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Control Tags

SWF control tags used in GFx.

Tag Type	Name	SWF Version	Deprecated	Supported	Comment	GFx
0	End	1		Yes	Implemented in GFxMovieDefImpl.Read	1.0
1	ShowFrame	1		Yes		

43	FrameLabel	3	Yes	1.0
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Global Functions

SWF global functions used in GFx.

Opcode	Name	SWF Version	Deprecated	Supported	Comment	GFx
0x06	gotoAndPlay	2		Yes	0x81 - goto 0x06 - ActionPlay / Sprite Builtins implements	1.0
0x07	gotoAndStop	2		Yes	0x81 - goto 0x07 - ActionStop / Sprite Builtins implements	1.0

0x30	random	4	5	Yes	0x30 - ActionRandomNumber	40.0725 S40.random
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scroll

4

No

AS2 Action Ops

0x30	ActionRandomNumber	4		Yes		1.0
0x31	ActionMBStringLength	4		Yes		1.0
0x32	ActionCharToAscii	4		Yes		1.0
0x33	ActionAsciiToChar	4		Yes		1.0
0x34	ActionGetTime	4		Yes		1.0
0x35	ActionMBStringExtract	4		Yes		1.0
0x36	ActionMBCharToAscii	4		Partial	SWF 6+ ok, some issues for SWF 5	
0x37	ActionMBAsciiToChar	4		Yes		1.0
0x3A	ActionDelete	5		Yes		1.0
0x3B	ActionDelete2	5		Yes		1.0.22

6							
0x66	ActionStrictEquals		6		Yes		1.0
0x67	ActionGreater		6		Yes		1.0

BitmapData	transparent	8		No		
BitmapData	width	8		Yes		2.1.55
BitmapFilter		8		Yes	For text fields only	GFx 3.0
BitmapFilter						

Button	scale9Grid	8		Yes		2.1.49
Button	_soundbuftime	6		No		
Button	tabEnabled	6		Yes		1.1.26

Camera

onActivity

6

No

ColorMatrixFilter

clone

8

CustomActions		6		No			

Date	setUTCSeconds	5		Yes		1.1.31
Date	setYear	5		Yes		1.1.31
Date	toString	5		Yes		1.1.31
Date	UTC	5		Yes		1.1.31
Date	valueOf	5		Yes		1.1.31
DisplacementMapFilter		8		No		

DisplacementMapFilter alpha

GlowFilter	strength	8		Yes		3.0.58
GradientBevelFilter		8		No		
GradientBevelFilter	alphas	8		No		
GradientBevelFilter	angle	8		No		
GradientBevelFilter	blurX	8		No		

LoadVars

load

6

Yes

HTTP is not supported

1.2.36

Math SQRT1_2 5 Yes 1.0

getBytes 798.831472 (getByt1a1 Td (ge39 m 798.83953 749.90 m 798.83ayt1a1 Td 5 S 743.8 () Tj ET BT 765.2316 738.9171 Td (1.0) Tj ET 54.3969 749.9039S 743.869 w 157.7671S 743.8 ()714 0.714 S

MovieClip	getBounds	5		Yes		1.0
MovieClip	getBytesLoaded	5		Yes		1.0
MovieClip	getBytesTotal					

MovieClip	onRollOut	6		Yes		1.0
MovieClip	onRollOver	6		Yes		1.0

NetStream	time	7		Yes		3.0.63
NetStream	onSubtitle	EXT		Yes	called when a subtitle string NetStream to be shown	3.0.63
NetStream	subtitleTrack	EXT		Yes	set/get current subtitles track number.	

Point | equals | 8 | Yes | 1.2.35

Rectangle	topLeft	8	Yes	1.2.35
Rectangle	toString	8	Yes	1.2.35

SharedObject	onStatus	6		Yes	Not supported because minimum disk space parameter for flush is ignored	3.0.58
						6

TextField	filters	8	Partial	Can set property, but cannot retrieve, since filter type information is lost during set.	3.0.58but
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TextField	tabIndex			Yes		1.1.26
TextField	_target			Yes		1.0.22
TextField	text			Yes		1.0

TextField

getLineText

EXT

Yes

See Flash 9 Documentation for details

2.0.43

TextField	_matrix3d	EXT		Yes	Sets the complete 3D transform of the object using an array of 16 floats (4 * 4 matrix)	3.2.82
TextField	_perspfov	EXT		Yes	Allows the perspective field of view angle (in degrees) to be set on a movie clip.	3.2.84
TextField	outline	EXT		Yes	Sets the outline width of fonts	3.3.85
TextFormat		6		Partial		GFx 2.0
TextFormat	align	6		Yes		2.0.41
TextFormat	blockIndent	6		Yes		2.0.43
TextFormat	bold	6		Yes		2.0.37
TextFormat	bullet	6		Yes		

XML

load

5

Yes

XMLSocket	onXML	5		No		
XMLSocket	send	5		No		
XMLUI		7		No		
XMLUI	accept	7		No		
XMLUI	cancel	7		No		

AS3 Class Functions

Flash AS3 Class functions used in GFx.

Global Functions

Package	Function	SWF Version	Deprecated	Supported	Comment	GFx
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setInterval	9	Yes	4.0
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	Date	getMinutes	9		Yes		4.0
	Date	getFullYear	9		Yes		4.0
	Date	getHours	9		Yes		4.0
	Date	getMilliseconds	9		Yes		4.0
	Date	getMinutes	9		Yes		4.0
	Date	getMonth	9		Yes		4.0
	Date	getSeconds	9		Yes		4.0
	Date	getTime	9		Yes		4.0
	Date	getTimezoneOffset	9		Yes		4.0
	Date	getUTCDate	9		Yes		4.0
	Date	getUTCDay	9		Yes		4.0
	Date	getUTCFullYear	9		Yes		4.0
	Date	getUTCHours	9		Yes		4.0
	Date	getUTCMilliseconds	9		Yes		4.0
Yes	Yes	Date	getUTCMinutes	9	Yes		4.0
		Date	getUTCMonth	9	Yes		4.0

Top Level	DefinitionError	9	Yes
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Top Level

DefinitionError

9

Yes

	Math	pow	9	Yes		4.0
	Math	random	9	Yes		

	Object	setPropertyIsEnumerable	9		Yes		4.0
9	Object	toString	9		Yes		4.0

	Vector	lastIndexOf	10	Yes	4.0
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lastIndexOf

	XML	insertChildBefore	9		Yes			4.1
	XML	length	9		Yes			4.1
	XML	localName	9		Yes			4.1
	XML	name	9					

Yes	XMLList	processingInstructions	9		Yes		4.1
	XMLList	propertyIsEnumerable	9		Yes		4.1
	XMLList	text	9		Yes	Yes	4.1

BitmapData	BitmapData	floodFill	9	Yes		4.1
	BitmapData	generateFilterRect	9	Yes		4.1

BlendMode

SCREEN

9

Yes

4.3

DisplayObject

scrollRect

9

Yes

4.0

DisplayObjectContainer	setChildIndex	9	Yes	4.0
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flash.display	GraphicsSolidFill		10		No		TBD
	GraphicsSolidFill	matrix	10		No		TBD

4.0	InteractiveObject	tabEnabled	9	Yes	4.0
4.0	InteractiveObject	tabIndex	9	Yes	4.0
4.0	InteractiveObject	InteractiveObject	9	Yes	4.0

Yes

4.0Yes

4.0YesYesYesYes

MovieClip

addFrameScript

9

Hidden

Yes

4.0

ShaderInput	height	10	No	TBD
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	Stage	focus	9		Yes			4.0
	Stage	frameRate	9		Partial	Read Only		4.0

StageAlign	TOP_RIGHT	9	Yes	4.0
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flash.errors	IOError	9	Yes	GFx 4.0
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Event	EXIT_FRAME	10	Yes	4.0
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IEventDispatcher	hasEventListener	9	Yes	4.0
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MouseEvent	MouseEvent	9	Yes	4.0
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SyncEvent

clone

9

TouchEvent	TOUCH_END	10.1	Event	Yes	4.0
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BevelFilter

BevelFilter

9

Yes

4.0

	DisplacementMapFilter	alpha	9	No	TBD
	DisplacementMapFilter	color	9	No	TBD

GlowFilter	GlowFilter	9	Yes	4.0
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Matrix3D

appendTranslation

10

Yes

4.0

Point	polar	9	Yes	4.0
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	Camera	loopback	9		No		TBD
	Camera	motionLevel	9		No		TBD
	Camera	motionTimeout	9		No		TBD

	FileReference	cancel	9		No		TBD
	FileReference	download	9		No		TBD

NetConnection	client	9	No	TBD
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	NetStream NetStream	attachCamera close	9 9	No Yes	TBD 4.0
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	NetStreamInfo	audioByteCount	10	No	TBD
	NetStreamInfo	audioBytesPerSecond	10	No	TBD

au435491.net26 7715.66750.2182 76S 8ByteCountau435491.nnt

ObjectEncoding	sendToURL	9	No	TBD
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Socket

flush

9

Yes

5.0

URLLoader	complete	9	event	Yes	4.0
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URLStream	readFloat	9	No	TBD
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PrintJob	addPage	9	No	TBD
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StackFrame

toString

Capabilities	serverString	9	No	TBD
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Security

LOCAL_WITH_NETWORK

9

No

TBD

flash.text	FontStyle		9		Yes			GFx 4.0

TextField	autoSize	9	Yes	4.0
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	TextField	getLineIndexAtPoint	9	Yes	4.0
	TextField	getLineIndexOfChar	9	Yes	4.0

TextFormat

size

9

Yes

4.0

BreakOpportunity

NONE

10

No

TBD

	ElementFormat	dominantBaseline	10		No		TBD
	ElementFormat	fontDescription	10		No		TBD

TextBlock baselineZero 10 No TBD

	TextLine	specifiedWidth	10	No	TBD
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TextLineValidity	VALID	10	No	TBD
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	Keyboard	HOME	9	Yes	4.0
	Keyboard	INSERT	9	Yes	4.0

MouseCursor	HAND	10	Yes	4.0
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	Proxy	nextNameIndex	9		No		TBD
	Proxy	nextValue	9		No		TBD
	Proxy	setProperty	9		No		TBD

XMLNode

XMLNode

appendChild

Deprecated Functions

SWF Deprecated Classes, Functions and Properties.

Deprecated Classes

Number

Deprecated Properties

Number