# Index

# System Objects

 $\circ$  book

Attributes

Name	Туре	Default
barpos	See description	25

May be used to change the position of the navigation bar. If a number alone is specified it determines the distance of the bar to the bottom end of the pages. Additionally a 'top' may precede the number, in which case the bar is put above the pages. The number is, again, the distance between bar and the pages' top edge. E.g.: barpos="top 10" would place the bar above the pages and leave a spacing of ten pixels.

bgcolor ]-infty, infty[	0xCCCCCC
-------------------------	----------

The default background color for pages in the book. Can be an ARGB or RGB value. While the number may be in any format parseable by ActionScript, it is recommended for readabilities sake to use a hexadecimal formatted value. Hexadecimal values are marked by prefixing them with 0x. Note that using many transparent pages next to each other, causing a deep level of transparency and thus many visible pages, can reduce performance significantly.

{false, true}	true
	{false, true}

Determines whether to show the gradient in the background below the book or not.

buttoncol	ors	See description
litonicoi	015	See description

This attribute allow to define custom colors for page buttons, for buttons representing pages being the start of a chapter or having an anchor id. The format is:

/what:color[,what:color]/, what:={"chapter","anchor"}, color:=[0x000000,0xFFFFF] Some examples:

- chapter:0xFF0000, makes all chapter buttons red.
- anchor:0x00FF00, makes all anchor buttons green.
- chapter:0x0000FF, anchor:0x999999, makes all chapter buttons blue and all anchor buttons gray.

centercovers	{false, true}	true

Determines whether to center the book if a cover page is displayed (i.e. the first or last page).

cornerhint	{false, true}	true

Name	Туре	Default
	show the corner hinting, to let until a user clicks somewhere, be	
dragkeepdist	[1, pagewidth]	auto
The distance to keep to the bor width / 16.	der a drag started from, to avoid	d glitches. Defaults to page
dragrange	[1, pagewidth]	auto
	de which auto dragging starts (w gers a page turn or drag. Default	
dragspeed	]0, 1]	0.25
The speed of pages while dragged or turning. Higher values mean faster page movement / turning. 1 means instant, i.e. the page turn animation is skipped and while dragging the page is always next to the cursor.		
errorlevel	See description	ERROR WARNING
The error levels which are printed in the console (opened by pressing #). Levels are: ERROR, WARNING and NOTICE. Can be combined by using the binary-or operator ( ). E.g <book errorlevel="ERROR"> would print out all fatal errors in the console, but suppress notices and warning. ALL is a shortcut for ERROR   WARNING   NOTICE and the default value.</book>		
foldfx	[0, 1]	0.5
The default alpha value of fold 1 means 100% opaque.	ing effects for pages. If set to zero	o folding effects are turned off,
handcursor	{false, true}	false
Determines whether to use the default hand cursor (that is also used for links, e.g.), instead of the custom arrow cursors from the interface.swf, when hovering areas that trigger a page drag or turn.		
hidebuttons	{first, fullscreen, help, goto, language, last, mute, next, prev, settings, slideshow}	
All buttons listed here will <i>not</i> be shown in the navigation. Separate entries with a blank. Invalid values will be ignored. first = go to first page, last = go to last page, slideshow = start or pause slideshow, settings = open settings, fullscreen = fullscreen and restore, goto = goto page dialog, mute		

= mute and unmute, next = next page, prev previous page, help = show help, language =

Name	Туре	Default
language chooser		
ignoresides	{false, true}	false
corners will be used. This will o	ook's pages wont be used to trigg pen the side areas for interactivi interactivity such as forms you r pace for, say, buttons.	ity with the pages' contents,
ignoresyslang	{false, true}	false
	ge of the user opening the book ge, but instead the first entry in	_
instantjumpcount	[0, infty[	5
	be turned (via navigation or othe tantly, meaning without animat	
lang	String	en
separated by commas (e.g. "en, language. If the system languag in the list it will be used as the o names lang.LANG_ID.xml from	for the GUI tool tips and texts. T ,de,it"). The first entry in the list ge (i.e. the language set in the op default language. The engine att in the same directory as the mega e are specified the engine tries to	will be used as the default perating system of the user) is cempts to load files with the dzine.swf file. At least one
langpath	URL	
Path relative to the engine to a the corresponding flag images.	folder containing localization fil	es, i.e. lang.xx.xml files and
langwarn	{false, true}	false
Determines whether to show w are to be shown, the text will re	varning strings if a localization ca emain blank.	nnot be found. If no warnings
loadparallel	[1, infty[	4
The number of elements to loa	d at a time.	
lowqualitycount	[0, infty[	2
	be turned at once before falling l single page is turned, quality cha	

Name Type D	efault
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all page turning animations have finished, quality is restored to best.

ltr	{false, true}	true
	[14156] (146]	titite

Determines the reading order of the book. Left to right reading order (default) means the first page is the leftmost one (topmost in XML), right to left reading order the rightmost one (lowermost in XML). This also effects how the startpage attribute works (left to right: count from the left, right to left: count from the right), as well as the direction of the slideshow.

The maximum number of pages that may be present in memory at a time. I.e. only this number of pages will be loaded, and after that new pages will only be loaded after changing the current page. Then the pages left and right to the current one will be loaded until this many pages are present in memory again - pages "further away" than half of this number will be unloaded (removed from memory). This helps books with a lot of content such as catalogs to not use so much memory (RAM) at a time. It also reduces bandwidth consumption, because only the necessary pages are loaded - plus some more, so that the used does not have to wait after every page change.

For values greater than 0 books with that many pages or less all pages will be loaded and kept in memory. In case 0 is given, all pages of the book will be loaded to memory, regardless of how many pages there are.

This value represents the number *single* pages loaded to memory. In case of the default value (22) the current double page (2) and five more double pages to each the left and the right (2\*10) will be loaded.

One final remark: Flash caches data once it was loaded on the local drive, which means that once a page has been loaded it will be afterwards be loaded from disk, even if it was removed from memory. It will therefore be displayed again almost immediately, and no additional bandwidth will be used.

navigation	{false, true}	true
navigation	[laise, trac]	truc

Determines whether to show page navigation/control bar (below pages).

openhelp	{always, once, never}	false
- F F	(	

Determines when to automatically show the help window. always will always open the help window when the engine is loaded. once opens it only the first time the user visits the homepage. never will not automatically open the help window, the user will have to open it himself via the navigation.

pagewidth	[1, infty[	275
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The width of a page in pixels. Content overflowing a page is cut off and not rendered.

pageheight [1, infty] 4	100
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Name	Туре	Default
The height of a page in pixels. C	content overflowing a page is cu	t off and not rendered.
pagenumbers	{false, true}	true
Show the numbers of the pages	s currently visible to the left and	right of the pagination.
pageoffset	]-infty, infty[	0
	page numbers. This can be used pages) with page numbers displa bers below the pages will be 'or	ayed on images used on the
pagesounds	{false, true}	true
Play sounds when dragging / tu	rning pages.	
password	String	
An password that has to be entr IS READABLE IN PLAIN TEXT IN T Use this only for lowest level sa HTTP server, or an equivalent m	THE XML FILE (AND IT IS QUITE E fety. Otherwise use an .htaccess	ASY TO GET THE XML'S URL).
postpage	URL	
If given, the image from this URL is loaded and displayed to the right of the back cover page. Together with the prepage attribute this can be used to create the effect of fixed covers, i.e. an 'always open' book e.g. (if prepage and postpage represent the inner sides of the cover)		
prepage	URL	
If given, the image from this UR be used to display instructions o	L is loaded and displayed to the on how to use MegaZine for use	
reflection	{false, true}	false
Default on/off state of the page	e reflections.	
shadows	[-1,1]	0.25
The intensity of the shadow and absolute value is the intensity, If negative the effects are initial value of the given value. E.g0. menu they'd have the intensity	higher is stronger. If set to 0 tho ly disabled, but if enabled have .5 would initially disable the effe	se effects are initially disabled. the intensity of the absolute

slidedelay	[0, infty[	5

Name	Туре	Default	
The wait time in seconds, when using the slideshow (how long a double page is displayed). Can be overwritten by chapters and pages.			
soundcount	String	"3,2,5,1,1"	
	page turn sounds of each type t . The order is as follows: drag, re		
startpage	[0, infty[	0	
The default starting page, i.e. w	which page is displayed when the	e book is loaded.	
startslide	{false, true}	false	
Determines whether to automa	atically start the slideshow when	the book is loaded or not.	
thumbauto	{false, true}	false	
slightly diminishes performance waste of bandwidth. If deactive thumbnails that should current navigation). Generally pages or	es). This feature is disabled per d e until all thumbnails have been ated only the required thumbnai tly be displayed (when the user h nly have to be loaded once to ge ory) the last known thumbnail w	generated, and it is a potential ils will be generated, i.e. the novers a page button in the nerate a thumbnail. If a page is	
waitfornoturning	{false, true}	true	
Determines whether to wait for all page animations (page turns actually, not drags) are finished before beginning to load new pages. This is only relevant if the book has more pages than may be kept in memory at a time. When disabling this the user is less likely to see blank pages when flipping through the pages very fast, but performance will most likely decrease.			
zoomalign	{left, center, right} x {top, middle, bottom}	center middle	
the part of the viewport that re visible area remains in same sp	anges when changing the zoom mains still. I.e. per default when ot, relative to the actual image. a would remain in the same spo	zooming in the center of the If top left were given, the	
zoomcontrolalpha	[0, 1]	0.25	
Sets the alpha / transparency o it is not hovered by the cursor.	f the control field and thumbnai	il preview in zoom mode when	

Name	Туре	Default
zoomfs	{false, true}	true

Determines whether to go into fullscreen mode when a zoom button is clicked or not.

Determines the initial zoom step when zoom mode is opened. Setting this to zero (the default) causes the image to fit the display area. Please note that the actual minimal zoom step (when the image fits the display area) depends on the image size and display size, so setting this to anything else than 0 or the same value as set in zoommax is normally not expedient.

Determines the maximal zoom step when zoom mode is opened. E.g. 1.0 (the default) will not allow to get the image to be actually enlarged, but only scaled down until it perfectly fits the display area. Setting it to something bigger than 1 will cause the loaded image to be actually upscaled, which is not a good idea when using raster graphics (such as JPG, PNG and the like). Therefore this attribute is primarily meant to be used when you use vector graphics in zoom mode (such as SWF files).

zoommousemove	{false, true}	true
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This allows you to toggle between the two ways to move around in zoom mode. The first implementation requires the user to drag the image around, and is still available if setting this attribute to false. The new implementation moves the image according to the user's mouse movement, making it faster and easier to scroll around in one image.

zoomrotate	{false, true}	true
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Determines whether or not to show the buttons to rotate the image in zoom mode.

zoomthumb	{false, true}	true
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Determines whether to show the thumbnail in zoom mode when the image is larger than available display area.

#### Childnodes

Must contain at least one chapter node.

#### • chapter

#### Attributes

Name	Туре	Default
anchor	String	

Name	Туре	Default
_	ate to the first page in this chapt is used. Use anchors in the URL a	
bgcolor	]-infty, infty[	auto
Can be an ARGB or RGB value. ActionScript, it is recommended Hexadecimal values are marked Note that using many transpare	or pages in this chapter. Uses the While the number may be in any d for readabilities sake to use a h d by prefixing them with 0x. ent pages next to each other, cau sible pages, can reduce performa	v format parseable by exadecimal formatted value.
bgsound	URL	
Sounds are looped infinitely an	ay in the background while any p Id continue playing even if mute relative path. Relative paths are	d (i.e. no page in the chapter is
delay	[0, infty[	0
	e sound starts fading in. This doe apter is left. If no valid bgsound	
fade	[0, infty[	2000
	n to fade in and out the backgro sible or hidden, respectively. If r	
foldfx	[0, 1]	0.5
-	ing effects for pages in this chapt ild nodes. If set to zero folding ef	
pages	String	
appended behind page nodes of contain variables describing nu	generate multiple pages. The pag defined in the XML. The string is meric intervals. Intervals are def val and XX the upper one. Altern	basically be an URL but can fined like this: [xx-yy], where

XX is the lower end of the interval and YY the upper one. Alternatively it can be defined by using [xx] where XX is the upper bound and the lower bound is 1. The loaded graphics will be scaled to exactly fit the page.

Name	Туре	Default
An example: pages/page[0-10].jpg Loads all files of the names page img elements and puts them int It is also possible to define mult	o 11 automatically generated p iple intervals, e.g. pages[2]/pa	page <b>element.</b> age[0-10].jpg <b>would load the</b>
images pages1/page0.jpg,, p pages2/page10.jpg. It is also possible to use high res		

though. To declare high resolution variants, add the following to the end of the String: |\_postfix, where \_postfix is the end of the file name of the high resolution files, and the beginning of the file names has to be the same as for the actual images. If \_postfix is empty, the same URL that is used for the page image will be used for the zoom mode (i.e. hires = src). An example:

pages/page[0-10].jpg|\_big would not only load the images as img elements and put them into pages, it would additionally define a hires attribute for each image, accordingly to its name. Also the so created images/pages will be put into one gallery. The equivalent XML would look like so (one page only):

Additional settings are possible when adding "?", allowing a few of the boolean settings for all images. The possible settings are set to their non-default value by adding the letter they correspond to after the "?". The corresponding pairs are:

```
a - aa
```

```
b - showbutton
```

```
n - nocache
```

```
s - rasterize
```

```
So, to make all images loaded use rasterize="true" and showbutton="false" use
something like this:
pages/page[0-10].jpg|_hires?bs
Or, without using hires:
pages/page[0-10].jpg?bs
Or, using hires with the same image as the original one:
pages/page[0-10].jpg|?bs
```

The settings must follow *after* hires settings (i.e. after the optional "|").

slidedelay	[0, infty[	5

The wait time in seconds, when using the slideshow for all pages in this chapter (how long a double page is displayed). Overrides setting in book for this chapter.

Must contain at least one page node.

#### • page

#### Attributes

Name	Туре	Default
anchor	String	

An id that can be used to navigate to this page. Anchor names must be unique, else the last definition is used. Use anchors in the URL attribute of elements supporting it.

bgcolor	]-infty, infty[	0xCCCCCC
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The background color for this page. Overwrites the default value defined in book or the parent chapter. Can be an ARGB or RGB value. While the number may be in any format parseable by ActionScript, it is recommended for readabilities sake to use a hexadecimal formatted value. Hexadecimal values are marked by prefixing them with 0x.

Note that using many transparent pages next to each other, causing a deep level of transparency and thus many visible pages, can reduce performance significantly.

buffer	{false, true}	false
--------	---------------	-------

Determines whether to create a static copy of the page's content while turning or dragging the page. This means that no content of the page will be animated while the page itself is moving (e.g. animations in loaded swfs). On the other hand performance will greatly increase for complex swfs with many animated elements or vectorgraphics. As soon as the page's movement finishes the content's animation will be displayed again.

buttoncolor	]-infty, infty[	
-------------	-----------------	--

Can be used to make the button representing this page in the navigation bar have a custom color.

The alpha value of the folding effect for this pages. Overwrites the default value defined in book or the parent chapter. If set to zero folding effects are turned off, 1 means 100% opaque.

The intensity of the shadow and highlight effects while turning or dragging the page. The value is the intensity, higher is stronger. Overwrites the default value defined in book. If set to zero shadow and hightlight are turned off, 1 means 100% strength.

slidedelay	[0, infty[	5
------------	------------	---

The wait time in seconds, when using the slideshow for this page (how long a double page is

Name Type De	fault
--------------	-------

displayed). Overrides setting in chapter. If two pages of a doublepage have a delay given, only that of the right page (the even part) will be used.

stiff {false, true} fals
--------------------------

If true, this page and it's back side make up a stiff page, resulting in a different turning animation. Only has to be defined in one page of the affected doublepage. Stiff pages cannot have folding effects.

### Childnodes

May contain any number of area, img, nav, snd, txt and vid nodes. z-Ordering depends on the order of the nodes, with the first childnode being bottommost (in the back), and the last one topmost (in front).

# • Page Elements

#### $\circ$ area

Used to overlay pages with areas to provide tooltips and links based on areas, not on images.

#### Attributes

Name	Туре	Default
height	]0, infty[	

The height of the area. Required, if not given the element does not load.

id
----

Meant for programmers. When given the getElementById function in the MegaZine class can be used to reference this element (by this id). Elements are therefore uniquely identified by their id, so no two elements can share one id.

left	[0, infty[	0

Distance of the element's left border to the left border of the page.

Determines the overlay type when the element has a URL set and is hovered. The default is a inner glow at the borders. Setting this to "none" suppresses the overlay. The basic structure of the allowed values for this attribute is as follows:

```
type[normal, hover, attr1, attr2, ...]; type[normal, hover, attr1, ...]
Please note that attributes (in brackets) may be omitted.
```

Name	Туре	Default

Each overlay has attributes, the basic ones valid for all overlays being the alpha values for the normal and hovered states.

normal

The normal alpha, when the object is not hovered.

hover

The alpha when the object is hovered.

Other parameters depend on the overlay type. Available overlays are currently color and border. Their specific attributes are

Overlay "color"

color

The color of the overlay. This should be a value between 0 and 0xFFFFFF.

Overlay "border"

type

The type of the border. Available types are: glow, solid, dotted. They currently all have the same "subattributes", being the following attributes.

color

The color of the border. This should be a value between 0 and 0xFFFFFF.

size

The size/width of the border. Can be any positive number.

Multiple overlay types may be set by separating them with semicolons (;).

#### Examples:

```
color[0.5,1,0xFF0000]
border[0,1,dotted]
border[0,0.75,solid,0xFF0000,3];color[0.25,0.5,0x6699CC];border
```

position	{left, center, right} x {top,	
position	middle, bottom}	

May be used to position elements relative to the page. Horizontally via left, center and right, as well as vertically via top, middle and bottom. The two values left and top do not have a real effect, but only exist for completeness' sake. If this attribute is present, absolute positioning via attributes left and top will be ignored, if present.

priority [0, 50]	5
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Determines the priority of the element while loading. Elements where this value is *lower* will be loaded *first*. Default values vary by element. Unknown external elements will be given the default priority of 10. In general, internal elements are loaded before external elements, and elements expected to be larger (i.e. which take longer to load) will be loaded after smaller elements. Therefore the default priorities are: area, nav, txt: 5 img, unknown external: 10

snd: 15

vid: 20

t

target	String	_blank

Name	Туре	Default

If the element is linked externally (has the URL attribute set and the link is not to an internal anchor) this determines where the link is opened. Possible values:

"\_self" specifies the current frame in the current window.

"\_blank" specifies a new window.

"\_parent" specifies the parent of the current frame.

"\_top" specifies the top-level frame in the current window.

Other values will be interpreted as window names. This works the same way as it does in HTML.

title String

Tooltip text to display on mouseover. If the URL is given, this replaces the link text being displayed as a tooltip. If left blank, the tooltip is supressed, even if a URL is given. Note: if used, existing title child nodes will be ignored! For localization use the title child nodes instead.

top [0, infty] 0

Distance of the element's top border to the top border of the page.

URL URL
---------

URL to navigate to if clicked. Can be an absolute or relative path. Relative paths are always relative to the megazine.swf file. Can also be a reference to an anchor of a chapter or page, written as anchor:anchorname, e.g. <img URL="anchor:myAnchor" .../>. If a number is given after the anchor: prefix, and no anchor with that name exists, the book navigates to the page with that number.

width
-------

The width of the area. Required, if not given the element does not load.

# Childnodes

May contain title nodes to localize the title. If the title *attribute* is set it will be handled as an english title child node. If an english child node exists it will override the title attribute, meaning it will be ignored.

# • img

Used to load images (JPG, PNG, GIF) and Flash movies (SWF).

# Attributes

Name	Туре	Default
аа	{false, true}	false

Name	Туре	Default
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Enable antialiasing for this image. Does not work for SWF Movies. Enabling this for too many images may result in decreased performance.

gallery String
----------------

May be used together with the hires attribute to assign images to galleries. In zoom mode the user can then navigate beween all images in the same gallery. There may be any number of galleries in a book. When leaving zoom mode the system automatically navigates to the page containing the current gallery image.

]0 <i>,</i> infty[	auto
	]0, infty[

The height of the image. If left blank the original height of the loaded file is used. If it differs from the original image size, the image is scaled accordingly.

If a value smaller than 1 is provided, the image is scaled relativley, i.e. the display height is the original height times the value specified here.

**Note:** using absolute size values for loaded SWF files can cause problems. In such cases, either export your SWF files so they have the correct size, or use realtive scaling (values between 0 and 1).

hires
-------

Absolute or relative path to a high resolution variant of the image. Relative paths are always relative to the megazine.swf file. This activates the display of a zoom button in the corner of the image. When clicked, the zoom mode is activated and loads the high resolution image. You can use a "template variable" in your URL, {src}, which will be replaced with the content of the src attribute of this image, minus the file extension. So e.g. if you have <img src="folder/myimage.jpg" hires="{src}\_big.jpg"/> this is equivalent to

<img src="folder/myimage.jpg" hires="folder/myimage\_big.jpg"/>

iconpos	{bottom, left, right, top} or two positive numbers	bottom right
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When a high resolution version of an image is given a zoom button is displayed in the corner of the image. This value controls in which corner the button is displayed. Any combination of the allowed values is possible, but if two exclusive values are given (i.e. top/bottom and left/right) only the latter one is used. E.g. "top left bottom" shows the button in the bottom left, and is not good style. Use "left" instead (bottom can be left out because it's the default value).

Alternatively two positive numbers, separated by a blank may be given. They will be used as the X (first number) and Y (second number) coordinates, with the top left corner of the loaded image or swf is the origin. The given values will thus be the distance from the top left corner of the image to the top left corner of the zoom button in pixels.

Name	Туре	Default
id	String	

Meant for programmers. When given the getElementById function in the MegaZine class can be used to reference this element (by this id). Elements are therefore uniquely identified by their id, so no two elements can share one id.

Distance of the element's left border to the left border of the page.

nocache	{false, true}	false
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Flash caches everything it loads internally, that means that every bit of loaded data, in this case images, is stored locally, and will be loaded from the local disk the next time the page is opened. Although this allows to save a lot of bandwidth, and increases loading times drastically, it may be unwanted in cases where content changes frequently (as the content won't be updated for returning users). When this setting is set to true, the internal caching functionality will be ignored, and the image will always be loaded from the server.

Determines the overlay type when the element has a URL or high resolution version set and is hovered. The default is a inner glow at the borders. Setting this to "none" suppresses the overlay. The basic structure of the allowed values for this attribute is as follows: type[normal, hover, attr1, attr2, ...]; type[normal, hover, attr1, ...] Please note that attributes (in brackets) may be omitted.

Each overlay has attributes, the basic ones valid for all overlays being the alpha values for the normal and hovered states.

normal

The normal alpha, when the object is not hovered.

hover

The alpha when the object is hovered.

Other parameters depend on the overlay type. Available overlays are currently color and border. Their specific attributes are

Overlay "color"

color

The color of the overlay. This should be a value between 0 and 0xFFFFFF.

Overlay "border"

type

The type of the border. Available types are: glow, solid, dotted. They currently all have the same "subattributes", being the following attributes.

color

The color of the border. This should be a value between 0 and 0xFFFFFF.

size

The size/width of the border. Can be any positive number.

Multiple overlay types may be set by separating them with semicolons (;).

Name	Туре	Default	
<pre>Examples: color[0.5,1,0xFF0000] border[0,1,dotted] border[0,0.75,solid,0xFF0000,3];color[0.25,0.5,0x6699CC];border</pre>			
position	{left, center, right} x {top, middle, bottom}		
May be used to position elements relative to the page. Horizontally via left, center and right, as well as vertically via top, middle and bottom. The two values left and top do not have a real effect, but only exist for completeness' sake. If this attribute is present, absolute positioning via attributes left and top will be ignored, if present.			
priority	[0, 50]	10	
Determines the priority of the element while loading. Elements where this value is <i>lower</i> will be loaded <i>first</i> . Default values vary by element. Unknown external elements will be given the default priority of 10. In general, internal elements are loaded before external elements, and elements expected to be larger (i.e. which take longer to load) will be loaded after smaller elements. Therefore the default priorities are: area, nav, txt: 5 img, unknown external: 10 snd: 15 vid: 20			
showbutton	Boolean	true	

If the hires attribute is set a small button is displayed on top of the image, which, if clicked, opens the zoom mode. As the whole image is clickable this is actually superfluous, but as it gives the user a good hint of which images are zoomable and which aren't without the need to hover them with the cursor it's visible per default. Use this attribute to hide that button. Note that the button will be shown regardless of this attribute if the image is linked (the URL attribute is set), because then the click on the image opens the URL, so the button is the only possibility to open the zoom mode.

src URL

Absolute or relative path to the file to load. Relative paths are always relative to the megazine.swf file.

rasterize	{false, true}	false
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Determines whether a loaded flash movie (SWF) should be cached as an image. This only makes sense when the loaded SWF-file contains many vector graphics (e.g. text). Animated flash movies will only show the first frame (or rather: the frame that was visible when the snapshot was created; this can vary). Possibility to interact with the loaded SWF is lost.

Name	Туре	Default
Has no effect on images.		
target	String	_blank
anchor) this determines where f "_self" specifies the current fra "_blank" specifies a new windo "_parent" specifies the parent "_top" specifies the top-level fr	ow. of the current frame.	es:
title	String	
displayed as a tooltip. If left bla	eover. If the URL is given, this report of the tooltip is supressed, even in the tooltip is supressed, even id nodes will be ignored! For loo	n if a URL is given.
top	[0, infty[	C
Distance of the element's ter h	order to the ten border of the n	
Distance of the element's top b		age.
Distance of the element's top be	URL	age.
URL URL to navigate to if clicked. Ca relative to the megazine.swf fil written as anchor:anchorname,	URL n be an absolute or relative path le. Can also be a reference to an , e.g. <img url="anchor:myAnc&lt;br&gt;achor: prefix, and no anchor wit&lt;/td&gt;&lt;td&gt;n. Relative paths are always&lt;br&gt;anchor of a chapter or page,&lt;br&gt;chor "/> .	

The width of the image. If left blank the original width of the loaded file is used. If it differs from the original image size, the image is scaled accordingly.

If a value smaller than 1 is provided, the image is scaled relativley, i.e. the display width is the original width times the value specified here.

**Note:** using absolute size values for loaded SWF files can cause problems. In such cases, either export your SWF files so they have the correct size, or use realtive scaling (values between 0 and 1).

# Childnodes

May contain title nodes to localize the title. If the title *attribute* is set it will be handled as an english title child node. If an english child node exists it will override the title attribute, meaning it will be ignored.

May contain  $\tt src$  nodes to localize the URL. Relation to the  $\tt src$  attribute is the same as with <code>title</code>.

Both child nodes are meant to be used to localize the element. On the one hand the title, on the other the element data itself (e.g. if there is text in the image that should be localized).

#### $\circ$ nav

Creates a list of links that are automatically positioned.

#### Attributes

Nama	Ture	Defeuit
Name	Type	Default
align	{center, left, right}	left
The text alignment of the eleme	ent's text in the list.	
color	]-infty, infty[	0x000000
The text color used for the list e	lements.	
height	[1, infty[	
	f given, elements are spread eve on top of each other as close as	
hover	]-infty, infty[	0x333333
The text color used for the list e lnk's URL attribute has a value.	lements while the mouse is ove	r the element. Only used if the
id	String	
	given the getElementById func ent (by this id). Elements are the n share one id.	_
left	[0, infty[	0
Distance of the element's left b	order to the left border of the p	age.
position	{left, center, right} x {top, middle, bottom}	

Name	Туре	Default
as well as vertically via top, mid	nts relative to the page. Horizon Idle and bottom. The two values eteness' sake. If this attribute is p I be ignored, if present.	s left and top do not have a real
priority	[0, 50]	5
be loaded <i>first</i> . Default values v default priority of 10. In genera elements expected to be larger elements. Therefore the defaul area, nav, txt: 5 img, unknown external: 10 snd: 15 vid: 20		rnal elements will be given the before external elements, and
top	[0, infty[	0
Distance of the element's top b	order to the top border of the p	age.

|--|

The width of the navigational list. If left blank the the list will be as wide as it needs to be. In most cases. But generally it's a good idea to provide a width. If a width is given and the text in a lnk element is too long it gets wrapped.

# Childnodes

Must contain at least one lnk node.

#### $\circ$ snd

Used to load sounds (MP3). This does NOT stop a bgsound defined in the chapter of the containing page. Sounds are played in an infinite loop, and continue playing even if the containing page is not visible.

#### Attributes

Name	Туре	Default
delay	[0, infty[	0

Time in milliseconds before the sound starts fading in. This does not affect fadeout, which will still begin immediately if the containing page becomes invisible.

fade	[0, infty[	2000

Name	Туре	Default
Time in milliseconds over which becomes visible or hidden, resp	n to fade in and out the sound w	hen the containing page
id	String	
	given the getElementById fundent (by this id). Elements are then n share one id.	-
Іоор	{false, true}	true
	runs in an infinite loop or is pla page becomes visible a second t	
onlywhenactive	{false, true}	false
current page. Normally playbac	y only commence once the conta ck can begin once the page is visi r of the page hiding the contain	ible, i.e. even if it is just visible
priority	[0, 50]	15
be loaded <i>first</i> . Default values v default priority of 10. In genera	element while loading. Elements vary by element. Unknown exter I, internal elements are loaded I (i.e. which take longer to load) v t priorities are:	nal elements will be given the before external elements, and
restart	{false, true}	false
	ntinuing the playback when the playback begins anew at the beg	-
src	URL	
Absolute or relative path to the	sound file to load Relative path	as are always relative to the

Absolute or relative path to the sound file to load. Relative paths are always relative to the megazine.swf file.

### Childnodes

May contain title nodes to localize the title. If the title *attribute* is set it will be handled as an english title child node. If an english child node exists it will override the title attribute,

meaning it will be ignored.

#### • txt

Used to display plain text.

# Attributes

Name	Туре	Default
align	{center, justify, left, right}	left
The text alignment of the eleme	ent's text.	
color	]-infty, infty[	0x000000
The text color used.		
content	String	
The text to display.		
height	[1, infty[	0
The height of the text box.		
id	String	
	given the getElementById func- ent (by this id). Elements are the n share one id.	-
left	[0, infty[	0
Distance of the element's left b	order to the left border of the p	age.
position	{left, center, right} x {top, middle, bottom}	
as well as vertically via top, mid	nts relative to the page. Horizon Idle and bottom. The two values eteness' sake. If this attribute is p be ignored, if present.	s left and top do not have a real
priority	[0, 50]	5

Determines the priority of the element while loading. Elements where this value is *lower* will be loaded *first*. Default values vary by element. Unknown external elements will be given the

al, internal elements are loaded b (i.e. which take longer to load) v It priorities are:	
[0, infty[	0
oorder to the top border of the p	age.
[1, infty]	0
	(i.e. which take longer to load) t priorities are: [0, infty[ oorder to the top border of the p

### Childnodes

May contain content tags to localize the content of this text field.

#### $\circ$ vid

Used to load videos (FLV). As of Update 3 for FlashPlayer 9 it is also possible to load h.264 encoded videos if using one of the following container formats: MP4, M4A, MOV, MP4V, 3GP, and 3G2 (Source).

#### Attributes

Name	Туре	Default
autoplay	{false, true}	true

Determines whether to automatically start video playback as soon as a context where it may play is entered (i.e. when it's on a visible page if nopause is false, and on the main page if onlywhenactive is true).

delay [0, infty] C
--------------------

Time in milliseconds before the sound starts fading in and video playback is started. This does not affect fadeout, which will still begin immediately if the containing page becomes invisible.

fade	[0, infty[	2000
------	------------	------

Time in milliseconds over which to fade in and out the sound of the video when the containing page becomes visible or hidden, respectively.

gui	URL	
-----	-----	--

Name	Туре	Default
relative to the megazine.swf fi	he other elements, called vidgu	
guicolor	[0, infty[	0xFF333333
Color overlay of the playback co alpha will be 0.75.	ontrols as an RGB or ARGB value	. If no alpha value is given
height	[1, infty[	auto
-	lank the original height of the lo e video is scaled accordingly. So	
id	String	
	given the getElementById fund ont (by this id). Elements are then on share one id.	
left	[0, infty[	C
Distance of the element's left b	order to the left border of the pa	age.
Іоор	{false, true}	true
	runs in an infinite loop or is play via playback controls defined in	•
nopause	{false, true}	false
	en the containing page is not vis this behavior. When using many e!	-
onlywhenactive	{false, true}	false
current page. Normally playbac	v only commence once the conta k can begin once the page is visi r of the page hiding the containi	ible, i.e. even if it is just visible
overlay	See description	C
	nen the element has a URL set a ng this to "none" suppresses the	

Name	Туре	Default

the allowed values for this attribute is as follows:

type[normal, hover, attr1, attr2, ...]; type[normal, hover, attr1, ...]
Please note that attributes (in brackets) may be omitted.

Each overlay has attributes, the basic ones valid for all overlays being the alpha values for the normal and hovered states.

normal

The normal alpha, when the object is not hovered.

hover

The alpha when the object is hovered.

Other parameters depend on the overlay type. Available overlays are currently color and border. Their specific attributes are

Overlay "color"

color

The color of the overlay. This should be a value between 0 and 0xFFFFFF.

Overlay "border"

type

The type of the border. Available types are: glow, solid, dotted. They currently all have the same "subattributes", being the following attributes.

color

The color of the border. This should be a value between 0 and 0xFFFFFF.

size

The size/width of the border. Can be any positive number.

Multiple overlay types may be set by separating them with semicolons (;).

#### Examples:

```
color[0.5,1,0xFF0000]
border[0,1,dotted]
border[0,0.75,solid,0xFF0000,3];color[0.25,0.5,0x6699CC];border
```

|--|

May be used to position elements relative to the page. Horizontally via left, center and right, as well as vertically via top, middle and bottom. The two values left and top do not have a real effect, but only exist for completeness' sake. If this attribute is present, absolute positioning via attributes left and top will be ignored, if present.

priority	[0, 50]	20
----------	---------	----

Determines the priority of the element while loading. Elements where this value is *lower* will be loaded *first*. Default values vary by element. Unknown external elements will be given the default priority of 10. In general, internal elements are loaded before external elements, and elements expected to be larger (i.e. which take longer to load) will be loaded after smaller elements. Therefore the default priorities are: area, nav, txt: 5

img, unknown external: 10

	Туре	Default
snd: 15 vid: 20		
restart	{false, true}	false
	ntinuing the playback when the layback begins anew at the begi	-
src	URL	
Absolute or relative path to the megazine.swf file.	e video file to load. Relative path	s are always relative to the
target	String	_blank
anchor) this determines where "_self" specifies the current fr "_blank" specifies a new windo "_parent" specifies the parent "_top" specifies the top-level for	ow. of the current frame.	es:
title	String	
displayed as a tooltip. If left bla	eover. If the URL is given, this rep Ink, the tooltip is supressed, eve Ild nodes will be ignored! For loo	n if a URL is given.
displayed as a tooltip. If left bla Note: if used, existing title ch nodes instead.	ink, the tooltip is supressed, eve	n if a URL is given. calization use the title child
displayed as a tooltip. If left bla Note: if used, existing title ch nodes instead. top	ink, the tooltip is supressed, eve ild nodes will be ignored! For loo	n if a URL is given. calization use the title child 0
displayed as a tooltip. If left bla Note: if used, existing title ch nodes instead. top	ink, the tooltip is supressed, eve ild nodes will be ignored! For loo [0, infty]	n if a URL is given. calization use the title child 0
displayed as a tooltip. If left bla Note: if used, existing title ch nodes instead. top Distance of the element's top b URL URL to navigate to if clicked. Ca relative to the megazine.swf fi written as anchor: anchorname	[0, infty] [0, infty] order to the top border of the p URL un be an absolute or relative path ile. Can also be a reference to an e, e.g. <img_url="anchor:myanchor: anchor="" and="" no="" prefix,="" td="" with<=""><td>n if a URL is given. calization use the title child 0 age. h. Relative paths are always anchor of a chapter or page, chor "/&gt;.</td></img_url="anchor:myanchor:>	n if a URL is given. calization use the title child 0 age. h. Relative paths are always anchor of a chapter or page, chor "/>.

Name	Туре	Default
require a minimum width.		

# Childnodes

May contain title nodes to localize the title. If the title *attribute* is set it will be handled as an english title child node. If an english child node exists it will override the title attribute, meaning it will be ignored.

May contain  $\tt src$  nodes to localize the URL. Relation to the  $\tt src$  attribute is the same as with <code>title</code>.

Both child nodes are meant to be used to localize the element. On the one hand the title, on the other the element data itself (e.g. if the video should be localized).

# Element settings

Some elements may have child tags themselves. This is mostly used for localization purposes. Here is a list of element child tags. See the elements themselves for supported child tags.

∘ Ink

Attributes

Name	Туре	Default
lang	String	

ID of the language for the navigation entry, used for localization (e.g. "en"). lnk nodes of the same language ID are grouped to form the navigation list in the respective language. The order of the elements of other languages is not important. That is to say

```
<lnk lang="en">One</lnk>
<lnk lang="en">Two</lnk>
<lnk lang="de">Eins</lnk>
<lnk lang="de">Zwei</lnk>
is equivalent to
<lnk lang="de">Eins</lnk>
<lnk lang="en">One</lnk>
<lnk lang="en">Two</lnk>
<lnk lang="en">Two</lnk>
<lnk lang="de">Zwei</lnk>
```

All that matters is the order of the tags with the same language ID.

target	String	_blank

If the element is linked externally (has the URL attribute set and the link is not to an internal anchor) this determines where the link is opened. Possible values:

"\_self" specifies the current frame in the current window.

"\_blank" specifies a new window.

Name	Туре	Default

"\_parent" specifies the parent of the current frame.

"\_top" specifies the top-level frame in the current window.

Other values will be interpreted as window names. This works the same way as it does in HTML.

URL URL
---------

URL to navigate to if clicked. Can be an absolute or relative path. Relative paths are always relative to the megazine.swf file. Can also be a reference to an anchor of a chapter or page, written as anchor:anchorname, e.g. <img URL="anchor:myAnchor" .../>. If a number is given after the anchor: prefix, and no anchor with that name exists, the book navigates to the page with that number.

If left blank or not specified, the list entry will not be highlighted on mouseover.

### Childnodes

May only contain the text of the link. May be a <! [CDATA[]] > node, containing HTML formatted text. E.g.

<lra> uRL="someURL"><![CDATA[<b>Some text</b>]]></lnk>

would show a bold list entry with the text "Some text".

#### o src

May be used to completely localize elements by assigning a different URL depending on the language.

#### Attributes

Name	Туре	Default
lang	String	

ID of the language for the resource loaded from the given URL, used for localization (e.g. "en").

#### Childnodes

May only contain the URL to be used for the specified language.

#### • title

May be used to localize titles of elements.

#### Attributes

Name	Туре	Default
lang	String	

ID of the language of this title, used for localization (e.g. "en").

### Childnodes

May only contain the text of the title. Must contain plain text.

#### $\circ$ content

*May be used to localize text of txt elements.* 

#### Attributes

Name	Туре	Default
lang	String	

ID of the language of this title, used for localization (e.g. "en").

### Childnodes

May only contain the text to be displayed. May be a <! [CDATA[]] > node, containing HTML formatted text. E.g.

<txt><![CDATA[<b>Some text</b>]]></lnk>

would show a the text "Some text" rendered bold.