Legacy Controls NOTICE

This article references our legacy Web Forms Web Viewing controls (WebImageViewer, WebAnnotationViewer, WebThumbnailViewer). It is preserved for archival purposes, but support strongly recommends using our modern HTML5 web controls: WebDocumentViewer, WebDocumentThumbnailer instead.

INFO: WebDocumentViewer Whitepaper - Getting Started With Web Viewing

Main Article Content

atalaWebThumbnailViewer

Although this function is public, it is not intended for users to create WebThumbnailViewers on the client side directly. The server side generated HTML is needed for this function to initialize.

Properties

Server Name	JavaScript Syntax : Return value	Description
ClientID	**ID**() : **string**	Gets the server control identifier generated by ASP.NET.
N/A	**Form**() : **object**	Gets the form object that the Web server control is on.
AllowMultiSelect	**getAllowMultiSelect**() : **bool**	Gets a value that allows multiple thumbs to be selected using the shift or ctrl keys.
AllowDragDrop	**getAllowDragDrop**() : **bool**	Gets a value that allows thumbnails to be dragged and dropped inside the bounds of the control.
AutoDragDrop	**getAutoDragDrop**() : **bool**	Gets a value that determines whether thumbnail reordering

		will be automatically handled on the client-side.
BackColor	**getBackColor**() : **string** **setBackColor**(value: **string**)	Gets or sets the background color of the Web server control. Expected input: **string** representing a hex value or exact color name: '#ACFF00'
BorderColor	**getBorderColor**() : **string** **setBorderColor**(value: **string**)	Gets or sets the *inner* border color of the Web server control. Expected input: **string** representing a hex value or exact color name: '#ACFF00'
BorderStyle	**getBorderStyle**() : **string** **setBorderStyle**(value: **string**)	Gets or sets the *outer* border style used for this Web server control. Expected input: **string** representing CSS Style: '1px solid #FF9900'
BorderWidth	**getBorderWidth**() : **int** **setBorderWidth**(value: **int**)	Gets or sets the *inner* border width of the Web server control. Expected input: **int** representing the number of pixels wide.
BrowserFormat	**getBrowserFormat** : **int**	Gets the format of the images created for browser output. Returns an **int**: 0:Jpeg 1:Png 2:Gif 3:Auto
CachePath	**getCachePath**() : **string**	Gets the file path used for the file cache as specified in the Web.config file.
Caption	**getCaption**() : **string**	Gets or sets a **string** used for

	setCaption(value: **string**)	creating a caption under the Web server control. HTML syntax is allowed. **Note**: This property is tied to a hidden input tag, so changing this value to HTML in JavaScript could cause problems if the page needs to PostBack.
Centered	**getCentered**() : **bool** **setCentered**(value: **bool**)	Gets or sets a value indicating if the image is centered when the image is smaller than the Web server control.
Columns	**getColumns**() : **int** **setColumns**(value: **int**)	Gets or sets the number of columns (0 means auto)
N/A	**ClearThumbs**()	Clears all currently loaded thumbnails.
Columns	**getColumns**() : **int** **setColumns**(value: **int**)	Gets or sets the number of columns (0 means auto)
Count	**getCount**() : **int**	Gets the number of thumbnails.
FlowDirection	**getFlowDirection**() : **int**	Gets the FlowDirection enumeration for how the thumbnails are laid out.
Font	**getFont**() : **string** **setFont**(value: **string**)	Gets or sets the font name associated with the Web server control. Expected input: **string** representing font name: 'verdana'
ForeColor	**getForeColor**() : **string** **setForeColor**(value: **string**)	Gets or sets the foreground color (typically the color of the text) of the Web server control. Expected input: **string**

		representing a hex value or exact color name: '#ACFF00'
Height	**getHeight**() : **int** **setHeight**(value: **int**)	Gets or sets the height of the Web server control in pixels.
ImageDisplayOrder	**getImageDisplayOrder**() : **int**	Gets the order that thumbs are loaded.
Layout	**getLayout**() : **int**	Gets the Layout set on the server.
MouseTool	**getMouseToolLeft**() : **int** **getMouseToolRight**() : **int** **setMouseTool**(left: **int**, right: **int**)	Gets or sets the behavior of the mouse when interacting with the viewable area. Expected input: **MouseToolType** or **int** from 0-7, 0:None 1:Center 2:Selection 3:ZoomIn 4:ZoomOut 5:ZoomArea 6:Pan 7:PassThrough
MouseTool.Cursor	**getMouseToolCursor**() : **int** **setMouseToolCursor**(value : **int**)	Gets or sets the cursor used with the mouse tool. Expected input: **MouseToolCursor** or **int** from 0-8, 0:Auto 1:Arrow 2:Crosshair 3:Grab 4:Hand 5:Move 6:ZoomIn 7:ZoomOut 8:Custom **Note**: Currently, Grab is a CSS Extension supported by Mozilla based browsers only.
MouseTool.CustomCursor	**getMouseToolCustomCursor**() : **string** **setMouseToolCustomCursor**(value : **string**)	Gets or sets a value that represents the custom CSS style used for the MouseTool. Expected input: **string** representing Style: 'wait' or 'url(MyCursor.cur)' **Note**: Url based CSS cursor

		styles may not work in all browsers.
PathToResources	**getPathToResources**() : **string**	Gets the virtual path to where the image, script, and cursor files are located.
Rows	**getRows**() : **int** **setRows**(value: **int**)	Gets or sets the number of rows (0 means auto)
ScrollBarVisibility	**getScrollBarVisibility**() : **int** **setScrollBarVisibility**(value : **int**)	Gets or sets the visibility of the scrollbars. Expected input: **ScrollBarVisibility** or **int**: 0:Dynamic 1:None 2:Always
ScrollPosition	**getScrollPosition**() : **atalaPoint** **setScrollPosition**(value : **atalaPoint**)	Gets or sets the upper left image position in relation to the upper left corner of the Web server control. Expected input: **atalaPoint**
SearchPattern	**getSearchPattern**() : **string** **setSearchPattern**(value: **string**)	Gets or sets a semi-colon separated list of file search patterns for loading images from a directory.
SelectedIndex	**getSelectedIndex**() : **int**	Gets the index of the selected thumbnail. If AllowMultiSelect is true, it has the index of the most recently selected thumb.
SelectedIndexes	**getSelectedIndexes**(): **Array**	Gets an array of integers which are the indexes selected in the thumbnail control. If AllowMultiSelect is false, this array will have an length of 1, and contain the same index as SeletedIndex. If AllowMultiSelect is true, it will have a list of all of the selected thumbs in the order they were selected.

N/A	**getThumbCaption**(value: **int**) : **string**	Gets the caption for the thumbnail at the specified index.
ThumbCaptionFormat	**getThumbCaptionFormat**() : **string**	Gets the caption format specified on the server side.
N/A	**getThumbOrder**() : **Array**	Gets an array of integers which correspond to the thumbnails in the thumbnail control. As DragDrop events occur, this array will reorder itself to correspond to the positions of the thumbnails in the control. **Note:** This function is only meant to be called when AutoDragDrop is enabled. If the value is set to false, this function will throw an exception.
ThumbPadding	**getThumbPadding**() : **int**	Gets the number of pixels around each thumbnail.
ThumbSize	**getThumbSize**() : **atalaSize**	Gets the size of each thumbnail.
ThumbSpacing	**getThumbSpacing**() : **int**	Gets the number of pixels between thumbs.
TitleBar	**getTitleBar**() : **string** **setTitleBar**(value: **string**)	Gets or sets a string used for a creating a title bar above the Web server control. HTML syntax is allowed. **Note**: This property is tied to a hidden input tag, so changing this value to HTML in JavaScript could cause problems if the page needs to PostBack.
Url	**getUrl**() : **string**	Gets the URL representing the current image.

ViewerID	**getViewerID**() : **string**	Gets the ID of the WebImageViewer associated with this control.
ViewPortSize	**getViewPortSize**() : **atalaSize**	Gets the size of the viewable area, excluding scroll bars.
Visibility	**getVisibility**() : **string** **setVisibility**(value: **string**)	Gets or sets a value that indicates whether the Web server control is hidden or visible on the page. Expected input: **string** that is either 'hidden', 'visible', or 'inherit'. **Note**: 'inherit' will return VisibilityStyle.Visible on the server side.
Width	**getWidth**() : **int** **setWidth**(value: **int**)	Gets or sets the CSS width style property of the server control. Expected input: **string** representing style width: '200px'
Zoom	**getZoom**() : **float** **setZoom**(value : **float**)	Gets or sets the zoom level of the thumbnails in relation to their original size, for this Web server control.

Events

Server Name	JavaScript Syntax	Description
N/A	**BackColorChanged** = function()	Fired when the BackColor property changes.
N/A	**BorderColorChanged** = function()	Fired when the BorderColor property changes.
N/A	**BorderStyleChanged** = function()	Fired when the BorderStyle property changes.
N/A	**BorderWidthChanged** =	Fired when the BorderWidth

	function()	property changes.
N/A	**CaptionChanged** = function()	Fired when the Caption property changes.
CenteredChanged	**CenteredChanged** = function()	Fired when the Centered property changes.
N/A	**CountChanged** = function()	Fired when the number of thumbnails changes.
N/A	**FontChanged** = function()	Fired when the Font property changes.
N/A	**ForeColorChanged** = function()	Fired when the ForeColor property changes.
N/A	**MouseToolChanged** = function()	Fired when the MouseTool property has changed.
N/A	**ScrollPositionChanged** = function()	Fired when the scroll position changes.
N/A	**SelectedIndexChanged** = function()	Fired when the selected thumbnail changes.
N/A	**SizeChanged** = function()	Fired when the size changes.
N/A	**TitleBarChanged** = function()	Fired when the title bar changes.
N/A	**UrlChanged** = function()	Fired when the URL changes.
N/A	**VisibilityChanged** = function()	Fired when the Visibility property changes.
N/A	**ZoomChanged** = function()	Fired when the Zoom property has changed.
Thumbnail Events	**Note**: These events pertain to all thumbnails, and attempt to pass a **ThumbnailEvent** or **ThumbnailDropEvent** object to the function.	
N/A	**ThumbnailClicked** = function(e)	Fires when the thumb is clicked. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailDoubleClicked** = function(e)	Fires when the thumb is double clicked. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailMouseDown** = function(e)	Fires when a mouse button is pressed down on the thumb.

		Passes a **ThumbnailEvent** object.
N/A	**ThumbnailMouseDownLeft** = function(e)	Fires when the when the left mouse button is pressed down on the thumb. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailMouseDownRight** = function(e)	Fires when the when the right mouse button is pressed down on the thumb. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailMouseMove** = function(e)	Fires when the mouse cursor moves over the thumb. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailMouseOut** = function(e)	Fires when the mouse cursor leaves the thumb bounding box. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailMouseOver** = function(e)	Fires when the mouse cursor enters the thumb bounding box. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailMouseUp** = function(e)	Fires when a mouse button is released on the thumb. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailRightClicked** = function(e)	Fires when the thumb is right clicked. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailLoaded** = function(e)	Fires when the image part of the thumbnail has finished loading. Passes a **ThumbnailEvent** object.
N/A	**ThumbnailDrop** = function(e)	Fires when a thumbnail has been dragged and dropped to a new location. Passes a **ThumbnailDropEvent** object.

N/A	**ThumbnailDropServer** = function(e)	Fires after the server has has been notified of a drag-drop operation. Passes a **ThumbnailDropEvent** object.
Key Events	**Note**: The control must have focus for these events to fire. You can programmatically set focus to this control by calling **Focus()**. These events also attempt to pass a **ThumbnailKeyEvent** object to the function.	
N/A	**KeyDown** = function(e)	Fires when a key is pressed down, if the control has focus. Passes a **ThumbnailKeyEvent** object.
N/A	**KeyUp** = function(e)	Fires when a key is released, if the control has focus. Passes a **ThumbnailKeyEvent** object.
N/A	**KeyPress** = function(e)	Fires when a key is pressed down, and then released, if the control has focus. Passes a **ThumbnailKeyEvent** object.

Methods

Server Name	JavaScript Syntax	Description
N/A	**Focus**()	Puts focus on the WebThumbnailViewer, used to enable key events.
N/A	**Invalidate**()	Forces the WebThumbnailViewer to re-position child objects.
OpenUrl	**OpenUrl**(url: **string**) **OpenUrl**(dir: **string**, searchPattern: **string**)	Opens a URL. If the URL is an image, searchPattern should not be passed. If the URL is a directory, pass a searchPattern to use to match files (Use "*.*" to

		match all files). searchPattern expected input: **string** with semi-colon delimited search patterns (ex: "*.*", "*.tif;*.jpg". "*.gif")
N/A	**PauseRefresh**()	Pauses UI updates for this control until ResumeRefresh is called. Pauses and Refreshes are nestable. The update happens when an equal number of ResumeRefresh and PauseRefresh calls are made.
N/A	**ResumeRefresh**()	Resumes paused UI updates for this control. Pauses and Refreshes are nestable. The update happens when an equal number of ResumeRefresh and PauseRefresh calls are made.
SelectedIndex	**SelectThumb**(index: **int**)	Selects the thumbnail at the corresponding index (starting at 0)
N/A	**Update**()	Forces the control to update thumbnails.
N/A	**UpdateThumb**(index: **int**)	Forces the control to update the thumbnail at the corresponding index (starting at 0)

ThumbnailEvent

This object is based on the browser's mouse event object, where applicable. The following properties are in addition to the properties that are specified by each individual browser.

Usage:

JavaScript

```
/* You will need a WebThumbnailViewer and a reference to ClientTools.js before this snippet.
* This reference is automatically added to the page inline with the WebControls, * so placing
this snippet below the WebThumbnailViewer control will be sufficient. */
Atalasoft.Utils.InitClientScript(BindThumbnailMouseEvents); function
BindThumbnailMouseEvents(){ WebThumbnailViewer1.ThumbnailDoubleClicked =
ThumbnailMouseEventExample; WebThumbnailViewer1.ThumbnailRightClicked =
ThumbnailMouseEventExample; } // This simple example alerts the user when a thumbnail is
double or right clicked. function ThumbnailMouseEventExample(e){ alert(e.name + ' event fired
on thumbnail at index ' + e.index); }
```

Server Name	JavaScript Syntax : Return value	Description
N/A	**index** : **int**	The zero based index of the thumbnail that this event is firing on.
N/A	**name** : **string**	The name of the event that is being fired.
N/A	**type** : **string**	The browser's event type that this event is based on, if any. Ex: 'mouseover'.

ThumbnailDropEvent

This object is based on the browser's mouse event object. The following properties are in addition to the properties that are specified by each individual browser.

Usage:

JavaScript

```
/* You will need a WebThumbnailViewer and a reference to ClientTools.js before this snippet.
* This reference is automatically added to the page inline with the WebControls, * so placing
this snippet below the WebThumbnailViewer control will be sufficient. */
Atalasoft.Utils.InitClientScript(BindDropEvent); function BindDropEvent(){
```

```
WebThumbnailViewer1.ThumbnailDrop = ThumbnailDropped; } // This simple example alerts the user when a thumbnail is dragged and dropped. function ThumbnailDropped(e){ alert('Thumbnail dragged from index: ' + e.dragIndex + ' was dropped to index: ' + e.dropIndex); }
```

Server Name	JavaScript Syntax : Return value	Description
N/A	**dragIndex** : **int**	The zero based index of the thumbnail, in relation to where it was dragged from.
N/A	**dropIndex** : **int**	The zero based index of the thumbnail, in relation to where it was dropped.
N/A	**name** : **string**	The name of the event that is being fired.

ThumbnailKeyEvent

This object is based on the browser's key event object. The following properties are in addition to the properties that are specified by each individual browser (unless otherwise specified).

Usage:

JavaScript

```
/* You will need a WebThumbnailViewer and a reference to ClientTools.js before this snippet. * This reference is automatically added to the page inline with the WebControls, * so placing this snippet below the WebThumbnailViewer control will be sufficient. */ Atalasoft.Utils.InitClientScript(BindThumbnailKeyEvents); function BindThumbnailKeyEvents(){ WebThumbnailViewer1.KeyDown = ThumbnailKeyEventExample; WebThumbnailViewer1.Focus(); } // Binds the up and down arrow keys to select previous and next thumbnails // NOTE: the keyCodes used in this example were tested in Internet Explorer, FireFox, // Safari, and Chrome. The keyCodes for other browsers may be different. function ThumbnailKeyEventExample(e){ // Get the keyCode for the key that was pressed var myKeyCode = e.keyCode; var n = WebThumbnailViewer1.getSelectedIndex(); var c = WebThumbnailViewer1.getCount(); if (myKeyCode == 38){ // up arrow was pressed, subtract one from SelectedIndex, and check lower bounds n = (n - 1 >= 0) ? n - 1 : 0; // select the previous thumbnail WebThumbnailViewer1.SelectThumb(n); // stop the default KeyUp action of scrolling, by returning false returnfalse; } elseif (myKeyCode == 40){ // down arrow was pressed, add one to SelectedIndex, and check upper bounds n = (n + 1 < c) ? n + 1 : c - 1; // select the next
```

```
thumbnail WebThumbnailViewer1.SelectThumb(n); // stop the default KeyUp action of scrolling,
by returning false returnfalse; } }
```

Properties

Server Name	JavaScript Syntax : Return value	Description
N/A	**altKey** : **bool**	Returns true if the alt key is pressed in combination with this key event, false otherwise.
N/A	**ctrlKey** : **bool**	Returns true if the ctrl key is pressed in combination with this key event, false otherwise.
N/A	**keyCode** : **int**	The browser's specific key code for keyup or keydown typed events, returns ASCII code on keypress typed events. **Note**: This property is populated by the browser, and may not be the same value across all browsers.
N/A	**shiftKey** : **bool**	Returns true if the shift key is pressed in combination with this key event, false otherwise.
N/A	**name** : **string**	The name of the event that is being fired.
N/A	**type** : **string**	The browser's key event type that this event is based on. Ex: 'keyup'.

Original Article

Q10356 - INFO: WebThumbnailviewer - JavaScript API Reference (Legacy Web Controls)

Last Update

2026-11-23 - TD - (removed bogus "copy code" bits)

Atalasoft Knowledge Base
https://www.atalasoft.com/kb2/KB/50131/INFO-WebThumbnailviewer-JavaScript-A...