

Vendor: Microsoft

> Exam Code: 70-487

Exam Name: Developing Microsoft Azure and Web Services

Question 81 -- Question 100

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QUESTION 81

Drag and Drop Question

You are developing an ASP.NET Web API for a home inventory management system. You need to limit access to users with IP addresses based only in the United States. You have the following code:

```
public class HomeInventoryAuthorization: Target 1
}
   public override void OnAuthorization (Target 2 context)
   {
     var isUSIP = IP.IsUSIPAddress (context);
   }
}
```

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.)

get 1: Code Segment get 2: Code Segment
get 2: Code Segment



Code Segments	Answer Area
HttpActionContext	Target 1: AuthorizeAttribute
AuthorizeAttribute	Target 2: HttpActionContext
AuthorizationFilterAttribute	
AuthorizationContext	
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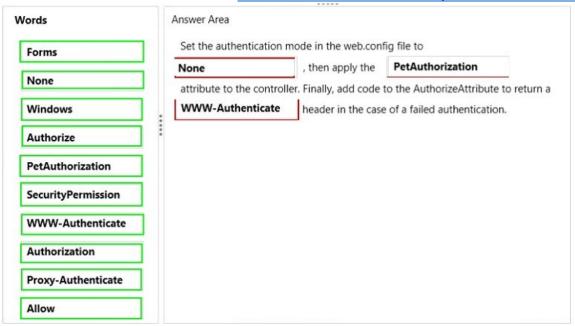
QUESTION 82

Drag and Drop Question

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)

ords	Answer Area		
Forms	Set the authentication	n mode in the web.config fi	le to
	Word	, then apply the	Word
None	attribute to the contr	oller. Finally, add code to th	e AuthorizeAttribute to return
Windows	Word	header in the case of a	a failed authentication.
Authorize	:		
PetAuthorization			
SecurityPermission			
WWW-Authenticate			
Authorization			
Proxy-Authenticate			
Allow			





QUESTION 83

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?



```
OA 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);
      }
     public ActionResult Index(string country, string CompanyName)
OB.
       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);
OC. 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);
OD. 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

QUESTION 84

Drag and Drop Question

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:



QUESTION 85



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

Answer: B

QUESTION 86

You are developing a library management application that uses the ADO.NET Entity Framework against a SQL Server database. The application has a method that returns check outs filtered by date. The Book class is shown below.



```
public partial class Book
{
    ...
    public Nullable<System.DateTime> CheckoutDate { get; set; }
    ...
}
```

You must filter the data on the SQL server before it is returned to the application server. You need to return books checked out more recently than the entered date. Which code segment should you use?

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

Answer: A **Explanation:**

The difference is that IQueryable<T> is the interface that allows LINQ-to-SQL (LINQ.-to- anything really) to work. So if you further refine your query on an IQueryable<T>, that query will be executed in the database, if possible. For the IEnumerable<T> case, it will be LINQ-to-object, meaning that all objects matching the original query will have to be loaded into memory from the database.

QUESTION 87

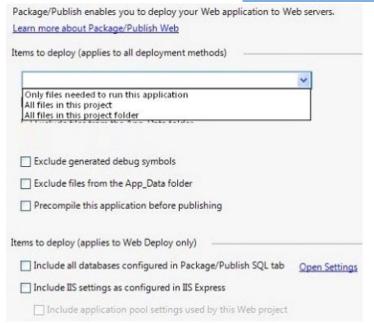
Hotspot Question

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:

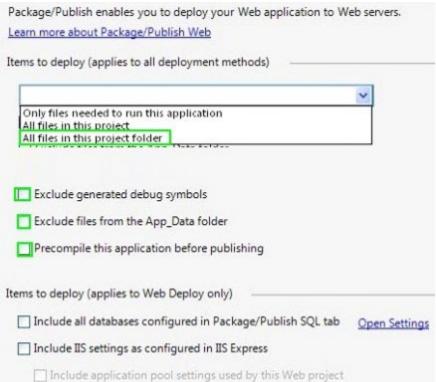
- The deployment must merge the assemblies on the local machine with those on the host.
- The deployment must publish the local database to the remote Microsoft SQL server.

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.)





Answer:



QUESTION 88

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: C

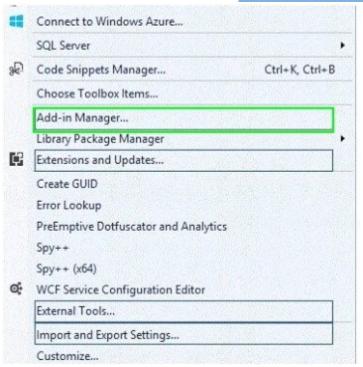
QUESTION 89

Hotspot Question

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.)







QUESTION 90

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 EntityDataRcader 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.

QUESTION 91

You are developing an ASP.NET MVC application. The application has a page that searches for and displays an image stored in a database. Members of the EntityClient namespace are used to access an ADO.NET Entity Framework data model. Images and associated metadata are stored in a database table. You need to run a query that returns only the image while minimizing the amount of data that is transmitted. Which method of the EntityCommand type should you use?

- A. ExecuteScalar
- B. ExecuteDbDataReader
- C. ExecuteReader
- D. ExecuteNonQuery

Answer: A Explanation:

ExecuteScalar: Executes the command, and returns the first column of the first row in the result set. Additional columns or rows are ignored.

QUESTION 92

You are developing an order processing application that uses the ADO.NET Entity Framework against a SQL Server database. Lazy loading has been disabled. The application displays orders and their associated order details. Order details are filtered based on the category of the product in each order. The Order class is shown below.

```
public partial class Order
  public int OrderID { get; set; }
  public virtual ICollection<OrderDetail> OrderDetails { get; set; }
}
The OrderDetail class is shown below.
 public partial class OrderDetail
   [Key, Column(Order = 1)]
   public int OrderID { get; set; }
   [Key, Column(Order = 2)]
   public int ProductID { get; set; }
   public virtual Order Order { get; set; }
   public virtual Product Product { get; set; }
The Product class is shown below.
public partial class Product
  public int ProductID { get; set; }
  public string ProductName { get; set; }
  public Nullable<int> CategoryID { get; set; }
  public virtual Category Category { get; set; }
```

The Category class is shown below.

The Category class is shown below.

```
public partial class Category
  public int CategoryID { get; set; }
  public string CategoryName { get; set; }
  public virtual ICollection<Product> Products { get; set; }
}
```

You need to return orders with their filtered list of order details included in a single round trip to the database. Which code segment should you use?

```
var orders = db.Orders.SelectMany(o => o.OrderDetails.
       Where(od => od.Product.Category.CategoryName == categoryName)).
       Select(od => new { order = od.Order, detail = od }).
       Select(r => r.order);
OB. var orders = db.Orders.SelectMany(o => o.OrderDetails.
       Where(od => od.Product.Category.CategoryName == categoryName)).
       Select(od => new { order = od.Order, detail = od }).ToList().
       Select(r => r.order);
OC. var orderDetails = db.Orders.SelectMany(o => o.OrderDetails.
       Where(od => od.Product.Category.CategoryName == categoryName)).ToList();
      List<int> orderIDs = orderDetails.Select(od => od.OrderID).ToList();
      var orders = db.Orders.Where(o => orderIDs.Contains(o.OrderID));
OD. var orderDetails = db.Orders.SelectMany(o => o.OrderDetails.
       Where(od => od.Product.Category.CategoryName == categoryName));
      List<int> orderIDs = orderDetails.Select(od => od.OrderID).ToList();
      var orders = db.Orders.Where(o => orderIDs.Contains(o.OrderID));
A. Option A
```

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

Answer: B

QUESTION 93

Drag and Drop Question

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: ITransactionService
{
   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	Answer Area
[TransactionFlow(TransactionFlowOption.Allowed)]	Target 1: Code Segment
[TransactionFlow(TransactionFlowOption.Mandatory)]	Code Segment
[OperationBehavior(TransactionScopeRequired = true)]	Target 2:
[OperationBehavior(TransactionScope.Required)]	Code Segment
[ServiceBehavior(TransactionTimeout = "00:00:30")]	
[ServiceBehavior(TransactionTimeout = 30)]	Target 3:
[ServiceContract]	Code Segment
	Target 4:
Answer:	Code Segment
Code Segments	Answer Area
er describe	
Code Segments	Answer Area Target 1:
[TransactionFlow(TransactionFlowOption.Allowed)]	Answer Area Target 1:
[TransactionFlow(TransactionFlowOption.Allowed)] [TransactionFlow(TransactionFlowOption.Mandatory)]	Answer Area Target 1: [ServiceContract]
[TransactionFlow(TransactionFlowOption.Allowed)] [TransactionFlow(TransactionFlowOption.Mandatory)] [OperationBehavior(TransactionScopeRequired = true)]	Answer Area Target 1: [ServiceContract] Target 2:
[TransactionFlow(TransactionFlowOption.Allowed)] [TransactionFlow(TransactionFlowOption.Mandatory)] [OperationBehavior(TransactionScopeRequired = true)] [OperationBehavior(TransactionScope.Required)]	Answer Area Target 1: [ServiceContract] Target 2: [TransactionFlow(TransactionFlowOption.Mandatory)] Target 3:
[TransactionFlow(TransactionFlowOption.Allowed)] [TransactionFlow(TransactionFlowOption.Mandatory)] [OperationBehavior(TransactionScopeRequired = true)] [OperationBehavior(TransactionScope.Required)] [ServiceBehavior(TransactionTimeout = "00:00:30")]	Answer Area Target 1: [ServiceContract] Target 2: [TransactionFlow(TransactionFlowOption.Mandatory)]
[TransactionFlow(TransactionFlowOption.Allowed)] [TransactionFlow(TransactionFlowOption.Mandatory)] [OperationBehavior(TransactionScopeRequired = true)] [OperationBehavior(TransactionScope.Required)] [ServiceBehavior(TransactionTimeout = "00:00:30")] [ServiceBehavior(TransactionTimeout = 30)]	Answer Area Target 1: [ServiceContract] Target 2: [TransactionFlow(TransactionFlowOption.Mandatory)] Target 3:

QUESTION 94



Drag and Drop Question

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

ML Elements	Answer Area	
httpGetBinding	Target 1:	XML Element
httpGetEnabled	Target 2:	XML Element
mexHttpBinding	Target 3:	XML Element
mexTcpBinding	Target 4:	XML Element
mexNamedPipeBinding	•	
true		
false		
CustomerService.IService		
IMetadataExchange		

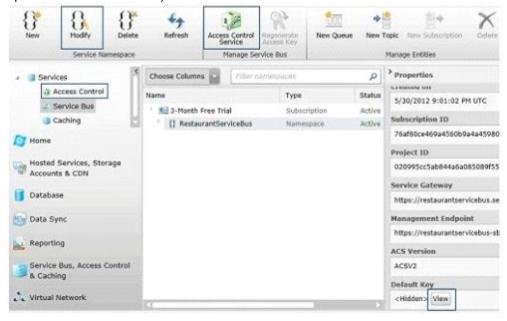


ML Elements	Answer Are	a
httpGetBinding	Target 1:	mexHttpBinding
httpGetEnabled	Target 2:	IMetadataExchange
mexHttpBinding	Target 3:	httpGetEnabled
mexTcpBinding	Target 4:	false
mexNamedPipeBinding		
true		
false		
CustomerService.IService]	
IMetadataExchange		

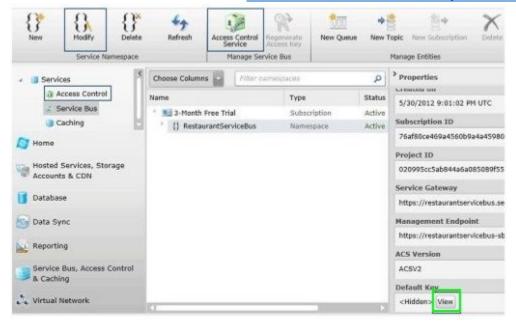
QUESTION 95

Hotspot Question

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.)







QUESTION 96

Drag and Drop Question

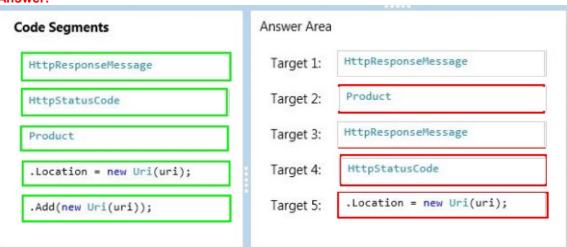
You are developing an ASP.NET MVC Web API application. The methods of the Web API must return details about the result of the operation. You need to create a method to add products. You have the following code:

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.)



ode Segments	Answer Area	
HttpResponseMessage	Target 1:	Code Segment
HttpStatusCode	Target 2:	Code Segment
Product	Target 3:	Code Segment
.Location = new Uri(uri);	Target 4:	Code Segment
.Add(new Uri(uri));	Target 5:	Code Segment

Answer:



QUESTION 97

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?



```
OA 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());
              }
       );
}
      );
OB. 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());
OC. 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());
OD. 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 CD. Option D

Answer: A

QUESTION 98

Drag and Drop Question

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	
ContentType	Target 1:	Code Segment
Accept	Target 2:	Code Segment
AcceptEncoding		
application/xhtml+xml		
application/xml		



ContentType	Target 1:	Accept
Accept	Target 2:	application/json
AcceptEncoding	i.	
application/xhtml+xml	j i	
application/xml		
application/json	1	

QUESTION 99

Hotspot Question

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:

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:

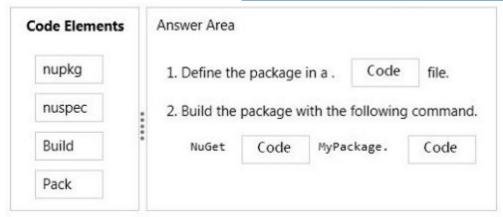


QUESTION 100

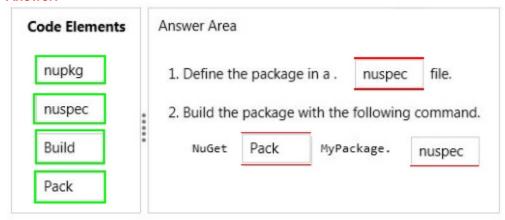
Drag and Drop Question

You have a UI element library. You need to build a NuGet package to integrate the library into your projects. What should you do? (To answer, drag the appropriate code elements to the correct location or locations 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.)





Answer:



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