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

atalaWebImageViewer

Although this function is public, it is not intended for users to create WebImageViewers 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.
AntialiasDisplay	**getAntialiasDisplay**() : **int** **setAntialiasDisplay**(value : **int**)	Gets or sets the quality of the scaled image. Expected input: **AntialiasDisplayMode** or **int** from 0-3, 0:None 1:ScaleToGray 2:ReductionOnly 3:Full
AutoZoom	**getAutoZoom**() : **int** **setAutoZoom**(value : **int**)	Gets or sets a value indicating how the image should be zoomed as the

		control is resized or the image size changes. This will override setZoom. For a one time zoom, see setZoomMode. Expected input: **AutoZoomMode** or **int** from 0-5, 0:None 1:BestFit 2:BestFitShrinkOnly 3:FitToWidth 4:FitToHeight 5:FitToImage
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 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 border style used for this Web server control. Expected input: **string** representing Style: '1px solid #FF9900'
BorderWidth	**getBorderWidth**() : **int** **setBorderWidth**(value : **int**)	Gets or sets the border width of the Web server control in pixels.
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** **setCaption**(value : **string**)	Gets or sets a **string** used for 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.
N/A	**getDisplayImageUrl**() : **string**	Gets a url that will return the current viewable portion of the image. Often used for printing the current area of the image.
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'
N/A	**getFrameIndex**() : **int**	Gets the index value used to open the current image. **Note**: If the image has been modified with a server side ApplyCommand, or has been opened from a method other than OpenUrl or a linked WebThumbnailViewer, this will always return 0.
Height	**getHeight**() : **string** **setHeight**(value : **string**)	Gets or sets the CSS height style property of the server control. Expected input: **string** representing style height: '320px'
ImageDisplayOrder	**getImageDisplayOrder**() : **int**	Gets the order that tiles are loaded. Returns an **int**: 0:Sequential 1:VisibleFirst 2:OnDemand
Image.Size	**getImageSize**() : **atalaSize**	Gets the size, in pixels, of the current image.
N/A	**getImageUrl**() : **string**	Gets the currently loaded image url.
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.
N/A	**getReturnValue**() : **var**	Gets the return value populated by the last successful RemoteInvoke.
ImagePosition	**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. Negative values are expected. Expected input: **atalaPoint**
ScrollBarVisibility	**getScrollBarVisibility**() : **int**	Gets the visibility of the scrollbars.

		Returns an **int**: 0:Dynamic 1:None 2:Always
Selection	**getSelection**() : **Selection**	Gets the **Selection** object of this Web server control.
TileSize	**getTileSize**() : **atalaSize**	Gets the height and width of the tiles in pixels.
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.
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**() : **string** **setWidth**(value : **string**)	Gets or sets the CSS width style property of the server control. Expected input: **string** representing style width: '200px'
Zoom	**getZoom**() : **float**	Gets or sets the zoom level of

	setZoom(value : **float**)	the image in this Web server control.
ZoomInOutPercentage	**getZoomInOutPercentage**() : **int** **setZoomInOutPercentage**(value : **int**)	Gets or sets the percentage used to increase or decrease the zoom level when the zoom MouseTools are used.

Events

Server Name	JavaScript Syntax	Description
N/A	**AntialiasDisplayChanged** = function()	Fires when the AntialiasDisplay property has changed.
N/A	**AutoZoomChanged** = function()	Fires when the AutoZoom property has changed.
N/A	**BackColorChanged** = function()	Fires when the BackColor property has changed.
N/A	**BorderColorChanged** = function()	Fires when the BorderColor property has changed.
N/A	**BorderStyleChanged** = function()	Fires when the BorderStyle property has changed.
N/A	**BorderWidthChanged** = function()	Fires when the BorderWidth property has changed.
N/A	**CaptionChanged** = function()	Fires when the Caption property has changed.
CenteredChanged	**CenteredChanged** = function()	Fires when the Centered property has changed.
N/A	**FontChanged** = function()	Fires when the Font property has changed.
N/A	**ForeColorChanged** = function()	Fires when the ForeColor property has changed.
ImageChanged	**ImageChanged** = function()	Fires when the Image has changed.
N/A	**ImageSizeChanged** = function()	Fires when the Image changes size.
N/A	**MouseToolChanged** =	Fires when the MouseTool

	function()	property has changed.
RemoteInvoked	**RemoteInvoked** = function()	Fires when the RemoteInvoke function is called.
ImagePositionChanged	**ScrollPositionChanged** = function()	Fires when the ScrollPosition has changed
SelectionChanged	**SelectionChanged** = function()	Fires when the Selection has changed.
N/A	**SizeChanged** = function()	Fires when the Size property has changed.
N/A	**TitleBarChanged** = function()	Fires when the TitleBar property has changed.
N/A	**VisibilityChanged** = function()	Fires when the Visibility property has changed.
N/A	**ZoomChanged** = function()	Fires when the Zoom property has changed.
N/A	**ZoomInOutPercentageChanged** = function()	Fires when the ZoomInOutPercentage property has changed.
Mouse Events	**Note**: All of these events pertain to the underlying image only, and attempt to pass a **ImageMouseEvent**object to the function.	
N/A	**Clicked** = function(e)	Fires when the image is clicked. Passes an **ImageMouseEvent** object.
N/A	**DoubleClicked** = function(e)	Fires when the image is double clicked. Passes an **ImageMouseEvent** object.
N/A	**MouseDown** = function(e)	Fires when a mouse button is pressed down on the image. Passes an **ImageMouseEvent** object.
N/A	**MouseDownLeft** = function(e)	Fires when the when the left mouse button is pressed down. Passes an **ImageMouseEvent** object.
N/A	**MouseDownRight** =	Fires when the when the right

	function(e)	mouse button is pressed down. Passes an **ImageMouseEvent** object.
N/A	**MouseMove** = function(e)	Fires when the mouse cursor moves over the image. Passes an **ImageMouseEvent** object.
N/A	**MouseOut** = function(e)	Fires when the mouse cursor leaves the image area. Passes an **ImageMouseEvent** object.
N/A	**MouseOver** = function(e)	Fires when the mouse cursor enters the image area. Passes an **ImageMouseEvent** object.
N/A	**MouseUp** = function(e)	Fires when a mouse button is released on the image. Passes an **ImageMouseEvent** object.
N/A	**RightClicked** = function(e)	Fires when the image is right clicked. Passes an **ImageMouseEvent** 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 **ImageKeyEvent** object to the function.	
N/A	**KeyDown** = function(e)	Fires when a key is pressed down, if the control has focus. Passes an **ImageKeyEvent** object.
N/A	**KeyUp** = function(e)	Fires when a key is released, if the control has focus. Passes an **ImageKeyEvent** object.
N/A	**KeyPress** = function(e)	Fires when a key is pressed down, and then released, if the control has focus. Passes an **ImageKeyEvent**object.

Methods

Server Name	JavaScript Syntax	Description
N/A	**ClearImage**()	Clears the image from client side only, used to return to a blank state.
N/A	**Focus**()	Puts focus on the WebImageViewer, used to enable key events.
N/A	**Invalidate**()	Forces the WebImageViewer to re-position child objects.
OpenUrl	**OpenUrl**(url: **string**) **OpenUrl**(url: **string**, index: **int**)	Opens an image into the WebImageViewer control from a URL or virtual path, and frame index. **Note**: This function is asynchronous. If any code needs to be executed after this call, it should be placed in the ImageChanged event handler.
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.
Print	**Print**()	Prints the current image using javascript client code.
Redo	**Redo**()	Re-does an undo.
Invoke	**RemoteInvoke**(mthd : **string**) **RemoteInvoke**(mthd : **string**, args : **Array**)	Remotely invokes a server side method with the array of arguments.

		Note: This function is asynchronous. If any code needs to be executed after this call, it should be placed in the RemoteInvoked event handler.
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.
N/A	**ScrollBy**(dx : **int**, dy : **int**)	Scrolls the viewer by the given values.
N/A	**ScrollTo**(x: **int**, y: **int**)	Scrolls the viewer to the given coordinates.
N/A	**setZoomMode**(value : **int**)	Zoom the image once, according to the given **AutoZoomMode**. Expected input: **AutoZoomMode** or **int** from 0-5, 0:None 1:BestFit 2:BestFitShrinkOnly 3:FitToWidth 4:FitToHeight 5:FitToImage
Undo	**Undo**()	Reverts the image back to the previously cached image. **Note**: This function is limited to Image changes only. The number of available undos relies on the server side CacheLevels property of the control.
Update	**Update**()	Forces the current image to be cached and updates the

		viewable area.

ImageMouseEvent

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 WebImageViewer 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 WebImageViewer control will be sufficient. */
Atalasoft.Utils.InitClientScript(BindImageMouseEvents); function BindImageMouseEvents(){
WebImageViewer1.DoubleClicked = ImageMouseEventExample; WebImageViewer1.RightClicked =
ImageMouseEventExample; } // This simple example alerts the user when the image is double or
right clicked. function ImageMouseEventExample(e){ var mousePos =
Atalasoft.Utils.getMousePosition(e); alert(e.name + ' event fired on the image at ' +
mousePos.X + 'x' + mousePos.Y); }
```

Server Name	JavaScript Syntax : Return value	Description
N/A	**name** : **string**	The name of the event that is being fired.
N/A	**type** : **string**	The browser's mouse event type that this event is based on. Ex: 'mouseover'.

ImageKeyEvent

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).

INFO: WebImageViewer - JavaScript API Reference (Legacy Web Controls)

Usage:

JavaScript

```
/* You will need a WebImageViewer 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 WebImageViewer control will be sufficient. */
Atalasoft.Utils.InitClientScript(BindImageKeyEvents); function BindImageKeyEvents(){
WebImageViewer1.KeyDown = ImageKeyEventExample; WebImageViewer1.Focus(); } // This simple
example alerts the user when a key is pressed down while thw WebImageViewer has focus.
function ImageKeyEventExample(e){ alert('KeyCode: ' + e.keyCode + ' pressed down.'); }
```

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'.

Selection

The Selection object is internal to the atalaWebImageViewer object.

Properties

Server Name	JavaScript Syntax : Return value	Description
Animated	**getAnimated**() : **bool** **setAnimated**(value : **bool**)	Gets or sets a value that indicates whether the selection will animate or not.
AutoPostBack	**getAutoPostBack**() : **bool** **setAutoPostBack**(value : **bool**)	Gets or sets a value that indicates whether the selection will automatically post back when it has changed on the client side.
BackColor	**getBackColor**() : **string** **setBackColor**(value : **string**)	Gets or sets a **string** that represents the color behind the dashed line.
ForeColor	**getForeColor**() : **string** **setForeColor**(value : **string**)	Gets or sets a **string** that represents the color of the dashed line.
Height	**getHeight**() : **int** **setHeight**(value : **int**)	Gets or sets the height of the selection.
Movable	**getMovable**() : **bool** **setMovable**(value : **bool**)	Gets or sets a value that indicates whether the selection can be moved after it is drawn.
MultiColor	**getMultiColor**() : **bool**	Gets or sets a value

	setMultiColor(value : **bool**)	indicating if the selection is a solid or dashed line.
Position	**getPosition**() : **atalaPoint** **setPosition**(value : **atalaPoint**)	Gets or sets the position of the selection.
Resizable	**getResizable**() : **bool** **setResizable**(value : **bool**)	Gets or sets a value that indicating whether the selection can resize after it is drawn.
ShowGrips	**getShowGrips**() : **bool** **setShowGrips**(value : **bool**)	Gets or sets a value that indicating whether the grips of the selection are visible.
ShowTooltip	**getShowTooltip**() : **bool** **setShowTooltip**(value : **bool**)	Gets or sets a value that indicating whether the tooltip is drawn while the selection is drawn.
Size	**getSize**() : **atalaSize** **setSize**(value : **atalaSize**)	Gets or sets the size of the selection.
Visibility	**getVisibility**() : **bool** **setVisibility**(value : **string**)	Gets or sets a value indicating if the selection is hidden or visible.
Width	**getWidth**() : **int** **setWidth**(value : **int**)	Gets or sets the width of the selection.

Events

Server Name	JavaScript Syntax	Description
N/A	**Changing** = function	Fires while the selection is being modified through mouse movement.
RubberBandChanged	**Changed** = function	Fires when the selection has finished being modified.

Original Article

Q10355 - INFO: WebImageViewer - JavaScript API Reference (Legacy Web Controls)

Last Update

2026-11-23 - TD - (Removed Copy Code links)

Atalasoft Knowledge Base
https://www.atalasoft.com/kb2/KB/50132/INFO-WebImageViewer-JavaScript-API-R...