



70-494^{Q&As}

Re for MCSD: Web Applications

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QUESTION 1

You are developing an ASP.NET MVC application that provides instant messaging capabilities to customers.

You have the following requirements:

Messages must be able to be sent and received simultaneously. Latency and unnecessary header data must be eliminated. The application must comply with HTML5 standards.

You need to design the application to meet the requirements.

What should you do?

- A. Configure polling from the browser.
- B. Implement long-running HTTP requests.
- C. Implement WebSockets protocol on the client and the server.
- D. Instantiate a MessageChannel object on the client.

Correct Answer: D

QUESTION 2

You need to maximize performance of video delivery.

Which code segment should you use as the body of the GetVideoStream function in the Video-Controller class?



- A.

```
MemoryStream stream = new MemoryStream();  
  
new GZipStream(System.IO.File.OpenRead(videoId), CompressionMode.Compress).CopyTo  
(stream);  
  
return stream;
```
- B.

```
if (Request.ContentEncoding.BodyName == "application/x-gzip")  
{  
    return new GZipStream(System.IO.File.OpenRead(videoId), CompressionMode.Compress);  
}  
  
return System.IO.File.OpenRead(videoId);
```
- C.

```
return new GZipStream(System.IO.File.OpenRead(videoId), CompressionMode.Compress);
```
- D.

```
if (Request.Headers["Accept-Encoding"].Contains("gzip"))  
{  
    return new GZipStream(System.IO.File.OpenRead(videoId), CompressionMode.Compress);  
}  
  
return System.IO.File.OpenRead(videoId);
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 3

You need to return the list of the top 100 books for the GetTopBooks() method. Which type should you use to retrieve the data?

A. SqlDataReader

B. DataSet

C. DataTable



D. Data View

Correct Answer: A

QUESTION 4

You are developing an ASP.NET Web API application for currency conversion that will be consumed by a web browser by using a composite application that is served from another web domain.

You need to configure the Web API.

What should you do? (To answer, drag the appropriate XML elements to the correct location or locations 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.)

Select and Place:

The screenshot shows a drag-and-drop interface for configuring an ASP.NET Web API. On the left, there is a list of XML elements to be placed into the answer area. The elements are: Access-Control-Allow-Origin, Access-Control-Allow-Headers, Access-Control-Allow-Methods, Access-Control-Allow-Request-Method, Access-Control-Allow-Request-Headers, *, POST, GET, and Content-Type. On the right, the 'Answer Area' shows the XML structure for the <httpProtocol> element. The structure is: <httpProtocol> <customHeaders> <add name="Access-Control-Allow-Origin" value=" " /> <add name=" " value="PUT, DELETE" /> <add name=" " value=" " /> </customHeaders> </httpProtocol>. The 'value' attributes are currently empty text boxes. A watermark 'www.PassApply.com' is visible across the interface.

Correct Answer:



Access-Control-Allow-Origin

Access-Control-Allow-Request-Method

Access-Control-Allow-Request-Headers

POST, GET

Answer Area

```
<httpProtocol>
<customHeaders>
  <add name="Access-Control-Allow-Origin"
    value="*" />
  <add name="Access-Control-Allow-Methods"
    value="PUT, DELETE" />
  <add name="Access-Control-Allow-Headers"
    value="Content-Type" />
</customHeaders>
</httpProtocol>
```

QUESTION 5

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`

Correct Answer: B

QUESTION 6

You are developing an ASP.NET MVC application.

Before an action is executed, information about the action must be written to a log. After results are returned, information about the results also must be written to the log.

You need to log the actions and results.

You have the following code:



```
Target 1
{
    public override void
    Target 2
    {
        Logger.Log("ActionLog", filterContext.RouteData);
    }
    public override void
    Target 3
    {
        Logger.Log("ResultLog", filterContext.RouteData);
    }
}
```

Which code segments should you include in Target 1, Target 2 and Target 3 to implement the LogActionFilter class?
(To answer, select the appropriate option from the drop-down list in the answer area.)

Hot Area:

Answer Area

Target 1:

OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter

Target 2:

OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter

Target 3:

OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter

Correct Answer:



Answer Area

Target 1:

OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter

Target 2:

OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter

Target 3:

OnActionExecuting(ActionExecutingContext filterContext)
OnActionExecuted(ActionExecutedContext filterContext)
OnResultExecuting(ResultExecutingContext filterContext)
OnResultExecuted(ResultExecutedContext filterContext)
public class LogActionFilter : ActionFilterAttribute
public class LogActionFilter : IActionFilter

QUESTION 7

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.)

Select and Place:

ChangeInterceptor

QueryInterceptor

"Movies"

"MovieEntities"

Expression

Filter

Answer Area

```

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;
    }
}

```

Correct Answer:



Answer Area

```
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;
    }
}
```

ChangeInterceptor
"MovieEntities"
Filter

QUESTION 8

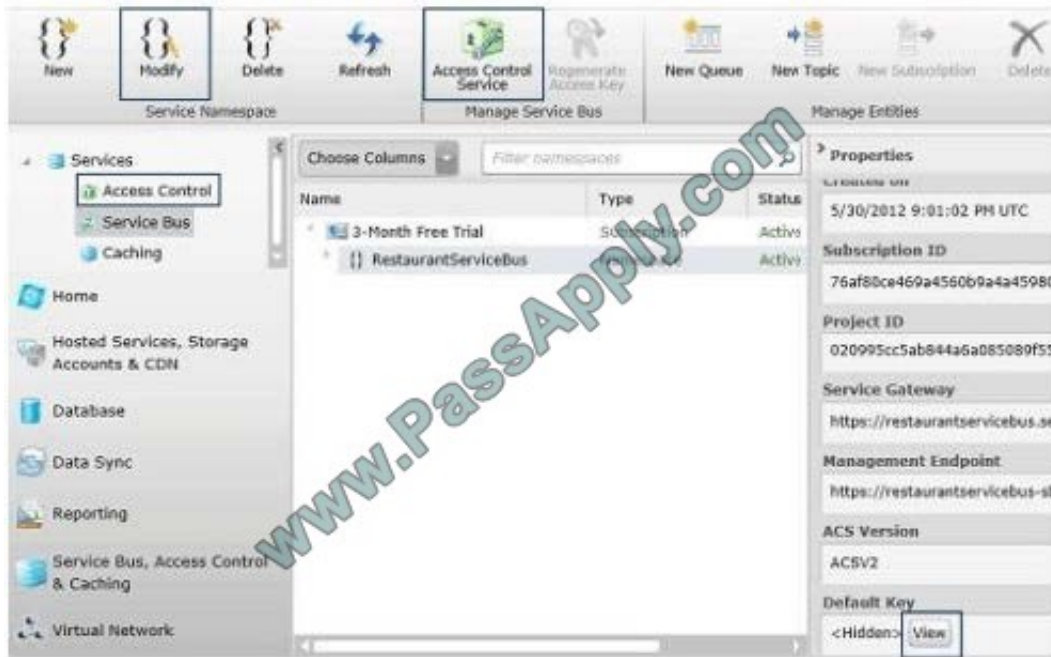
You are developing a WCF service in Visual Studio 2013 that integrates with the Microsoft Azure service bus relay.

The Azure service bus namespace is named RestaurantServiceBus.

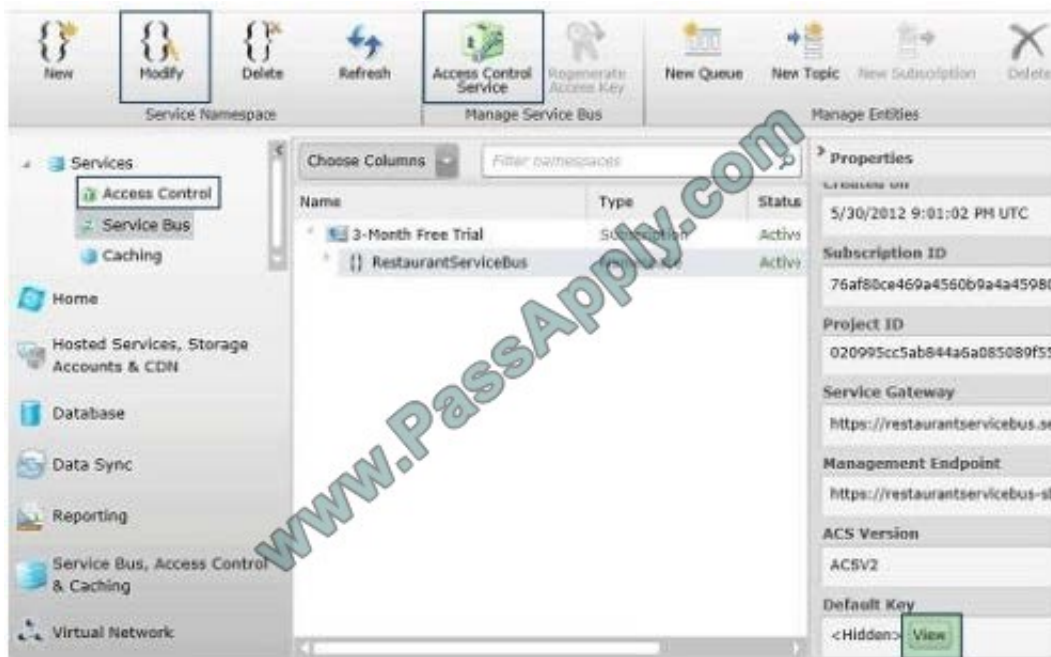
You need to obtain the issuer name and secret.

What should you do? (To answer, select the appropriate option in the answer area.)

Hot Area:



Correct Answer:



QUESTION 9

You are designing a distributed application that runs on the Microsoft Azure platform.

The application must store a small amount of insecure global information for all users that does not change frequently.

You need to configure the application to meet the requirements.



Which server-side state management option should you use? Each correct answer presents a complete solution. Choose all that apply.

- A. profile properties of the Microsoft Azure application
- B. Microsoft Azure session state
- C. SQL Database
- D. Microsoft Azure application state

Correct Answer: A

Explanation: In many applications, you want to store and use information that is unique to a user. When a user visits your site, you can use the information you have stored to present the user with a personalized version of your Web application. Personalizing an application requires a number of elements: you must store the information using a unique user identifier, be able to recognize users when they visit again, and then fetch the user information as needed. To simplify your applications, you can use the ASP.NET profile feature, which can perform all of these tasks for you.

QUESTION 10

You need to ensure that new customers enter a valid email address.

Which code should you use? (Each correct answer presents part of the solution. Choose all that apply.)

- A.

```
[RegularExpression (emailPattern, ErrorMessage = EmailErrorMessage)]  
[DataType (DataType.EmailAddress)]  
public string Email { get; set; }
```
- B.

```
[RegularExpression (EmailRegex, ErrorMessage = EmailErrorMessage,  
ErrorMessageResourceType = DataType.EmailAddress)]  
[ComplexType]  
public string Email { get; set; }
```
- C.

```
<%: Html.Raw (m => m.Email) %>
```
- D.

```
<%: Html.TextBoxFor (m => m.Email) %>
```

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

Correct Answer: AD



QUESTION 11

You need to ensure that developers can connect to a Windows Azure role by using RDP. What should you do?

- A. Export a certificate without a private key. Upload the .cer file to the Management Certificates section on the Azure Management Portal.
- B. Export a certificate with a private key. Upload the .pfx file to the Management Certificates section on the Azure Management Portal.
- C. Export a certificate without a private key. Upload the .cer file to the Certificates section under the TranscodeWorkerRole hosted service on the Azure Management Portal.
- D. Export a certificate with a private key. Upload the .pfx file to the Certificates section under the TranscodeWorkerRole hosted service on the Azure Management Portal.

Correct Answer: D

QUESTION 12

You need to enable client-side validation for an ASP.NET MVC application.

Which three actions should you perform? Each correct answer presents part of the solution.

- A. Attach a custom validation attribute to the model properties that the view uses.
- B. Reference the jquery, jquery.validate and jquery.validate.unobtrusive script files in the view.
- C. Open the web.config file at the project root, and set the values of the ClientValidationEnabled and UnobtrusiveJavaScriptEnabled keys to True.
- D. For each form element, use the Validator.element() method to validate each item.
- E. Add data annotations to the model properties that the view uses.

Correct Answer: BCE

Explanation: B: . The validation can be implemented using jQuery and jQuery validation plug-in (jquery.validate.min.js and jquery.validate.unobtrusive.min.js).

C: When you are developing an MVC application in Visual Studio 2012 then the client-side becomes enabled by default, but you can easily enable or disable the writing of the following app setting code snippet in the web.config file.



E: The jQuery validation plug-in takes advantage of the Data Annotation attributes defined in the model, which means that you need to do very little to start using it. Reference: ASP.NET MVC Client Side Validation
<http://www.codeproject.com/Articles/718004/ASP-NET-MVC-Client-Side-Validation>

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