meets the following requirements:

?Uses the Task class to perform asynchronous operations

?Reuses recently resolved DNS lookups

Which object should you include in the solution?

- A. ServiceClient
- B. WebClient
- C. HttpClient
- D. WebRequest

Answer: C

Explanation: References: <https://www.c-sharpcorner.com/article/calling-web-api-using-httpclient/>

NEW QUESTION 238

DRAG DROP

You are developing a .NET application that uses the HttpClient type to access an ASP.NET Web API application.

You need to add a header to ensure that data is returned as XML. You have the following code:

```
HttpClient client = new HttpClient ();
Client.DefaultRequestHeaders.
    Add("Target 1", "Target 2");
```

Which segments should you include in Target 1 and Target 2 to complete the code? (To answer, drag the appropriate code segments to the correct targets in the answer area. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments

ContentType

Accept

AcceptEncoding

application/xhtml+xml

application/xml

application/soap+xml

Answer Area

Target 1: Code Segment

Target 2: Code Segment

Answer:

Explanation: References: <http://codecaster.nl/blog/2015/11/webclient-httpwebrequest-httpclient-perform-web-requests-net/#headers>

NEW QUESTION 239

DRAG DROP

You have two methods named F1 and F2. F2 takes a sting as a parameter.

You need to create a method named F3. F3 must retrieve a string value asynchronously. The string must call F2. During the asynchronous load of the string, F1 must run.

Which five code blocks should you use? Develop the solution by selecting and arranging the required code blocks in the correct order.

NOTE: You will not need all of the code blocks.

Code Blocks

F1();

async Task<string> F3<>
{

HttpClient client = new HttpClient();
string urlContents = await
client.GetStringAsync
("http://msdn.microsoft.com");

string urlContents = await myTaskString;

return F2(urlContents);
}

HttpClient client = new HttpClient();
Task<string> myTaskString =
client.GetStringAsync
("http://msdn.microsoft.com");

Answer Area



Answer:

Explanation: References: <https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/concepts/async/>

NEW QUESTION 242

DRAG DROP

You are designing a service layer endpoint named EndPoint1 that will read more than one million rows from a database named DB1, and then update several rows in multiple tables in a database named DB2.

You need to identify a data access strategy that meets the following requirements:

?Uses the OData protocol to retrieve data from EndPoint1

?Creates a strongly typed object based on the table in BD2

?Retrieves data from DB1 as quickly as possible, while minimizing memory use on the application server

What should you identify for each requirement? To answer, drag the appropriate data access strategies to the correct requirements. Each data access strategy may be used once, more

than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

ADO.NET Entity Framework

ADO.NET SqlDataAdapter

ADO.NET SqlDataReader

NetTcpBinding binding

WCF Data Services

Uses the OData protocol to retrieve data from EndPoint1:

Creates a strongly typed object based on the table in DB2:

Retrieves data from DB1 as quickly as possible, while minimizing memory use on the application server:

Data access strategy

Data access strategy

Data access strategy

Answer:

Explanation: References:

<https://docs.microsoft.com/en-us/dotnet/framework/data/wcf/wcf-data-services-overview> <https://docs.microsoft.com/en-us/dotnet/framework/data/adonet/populating-a-dataset-from-a-dataadapter>

<https://docs.microsoft.com/en-us/dotnet/framework/data/adonet/retrieving-data-using-a-datareader>

NEW QUESTION 245

DRAG DROP

You are developing a web application that uses an assembly named MyAssembly.

You need to ensure that when MyAssembly version 1.0.0.0 is requested, version 2.0.0.0 is used.

How should you complete the markup in the Web.config file? To answer, drag the appropriate elements to the correct locations. Each element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

assemblyBinding

bindingRedirect

name

oldVersion

handlers

newVersion

type

<configuration>

<runtime>

< Element <xmlns="urn:schemas-microsoft-com:asm.v1">

<dependentAssembly>

<assemblyIdentity name= "myAssembly"

publicKeyToken= "32ab4ba45e0a69a1"

culture= "neutral" />

< Element Element = "1.0.0.0"

Element = "2.0.0.0"/>

</dependentAssembly>

</ Element >

</runtime>

</configuration>

Answer:

Explanation: Box 1: assemblyBinding

Box 2: bindingRedirect

To redirect one assembly version to another, use the <bindingRedirect> element. Box 3: OldVersion

Box 4: NewVersion

The newVersion attribute should specify a single version. For example, <bindingRedirect oldVersion="1.1.0.0-1.2.0.0" newVersion="2.0.0.0"/> specifies that the runtime should use version 2.0.0.0 instead of the assembly versions between 1.1.0.0 and 1.2.0.0.

Box 5: assemblyBinding

The following code example demonstrates a variety of binding redirect scenarios. The example specifies a redirect for a range of versions for myAssembly, and a single binding redirect for mySecondAssembly.

```
<configuration>
<runtime>
<assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
<dependentAssembly>
<assemblyIdentity name="mySecondAssembly" publicKeyToken="32ab4ba45e0a69a1" culture="en-us" />
<bindingRedirect oldVersion="1.0.0.0" newVersion="2.0.0.0" />
</dependentAssembly>
</assemblyBinding>
</runtime>
</configuration>
```

References: <https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/redirect-assembly-versions>

NEW QUESTION 248

You have a web server that hosts several web applications.

From Microsoft Visual Studio, you create an assembly that is signed.

You need to make the assembly available to all of the web applications on the web server. The solution must minimize the number of copies of the assembly.

Which tool should you run?

- A. gacutil.exe
- B. sn.exe
- C. tlblmp.exe
- D. regasm.exe

Answer: B

Explanation: Strong Name Scenario

The following scenario outlines the process of signing an assembly with a strong name and later referencing it by that name.

Assembly A is created with a strong name using one of the following methods:

References: <https://docs.microsoft.com/en-us/dotnet/framework/app-domains/create-and-use-strong-named-assemblies>

NEW QUESTION 249

DRAG DROP

You are developing the following applications. All applications will be hosted in Azure and data will be stored using Azure storage.

Application	Description and requirements
Logging	Store log files from various systems. Logs must not be deleted or changed and must be stored for a defined period of time
VM Manager	Store various virtual machine images in VHD format. The images support virtual machines with various operating systems.
Accounting	Store large Microsoft Excel workbooks.

All data must be stored using the binary large object (blob) hot storage tier. You need to select the blob storage type for each application.

Which blob storage types should you use? To answer, drag the appropriate blob types to the correct applications. Each blob type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Storage types

block blob append blob page blob

Answer Area

Application	Blob Type
Logging	Storage type
VM Manager	Storage type
Accounting	Storage type

Answer:

Explanation: Box 1 Logging: append blob

An append blob is comprised of blocks and is optimized for append operations. When you modify an append blob, blocks are added to the end of the blob only, via the Append Block operation.

Box 2 VM Manager: block blob

Block blobs let you upload large blobs efficiently. Box 3: Accounting: page blob

Page blobs are a collection of 512-byte pages optimized for random read and write operations.

References: <https://docs.microsoft.com/en-us/rest/api/storageservices/understanding-block-blobs--append-blobs--and-page-blobs>

NEW QUESTION 251

HOTSPOT

You are creating an application that retrieves Microsoft SQL Server data from two tables named Product and ProductModel.

You need to store in two separate lists all the names of the products and the product models for later use by the application.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
List<string>productNames = new List<string>();
List<string> productModelNames = new List<string> ();

using (SqlConnection connection = new SqlConnection
(connectionString))
{
    connection.Open();
    string sql =
        "SELECT" FROM Product; SELECT" FROM ProductModel";
        "SELECT" FROM PRODUCT UNION SELECT" FROM ProductModel";
        "SELECT" FROM Product UNION ALL SELECT" FROM ProductModel";

    SqlCommand command = new SqlCommand(sql, connection);
    using (SqlDataReader reader = command.ExecuteReader())
    {
        while
        {
            productNames.Add(reader [1].ToString());
        }

        while
        {
            productModelNames.Add(reader[1].ToString());
        }
    }
}
```

Answer:

Explanation: Box 1:

Two Select statements to get two results. Box 2: (Reader.Read());

The SqlDataReader.Read Method advances the SqlDataReader to the next record. The default position of the SqlDataReader is before the first record. Therefore,

you must call Read to begin accessing any data.

Return Value

Type: System.Boolean

true if there are more rows; otherwise false. Box 3: Reader.NextResult();

The SqlDataReader.NextResult method advances the data reader to the next result, when reading the results of batch Transact-SQL statements. Used to process multiple results, which can be generated by executing batch Transact-SQL statements.

By default, the data reader is positioned on the first result. Box 4: (Reader.Read());

References: [https://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqldatareader.nextresult\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.data.sqlclient.sqldatareader.nextresult(v=vs.110).aspx)

NEW QUESTION 256

DRAG DROP

You manage an ASP.NET Core E-Commerce application that is deployed to Azure App Service.

You plan to use Application Insights for collecting telemetry dat a.

You must prepare a report that describes utilization patterns of uses. The report must include the following information:

- ?the Country or Region from which users access the application
- ?how often and for how long users browse the catalog
- ?how many Canadian customers visited the offers page
- ?how much time Premium customers spend on the support page
- ?the percentage of users that added items to a shopping cart and completed purchases

You need to collect the required data.

Which tool should you use? To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or mot at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Tools

Session

Cohorts

Funnels

Retention

Trends

Users

Answer Area

Report section

Application insights tool

Geography

Tool

Feature usage

Tool

Canada offers

Tool

Premium support

Tool

Buyer behavior

Tool

Answer:

Explanation: Box 1 Geography: Users

"the Country or Region from which users access the application"

The Users panel allows you to understand important details about your users in a variety of ways. You can use this panel to understand such information as where your users are connecting from, details of their client, and what areas of your application they're accessing.

Box 2: Feature usage: Session

" how often and for how long users browse the catalog"

The Sessions panel is similar to the Users panel. Where Users helps you understand details about the users accessing your application, Sessions helps you understand how those users used your application.

Box 3 Canada Offers: Cohorts

" how many Canadian customers visited the offers page"

A Cohort is a set of users grouped on similar characteristics. You can use cohorts to filter data in other panels allowing you to analyze particular groups of users. For example, you might want to analyze only users who completed a purchase, or users from Canada.

Box 4 Premium support: Cohorts

"how much time Premium customers spend on the support page"

A Cohort is a set of users grouped on similar characteristics. You can use cohorts to filter data in other panels allowing you to analyze particular groups of users. For example, you might want to analyze only users who completed a purchase, or users from Canada.

Box 5: Buyer behavior: Funnels

"the percentage of users that added items to a shopping cart and completed purchases" Funnels focus on what you want users to do. A funnel represents a set of steps in your application and the percentage of users who move between steps. For example, you could create a funnel that measures the percentage of users who connect to your application who search product. You can then see the percentage of users who add that product to a shopping cart, and then the percentage of those who complete a purchase.

NEW QUESTION 261

DRAG DROP

You are developing an ASP.NET Core MVC web application. The application will use Entity Framework Core and a SQLite database. You rename a property in the Customer data model. You attempt to apply the migration to the SQLite database and receive a NotSupportedException error that includes a table named Customer. You need to resolve the migration error. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Create an index on the existing Customer table.	
Drop the index on the new Customer table.	
Drop the existing Customer table.	
Copy data from the existing Customer table to a new Customer table.	
Create a new Customer table.	
Rename the existing Customer table.	

⬅
➡
⬆
⬇

Answer:

Explanation: The SQLite provider has a number of migrations limitations. You can workaround some of these limitations by manually writing code in your migrations to perform a table rebuild. A table rebuild involves renaming the existing table, creating a new table, copying data to the new table, and dropping the old table.

References: <https://docs.microsoft.com/en-us/ef/core/providers/sqlite/limitations>

NEW QUESTION 266

DRAG DROP

You are developing a web application that uses the Entity Framework. You plan to use the table-per-type mapping strategy to store the following data.

```
public class Product
{
    public int ProductId {get; set;}
    public string Name {get; set;}
    public decimal UnitPrice {get; set;}
}
public class DiscontinuedProduct : Product
{
    public DateTime DiscontinuedDate {get; set;}
}
```

You need to implement a mapping strategy that will store the data. How should you complete the code? To answer, drag the appropriate methods to the correct locations. Each method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Methods

Entity

OnModelCreating

MapHierarchy

ToList

OnInit

ToTable

Answer Area

```

protected override void Method (DbModelBuilder modelBuilder)
{
    modelBuilder. Method <Product>()
        . Method ("dbo.Products");
    modelBuilder. Method <DiscontinuedProduct>()
        . Method ("dbo.DiscontinuedProducts");
}
                    
```

Answer:

Explanation: Box 1: OnModelCreating

Box 2: Entity

Box 3: ToTable

Mapping an Entity Type to a Specific Table in the Database Example:

All properties of Department will be mapped to columns in a table called t_ Department. modelBuilder.Entity<Department>()

ToTable("t_Department"); Box 4: Entity

Box 5: ToTable

Mapping the Table-Per-Type (TPT) Inheritance

In the TPT mapping scenario, all types are mapped to individual tables. Properties that belong solely to a base type or derived type are stored in a table that maps to that type. Tables that map to derived types also store a foreign key that joins the derived table with the base table.

modelBuilder.Entity<Course>().ToTable("Course"); modelBuilder.Entity<OnsiteCourse>().ToTable("OnsiteCourse");

References: [https://msdn.microsoft.com/en-us/library/jj591617\(v=vs.113\).aspx](https://msdn.microsoft.com/en-us/library/jj591617(v=vs.113).aspx)

NEW QUESTION 267

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a RESTful API that uses ASP.NET Core. You plan to host the API in Azure App Services. You provision a development environment in the application service.

Developers must be able to deploy the API to the development environment. You must not share the Azure account credentials with developers.

You need to ensure that developers can deploy the API to the development environment.

Solution: Download the Publish profile for the application service and share it with the developers. Use Microsoft Visual Studio Publishing.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation: To configure deployment for a web project in Visual Studio, you create one or more publish

profiles using the Publish Web wizard. A publish profile specifies the server you are deploying to, the credentials needed to log on to the server, the databases to deploy, and other deployment options. When you are ready to publish, you choose the profile you want to use and click the Publish button in the wizard or in the Web One Click Publish toolbar.

References: [https://msdn.microsoft.com/en-us/library/dd465337\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/dd465337(v=vs.110).aspx)

NEW QUESTION 270

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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Developers must be able to deploy the API to the development environment. You must not share the Azure account credentials with developers.

You need to ensure that developers can deploy the API to the development environment.

Solution: Share the Publish profile for the application service with the developers. Use Web Matrix 2 for publishing.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation: You should use a Publishing Profile with Microsoft Visual Studio Publishing as WebMatrix enables developers to build websites, while Visual Studio Publishing is used to develop computer programs for Microsoft Windows, as well as web sites, web applications and web services.

References: [https://msdn.microsoft.com/en-us/library/dd465337\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/dd465337(v=vs.110).aspx)

NEW QUESTION 271

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You are developing a RESTful API that uses ASP.NET Core. You plan to host the API in Azure App Services. You provision a development environment in the application service.
Developers must be able to deploy the API to the development environment. You must not share the Azure account credentials with developers.
You need to ensure that developers can deploy the API to the development environment.
Solution: Add the developers to the same Azure Active Directory (Azure AD) as the Azure subscription in which the App Service is provisioned. Use XCopy to deploy to the App Service.
Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation: You should use a Publishing Profile with Microsoft Visual Studio Publishing.
References: [https://msdn.microsoft.com/en-us/library/dd465337\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/dd465337(v=vs.110).aspx)

NEW QUESTION 272

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a web application in a Docker container image. You set the tag for the image as myApp. You plan to deploy the application to Azure Container Services. You run the following commands. All commands complete successfully.

```
az acr create --resource-group myResourceGroup --name myRegistry --sku Basic
az acr login --name myRegistry
```

You need to ensure that the image can be run on an Azure Container Service cluster.

Solution: You run the following commands:

```
docker tag myapp myregistry.azurecr.io/samples/myapp
docker pull myregistry.azurecr.io/samples/myapp
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation: You need to push the image into your private registry, not pull it.
References: <https://medium.com/@pjbfg/azure-kubernetes-service-aks-pulling-private-container-images-from-azure-container-registry-acr-9c3e0a0a13f2>

NEW QUESTION 276

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a web application in a Docker container image. You set the tag for the image as myApp. You plan to deploy the application to Azure Container Services. You run the following commands. All commands complete successfully.

```
az acr create --resource-group myResourceGroup --name myRegistry --sku Basic
az acr login --name myRegistry
```

You need to ensure that the image can be run on an Azure Container Service cluster.

Solution: You run the following commands:

```
docker run -d -p 5000:80 myregistry.azurecr.io/samples/myapp
docker push myregistry.azurecr.io/samples/myapp
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation: First tag the image, and then push it into your private registry.
References: <https://medium.com/@pjbfg/azure-kubernetes-service-aks-pulling-private-container-images-from-azure-container-registry-acr-9c3e0a0a13f2>

NEW QUESTION 280

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have developed a .NET Standard Library. You need to produce a NuGet package. Solution: Run the dotnet pack command Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation: Package the component with the NuGet pack command.

References: <https://docs.microsoft.com/en-us/nuget/guides/create-net-standard-packages-vs2015>

NEW QUESTION 281

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have developed a .NET Standard Library. You need to produce a NuGet package.

Solution: Run the msbuild command with the publish target specified. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation: Package the component with the NuGet pack command.

References: <https://docs.microsoft.com/en-us/nuget/guides/create-net-standard-packages-vs2015>

NEW QUESTION 284

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have developed a .NET Standard Library. You need to produce a NuGet package. Solution: Run the NuGet pack command Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation: Package the component with the NuGet pack command, for example: nuget pack AppLogger.nuspec

This generates AppLogger.YOUR_NAME.1.0.0.nupkg.

References: <https://docs.microsoft.com/en-us/nuget/guides/create-net-standard-packages-vs2015>

NEW QUESTION 288

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You develop a REST API that uses Node.js. The API will store data in Azure Cosmos DB. You plan to deploy the API to a new Azure App Services Web App. You create a new Web App by using the Azure portal.

The API must be deployed by using SFTP.

You need to provide the proper deployment credentials to deploy the API. Solution: Use your assigned Azure Active Directory (Azure AD) credentials. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation: Get FTP publishing profile and query for publish URL and credentials.

References: <https://docs.microsoft.com/en-us/azure/app-service/scripts/app-service-cli-deploy-ftp>

NEW QUESTION 289

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You deploy an ASP.NET Core web application to Azure App Services. You are using Azure Event Hubs to collect the telemetry data for the application.

You need to configure Event Hubs to automatically deliver the telemetry data stream to a persistent data store.

Solution: Configure Event Hubs Capture to deliver data to Azure Blob storage. Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation: Azure Event Hubs Capture enables you to automatically deliver the streaming data in Event Hubs to an Azure Blob storage or Azure Data Lake Store account of your choice, with the added flexibility of specifying a time or size interval.

References: <https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-capture-overview>

NEW QUESTION 291

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You deploy an ASP.NET Core web application to Azure App Services. You are using Azure Event Hubs to collect the telemetry data for the application.

You need to configure Event Hubs to automatically deliver the telemetry data stream to a persistent data store.

Solution: Configure Azure Event Hubs Capture to deliver data to Azure SQL Database. Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation: Use Azure Blob storage to store the telemetry data.

References: <https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-capture-overview>

NEW QUESTION 296

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You deploy an ASP.NET Core web application to Azure App Services. You are using Azure Event Hubs to collect the telemetry data for the application.

You need to configure Event Hubs to automatically deliver the telemetry data stream to a persistent data store.

Solution: Configure Azure Event Hubs Capture to deliver data to Azure File Service. Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation: Use Azure Blob storage to store the telemetry data.

References: <https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-capture-overview>

NEW QUESTION 301

You have a web application that was developed by using Microsoft ASP.NET MVC. The application is deployed to an Azure web app and uses an Azure SQL Database.

From a development environment, you use Microsoft Visual Studio to change the application code, and you modify the schema of the database.

You need to deploy the changes to Azure. Which publishing method should you use?

A. BACPAC

B. FTP

C. Msdeploy

D. Robocopy

Answer: A

Explanation: You can deploy a .bacpac file to an Azure SQL Database using an Azure Resource Manager Template. .bacpac contains the schema and data necessary to deploy your database.

Note: A BACPAC file is a ZIP file with an extension of BACPAC containing the metadata and data from a SQL Server database. A BACPAC file can be stored in Azure blob storage or in local storage in an on-premises location and later imported back into Azure SQL Database or into a SQL Server on-premises installation.

References: <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-export>

NEW QUESTION 303

HOTSPOT

You are updating an existing multitenant ASP.NET MVC application for medical clinics. The application aggressively uses output caching to improve performance by caching content for 36 hours. The application uses a query string parameter named "clinicID" that contains the clinic that the user is currently viewing.

Users report that they are occasionally seeing data for the wrong clinic. Users also report that the application seems to take a long time to return data for a specific clinic even if they have viewed it recently.

You need to configure web.config to resolve the reported problems.

You have the following markup:

```
<キャッシング>
  <outputCacheSettings>
    <outputCacheProfiles>
      <clear />
      <add name="primaryCache"
        Target 1
        Target 2
        Target 3 > /
    </outputCacheProfiles>
  </outputCacheSettings>
</キャッシング>
```

Which markup segments should you include in Target 1, Target 2 and Target 3 to complete the markup? (To answer, select the correct markup segment from each drop-down list in the answer area.)

Answer Area

Target 1:

	▼
noStore="true"	
noStore="false"	

Target 2:

	▼
varyByCustom="clinicID"	
varyByParam="clinicID"	
varyByControl="clinicID"	

Target 3:

	▼
duration="129600"	
duration="36h"	

Answer:

Explanation: Target 1: noStore="false"

The page that has the OutputCacheProfile.NoStore property set to true issues a response specifying in its header to prevent secondary storage of sensitive information.

Target 2: VaryByParam ="clinicID"

The VaryByParam is a semicolon-delimited set of parameters used to vary the cached output. It allows varying the cached output by GET query string or form POST parameters. For instance, you can vary the user-control output to the cache by specifying the user- control name along with either a query string or a form POST parameter.

Incorrect: Not varyByControl="ClinicID"

The VaryByControl is a semicolon-delimited set of IDs of controls to be cached. Target 3: duration=129600"

The Duration represents the time in seconds that the page or user control is cached. Setting this property establishes an expiration policy for HTTP responses from the page or control to which it applies and will automatically cause the caching of their output.

129600 seconds is 36 hours (60*60*36).

References: [https://msdn.microsoft.com/en-us/library/system.web.configuration.outputcacheprofile\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.web.configuration.outputcacheprofile(v=vs.110).aspx)

NEW QUESTION 306

HOTSPOT

You plan to create several .NET applications that will read from Microsoft SQL Server 2014 databases by using Microsoft ADO.NET.

The relevant requirements for the applications are described in the following table.

Application name	Requirement
App1	Will populate three lists from a SQL Server table. The returned lists must have a specific sort order.
App2	Will populate the data from a SQL Server table to a custom list of objects.
App3	Will bind to a GridView and will maintain data in view state. Users will modify the data by using the GridView.

Typically, the applications will read thousands of rows of data at a time.

You need to identify which object to use to retrieve data for each application. The solution must minimize the amount of memory used on the application server.

What should you identify? To answer, select the appropriate options in the answer area.

Answer Area

App1:

App2:

App3:

Answer:

Explanation: App1: DataReader App2: DataReader App3: DataAdapter

Need to use a DataAdapter since the data could be modified. Note:

You can use the ADO.NET DataReader to retrieve a read-only, forward-only stream of data from a database. Results are returned as the query executes, and are stored in the network buffer on the client until you request them using the Read method of the DataReader. Using the DataReader can increase application performance both by retrieving data as soon as it is available, and (by default) storing only one row at a time in memory, reducing system overhead.

A DataAdapter is used to retrieve data from a data source and populate tables within a DataSet. The DataAdapter also resolves changes made to the DataSet back to the data source. The DataAdapter uses the Connection object of the .NET Framework data provider to connect to a data source, and it uses Command objects to retrieve data from and resolve changes to the data source.

References: <https://docs.microsoft.com/en-us/dotnet/framework/data/adonet/dataadapters-and-datareaders>

NEW QUESTION 311

DRAG DROP

You are developing a Windows Communication Foundation (WCF) service named WCF1. WCF1 will use a certificate to secure the communication channel.

You need to ensure that the WCF service uses a certificate to secure the communication channel.

How should you complete the code? To answer, drag the appropriate code blocks to the correct locations. Each code block may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Code blocks

ClientCredentialType

GetType

MessageCredentialType.Certificate

MessageCredentialType.IssuedToken

MessageCredentialType.Windows

SetCertificate

• • • • •

Answer Area

```
WSHttpBinding aBinding = new WSHttpBinding();
aBinding.Security.Mode = SecurityMode.Message;

aBinding.Security.Message 

Code Block

 =



Code Block

 ;

EndpointAddress wcfEP = new EndpointAddress("http://wcf1");
WCClient wcfClient = new WCClient(aBinding, wcfEP);

wcfClient.ClientCredentials.ClientCertificate. 

Code block

 (

    StoreLocation.CurrentUser, StoreName.My, X509FindType.FindBySubjectName, "wcf1.com");
```

Answer:

Explanation: Target 1: ClientCredentialType

Target 2: MessageCredentialType.Certificate

Set the ClientCredential property to an appropriate value. The following code sets the property to Certificate.

WSHttpBinding b = new WSHttpBinding(); b.Security.Mode = SecurityMode.Message;

b.Security.Message.ClientCredentialType = MessageCredentialType.Certificate; Target 3: SetCertificate

On the client class, set the ClientCredentials property of the ClientBase<TChannel> class to an appropriate value.

Example: // Set the certificate for the client. cc.ClientCredentials.ClientCertificate.SetCertificate(StoreLocation.LocalMachine, StoreName.My, X509FindType.FindBySubjectName, "cohwinery.com");

References: <https://docs.microsoft.com/en-us/dotnet/framework/wcf/how-to-set-the-security-mode>

<https://docs.microsoft.com/en-us/dotnet/framework/wcf/how-to-specify-client-credential-values>

NEW QUESTION 316

HOTSPOT

You create the following Windows Communication Foundation (WCF) service.

```
namespace WcfEmployeeService
{
    [ServiceContract]
    public interface IEmployeeService
    { ... }

    public class EmployeeService : IEmployeeService
    { ... }
}
```

The service is accessible at the URL of http://Service1/EmployeeService.svc. You need to add the endpoint for the WCF service to the Web.config file. How should you complete the markup? To answer, select the appropriate options in the answer area.

Answer Area

<endpoint		=	
	address binding bindingConfiguration listenUri		"http://Service1" "http://Service1/EmployeeService.svc" "NetTcpBinding" "WSHttpBinding"

contract=	"WcfEmployeeService" "WcfEmployeeService.EmployeeService" "WcfEmployeeService.IEmployeeService"	/>
-----------	---	----

Answer:

Explanation: Box 1: address

Box 2: "http://Service1/EmployeeService.svc"

In WCF, an EndpointAddress models an endpoint reference (EPR) as defined in the WS- Addressing standard.

The address URI for most transports has four parts. For example, this URI, "http://www.fabrikam.com:322/mathservice.svc/secureEndpoint" has the following four parts:

Scheme: http:

Machine: www.fabrikam.com (Optional) Port: 322

Path: /mathservice.svc/secureEndpoint

Box 3:
 The names and namespaces of the .NET types in the definition of contracts and operations are significant when contracts are converted into WSDL and when contract messages are created and sent. Therefore, it is strongly recommended that service contract names and namespaces are explicitly set using the Name and Namespace properties of all supporting contract attributes such as the ServiceContractAttribute, OperationContractAttribute, DataContractAttribute, DataMemberAttribute, and other contract attributes.

References: <https://docs.microsoft.com/en-us/dotnet/framework/wcf/specifying-an-endpoint-address>

<https://docs.microsoft.com/en-us/dotnet/framework/wcf/designing-service-contracts>

NEW QUESTION 317

You are developing an application that reads and writes data from a SQL Server database.

You need to ensure transactional data integrity. Which isolation level should you use?

- A. Serializable
- B. ReadCommitted
- C. ReadUncommitted
- D. Normal

Answer: C

Explanation: Serializable provides the highest level of data integrity.

References: [https://msdn.microsoft.com/en-us/library/system.data.isolationlevel\(v=vs.110\)](https://msdn.microsoft.com/en-us/library/system.data.isolationlevel(v=vs.110))

NEW QUESTION 322

DRAG DROP

You are developing a web application by using Microsoft ASP.NET MVC.

The web application will show a list of cars and their associated prices. The list can be filtered by car model by using a drop-down list. Access to the web application will be anonymous.

The car model list is stored as an .xml file on the application server. The car prices list is stored on a SQL Server server.

You need to recommend a caching strategy for each scenario:

?If a user selects a car model from the drop-down list, and then closes the browser, the same model must be selected automatically when the user reopens the web application from the same browser.

?If the car model list is updated, the drop-down list must be refreshed upon the next page reload.

?If the car prices list is updated, the prices list must be refreshed upon the next page reload.

What should you recommend? To answer, drag the appropriate caching strategies to the correct scenarios. Each caching strategy may be used once, more than once, or not at all. You

may need to drag the split bar between panes or scroll to view content.

Caching Strategies

ApplicationCache

CacheDependency

Cookie

MemoryCache

OutputCache

SqlCacheDependency

ViewState

Answer Area

If a user selects a car model from the drop-down list, and then closes the browser, the same model must be selected automatically when the user reopens the web application from the same browser.

Caching strategy

If the car model list is updated, the drop-down list must be refreshed upon the next page reload.

Caching strategy

If the car prices list is updated, the prices list must be refreshed upon the next page reload.

Caching strategy

Answer:

Explanation: Box 1: outputCache

outputCache declaratively controls the output caching policies of an ASP.NET page or a user control contained in a page.

Box 2: CacheDependency

CacheDependency establishes a dependency relationship between an item stored in an ASP.NET application's Cache object and a file, cache key, an array of either, or another CacheDependency object. The CacheDependency class monitors the dependency relationships so that when any of them changes, the cached item will be automatically removed.

Box 3: SqlCacheDependency

SQL cache dependency enables you to cache pages that are dependent on data from SQL Server tables. You can configure SQL Server and ASP.NET to cache page requests, reducing server workload, until the data on which the page depends has been updated in SQL Server. SQL cache dependency is useful for data such as product catalogs or customer registration information that remains comparatively static.

outputCache CacheDependency References: [https://msdn.microsoft.com/en-us/library/system.web.caching.cachedependency\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.web.caching.cachedependency(v=vs.110).aspx)

NEW QUESTION 324

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