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.NET Framework Class Library


## Timer Members

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Performs asynchronous or synchronous Web page postbacks at a defined interval.
















The [Timer](#) type exposes the following members.









### Constructors











	Name	Description
	<a href="#">Timer</a>	Initializes a new instance of the <a href="#">Timer</a> class.

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### Methods








	Name	Description
	<a href="#">AddedControl</a>	Called after a child control is added to the <a href="#">Controls</a> collection of the <a href="#">Control</a> object. (Inherited from <a href="#">Control</a> .)
	<a href="#">AddParsedSubObject</a>	Notifies the server control that an element, either XML or HTML, was parsed, and adds the element to the server control's <a href="#">ControlCollection</a> object. (Inherited from <a href="#">Control</a> .)
	<a href="#">ApplyStyleSheetSkin</a>	Applies the style properties defined in the page style sheet to the control. (Inherited from <a href="#">Control</a> .)
	<a href="#">BuildProfileTree</a>	Infrastructure. Gathers information about the server control and delivers it to the <a href="#">Trace</a> property to be displayed when tracing is enabled for the page. (Inherited from <a href="#">Control</a> .)
	<a href="#">ClearChildControlState</a>	Deletes the control-state information for the server control's child controls. (Inherited from <a href="#">Control</a> .)
	<a href="#">ClearChildState</a>	Deletes the view-state and control-state information for all the server control's child controls. (Inherited from <a href="#">Control</a> .)
	<a href="#">ClearChildViewState</a>	Deletes the view-state information for all the server control's child controls. (Inherited from <a href="#">Control</a> .)
	<a href="#">CreateChildControls</a>	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 <a href="#">Control</a> .)
	<a href="#">CreateControlCollection</a>	Creates a new <a href="#">ControlCollection</a> object to hold the child controls (both literal and server) of the server control. (Inherited from <a href="#">Control</a> .)
	<a href="#">DataBind</a>	Overloaded.
	<a href="#">DataBindChildren</a>	Binds a data source to the server control's child controls. (Inherited from <a href="#">Control</a> .)
	<a href="#">Dispose</a>	Enables a server control to perform final clean up before it is released from memory. (Inherited from <a href="#">Control</a> .)
	<a href="#">EnsureChildControls</a>	Determines whether the server control contains child controls. If it does not, it creates child controls. (Inherited from <a href="#">Control</a> .)
	<a href="#">EnsureID</a>	Creates an identifier for controls that do not have an identifier assigned. (Inherited from <a href="#">Control</a> .)
	<a href="#">Equals</a>	Determines whether the specified <a href="#">Object</a> is equal to the current <a href="#">Object</a> . (Inherited from <a href="#">Object</a> .)
	<a href="#">Finalize</a>	Allows an <a href="#">Object</a> to attempt to free resources and perform other

		cleanup operations before the <a href="#">Object</a> is reclaimed by garbage collection. (Inherited from <a href="#">Object</a> .)
	<a href="#">FindControl</a>	Overloaded.
	<a href="#">Focus</a>	Sets input focus to a control. (Inherited from <a href="#">Control</a> .)
	<a href="#">GetDesignModeState</a>	Infrastructure. Gets design-time data for a control. (Inherited from <a href="#">Control</a> .)
	<a href="#">GetHashCode</a>	Serves as a hash function for a particular type. (Inherited from <a href="#">Object</a> .)
	<a href="#">GetScriptDescriptors</a>	Retrieves properties from a <a href="#">Timer</a> object that are passed to the client component that implements timer logic in the browser.
	<a href="#">GetScriptReferences</a>	Retrieves the client script for the <a href="#">Timer</a> control.
	<a href="#">GetType</a>	Gets the <a href="#">Type</a> of the current instance. (Inherited from <a href="#">Object</a> .)
	<a href="#">HasControls</a>	Determines if the server control contains any child controls. (Inherited from <a href="#">Control</a> .)
	<a href="#">HasEvents</a>	Returns a value indicating whether events are registered for the control or any child controls. (Inherited from <a href="#">Control</a> .)
	<a href="#">IsLiteralContent</a>	Infrastructure. Determines if the server control holds only literal content. (Inherited from <a href="#">Control</a> .)
	<a href="#">LoadControlState</a>	Restores control-state information from a previous page request that was saved by the <a href="#">SaveControlState</a> method. (Inherited from <a href="#">Control</a> .)
	<a href="#">LoadViewState</a>	Restores view-state information from a previous page request that was saved by the <a href="#">SaveViewState</a> method. (Inherited from <a href="#">Control</a> .)
	<a href="#">MapPathSecure</a>	Retrieves the physical path that a virtual path, either absolute or relative, maps to. (Inherited from <a href="#">Control</a> .)
	<a href="#">MemberwiseClone</a>	Creates a shallow copy of the current <a href="#">Object</a> . (Inherited from <a href="#">Object</a> .)
	<a href="#">OnBubbleEvent</a>	Determines whether the event for the server control is passed up the page's UI server control hierarchy. (Inherited from <a href="#">Control</a> .)
	<a href="#">OnDataBinding</a>	Raises the <a href="#">DataBinding</a> event. (Inherited from <a href="#">Control</a> .)
	<a href="#">OnInit</a>	Raises the <a href="#">Init</a> event. (Inherited from <a href="#">Control</a> .)
	<a href="#">OnLoad</a>	Raises the <a href="#">Load</a> event. (Inherited from <a href="#">Control</a> .)
	<a href="#">OnPreRender</a>	Raises the <a href="#">PreRender</a> event of the <a href="#">Timer</a> control. (Overrides <a href="#">Control.OnPreRender(EventArgs)</a> .)
	<a href="#">OnTick</a>	Raises the <a href="#">Tick</a> event of the <a href="#">Timer</a> control.
	<a href="#">OnUnload</a>	Raises the <a href="#">Unload</a> event. (Inherited from <a href="#">Control</a> .)
	<a href="#">OpenFile</a>	Gets a <a href="#">Stream</a> used to read a file. (Inherited from <a href="#">Control</a> .)
	<a href="#">RaiseBubbleEvent</a>	Assigns any sources of the event and its information to the control's parent. (Inherited from <a href="#">Control</a> .)
	<a href="#">RaisePostBackEvent</a>	Enables a <a href="#">Timer</a> control to raise the <a href="#">Tick</a> event when a page is posted to the server.
	<a href="#">RemovedControl</a>	Called after a child control is removed from the <a href="#">Controls</a> collection of the <a href="#">Control</a> object. (Inherited from <a href="#">Control</a> .)
	<a href="#">Render</a>	Renders the <a href="#">Timer</a> control content to the browser by using the specified <a href="#">HtmlTextWriter</a> object. (Overrides <a href="#">Control.Render(HtmlTextWriter)</a> .)
	<a href="#">RenderChildren</a>	Outputs the content of a server control's children to a provided <a href="#">HtmlTextWriter</a> object, which writes the content to be rendered on the client. (Inherited from <a href="#">Control</a> .)


	<a href="#">RenderControl</a>	Overloaded.
	<a href="#">ResolveAdapter</a>	Gets the control adapter responsible for rendering the specified control. (Inherited from <a href="#">Control</a> .)
	<a href="#">ResolveClientUrl</a>	Gets a URL that can be used by the browser. (Inherited from <a href="#">Control</a> .)
	<a href="#">ResolveUrl</a>	Converts a URL into one that is usable on the requesting client. (Inherited from <a href="#">Control</a> .)
	<a href="#">SaveControlState</a>	Saves any server control state changes that have occurred since the time the page was posted back to the server. (Inherited from <a href="#">Control</a> .)
	<a href="#">SaveViewState</a>	Saves any server control view-state changes that have occurred since the time the page was posted back to the server. (Inherited from <a href="#">Control</a> .)
	<a href="#">SetDesignModeState</a>	Sets design-time data for a control. (Inherited from <a href="#">Control</a> .)
	<a href="#">SetRenderMethodDelegate</a>	Infrastructure. Assigns an event handler delegate to render the server control and its content into its parent control. (Inherited from <a href="#">Control</a> .)
	<a href="#">ToString</a>	Returns a <a href="#">String</a> that represents the current <a href="#">Object</a> . (Inherited from <a href="#">Object</a> .)
	<a href="#">TrackViewState</a>	Causes tracking of view-state changes to the server control so they can be stored in the server control's <a href="#">StateBag</a> object. This object is accessible through the <a href="#">Control.ViewState</a> property. (Inherited from <a href="#">Control</a> .)

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## [-] Properties








	Name	Description
	<a href="#">Adapter</a>	Gets the browser-specific adapter for the control. (Inherited from <a href="#">Control</a> .)
	<a href="#">AppRelativeTemplateSourceDirectory</a>	Gets or sets the application-relative virtual directory of the <a href="#">Page</a> or <a href="#">UserControl</a> object that contains this control. (Inherited from <a href="#">Control</a> .)
	<a href="#">BindingContainer</a>	Infrastructure. Gets the control that contains this control's data binding. (Inherited from <a href="#">Control</a> .)
	<a href="#">ChildControlsCreated</a>	Gets a value that indicates whether the server control's child controls have been created. (Inherited from <a href="#">Control</a> .)
	<a href="#">ClientID</a>	Gets the server control identifier generated by ASP.NET. (Inherited from <a href="#">Control</a> .)
	<a href="#">ClientIDSeparator</a>	Gets a character value representing the separator character used in the <a href="#">ClientID</a> property. (Inherited from <a href="#">Control</a> .)
	<a href="#">Context</a>	Gets the <a href="#">HttpContext</a> object associated with the server control for the current Web request. (Inherited from <a href="#">Control</a> .)
	<a href="#">Controls</a>	Gets a <a href="#">ControlCollection</a> object that represents the child controls for a specified server control in the UI hierarchy. (Inherited from <a href="#">Control</a> .)
	<a href="#">DesignMode</a>	Gets a value indicating whether a control is being used on a design surface. (Inherited from <a href="#">Control</a> .)
	<a href="#">Enabled</a>	Gets or sets a value that indicates whether the <a href="#">Timer</a> control initiates a postback to the server after the number of milliseconds specified in the <a href="#">Interval</a> property

		has elapsed.
	<a href="#">EnableTheming</a>	Gets or sets a value indicating whether themes apply to this control. (Inherited from <a href="#">Control</a> .)
	<a href="#">EnableViewState</a>	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 <a href="#">Control</a> .)
	<a href="#">Events</a>	Gets a list of event handler delegates for the control. This property is read-only. (Inherited from <a href="#">Control</a> .)
	<a href="#">HasChildViewState</a>	Gets a value indicating whether the current server control's child controls have any saved view-state settings. (Inherited from <a href="#">Control</a> .)
	<a href="#">ID</a>	Gets or sets the programmatic identifier assigned to the server control. (Inherited from <a href="#">Control</a> .)
	<a href="#">IdSeparator</a>	Infrastructure. Gets the character used to separate control identifiers. (Inherited from <a href="#">Control</a> .)
	<a href="#">Interval</a>	Gets or sets the number of milliseconds to wait before initiating a postback.
	<a href="#">IsChildControlStateCleared</a>	Gets a value indicating whether controls contained within this control have control state. (Inherited from <a href="#">Control</a> .)
	<a href="#">IsTrackingViewState</a>	Gets a value that indicates whether the server control is saving changes to its view state. (Inherited from <a href="#">Control</a> .)
	<a href="#">IsViewStateEnabled</a>	Gets a value indicating whether view state is enabled for this control. (Inherited from <a href="#">Control</a> .)
	<a href="#">LoadViewStateByID</a>	Gets a value indicating whether the control participates in loading its view state by <a href="#">ID</a> instead of index. (Inherited from <a href="#">Control</a> .)
	<a href="#">NamingContainer</a>	Gets a reference to the server control's naming container, which creates a unique namespace for differentiating between server controls with the same <a href="#">Control.ID</a> property value. (Inherited from <a href="#">Control</a> .)
	<a href="#">Page</a>	Gets a reference to the <a href="#">Page</a> instance that contains the server control. (Inherited from <a href="#">Control</a> .)
	<a href="#">Parent</a>	Gets a reference to the server control's parent control in the page control hierarchy. (Inherited from <a href="#">Control</a> .)
	<a href="#">Site</a>	Gets information about the container that hosts the current control when rendered on a design surface. (Inherited from <a href="#">Control</a> .)
	<a href="#">SkinID</a>	Gets or sets the skin to apply to the control. (Inherited from <a href="#">Control</a> .)
	<a href="#">TemplateControl</a>	Gets or sets a reference to the template that contains this control. (Inherited from <a href="#">Control</a> .)
	<a href="#">TemplateSourceDirectory</a>	Gets the virtual directory of the <a href="#">Page</a> or <a href="#">UserControl</a> that contains the current server control. (Inherited from <a href="#">Control</a> .)
	<a href="#">UniqueID</a>	Gets the unique, hierarchically qualified identifier for the server control. (Inherited from <a href="#">Control</a> .)
	<a href="#">ViewState</a>	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 <a href="#">Control</a> .)
	<a href="#">ViewStateIgnoresCase</a>	Gets a value that indicates whether the <a href="#">StateBag</a> object is case-insensitive. (Inherited from <a href="#">Control</a> .)

	<a href="#">Visible</a>	Overrides the <a href="#">Visible</a> property of the <a href="#">Control</a> class to prevent this value from being set. (Overrides <a href="#">Control.Visible</a> .)
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## Events

	Name	Description
	<a href="#">DataBinding</a>	Occurs when the server control binds to a data source. (Inherited from <a href="#">Control</a> .)
	<a href="#">Disposed</a>	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 <a href="#">Control</a> .)
	<a href="#">Init</a>	Occurs when the server control is initialized, which is the first step in its lifecycle. (Inherited from <a href="#">Control</a> .)
	<a href="#">Load</a>	Occurs when the server control is loaded into the <a href="#">Page</a> object. (Inherited from <a href="#">Control</a> .)
	<a href="#">PreRender</a>	Occurs after the <a href="#">Control</a> object is loaded but prior to rendering. (Inherited from <a href="#">Control</a> .)
	<a href="#">Tick</a>	Occurs when the number of milliseconds specified in the <a href="#">Interval</a> property has elapsed and the page is posted to the server.
	<a href="#">Unload</a>	Occurs when the server control is unloaded from memory. (Inherited from <a href="#">Control</a> .)

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## Explicit Interface Implementations

	Name	Description
	<a href="#">IParserAccessor.AddParsedSubObject</a>	For a description of this member, see <a href="#">IParserAccessor.AddParsedSubObject</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IControlBuilderAccessor.ControlBuilder</a>	For a description of this member, see <a href="#">IControlBuilderAccessor.ControlBuilder</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IDataBindingsAccessor.DataBindings</a>	For a description of this member, see <a href="#">IDataBindingsAccessor.DataBindings</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IExpressionsAccessor.Expressions</a>	For a description of this member, see <a href="#">IExpressionsAccessor.Expressions</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IControlDesignerAccessor.GetDesignModeState</a>	For a description of this member, see <a href="#">IControlDesignerAccessor.GetDesignModeState</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IScriptControl.GetScriptDescriptors</a>	Retrieves properties from a <a href="#">Timer</a> object that are passed to the client component.
	<a href="#">IScriptControl.GetScriptReferences</a>	Retrieves the client script for the <a href="#">Timer</a> control.
	<a href="#">IDataBindingsAccessor.HasDataBindings</a>	For a description of this member, see <a href="#">IDataBindingsAccessor.HasDataBindings</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IExpressionsAccessor.HasExpressions</a>	For a description of this member, see <a href="#">IExpressionsAccessor.HasExpressions</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IPostBackEventHandler.RaisePostBackEvent</a>	Raises the <a href="#">Tick</a> event when a page is posted to

		the server.
	<a href="#">IControlDesignerAccessor.SetDesignModeState</a>	For a description of this member, see <a href="#">IControlDesignerAccessor.SetDesignModeState</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IControlDesignerAccessor.SetOwnerControl</a>	Infrastructure. For a description of this member, see <a href="#">IControlDesignerAccessor.SetOwnerControl</a> . (Inherited from <a href="#">Control</a> .)
	<a href="#">IControlDesignerAccessor.UserData</a>	For a description of this member, see <a href="#">IControlDesignerAccessor.UserData</a> . (Inherited from <a href="#">Control</a> .)

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## See Also

### Reference

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[System.Web.UI Namespace](#)

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