**Ajax-enabled WCF Service from HTML**

Create a new item type **Ajax-enabled WCF Service**

ProductService.svc

namespace AdventureWorks

{

[ServiceContract(Namespace = "")]

[AspNetCompatibilityRequirements(RequirementsMode = AspNetCompatibilityRequirementsMode.Allowed)]

public class ProductsService

{

[OperationContract]

public string GetRandomProduct()

{

var random = new Random();

int randomNumber = 0;

using (var db = new AdventureWorksEntities())

{

int count = 0;

while (count == 0)

{

randomNumber = random.Next(500, 1000);

var query = (from p in db.Products

where p.ProductID == randomNumber

select p);

count = query.Count();

}

var randomProduct = (from p in db.Products

where p.ProductID == randomNumber

select new { p.Name, p.ListPrice, p.ProductNumber }).FirstOrDefault();

return new System.Web.Script.Serialization.JavaScriptSerializer().Serialize(randomProduct);

}

}

}

}

|  |
| --- |
| **Add a scriptManagre**  <form id="Form1" runat="server">  <asp:ScriptManager ID="ScriptManager1" runat="server">  <Services>  <asp:ServiceReference Path="~/ProductsService.svc" />  </Services>  </asp:ScriptManager> |
| **Set where to copy data**  <div class="main">  <asp:ContentPlaceHolder ID="MainContent" runat="server" />  <div style="margin: 10px 10px 10px 10px; padding: 10px 10px 10px 10px; border: solid 2px black;  float: right; top: 150px; left: 500px; position: absolute;">  <h3>  FEATURED PRODUCT</h3>  Product Name: <label id="ProductName"></label>  <br />  Product Number: <label id="ProductNumber"></label>  <br />  Product Price: $ <label id="ProductPrice"></label>  <br />  </div>  <div class="clear">  </div>  </div>  </div>  <div class="footer">  </div> |
| **At the bottom**  </html>  <script type="text/javascript">  getRandomProduct();  function getRandomProduct() {  ProductsService.GetRandomProduct(function (response) {  var product = eval('(' + response + ')');  document.getElementById("ProductName").innerHTML = product.Name;  document.getElementById("ProductNumber").innerHTML = product.ProductNumber;  document.getElementById("ProductPrice").innerHTML = product.ListPrice;  });  }  </script> |

Check the web.config the **system.serviceModel**

<system.serviceModel>

<behaviors>

<endpointBehaviors>

<behavior name="AdventureWorks.ProductsServiceAspNetAjaxBehavior">

<enableWebScript />

</behavior>

</endpointBehaviors>

</behaviors>

<serviceHostingEnvironment aspNetCompatibilityEnabled="true"

multipleSiteBindingsEnabled="true" />

<services>

<service name="AdventureWorks.ProductsService">

<endpoint address=""

behaviorConfiguration="AdventureWorks.ProductsServiceAspNetAjaxBehavior"

binding="webHttpBinding" contract="AdventureWorks.ProductsService" />

</service>

</services>

</system.serviceModel>