**AdRotator Class**

[**http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx**](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx)

**.NET Framework 4**

[Other Versions](javascript:;)

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Displays an advertisement banner on a Web page.

[Inheritance Hierarchy](javascript:void(0))

[System.Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx)  
  [System.Web.UI.Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx)  
    [System.Web.UI.WebControls.WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx)  
      [System.Web.UI.WebControls.BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx)  
        [System.Web.UI.WebControls.DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx)  
          System.Web.UI.WebControls.AdRotator

**Namespace:**  [System.Web.UI.WebControls](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols%28v=vs.100%29.aspx)  
**Assembly:**  System.Web (in System.Web.dll)

[Syntax](javascript:void(0))

C#

[C++](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx?cs-save-lang=1&cs-lang=cpp#code-snippet-1)

[F#](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx?cs-save-lang=1&cs-lang=fsharp#code-snippet-1)

[VB](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx?cs-save-lang=1&cs-lang=vb#code-snippet-1)

public class AdRotator : DataBoundControl

ASP.NET

<asp:AdRotator />

The AdRotator type exposes the following members.

[Constructors](javascript:void(0))

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Public method | [AdRotator](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.adrotator%28v=vs.100%29.aspx) | Initializes a new instance of the AdRotator class. |

[Top](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx#mainBody)

[Properties](javascript:void(0))

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Public property | [AccessKey](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.accesskey%28v=vs.100%29.aspx) | Gets or sets the access key that allows you to quickly navigate to the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected property | [Adapter](http://msdn.microsoft.com/en-us/library/system.web.ui.control.adapter%28v=vs.100%29.aspx) | Gets the browser-specific adapter for the control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [AdvertisementFile](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.advertisementfile%28v=vs.100%29.aspx) | Gets or sets the path to an XML file that contains advertisement information. |
| Public property | [AlternateTextField](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.alternatetextfield%28v=vs.100%29.aspx) | Gets or sets a custom data field to use in place of the AlternateText attribute for an advertisement. |
| Public property | [AppRelativeTemplateSourceDirectory](http://msdn.microsoft.com/en-us/library/system.web.ui.control.apprelativetemplatesourcedirectory%28v=vs.100%29.aspx) | Gets or sets the application-relative virtual directory of the [Page](http://msdn.microsoft.com/en-us/library/system.web.ui.page%28v=vs.100%29.aspx) or [UserControl](http://msdn.microsoft.com/en-us/library/system.web.ui.usercontrol%28v=vs.100%29.aspx) object that contains this control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Attributes](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.attributes%28v=vs.100%29.aspx) | Gets the collection of arbitrary attributes (for rendering only) that do not correspond to properties on the control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [BackColor](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.backcolor%28v=vs.100%29.aspx) | Gets or sets the background color of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [BindingContainer](http://msdn.microsoft.com/en-us/library/system.web.ui.control.bindingcontainer%28v=vs.100%29.aspx) | Infrastructure. Gets the control that contains this control's data binding. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [BorderColor](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.bordercolor%28v=vs.100%29.aspx) | Gets or sets the border color of the Web control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [BorderStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.borderstyle%28v=vs.100%29.aspx) | Gets or sets the border style of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [BorderWidth](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.borderwidth%28v=vs.100%29.aspx) | Gets or sets the border width of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected property | [ChildControlsCreated](http://msdn.microsoft.com/en-us/library/system.web.ui.control.childcontrolscreated%28v=vs.100%29.aspx) | Gets a value that indicates whether the server control's child controls have been created. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [ClientID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clientid%28v=vs.100%29.aspx) | Gets the control ID for HTML markup that is generated by ASP.NET. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [ClientIDMode](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clientidmode%28v=vs.100%29.aspx) | Gets or sets the algorithm that is used to generate the value of the [ClientID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clientid%28v=vs.100%29.aspx) property. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [ClientIDSeparator](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clientidseparator%28v=vs.100%29.aspx) | Gets a character value representing the separator character used in the [ClientID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clientid%28v=vs.100%29.aspx) property. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [Context](http://msdn.microsoft.com/en-us/library/system.web.ui.control.context%28v=vs.100%29.aspx) | Gets the [HttpContext](http://msdn.microsoft.com/en-us/library/system.web.httpcontext%28v=vs.100%29.aspx) object associated with the server control for the current Web request. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Controls](http://msdn.microsoft.com/en-us/library/system.web.ui.control.controls%28v=vs.100%29.aspx) | Gets a [ControlCollection](http://msdn.microsoft.com/en-us/library/system.web.ui.controlcollection%28v=vs.100%29.aspx) object that represents the child controls for a specified server control in the UI hierarchy. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [ControlStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.controlstyle%28v=vs.100%29.aspx) | Gets the style of the Web server control. This property is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [ControlStyleCreated](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.controlstylecreated%28v=vs.100%29.aspx) | Gets a value indicating whether a [Style](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.style%28v=vs.100%29.aspx) object has been created for the [ControlStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.controlstyle%28v=vs.100%29.aspx) property. This property is primarily used by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [CssClass](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.cssclass%28v=vs.100%29.aspx) | Gets or sets the Cascading Style Sheet (CSS) class rendered by the Web server control on the client. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [DataItemContainer](http://msdn.microsoft.com/en-us/library/system.web.ui.control.dataitemcontainer%28v=vs.100%29.aspx) | Gets a reference to the naming container if the naming container implements [IDataItemContainer](http://msdn.microsoft.com/en-us/library/system.web.ui.idataitemcontainer%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [DataKeysContainer](http://msdn.microsoft.com/en-us/library/system.web.ui.control.datakeyscontainer%28v=vs.100%29.aspx) | Gets a reference to the naming container if the naming container implements [IDataKeysControl](http://msdn.microsoft.com/en-us/library/system.web.ui.idatakeyscontrol%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [DataMember](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.datamember%28v=vs.100%29.aspx) | Gets or sets the name of the list of data that the data-bound control binds to, in cases where the data source contains more than one distinct list of data items. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Public property | [DataSource](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.datasource%28v=vs.100%29.aspx) | Gets or sets the object from which the data-bound control retrieves its list of data items. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Public property | [DataSourceID](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.datasourceid%28v=vs.100%29.aspx) | Gets or sets the ID of the control from which the data-bound control retrieves its list of data items. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Public property | [DataSourceObject](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.datasourceobject%28v=vs.100%29.aspx) | Gets an object that implements the [IDataSource](http://msdn.microsoft.com/en-us/library/system.web.ui.idatasource%28v=vs.100%29.aspx) interface, which provides access to the object's data content. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected property | [DesignMode](http://msdn.microsoft.com/en-us/library/system.web.ui.control.designmode%28v=vs.100%29.aspx) | Gets a value indicating whether a control is being used on a design surface. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Enabled](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.enabled%28v=vs.100%29.aspx) | Gets or sets a value indicating whether the Web server control is enabled. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [EnableTheming](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.enabletheming%28v=vs.100%29.aspx) | Gets or sets a value indicating whether themes apply to this control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [EnableViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.enableviewstate%28v=vs.100%29.aspx) | Gets or sets a value indicating whether the server control persists its view state, and the view state of any child controls it contains, to the requesting client. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [Events](http://msdn.microsoft.com/en-us/library/system.web.ui.control.events%28v=vs.100%29.aspx) | Gets a list of event handler delegates for the control. This property is read-only. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Font](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.font%28v=vs.100%29.aspx) | Infrastructure. Gets the font properties associated with the advertisement banner control. (Overrides [WebControl.Font](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.font%28v=vs.100%29.aspx).) |
| Public property | [ForeColor](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.forecolor%28v=vs.100%29.aspx) | Gets or sets the foreground color (typically the color of the text) of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [HasAttributes](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.hasattributes%28v=vs.100%29.aspx) | Gets a value indicating whether the control has attributes set. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected property | [HasChildViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.haschildviewstate%28v=vs.100%29.aspx) | Gets a value indicating whether the current server control's child controls have any saved view-state settings. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Height](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.height%28v=vs.100%29.aspx) | Gets or sets the height of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [ID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.id%28v=vs.100%29.aspx) | Gets or sets the programmatic identifier assigned to the server control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [IdSeparator](http://msdn.microsoft.com/en-us/library/system.web.ui.control.idseparator%28v=vs.100%29.aspx) | Infrastructure. Gets the character used to separate control identifiers. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [ImageUrlField](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.imageurlfield%28v=vs.100%29.aspx) | Gets or sets a custom data field to use in place of the ImageUrl attribute for an advertisement. |
| Protected property | [Initialized](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.initialized%28v=vs.100%29.aspx) | Gets a value indicating whether the data-bound control has been initialized. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Protected property | [IsBoundUsingDataSourceID](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.isboundusingdatasourceid%28v=vs.100%29.aspx) | Gets a value indicating whether the [DataSourceID](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.datasourceid%28v=vs.100%29.aspx) property is set. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Protected property | [IsChildControlStateCleared](http://msdn.microsoft.com/en-us/library/system.web.ui.control.ischildcontrolstatecleared%28v=vs.100%29.aspx) | Gets a value indicating whether controls contained within this control have control state. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [IsEnabled](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.isenabled%28v=vs.100%29.aspx) | Gets a value indicating whether the control is enabled. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected property | [IsTrackingViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.istrackingviewstate%28v=vs.100%29.aspx) | Gets a value that indicates whether the server control is saving changes to its view state. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [IsViewStateEnabled](http://msdn.microsoft.com/en-us/library/system.web.ui.control.isviewstateenabled%28v=vs.100%29.aspx) | Gets a value indicating whether view state is enabled for this control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [KeywordFilter](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.keywordfilter%28v=vs.100%29.aspx) | Gets or sets a category keyword to filter for specific types of advertisements in the XML advertisement file. |
| Protected property | [LoadViewStateByID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.loadviewstatebyid%28v=vs.100%29.aspx) | Gets a value indicating whether the control participates in loading its view state by [ID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.id%28v=vs.100%29.aspx) instead of index. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [NamingContainer](http://msdn.microsoft.com/en-us/library/system.web.ui.control.namingcontainer%28v=vs.100%29.aspx) | Gets a reference to the server control's naming container, which creates a unique namespace for differentiating between server controls with the same [Control.ID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.id%28v=vs.100%29.aspx) property value. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [NavigateUrlField](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.navigateurlfield%28v=vs.100%29.aspx) | Gets or sets a custom data field to use in place of the NavigateUrl attribute for an advertisement. |
| Public property | [Page](http://msdn.microsoft.com/en-us/library/system.web.ui.control.page%28v=vs.100%29.aspx) | Gets a reference to the [Page](http://msdn.microsoft.com/en-us/library/system.web.ui.page%28v=vs.100%29.aspx) instance that contains the server control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Parent](http://msdn.microsoft.com/en-us/library/system.web.ui.control.parent%28v=vs.100%29.aspx) | Gets a reference to the server control's parent control in the page control hierarchy. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [RenderingCompatibility](http://msdn.microsoft.com/en-us/library/system.web.ui.control.renderingcompatibility%28v=vs.100%29.aspx) | Gets a value that specifies the ASP.NET version that rendered HTML will be compatible with. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [RequiresDataBinding](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.requiresdatabinding%28v=vs.100%29.aspx) | Gets or sets a value indicating whether the [DataBind](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.databind%28v=vs.100%29.aspx) method should be called. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Protected property | [SelectArguments](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.selectarguments%28v=vs.100%29.aspx) | Gets a [DataSourceSelectArguments](http://msdn.microsoft.com/en-us/library/system.web.ui.datasourceselectarguments%28v=vs.100%29.aspx) object that the data-bound control uses when retrieving data from a data source control. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Public property | [Site](http://msdn.microsoft.com/en-us/library/system.web.ui.control.site%28v=vs.100%29.aspx) | Gets information about the container that hosts the current control when rendered on a design surface. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [SkinID](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.skinid%28v=vs.100%29.aspx) | Gets or sets the skin to apply to the control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [Style](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.style%28v=vs.100%29.aspx) | Gets a collection of text attributes that will be rendered as a style attribute on the outer tag of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [SupportsDisabledAttribute](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.supportsdisabledattribute%28v=vs.100%29.aspx) | Gets a value that indicates whether the control should set the disabled attribute of the rendered HTML element to "disabled" when the control's [IsEnabled](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.isenabled%28v=vs.100%29.aspx) property is false. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Public property | [TabIndex](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.tabindex%28v=vs.100%29.aspx) | Gets or sets the tab index of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected property | [TagKey](http://msdn.microsoft.com/en-us/library/ms155481%28v=vs.100%29.aspx) | Gets the HTML tag for the AdRotator control. (Overrides [WebControl.TagKey](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.tagkey%28v=vs.100%29.aspx).) |
| Protected property | [TagName](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.tagname%28v=vs.100%29.aspx) | Gets the name of the control tag. This property is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [Target](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.target%28v=vs.100%29.aspx) | Gets or sets the name of the browser window or frame that displays the contents of the Web page linked to when the AdRotator control is clicked. |
| Public property | [TemplateControl](http://msdn.microsoft.com/en-us/library/system.web.ui.control.templatecontrol%28v=vs.100%29.aspx) | Gets or sets a reference to the template that contains this control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [TemplateSourceDirectory](http://msdn.microsoft.com/en-us/library/system.web.ui.control.templatesourcedirectory%28v=vs.100%29.aspx) | Gets the virtual directory of the [Page](http://msdn.microsoft.com/en-us/library/system.web.ui.page%28v=vs.100%29.aspx) or [UserControl](http://msdn.microsoft.com/en-us/library/system.web.ui.usercontrol%28v=vs.100%29.aspx) that contains the current server control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [ToolTip](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.tooltip%28v=vs.100%29.aspx) | Gets or sets the text displayed when the mouse pointer hovers over the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public property | [UniqueID](http://msdn.microsoft.com/en-us/library/ayk4te3c%28v=vs.100%29.aspx) | Gets the unique, hierarchically qualified identifier for the AdRotator control. (Overrides [Control.UniqueID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.uniqueid%28v=vs.100%29.aspx).) |
| Protected property | [ViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.viewstate%28v=vs.100%29.aspx) | Gets a dictionary of state information that allows you to save and restore the view state of a server control across multiple requests for the same page. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected property | [ViewStateIgnoresCase](http://msdn.microsoft.com/en-us/library/system.web.ui.control.viewstateignorescase%28v=vs.100%29.aspx) | Gets a value that indicates whether the [StateBag](http://msdn.microsoft.com/en-us/library/system.web.ui.statebag%28v=vs.100%29.aspx) object is case-insensitive. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [ViewStateMode](http://msdn.microsoft.com/en-us/library/system.web.ui.control.viewstatemode%28v=vs.100%29.aspx) | Gets or sets the view-state mode of this control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Visible](http://msdn.microsoft.com/en-us/library/system.web.ui.control.visible%28v=vs.100%29.aspx) | Gets or sets a value that indicates whether a server control is rendered as UI on the page. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public property | [Width](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.width%28v=vs.100%29.aspx) | Gets or sets the width of the Web server control. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |

[Top](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx#mainBody)

[Methods](javascript:void(0))

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Protected method | [AddAttributesToRender](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.addattributestorender%28v=vs.100%29.aspx) | Adds HTML attributes and styles that need to be rendered to the specified [HtmlTextWriterTag](http://msdn.microsoft.com/en-us/library/system.web.ui.htmltextwritertag%28v=vs.100%29.aspx). This method is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [AddedControl](http://msdn.microsoft.com/en-us/library/system.web.ui.control.addedcontrol%28v=vs.100%29.aspx) | Called after a child control is added to the [Controls](http://msdn.microsoft.com/en-us/library/system.web.ui.control.controls%28v=vs.100%29.aspx) collection of the [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx) object. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [AddParsedSubObject](http://msdn.microsoft.com/en-us/library/system.web.ui.control.addparsedsubobject%28v=vs.100%29.aspx) | Notifies the server control that an element, either XML or HTML, was parsed, and adds the element to the server control's [ControlCollection](http://msdn.microsoft.com/en-us/library/system.web.ui.controlcollection%28v=vs.100%29.aspx) object. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [ApplyStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.applystyle%28v=vs.100%29.aspx) | Copies any nonblank elements of the specified style to the Web control, overwriting any existing style elements of the control. This method is primarily used by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public method | [ApplyStyleSheetSkin](http://msdn.microsoft.com/en-us/library/system.web.ui.control.applystylesheetskin%28v=vs.100%29.aspx) | Applies the style properties defined in the page style sheet to the control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [BuildProfileTree](http://msdn.microsoft.com/en-us/library/system.web.ui.control.buildprofiletree%28v=vs.100%29.aspx) | Infrastructure. Gathers information about the server control and delivers it to the [Trace](http://msdn.microsoft.com/en-us/library/system.web.ui.page.trace%28v=vs.100%29.aspx) property to be displayed when tracing is enabled for the page. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [ClearCachedClientID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clearcachedclientid%28v=vs.100%29.aspx) | Infrastructure. Sets the cached [ClientID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clientid%28v=vs.100%29.aspx) value to null. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [ClearChildControlState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clearchildcontrolstate%28v=vs.100%29.aspx) | Deletes the control-state information for the server control's child controls. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [ClearChildState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clearchildstate%28v=vs.100%29.aspx) | Deletes the view-state and control-state information for all the server control's child controls. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [ClearChildViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clearchildviewstate%28v=vs.100%29.aspx) | Deletes the view-state information for all the server control's child controls. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [ClearEffectiveClientIDMode](http://msdn.microsoft.com/en-us/library/system.web.ui.control.cleareffectiveclientidmode%28v=vs.100%29.aspx) | Infrastructure. Sets the [ClientIDMode](http://msdn.microsoft.com/en-us/library/system.web.ui.control.clientidmode%28v=vs.100%29.aspx) property of the current control instance and of any child controls to [Inherit](http://msdn.microsoft.com/en-us/library/system.web.ui.clientidmode%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [ConfirmInitState](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.confirminitstate%28v=vs.100%29.aspx) | Sets the initialized state of the data-bound control. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Public method | [CopyBaseAttributes](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.copybaseattributes%28v=vs.100%29.aspx) | Copies the properties not encapsulated by the [Style](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.style%28v=vs.100%29.aspx) object from the specified Web server control to the Web server control that this method is called from. This method is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [CreateChildControls](http://msdn.microsoft.com/en-us/library/system.web.ui.control.createchildcontrols%28v=vs.100%29.aspx) | Called by the ASP.NET page framework to notify server controls that use composition-based implementation to create any child controls they contain in preparation for posting back or rendering. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [CreateControlCollection](http://msdn.microsoft.com/en-us/library/system.web.ui.control.createcontrolcollection%28v=vs.100%29.aspx) | Creates a new [ControlCollection](http://msdn.microsoft.com/en-us/library/system.web.ui.controlcollection%28v=vs.100%29.aspx) object to hold the child controls (both literal and server) of the server control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [CreateControlStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.createcontrolstyle%28v=vs.100%29.aspx) | Creates the style object that is used internally by the [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx) class to implement all style related properties. This method is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [CreateDataSourceSelectArguments](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.createdatasourceselectarguments%28v=vs.100%29.aspx) | Creates a default [DataSourceSelectArguments](http://msdn.microsoft.com/en-us/library/system.web.ui.datasourceselectarguments%28v=vs.100%29.aspx) object used by the data-bound control if no arguments are specified. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Public method | [DataBind()](http://msdn.microsoft.com/en-us/library/zd7t67ef%28v=vs.100%29.aspx) | Binds a data source to the invoked server control and all its child controls. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [DataBind(Boolean)](http://msdn.microsoft.com/en-us/library/kf1c24y6%28v=vs.100%29.aspx) | Binds a data source to the invoked server control and all its child controls with an option to raise the [DataBinding](http://msdn.microsoft.com/en-us/library/system.web.ui.control.databinding%28v=vs.100%29.aspx) event. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [DataBindChildren](http://msdn.microsoft.com/en-us/library/system.web.ui.control.databindchildren%28v=vs.100%29.aspx) | Binds a data source to the server control's child controls. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [Dispose](http://msdn.microsoft.com/en-us/library/system.web.ui.control.dispose%28v=vs.100%29.aspx) | Enables a server control to perform final clean up before it is released from memory. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [EnsureChildControls](http://msdn.microsoft.com/en-us/library/system.web.ui.control.ensurechildcontrols%28v=vs.100%29.aspx) | Determines whether the server control contains child controls. If it does not, it creates child controls. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [EnsureDataBound](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.ensuredatabound%28v=vs.100%29.aspx) | Calls the [DataBind](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.databind%28v=vs.100%29.aspx) method if the [DataSourceID](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.datasourceid%28v=vs.100%29.aspx) property is set and the data-bound control is marked to require binding. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [EnsureID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.ensureid%28v=vs.100%29.aspx) | Creates an identifier for controls that do not have an identifier assigned. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [Equals(Object)](http://msdn.microsoft.com/en-us/library/bsc2ak47%28v=vs.100%29.aspx) | Determines whether the specified [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx) is equal to the current [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx). (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx).) |
| Protected method | [Finalize](http://msdn.microsoft.com/en-us/library/system.object.finalize%28v=vs.100%29.aspx) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx).) |
| Public method | [FindControl(String)](http://msdn.microsoft.com/en-us/library/486wc64h%28v=vs.100%29.aspx) | Searches the current naming container for a server control with the specified id parameter. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [FindControl(String, Int32)](http://msdn.microsoft.com/en-us/library/407hh602%28v=vs.100%29.aspx) | Infrastructure. Searches the current naming container for a server control with the specified id and an integer, specified in the pathOffset parameter, which aids in the search. You should not override this version of the [FindControl](http://msdn.microsoft.com/en-us/library/system.web.ui.control.findcontrol%28v=vs.100%29.aspx) method. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [Focus](http://msdn.microsoft.com/en-us/library/system.web.ui.control.focus%28v=vs.100%29.aspx) | Sets input focus to a control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [GetData](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.getdata%28v=vs.100%29.aspx) | Retrieves a [DataSourceView](http://msdn.microsoft.com/en-us/library/system.web.ui.datasourceview%28v=vs.100%29.aspx) object that the data-bound control uses to perform data operations. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [GetDataSource](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.getdatasource%28v=vs.100%29.aspx) | Retrieves the [IDataSource](http://msdn.microsoft.com/en-us/library/system.web.ui.idatasource%28v=vs.100%29.aspx) interface that the data-bound control is associated with, if any. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [GetDesignModeState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.getdesignmodestate%28v=vs.100%29.aspx) | Infrastructure. Gets design-time data for a control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [GetHashCode](http://msdn.microsoft.com/en-us/library/system.object.gethashcode%28v=vs.100%29.aspx) | Serves as a hash function for a particular type. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx).) |
| Public method | [GetRouteUrl(Object)](http://msdn.microsoft.com/en-us/library/dd784643%28v=vs.100%29.aspx) | Gets the URL that corresponds to a set of route parameters. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [GetRouteUrl(RouteValueDictionary)](http://msdn.microsoft.com/en-us/library/dd992869%28v=vs.100%29.aspx) | Gets the URL that corresponds to a set of route parameters. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [GetRouteUrl(String, Object)](http://msdn.microsoft.com/en-us/library/dd992877%28v=vs.100%29.aspx) | Gets the URL that corresponds to a set of route parameters and a route name. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [GetRouteUrl(String, RouteValueDictionary)](http://msdn.microsoft.com/en-us/library/dd992933%28v=vs.100%29.aspx) | Gets the URL that corresponds to a set of route parameters and a route name. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [GetType](http://msdn.microsoft.com/en-us/library/system.object.gettype%28v=vs.100%29.aspx) | Gets the [Type](http://msdn.microsoft.com/en-us/library/system.type%28v=vs.100%29.aspx) of the current instance. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx).) |
| Public method | [GetUniqueIDRelativeTo](http://msdn.microsoft.com/en-us/library/system.web.ui.control.getuniqueidrelativeto%28v=vs.100%29.aspx) | Returns the prefixed portion of the [UniqueID](http://msdn.microsoft.com/en-us/library/system.web.ui.control.uniqueid%28v=vs.100%29.aspx) property of the specified control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [HasControls](http://msdn.microsoft.com/en-us/library/system.web.ui.control.hascontrols%28v=vs.100%29.aspx) | Determines if the server control contains any child controls. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [HasEvents](http://msdn.microsoft.com/en-us/library/system.web.ui.control.hasevents%28v=vs.100%29.aspx) | Returns a value indicating whether events are registered for the control or any child controls. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [IsLiteralContent](http://msdn.microsoft.com/en-us/library/system.web.ui.control.isliteralcontent%28v=vs.100%29.aspx) | Infrastructure. Determines if the server control holds only literal content. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [LoadControlState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.loadcontrolstate%28v=vs.100%29.aspx) | Restores control-state information from a previous page request that was saved by the [SaveControlState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.savecontrolstate%28v=vs.100%29.aspx) method. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [LoadViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.loadviewstate%28v=vs.100%29.aspx) | Restores view-state information from a previous request that was saved with the [SaveViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.saveviewstate%28v=vs.100%29.aspx) method. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [MapPathSecure](http://msdn.microsoft.com/en-us/library/system.web.ui.control.mappathsecure%28v=vs.100%29.aspx) | Retrieves the physical path that a virtual path, either absolute or relative, maps to. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [MarkAsDataBound](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.markasdatabound%28v=vs.100%29.aspx) | Sets the state of the control in view state as successfully bound to data. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [MemberwiseClone](http://msdn.microsoft.com/en-us/library/system.object.memberwiseclone%28v=vs.100%29.aspx) | Creates a shallow copy of the current [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx). (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx).) |
| Public method | [MergeStyle](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.mergestyle%28v=vs.100%29.aspx) | Copies any nonblank elements of the specified style to the Web control, but will not overwrite any existing style elements of the control. This method is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [OnAdCreated](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.onadcreated%28v=vs.100%29.aspx) | Raises the [AdCreated](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.adcreated%28v=vs.100%29.aspx) event for the AdRotator control. |
| Protected method | [OnBubbleEvent](http://msdn.microsoft.com/en-us/library/system.web.ui.control.onbubbleevent%28v=vs.100%29.aspx) | Determines whether the event for the server control is passed up the page's UI server control hierarchy. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [OnDataBinding](http://msdn.microsoft.com/en-us/library/system.web.ui.control.ondatabinding%28v=vs.100%29.aspx) | Raises the [DataBinding](http://msdn.microsoft.com/en-us/library/system.web.ui.control.databinding%28v=vs.100%29.aspx) event. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [OnDataBound](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.ondatabound%28v=vs.100%29.aspx) | Raises the [DataBound](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.databound%28v=vs.100%29.aspx) event. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [OnDataPropertyChanged](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.ondatapropertychanged%28v=vs.100%29.aspx) | Rebinds the data-bound control to its data after one of the base data source identification properties changes. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [OnDataSourceViewChanged](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.ondatasourceviewchanged%28v=vs.100%29.aspx) | Raises the [DataSourceViewChanged](http://msdn.microsoft.com/en-us/library/system.web.ui.datasourceview.datasourceviewchanged%28v=vs.100%29.aspx) event. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [OnInit](http://msdn.microsoft.com/en-us/library/ms155478%28v=vs.100%29.aspx) | Raises the [Init](http://msdn.microsoft.com/en-us/library/system.web.ui.control.init%28v=vs.100%29.aspx) event. (Overrides [BaseDataBoundControl.OnInit(EventArgs)](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.oninit%28v=vs.100%29.aspx).) |
| Protected method | [OnLoad](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.onload%28v=vs.100%29.aspx) | Handles the [Control.Load](http://msdn.microsoft.com/en-us/library/system.web.ui.control.load%28v=vs.100%29.aspx) event. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [OnPagePreLoad](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.onpagepreload%28v=vs.100%29.aspx) | Sets the initialized state of the data-bound control before the control is loaded. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |
| Protected method | [OnPreRender](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.onprerender%28v=vs.100%29.aspx) | Gets the advertisement information for rendering by looking up the file data or calling the user event. (Overrides [BaseDataBoundControl.OnPreRender(EventArgs)](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.onprerender%28v=vs.100%29.aspx).) |
| Protected method | [OnUnload](http://msdn.microsoft.com/en-us/library/system.web.ui.control.onunload%28v=vs.100%29.aspx) | Raises the [Unload](http://msdn.microsoft.com/en-us/library/system.web.ui.control.unload%28v=vs.100%29.aspx) event. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [OpenFile](http://msdn.microsoft.com/en-us/library/system.web.ui.control.openfile%28v=vs.100%29.aspx) | Gets a [Stream](http://msdn.microsoft.com/en-us/library/system.io.stream%28v=vs.100%29.aspx) used to read a file. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [PerformDataBinding](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.performdatabinding%28v=vs.100%29.aspx) | Binds the specified data source to the AdRotator control. (Overrides [DataBoundControl.PerformDataBinding(IEnumerable)](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.performdatabinding%28v=vs.100%29.aspx).) |
| Protected method | [PerformSelect](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.performselect%28v=vs.100%29.aspx) | Retrieves the advertisement data from the associated data source. (Overrides [DataBoundControl.PerformSelect()](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.performselect%28v=vs.100%29.aspx).) |
| Protected method | [RaiseBubbleEvent](http://msdn.microsoft.com/en-us/library/system.web.ui.control.raisebubbleevent%28v=vs.100%29.aspx) | Assigns any sources of the event and its information to the control's parent. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [RemovedControl](http://msdn.microsoft.com/en-us/library/system.web.ui.control.removedcontrol%28v=vs.100%29.aspx) | Called after a child control is removed from the [Controls](http://msdn.microsoft.com/en-us/library/system.web.ui.control.controls%28v=vs.100%29.aspx) collection of the [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx) object. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [Render](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.render%28v=vs.100%29.aspx) | Displays the AdRotator control on the client. (Overrides [WebControl.Render(HtmlTextWriter)](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.render%28v=vs.100%29.aspx).) |
| Public method | [RenderBeginTag](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.renderbegintag%28v=vs.100%29.aspx) | Renders the HTML opening tag of the control to the specified writer. This method is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [RenderChildren](http://msdn.microsoft.com/en-us/library/system.web.ui.control.renderchildren%28v=vs.100%29.aspx) | Outputs the content of a server control's children to a provided [HtmlTextWriter](http://msdn.microsoft.com/en-us/library/system.web.ui.htmltextwriter%28v=vs.100%29.aspx) object, which writes the content to be rendered on the client. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [RenderContents](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.rendercontents%28v=vs.100%29.aspx) | Renders the contents of the control to the specified writer. This method is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Public method | [RenderControl(HtmlTextWriter)](http://msdn.microsoft.com/en-us/library/htwek607%28v=vs.100%29.aspx) | Outputs server control content to a provided [HtmlTextWriter](http://msdn.microsoft.com/en-us/library/system.web.ui.htmltextwriter%28v=vs.100%29.aspx) object and stores tracing information about the control if tracing is enabled. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [RenderControl(HtmlTextWriter, ControlAdapter)](http://msdn.microsoft.com/en-us/library/wk91d11a%28v=vs.100%29.aspx) | Outputs server control content to a provided [HtmlTextWriter](http://msdn.microsoft.com/en-us/library/system.web.ui.htmltextwriter%28v=vs.100%29.aspx) object using a provided [ControlAdapter](http://msdn.microsoft.com/en-us/library/system.web.ui.adapters.controladapter%28v=vs.100%29.aspx) object. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [RenderEndTag](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.renderendtag%28v=vs.100%29.aspx) | Renders the HTML closing tag of the control into the specified writer. This method is used primarily by control developers. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [ResolveAdapter](http://msdn.microsoft.com/en-us/library/system.web.ui.control.resolveadapter%28v=vs.100%29.aspx) | Gets the control adapter responsible for rendering the specified control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [ResolveClientUrl](http://msdn.microsoft.com/en-us/library/system.web.ui.control.resolveclienturl%28v=vs.100%29.aspx) | Gets a URL that can be used by the browser. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [ResolveUrl](http://msdn.microsoft.com/en-us/library/system.web.ui.control.resolveurl%28v=vs.100%29.aspx) | Converts a URL into one that is usable on the requesting client. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [SaveControlState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.savecontrolstate%28v=vs.100%29.aspx) | Saves any server control state changes that have occurred since the time the page was posted back to the server. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Protected method | [SaveViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.saveviewstate%28v=vs.100%29.aspx) | Saves any state that was modified after the [TrackViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.style.trackviewstate%28v=vs.100%29.aspx) method was invoked. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [SetDesignModeState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.setdesignmodestate%28v=vs.100%29.aspx) | Sets design-time data for a control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [SetRenderMethodDelegate](http://msdn.microsoft.com/en-us/library/system.web.ui.control.setrendermethoddelegate%28v=vs.100%29.aspx) | Infrastructure. Assigns an event handler delegate to render the server control and its content into its parent control. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public method | [ToString](http://msdn.microsoft.com/en-us/library/system.object.tostring%28v=vs.100%29.aspx) | Returns a string that represents the current object. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object%28v=vs.100%29.aspx).) |
| Protected method | [TrackViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol.trackviewstate%28v=vs.100%29.aspx) | Causes the control to track changes to its view state so they can be stored in the object's [ViewState](http://msdn.microsoft.com/en-us/library/system.web.ui.control.viewstate%28v=vs.100%29.aspx) property. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Protected method | [ValidateDataSource](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol.validatedatasource%28v=vs.100%29.aspx) | Verifies that the object a data-bound control binds to is one it can work with. (Inherited from [DataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.databoundcontrol%28v=vs.100%29.aspx).) |

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[Events](javascript:void(0))

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|  | **Name** | **Description** |
| Public event | [AdCreated](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.adcreated%28v=vs.100%29.aspx) | Occurs once per round trip to the server after the creation of the control, but before the page is rendered. |
| Public event | [DataBinding](http://msdn.microsoft.com/en-us/library/system.web.ui.control.databinding%28v=vs.100%29.aspx) | Occurs when the server control binds to a data source. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public event | [DataBound](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol.databound%28v=vs.100%29.aspx) | Occurs after the server control binds to a data source. (Inherited from [BaseDataBoundControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.basedataboundcontrol%28v=vs.100%29.aspx).) |
| Public event | [Disposed](http://msdn.microsoft.com/en-us/library/system.web.ui.control.disposed%28v=vs.100%29.aspx) | Occurs when a server control is released from memory, which is the last stage of the server control lifecycle when an ASP.NET page is requested. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public event | [Init](http://msdn.microsoft.com/en-us/library/system.web.ui.control.init%28v=vs.100%29.aspx) | Occurs when the server control is initialized, which is the first step in its lifecycle. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public event | [Load](http://msdn.microsoft.com/en-us/library/system.web.ui.control.load%28v=vs.100%29.aspx) | Occurs when the server control is loaded into the [Page](http://msdn.microsoft.com/en-us/library/system.web.ui.page%28v=vs.100%29.aspx) object. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public event | [PreRender](http://msdn.microsoft.com/en-us/library/system.web.ui.control.prerender%28v=vs.100%29.aspx) | Occurs after the [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx) object is loaded but prior to rendering. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Public event | [Unload](http://msdn.microsoft.com/en-us/library/system.web.ui.control.unload%28v=vs.100%29.aspx) | Occurs when the server control is unloaded from memory. (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |

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[Extension Methods](javascript:void(0))

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|  | **Name** | **Description** |
| Public Extension Method | [EnablePersistedSelection](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions.enablepersistedselection%28v=vs.100%29.aspx) | Enables selection to be persisted in data controls that support selection and paging. (Defined by [DynamicDataExtensions](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions%28v=vs.100%29.aspx).) |
| Public Extension Method | [FindDataSourceControl](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions.finddatasourcecontrol%28v=vs.100%29.aspx) | Returns the data source that is associated with the data control for the specified control. (Defined by [DynamicDataExtensions](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions%28v=vs.100%29.aspx).) |
| Public Extension Method | [FindFieldTemplate](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions.findfieldtemplate%28v=vs.100%29.aspx) | Returns the field template for the specified column in the specified control's naming container. (Defined by [DynamicDataExtensions](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions%28v=vs.100%29.aspx).) |
| Public Extension Method | [FindMetaTable](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions.findmetatable%28v=vs.100%29.aspx) | Returns the metatable object for the containing data control. (Defined by [DynamicDataExtensions](http://msdn.microsoft.com/en-us/library/system.web.dynamicdata.dynamicdataextensions%28v=vs.100%29.aspx).) |

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[Explicit Interface Implementations](javascript:void(0))

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|  | **Name** | **Description** |
| Explicit interface implemetationPrivate method | [IAttributeAccessor.GetAttribute](http://msdn.microsoft.com/en-us/library/bb338936%28v=vs.100%29.aspx) | Infrastructure. Gets an attribute of the Web control with the specified name. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate method | [IAttributeAccessor.SetAttribute](http://msdn.microsoft.com/en-us/library/bb353551%28v=vs.100%29.aspx) | Sets an attribute of the Web control to the specified name and value. (Inherited from [WebControl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webcontrol%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate property | IControlBuilderAccessor.ControlBuilder | For a description of this member, see [IControlBuilderAccessor.ControlBuilder](http://msdn.microsoft.com/en-us/library/system.web.ui.icontrolbuilderaccessor.controlbuilder%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate method | IControlDesignerAccessor.GetDesignModeState | For a description of this member, see [IControlDesignerAccessor.GetDesignModeState](http://msdn.microsoft.com/en-us/library/system.web.ui.icontroldesigneraccessor.getdesignmodestate%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate method | IControlDesignerAccessor.SetDesignModeState | For a description of this member, see [IControlDesignerAccessor.SetDesignModeState](http://msdn.microsoft.com/en-us/library/system.web.ui.icontroldesigneraccessor.setdesignmodestate%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate method | IControlDesignerAccessor.SetOwnerControl | Infrastructure. For a description of this member, see [IControlDesignerAccessor.SetOwnerControl](http://msdn.microsoft.com/en-us/library/system.web.ui.icontroldesigneraccessor.setownercontrol%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate property | IControlDesignerAccessor.UserData | For a description of this member, see [IControlDesignerAccessor.UserData](http://msdn.microsoft.com/en-us/library/system.web.ui.icontroldesigneraccessor.userdata%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate property | IDataBindingsAccessor.DataBindings | For a description of this member, see [IDataBindingsAccessor.DataBindings](http://msdn.microsoft.com/en-us/library/system.web.ui.idatabindingsaccessor.databindings%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate property | IDataBindingsAccessor.HasDataBindings | For a description of this member, see [IDataBindingsAccessor.HasDataBindings](http://msdn.microsoft.com/en-us/library/system.web.ui.idatabindingsaccessor.hasdatabindings%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate property | IExpressionsAccessor.Expressions | For a description of this member, see [IExpressionsAccessor.Expressions](http://msdn.microsoft.com/en-us/library/system.web.ui.iexpressionsaccessor.expressions%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate property | IExpressionsAccessor.HasExpressions | For a description of this member, see [IExpressionsAccessor.HasExpressions](http://msdn.microsoft.com/en-us/library/system.web.ui.iexpressionsaccessor.hasexpressions%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |
| Explicit interface implemetationPrivate method | IParserAccessor.AddParsedSubObject | For a description of this member, see [IParserAccessor.AddParsedSubObject](http://msdn.microsoft.com/en-us/library/system.web.ui.iparseraccessor.addparsedsubobject%28v=vs.100%29.aspx). (Inherited from [Control](http://msdn.microsoft.com/en-us/library/system.web.ui.control%28v=vs.100%29.aspx).) |

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[Remarks](javascript:void(0))

In this topic:

* [Introduction](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx#Introduction)
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* [Declarative Syntax](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx#DeclarativeSyntax)

**Introduction**

Use the AdRotator control to display a randomly selected advertisement banner on the Web page. The displayed advertisement changes whenever the page refreshes.

Advertisement information is stored in a separate XML file. The XML file allows you to maintain a list of advertisements and their associated attributes. Attributes include the path to an image to display, the URL to link to when the control is clicked, the alternate text to display when the image is not available, a keyword, and the frequency of the advertisement. Information in this file is not validated by the AdRotator control. To prevent ads from executing malicious scripts, you should always check the data before releasing it, or accept ad information only from trusted sources.

To secure your advertisement file from unauthorized Internet access, do one or more of the following:

* Store it in the App\_Data directory, which is configured to deny Internet access for files of any type.
* Rename the file with an extension that is not .xml, and map the extension to the HttpForbiddenHandler in Web.config. For more information, see the [httpHandlers](http://msdn.microsoft.com/en-us/library/bya7fh0a%28v=vs.100%29.aspx) section in your Machine.config file.

As an alternative to an XML file as the source of data, it is possible to provide advertisement information through a callback event. This event can also be used in combination with the XML file to extend the behavior of the AdRotator control, such as redirecting to another page. See the [AdvertisementFile](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.advertisementfile%28v=vs.100%29.aspx) property for additional information on the file format.

|  |
| --- |
| **NoteNote** |
| When page caching is enabled, an AdRotator control is not cached. A new advertisement is selected whenever the Web page refreshes. A new advertisement is not selected, however, if you provide an event handler for the [AdCreated](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.adcreated%28v=vs.100%29.aspx) event. |

**XML Advertisement File Format**

The AdRotator control uses a separate XML advertisement file to store the advertisement information, such as the location of the image to display and the URL of the page to link to. The [AdvertisementFile](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.advertisementfile%28v=vs.100%29.aspx) property of the AdRotator control specifies the path to this file.

When creating the advertisement file, opening and closing <Advertisements> tags mark the beginning and the end of the file, respectively. Opening and closing <Ad> tags delimit each advertisement. All advertisements are nested between the opening and closing <Advertisements> tags. If the file contains multiple <Advertisements> tags, only the first set of <Advertisements> tags in the file will be parsed by the AdRotator control. All other <Advertisements> tags will be ignored.

The data elements for each advertisement are nested between the opening and closing <Ad> tags. Although certain data elements are predefined (such as [ImageUrl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adcreatedeventargs.imageurl%28v=vs.100%29.aspx) and [NavigateUrl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adcreatedeventargs.navigateurl%28v=vs.100%29.aspx)), you can place custom elements between the <Ad> tags. These elements will be read by the AdRotator control when it parses the file. The information is then passed to the [AdCreated](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.adcreated%28v=vs.100%29.aspx) event in the [AdProperties](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adcreatedeventargs.adproperties%28v=vs.100%29.aspx) dictionary property.

The following table lists the data elements that are predefined for the XML advertisement file.

|  |  |
| --- | --- |
| **Element** | **Description** |
| ImageUrl | The absolute or relative URL to an image file (optional). |
| NavigateUrl | The URL of a page to link to if the user clicks the ad (optional).  Note**Note**  If this element is not set, the HRef property is not rendered on the anchor tag. |
| Height | The height of the image, in pixels (optional). |
| Width | The width of the image, in pixels (optional). |
| AlternateText | The text display in place of the image when the image specified by the [ImageUrl](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adcreatedeventargs.imageurl%28v=vs.100%29.aspx) property is not available (optional).  In some browsers, this text also appears as a ToolTip for the advertisement. |
| Keyword | A category for the advertisement (for example, "computers") that you can filter by (optional). |
| Impressions | A number that indicates the importance of the ad in the schedule of rotation relative to the other ads in the file (optional).  The larger the number, the more often the ad is displayed. The total of all <Impressions> values in the XML file cannot exceed 2,047,999,999*.* If it does, the AdRotator control throws a run-time exception. |

The following example shows the format for the XML advertisement file.

<Advertisements>

<Ad>

<ImageUrl>

URL of image to display for Advertisement #1

</ImageUrl>

<NavigateUrl>

URL of page to link to for Advertisement #1

</NavigateUrl>

<AlternateText>

Text to show as a ToolTip for Advertisement #1

</AlternateText>

<Keyword>

Keyword used to filter for Advertisement #1

</Keyword>

<Impressions>

Relative importance of Advertisement #1

</Impressions>

<CustomInformation>

Custom Data about Advertisement #1

</CustomInformation>

</Ad>

</Advertisements>

**Declarative Syntax**

<asp:AdRotator

    AccessKey="string"

    AdvertisementFile="uri"

    AlternateTextField="string"

    BackColor="color name|#dddddd"

    BorderColor="color name|#dddddd"

    BorderStyle="NotSet|None|Dotted|Dashed|Solid|Double|Groove|Ridge|

Inset|Outset"

    BorderWidth="size"

    CssClass="string"

    DataMember="string"

    DataSource="string"

    DataSourceID="string"

    Enabled="True|False"

    EnableTheming="True|False"

    EnableViewState="True|False"

    ForeColor="color name|#dddddd"

    Height="size"

    ID="string"

    ImageUrlField="string"

    KeywordFilter="string"

    NavigateUrlField="string"

    OnAdCreated="AdCreated event handler"

    OnDataBinding="DataBinding event handler"

    OnDataBound="DataBound event handler"

    OnDisposed="Disposed event handler"

    OnInit="Init event handler"

    OnLoad="Load event handler"

    OnPreRender="PreRender event handler"

    OnUnload="Unload event handler"

    runat="server"

    SkinID="string"

    Style="string"

    TabIndex="integer"

    Target="string|\_blank|\_parent|\_search|\_self|\_top"

    ToolTip="string"

    Visible="True|False"

    Width="size"

/>

| **Topic** | **Location** |
| --- | --- |
| [How to: Display Ads From an XML File Using the AdRotator Web Server Control](http://msdn.microsoft.com/en-us/library/d5kd8aka%28v=vs.85%29.aspx) | Building ASP .NET Web Applications |
| [How to: Display Ads From a Database Using the AdRotator Web Server Control](http://msdn.microsoft.com/en-us/library/ms227550%28v=vs.85%29.aspx) | Building ASP .NET Web Applications |
| [How to: Select Ads in an AdRotator Web Server Control Programmatically](http://msdn.microsoft.com/en-us/library/d6xa5a9k%28v=vs.85%29.aspx) | Building ASP .NET Web Applications |
| [How to: Display Ads From an XML File Using the AdRotator Web Server Control](http://msdn.microsoft.com/en-us/library/d5kd8aka%28v=vs.80%29.aspx) | Building ASP .NET Web Applications |
| [How to: Display Ads From a Database Using the AdRotator Web Server Control](http://msdn.microsoft.com/en-us/library/ms227550%28v=vs.80%29.aspx) | Building ASP .NET Web Applications |
| [How to: Select Ads in an AdRotator Web Server Control Programmatically](http://msdn.microsoft.com/en-us/library/d6xa5a9k%28v=vs.80%29.aspx) | Building ASP .NET Web Applications |
| [Walkthrough: Displaying and Tracking Advertisements with the AdRotator Control](http://msdn.microsoft.com/en-us/library/azwad69k%28v=vs.80%29.aspx) | Building ASP .NET Web Applications in Visual Studio |

[Examples](javascript:void(0))

The following code example demonstrates how to use the AdRotator control to display an advertisement banner on a Web page.

C#

[VB](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator%28v=vs.100%29.aspx?cs-save-lang=1&cs-lang=vb#code-snippet-5)

<%@ Page Language="C#" AutoEventWireup="True" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >

<head runat="server">

<title>AdRotator Example</title>

</head>

<body>

<form id="form1" runat="server">

<h3>AdRotator Example</h3>

<asp:AdRotator id="AdRotator1" runat="server"

Target="\_self"

AdvertisementFile="~/App\_Data/Ads.xml"/>

</form>

</body>

</html>

The following code example demonstrates the file format for an XML file that contains advertisement information for the previous example. For more information on the file format, see the [AdvertisementFile](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.advertisementfile%28v=vs.100%29.aspx) member.

<Advertisements>

<Ad>

<ImageUrl>~/Images/image1.jpg</ImageUrl>

<height>60</height>

<width>190</width>

<NavigateUrl>http://www.microsoft.com</NavigateUrl>

<AlternateText>Microsoft Main Site</AlternateText>

<Impressions>80</Impressions>

<Keyword>Topic1</Keyword>

</Ad>

<Ad>

<ImageUrl>~/Images/image2.jpg</ImageUrl>

<height>90</height>

<width>90</width>

<NavigateUrl>http://www.wingtiptoys.com</NavigateUrl>

<AlternateText>Wingtip Toys</AlternateText>

<Impressions>80</Impressions>

<Keyword>Topic2</Keyword>

</Ad>

</Advertisements>

[Version Information](javascript:void(0))

**.NET Framework**

Supported in: 4, 3.5, 3.0, 2.0, 1.1, 1.0

[Platforms](javascript:void(0))

Windows 7, Windows Vista SP1 or later, Windows XP SP3, Windows XP SP2 x64 Edition, Windows Server 2008 (Server Core not supported), Windows Server 2008 R2 (Server Core supported with SP1 or later), Windows Server 2003 SP2

The .NET Framework does not support all versions of every platform. For a list of the supported versions, see [.NET Framework System Requirements](http://msdn.microsoft.com/en-us/library/8z6watww%28v=vs.100%29.aspx).

[Thread Safety](javascript:void(0))

Any public static (Shared in Visual Basic) members of this type are thread safe. Any instance members are not guaranteed to be thread safe.

[See Also](javascript:void(0))

**Reference**

[System.Web.UI.WebControls Namespace](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols%28v=vs.100%29.aspx)

[AdCreatedEventArgs](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adcreatedeventargs%28v=vs.100%29.aspx)

[AdCreatedEventHandler](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adcreatedeventhandler%28v=vs.100%29.aspx)

[AdvertisementFile](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.adrotator.advertisementfile%28v=vs.100%29.aspx)

**Other Resources**

[AdRotator Web Server Control Overview](http://msdn.microsoft.com/en-us/library/edx4dac3%28v=vs.100%29.aspx)