



# Photoshop® CS Visual Basic Reference Guide



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# ActionDescriptor

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of keys contained in the descriptor

## Methods

Method:	Parameters:	Return value:	What it does:
Clear		None	Clear the descriptor
Erase	Key as Long	None	Erase a key from the descriptor
GetBoolean	Key as Long	Boolean	Get the value of a key of type boolean
GetClass	Key as Long	Long	Get the value of a key of type class
GetDouble	Key as Long	Double	Get the value of a key of type double
GetEnumerationType	Key as Long	Long	Get the enumeration type of a key
GetEnumerationValue	Key as Long	Long	Get the enumeration value of a key
GetInteger	Key as Long	Long	Get the value of a key of type integer
GetKey	Index as Long	Long	Get ID of the Nth key
GetList	Key as Long	ActionList	Get the value of a key of type list
GetObjectType	Key as Long	Long	Get the class ID of an object in a key of type object
GetObjectValue	Key as Long	ActionDe- scriptor	Get the value of a key of type object
GetPath	Key as Long	String	Get the value of a key of type Alias
GetReference	Key as Long	ActionRefer- ence	Get the value of a key of type ActionReference
GetString	Key as Long	String	Get the value of a key of type string
GetType	Key as Long	PsDescValu- eType	Get the type of a key
GetUnitDoubleType	Key as Long	Long	Get the unit type of a key of type UnitDouble
GetUnitDoubleValue	Key as Long	Double	Get the value of a key of type UnitDouble
HasKey	Key as Long	Boolean	does the descriptor contain the provided key?
IsEqual	OtherDesc as ActionDe- scriptor	Boolean	
PutBoolean	Key as Long, Value as Boolean	None	
PutClass	Key as Long, Value as Long	None	
PutDouble	Key as Long, Value as Double	None	
PutEnumerated	Key as Long, EnumType as Long, Value as Long	None	
PutInteger	Key as Long, Value as Long	None	
PutList	Key as Long, Value as ActionList	None	
PutObject	Key as Long, ClassID as Long, Value as ActionDe- scriptor	None	

**VBScript Reference**

<b>Method:</b>	<b>Parameters:</b>	<b>Returns:</b>	<b>What it does:</b>
PutPath	Key as Long, Value as String	None	
PutReference	Key as Long, Value as ActionReference	None	
PutString	Key as Long, Value as String	None	
PutUnitDouble	Key as Long, UnitID as Long, Value as Double	None	

# ActionList

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of items in the list

## Methods

Method:	Parameters:	Return value:	What it does:
Clear		None	Clear the list
GetBoolean	Index as Long	Boolean	Get the value of an item of type boolean
GetClass	Index as Long	Long	Get the value of an item of type class
GetDouble	Index as Long	Double	Get the value of an item of type double
GetEnumerationType	Index as Long	Long	Get the enumeration type of an item
GetEnumerationValue	Index as Long	Long	Get the enumeration value of an item
GetInteger	Index as Long	Long	Get the value of an item of type integer
GetList	Index as Long	ActionList	Get the value of an item of type list
GetObjectType	Index as Long	Long	Get the class ID of an object in an item of type object
GetObjectValue	Index as Long	ActionDescriptor	Get the value of an item of type object
GetPath	Index as Long	String	Get the value of an item of type Alias
GetReference	Index as Long	ActionReference	Get the value of an item of type ActionReference
GetString	Index as Long	String	Get the value of an item of type string
GetType	Index as Long	PsDescValueType	Get the type of an item
GetUnitDoubleType	Index as Long	Long	Get the unit type of an item of type UnitDouble
GetUnitDoubleValue	Index as Long	Double	Get the value of an item of type UnitDouble
PutBoolean	Value as Boolean	None	
PutClass	Value as Long	None	
PutDouble	Value as Double	None	
PutEnumerated	EnumType as Long, Value as Long	None	
PutInteger	Value as Long	None	
PutList	Value as ActionList	None	
PutObject	ClassID as Long, Value as ActionDescriptor	None	
PutPath	Value as String	None	
PutReference	Value as ActionReference	None	
PutString	Value as String	None	
PutUnitDouble	UnitID as Long, Value as Double	None	

# ActionReference

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to

## Methods

Method:	Parameters:	Return value:	What it does:
GetContainer		ActionRefer- ence	
GetDesiredClass		Long	
GetEnumeratedType		Long	Get type of enumeration of an ActionReference whose form is 'Enumerated'
GetEnumeratedValue		Long	Get value of enumeration of an ActionReference whose form is 'Enumerated'
GetForm		PsReference- FormType	Get form of ActionReference
GetIdentifier		Long	Get identifier value for an ActionReference whose form is 'Identifier'
GetIndex		Long	Get index value for an ActionReference whose form is 'Index'
GetName		String	Get name value for an ActionReference whose form is 'Name'
GetOffset		Long	Get offset value for an ActionReference whose form is 'Offset'
GetProperty		Long	Get property ID value for an ActionReference whose form is 'Property'
PutClass	DesiredClass as Long	None	
PutEnumerated	DesiredClass as Long, EnumType as Long, Value as Long	None	
PutIdentifier	DesiredClass as Long, Value as Long	None	
PutIndex	DesiredClass as Long, Value as Long	None	
PutName	DesiredClass as Long, Value as String	None	
PutOffset	DesiredClass as Long, Value as Long	None	
PutProperty	DesiredClass as Long, Value as Long	None	

# Application

## Properties

Property:	Value type:	Access:	What it is:
ActiveDocument	Document object	read/write	the frontmost document
Application	Application object	read only	application that the collection belongs to
BackgroundColor	SolidColor object	read/write	
ColorSettings	String	read only	color settings
DisplayDialogs	PsDialogModes constant (psDisplayAllDialogs (1), psDisplayErrorDialogs (2), or psDisplayNoDialogs (3))	read/write	controls whether or not Photoshop displays dialogs
Documents	Documents object	read only	the open documents
Fonts	TextFonts object	read only	the fonts installed on this system
ForegroundColor	SolidColor object	read/write	
FreeMemory	Double	read only	the amount of unused memory available to Adobe Photoshop
Name	String	read only	the application's name
Path	String	read only	the full path of the location of the Photoshop application
Preferences	Preferences object	read only	preference settings
ScriptingVersion	String	read only	the version of the Scripting interface
Version	String	read only	the version of Adobe Photoshop application
Visible	Boolean	read/write	is the Photoshop UI is visible?
WinColorSettings	String	read only	color settings

## Methods

Method:	Parameters:	Return value:	What it does:
ChangeColorSettings	[Name as Variant], [File as Variant]	None	set Color Settings to a named set or to the contents of a settings file
CharIDToTypeID	CharID as String	Long	convert from a four character code to a runtime ID
DoAction	Action as String, From as String	None	play an action from the Actions Palette
DoJavaScript	JavaScriptCode as String, [Arguments as Variant], [ExecutionMode as Variant]	String	execute JavaScript code
DoJavaScriptFile	JavaScriptFile as String, [Arguments as Variant], [ExecutionMode as Variant]	String	execute javascript file
ExecuteAction	EventID as Long, [Descriptor as Variant], [DisplayDialogs as Variant]	ActionDescriptor	play an ActionManager event
ExecuteActionGet	Reference as ActionReference	ActionDescriptor	obtain an action descriptor
Load	Document as String	None	load a support document

**VBScript Reference**

<b>Method:</b>	<b>Parameters:</b>	<b>Returns:</b>	<b>What it does:</b>
MakePDFPresentation	InputFiles as Variant, OutputFile as String, [Options as Variant]	String	create a PDF presentation file
MakePhotoGallery	InputFolder as String, OutputFolder as String, [Options as Variant]	String	create a web photo gallery
Open	Document as String, [As as Variant]	Document	open the specified document
Purge	Target as constant (psUndoCaches (1), psHistoryCaches (2), psClipboardCache (3), or psAllCaches (4))	None	purges one or more caches
Quit		None	quit the application
StringIDToTypeID	StringID as String	Long	convert from a string ID to a runtime ID
TypeIDToCharID	TypeID as Long	String	convert from a runtime ID to a character ID
TypeIDToStringID	TypeID as Long	String	convert from a runtime ID to a string ID



# ArtLayer

## Properties

Property:	Value type:	Access:	What it is:
AllLocked	Boolean	read only	
Application	Application object	read only	application that the collection belongs to
ArtLayer	ArtLayer object	read only	If the Layer is a ArtLayer then this property will return a reference to the corresponding ArtLayer object
BlendMode	PsBlendMode constant (psPassThrough (1), psNormalBlend (2), psDissolve (3), psDarken (4), psMultiply (5), psColorBurn (6), psLinearBurn (7), psLighten (8), psScreen (9), psColorDodge (10), psLinearDodge (11), psOverlay (12), psSoftLight (13), psHardLight (14), psVividLight (15), psLinearLight (16), psPinLight (17), psDifference (18), psExclusion (19), psHue (20), psSaturationBlend (21), psColorBlend (22), or psLuminosity (23))	read only	
Bounds	Variant	read only	Bounding rectangle of the Layer
FillOpacity	Double	read only	the interior opacity of the layer (between 0.0 and 100.0)
Grouped	Boolean	read only	is the layer grouped with the layer below?. Photoshop CS changed the menu name to Create/Release Clipping Mask
IsBackgroundLayer	Boolean	read only	is the layer a background layer?
Kind	PsLayerKind constant (psNormalLayer (1), psTextLayer (2), psSolidFillLayer (3), psGradientFillLayer (4), psPatternFillLayer (5), psLevelsLayer (6), psCurvesLayer (7), psColorBalanceLayer (8), psBrightnessContrastLayer (9), psHueSaturationLayer (10), psSelectiveColorLayer (11), psChannelMixerLayer (12), psGradientMapLayer (13), psInversionLayer (14), psThresholdLayer (15), or psPosterizeLayer (16))	read only	to create a text layer set this property to 'text layer' on an empty art layer of type 'normal'
Layer	Object	read only	The Layer corresponding to the ArtLayer

## VBScript Reference

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
LayerSet	LayerSet object	read only	If the Layer is a LayerSet then this property will return a reference to the corresponding LayerSet object
LayerType	PsLayerType constant (psArtLayer (1) or psLayerSet (2))	read only	Type of the Layer
LinkedLayers	Variant	read only	
Name	String	read only	the name of the layer
Opacity	Double	read only	master opacity of layer ( 0.0 - 100.0 )
Parent	Object	read only	the object's container
PixelsLocked	Boolean	read only	
PositionLocked	Boolean	read only	
TextItem	TextItem object	read only	the text item that is associated with the art layer. Only valid for art layers whose 'has text' is true
TransparentPixelsLocked	Boolean	read only	
Visible	Boolean	read only	

## Methods

<b>Method:</b>	<b>Parameters:</b>	<b>Return value:</b>	<b>What it does:</b>
AdjustBrightnessContrast	Brightness as Long, Contrast as Long	None	adjust brightness and contrast
AdjustColorBalance	[Shadows as Variant], [Mid-tones as Variant], [Highlights as Variant], [Preserve-Luminosity as Variant]	None	
AdjustCurves	CurveShape as Variant	None	adjust curves of the selected channels
AdjustLevels	InputRangeStart as Long, InputRangeEnd as Long, InputRangeGamma as Double, OutputRangeStart as Long, OutputRangeEnd as Long	None	adjust levels of the selected channels
ApplyAddNoise	Amount as Double, Distribution as constant (psUniformNoise (1) or psGaussianNoise (2)), Monochromatic as Boolean	None	apply the add noise filter
ApplyBlur		None	apply the blur filter
ApplyBlurMore		None	apply the blur more filter
ApplyClouds		None	apply the clouds filter
ApplyCustomFilter	Characteristics as Variant, Scale as Long, Offset as Long	None	apply the custom filter

<b>Method:</b>	<b>Parameters:</b>	<b>Returns:</b>	<b>What it does:</b>
ApplyDeInterlace	EliminateFields as constant (psOddFields (1) or psEvenFields (2)), CreateFields as constant (psDuplication (1) or psInterpolation (2))	None	apply the De-Interlace filter
ApplyDespeckle		None	apply the despeckle filter
ApplyDifferenceClouds		None	apply the difference clouds filter
ApplyDiffuseGlow	Graininess as Long, GlowAmount as Long, ClearAmount as Long	None	apply the diffuse glow filter
ApplyDisplace	HorizontalScale as Long, VerticalScale as Long, DisplacementType as constant (psStretchToFit (1) or psTile (2)), UndefinedAreas as constant (psWrapAround (1) or psRepeatEdgePixels (2)), DisplacementMapFile as String	None	apply the displace filter
ApplyDustAndScratches	Radius as Long, Threshold as Long	None	apply the dust and scratches filter
ApplyGaussianBlur	Radius as Double	None	apply the Gaussian blur filter
ApplyGlassEffect	Distortion as Long, Smoothness as Long, Scaling as Long, [Invert as Variant], [Texture as Variant], [TextureFile as Variant]	None	apply the glass filter
ApplyHighPass	Radius as Double	None	apply the high pass filter
ApplyLensFlare	Brightness as Long, FlareCenter as Variant, LensType as constant (psZoomLens (1), psPrime35 (2), psPrime105 (3), or psMoviePrime (5))	None	apply the lens flare filter
ApplyMaximum	Radius as Double	None	apply the maximum filter
ApplyMedianNoise	Radius as Double	None	apply the median noise filter
ApplyMinimum	Radius as Double	None	apply the minimum filter
ApplyMotionBlur	Angle as Long, Radius as Double	None	apply the motion blur filter
ApplyNTSC		None	apply the NTSC colors filter
ApplyOceanRipple	Size as Long, Magnitude as Long	None	apply the ocean ripple filter
ApplyOffset	Horizontal as Double, Vertical as Double, UndefinedAreas as constant (psOffsetSetToLayerFill (1), psOffsetWrapAround (2), or psOffsetRepeatEdgePixels (3))	None	apply the offset filter
ApplyPinch	Amount as Long	None	apply the pinch filter

**VBScript Reference**

<b>Method:</b>	<b>Parameters:</b>	<b>Returns:</b>	<b>What it does:</b>
ApplyPolarCoordinates	Conversion as constant (psRectangularToPolar (1) or psPolarToRectangular (2))	None	apply the polar coordinates filter
ApplyRadialBlur	Amount as Long, Blur-Method as constant (psSpin (1) or psZoom (2)), BlurQuality as constant (psRadialBlurDraft (1), psRadialBlurGood (2), or psRadialBlurBest (3))	None	apply the radial blur filter
ApplyRipple	Amount as Long, Size as constant (psSmallRipple (1), psMediumRipple (2), or psLargeRipple (3))	None	apply the ripple filter
ApplySharpen		None	apply the sharpen filter
ApplySharpenEdges		None	apply the sharpen edges filter
ApplySharpenMore		None	apply the sharpen more filter
ApplyShear	Curve as Variant, UndefinedAreas as constant (psWrapAround (1) or psRepeatEdgePixels (2))	None	apply the shear filter
ApplySmartBlur	Radius as Double, Threshold as Double, BlurQuality as constant (psSmartBlurLow (1), psSmartBlurMedium (2), or psSmartBlurHigh (3)), Mode as constant (psSmartBlurNormal (1), psSmartBlurEdgeOnly (2), or psSmartBlurOverlayEdge (3))	None	apply the smart blur filter
ApplySpherize	Amount as Long, Mode as constant (psNormalSpherize (1), psHorizontalSpherize (2), or psVerticalSpherize (3))	None	apply the spherize filter
ApplyStyle	StyleName as String	None	
ApplyTextureFill	TextureFile as String	None	apply the texture fill filter
ApplyTwirl	Angle as Long	None	apply the twirl filter
ApplyUnSharpMask	Amount as Double, Radius as Double, Threshold as Long	None	apply the unsharp mask filter

Method:	Parameters:	Returns:	What it does:
ApplyWave	GeneratorNumber as Long, MinimumWavelength as Long, MaximumWavelength as Long, MinimumAmplitude as Long, MaximumAmplitude as Long, HorizontalScale as Long, VerticalScale as Long, WaveType as constant (psSine (1), psTriangular (2), or psSquare (3)), UndefinedAreas as constant (psWrapAround (1) or psRepeatEdgePixels (2)), RandomSeed as Long	None	apply the wave filter
ApplyZigZag	Amount as Long, Ridges as Long, Style as constant (psAroundCenter (1), psOutFromCenter (2), or psPondRipples (3))	None	apply the zigzag filter
AutoContrast		None	adjust contrast of the selected channels automatically
AutoLevels		None	adjust levels of the selected channels using auto levels option
Clear		None	
Copy	[Merge as Variant]	None	
Cut		None	
Delete		None	delete the object
Desaturate		None	
Duplicate	[RelativeObject as Variant], [InsertionLocation as Variant]	Object	create a duplicate of the object
Equalize		None	equalize the levels
Invert		None	inverts the currently selected layer or channels
Link	Application object	None	link the layer with another layer
Merge		ArtLayer	merges the layer down. This will remove the layer from the document. The method returns a reference to the art layer that this layer is merged into
MixChannels	OutputChannels as Variant, [Monochrome as Variant]	None	only valid for RGB or CMYK documents
Move	Application object, InsertionLocation as constant (psPlaceInside (0), psPlaceAtBeginning (1), psPlaceAtEnd (2), psPlaceBefore (3), or psPlaceAfter (4))	None	move the object
Posterize	Levels as Long	None	

**VBScript Reference**

Rasterize	Target as constant (psText-Contents (1), psShape (2), psFillColor (3), psLayerClippingPath (4), psEntireLayer (5), or psLinkedLayers (6))	None	
Resize	[Horizontal as Variant], [Vertical as Variant], [Anchor as Variant]	None	
Rotate	Angle as Double, [Anchor as Variant]	None	
SelectiveColor	SelectionMethod as constant (psRelative (1) or psAbsolute (2)), [Reds as Variant], [Yellows as Variant], [Greens as Variant], [Cyans as Variant], [Blues as Variant], [Magentas as Variant], [Whites as Variant], [Neutrals as Variant], [Blacks as Variant]	None	
Threshold	Level as Long	None	
Translate	[DeltaX as Variant], [DeltaY as Variant]	None	moves the position relative to its current position
Unlink		None	unlink the layer

# ArtLayers

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	ArtLayer object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

Method:	Parameters:	Return value:	What it does:
Add		ArtLayer	create a new object
Index	ItemPtr as ArtLayer	Long	
RemoveAll		None	

# BitmapConversionOptions

## Properties

Property:	Value type:	Access:	What it is:
Angle	Double	read/write	only valid for 'halftone screen' conversions
Application	Application object	read only	application that the collection belongs to
Frequency	Double	read/write	only valid for 'halftone screen' conversions
Method	PsBitmapConversionType constant (psHalfThreshold (1), psPatternDither (2), psDiffusionDither (3), psHalftoneScreen (4), or psCustomPattern (5))	read/write	( default: DiffusionDither )
PatternName	String	read/write	only valid for 'custom pattern' conversions
Resolution	Double	read/write	output resolution (in pixels per inch)
Shape	PsBitmapHalfToneType constant (psHalftoneRound (1), psHalftoneDiamond (2), psHalftoneEllipse (3), psHalftoneLine (4), psHalftoneSquare (5), or psHalftoneCross (6))	read/write	only valid for 'halftone screen' conversions



# BMPSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
AlphaChannels	Boolean	read/write	save alpha channels
Application	Application object	read only	application that the collection belongs to
Depth	PsBMPDepthType constant (psBMP1Bit (1), psBMP4Bits (4), psBMP8Bits (8), psBMP16Bits (16), psBMP24Bits (24), psBMP32Bits (32), psBMP_X1R5G5B5 (60), psBMP_A1R5G5B5 (61), psBMP_R5G6B5 (62), psBMP_X4R4G4B4 (63), psBMP_A4R4G4B4 (64), psBMP_R8G8B8 (65), psBMP_X8R8G8B8 (66), or psBMP_A8R8G8B8 (67))	read/write	number of bits per sample ( default: BMP24Bits )
FlipRowOrder	Boolean	read/write	
OSType	PsOperatingSystem constant (psOS2 (1) or psWindows (2))	read/write	target OS. Windows or OS/2 ( default: Windows )
RLECompression	Boolean	read/write	should RLE compression be used?

# Channel

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Color	SolidColor object	read only	color of the channel (not valid for component channels)
Histogram	Variant	read only	a histogram of values for the channel
Kind	PsChannelType constant (psComponentChannel (1), psMaskedAreaAlphaChannel (2), psSelectedAreaAlphaChannel (3), or psSpotColorChannel (4))	read only	type of the channel
Name	String	read only	the channel's name
Opacity	Double	read only	opacity of alpha channels (called solidity for spot channels)
Parent	Object	read only	the object's container
Visible	Boolean	read only	

## Methods

Method:	Parameters:	Return value:	What it does:
Delete		None	delete the object
Duplicate	[TargetDocument as Variant]	Channel	duplicate the channel
Merge		None	merge a spot channel into the component channels

# Channels

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	Channel object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

Method:	Parameters:	Return value:	What it does:
Add		Channel	create a new object
Index	ItemPtr as Channel	Long	
RemoveAll		None	

# CMYKColor

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Black	Double	read/write	the black color value (between 0.0 and 100.0)
Cyan	Double	read/write	the cyan color value (between 0.0 and 100.0)
Magenta	Double	read/write	the magenta color value (between 0.0 and 100.0)
Yellow	Double	read/write	the yellow color value (between 0.0 and 100.0)

# DCS1\_SaveOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
DCS	PsDCSType constant (psNoComposite (1), psGrayscaleComposite (2), or psColorComposite (3))	read/write	( default: ColorComposite )
EmbedColorProfile	Boolean	read/write	embed color profile in document
Encoding	PsSaveEncoding constant (psAscii (3), psBinary (1), psJPEGLow (2), psJPEGMedium (4), psJPEGHigh (5), or psJPEGMaximum (6))	read/write	type of encoding to use for document ( default: Binary )
HalftoneScreen	Boolean	read/write	include halftone screen ( default: false )
Interpolation	Boolean	read/write	use image interpolation ( default: false )
Preview	PsPreviewType constant (psNoPreview (1), psMonochromeTIFF (2), or psEightBitTIFF (3))	read/write	type of preview ( default: MonochromeTIFF )
TransferFunction	Boolean	read/write	include transfer functions in document ( default: false )
VectorData	Boolean	read/write	include vector data

## DCS2\_SaveOptions

### Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
DCS	PsDCSType constant (psNoComposite (1), psGrayscaleComposite (2), or psColorComposite (3))	read/write	( default: NoComposite )
EmbedColorProfile	Boolean	read/write	embed color profile in document
Encoding	PsSaveEncoding constant (psAscii (3), psBinary (1), psJPEGLow (2), psJPEGMedium (4), psJPEGHigh (5), or psJPEGMaximum (6))	read/write	type of encoding to use for document ( default: Binary )
HalftoneScreen	Boolean	read/write	include halftone screen ( default: false )
Interpolation	Boolean	read/write	use image interpolation ( default: false )
MultiFileDCS	Boolean	read/write	( default: false )
Preview	PsPreviewType constant (psNoPreview (1), psMonochromeTIFF (2), or psEightBitTIFF (3))	read/write	type of preview ( default: MonochromeTIFF )
SpotColors	Boolean	read/write	save spot colors
TransferFunction	Boolean	read/write	include transfer functions in document ( default: false )
VectorData	Boolean	read/write	include vector data

# Document

## Properties

Property:	Value type:	Access:	What it is:
ActiveChannels	Variant	read only	selected channels for document
ActiveHistoryBrushSource	HistoryState object	read only	the current history state to use with the history brush for this document
ActiveHistoryState	HistoryState object	read only	the current history state for this document
ActiveLayer	Object	read only	selected layer for document
Application	Application object	read only	application that the collection belongs to
ArtLayers	ArtLayers object	read only	the top level art layers in this document
BackgroundLayer	ArtLayer object	read only	background layer for the document. Only valid for documents that have a background layer
BitsPerChannel	PsBitsPerChannelType constant (psDocument1Bit (1), psDocument8Bits (8), or psDocument16Bits (16))	read only	number of bits per channel
Channels	Channels object	read only	the channels in this document
ColorProfileName	String	read only	name of color profile for document. Only valid for documents that have been assigned a color profile
ColorProfileType	PsColorProfileType constant (psNo (1), psWorking (2), or psCustom (3))	read only	type of color profile management for document
ComponentChannels	Variant	read only	all color component channels for this document
FullName	String	read only	full path name of document
Height	Double	read only	height of document (unit value)
Histogram	Variant	read only	a histogram of values for the composite document (only for RGB, CMYK and 'Indexed colors' documents)
HistoryStates	HistoryStates object	read only	the history states associated with this document
Info	DocumentInfo object	read only	document information
LayerComps	LayerComps object	read only	the layer comps associated with this document
Layers	Layers object	read only	the top level layers in this document
LayerSets	LayerSets object	read only	the top level layer sets in this document
Managed	Boolean	read only	is the document a workgroup document?
Mode	PsDocumentMode constant (psGrayscale (1), psRGB (2), psCMYK (3), psLab (4), psBitmap (5), psIndexed-Color (6), psMultiChannel (7), or psDuotone (8))	read only	document mode
Name	String	read only	the document's name
Parent	Object	read only	the object's container
Path	String	read only	the path of the document
PathItems	PathItems object	read only	the art paths associated with this document
PixelAspectRatio	Double	read only	the pixel aspect ration of the document

## VBScript Reference

Method:	Parameters:	Returns:	What it does:
QuickMaskMode	Boolean	read only	is the document in the quick mask mode?
Resolution	Double	read only	the resolution of the document (in pixels per inch)
Saved	Boolean	read only	has the document been saved since last change?
Selection	Selection object	read only	the document's selection
Width	Double	read only	width of document (unit value)
XMPMetadata	XMPMetadata object	read only	

## Methods

Method:	Parameters:	Return value:	What it does:
ChangeMode	DestinationMode as constant (psConvertToGrayscale (1), psConvertToRGB (2), psConvertToCMYK (3), psConvertToLab (4), psConvertToBitmap (5), psConvertToIndexedColor (6), or psConvertToMultiChannel (7)), [Options as Variant]	None	change the mode of the document
Close	[Saving as Variant]	None	close the document
ConvertProfile	DestinationProfile as String, Intent as constant (psPerceptual (1), psSaturation (2), psRelativeColorimetric (3), or psAbsoluteColorimetric (4)), [BlackPointCompensation as Variant], [Dither as Variant]	None	convert the document from using one color profile to using an other
Crop	Bounds as Variant, [Angle as Variant], [Width as Variant], [Height as Variant]	None	crop the document
Duplicate		Document	create a duplicate of the object
Export	ExportIn as String, [ExportAs as Variant], [Options as Variant]	None	
Flatten		None	flatten all layers in the document
FlipCanvas	Direction as constant (psHorizontal (1) or psVertical (2))	None	flip the canvas horizontally or vertically
ImportAnnotations	File as String	None	import annotations into the document
MergeVisibleLayers		None	flatten all visible layers in the document
Paste	[IntoSelection as Variant]	ArtLayer	paste contents of clipboard into the document
PrintOut	[PostScriptEncoding as Variant], [SourceSpace as Variant], [PrintSpace as Variant], [Intent as Variant], [BlackPointCompensation as Variant]	None	print the document



RasterizeAllLayers		None	rasterize all layers
ResizeCanvas	[Width as Variant], [Height as Variant], [Anchor as Variant]	None	change the size of the canvas
ResizeImage	[Width as Variant], [Height as Variant], [Resolution as Variant], [ResampleMethod as Variant]	None	change the size of the image
RevealAll		None	expand document to show clipped sections
RotateCanvas	Angle as Double	None	rotate canvas of document
Save		None	save the document
SaveAs	SaveIn as String, [Options as Variant], [AsCopy as Variant], [ExtensionType as Variant]	None	save the document with specific save options
SplitChannels		Variant	split channels of the document
Trap	Width as Long	None	apply trap to a CMYK document
Trim	[Type as Variant], [Top as Variant], [Left as Variant], [Bottom as Variant], [Right as Variant]	None	

# DocumentInfo

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Author	String	read only	
AuthorPosition	String	read only	
Caption	String	read only	
CaptionWriter	String	read only	
Category	String	read only	
City	String	read only	
Copyrighted	PsCopyrightedType constant (psCopyrightedWork (1), psPublicDomain (2), or psUnmarked (3))	read only	
CopyrightNotice	String	read only	
Country	String	read only	
CreationDate	String	read only	
Credit	String	read only	
EXIF	Variant	read only	
Headline	String	read only	
Instructions	String	read only	
JobName	String	read only	
Keywords	Variant	read only	list of keywords
OwnerUrl	String	read only	
Parent	Object	read only	the object's container
ProvinceState	String	read only	
Source	String	read only	
SupplementalCategories	Variant	read only	
Title	String	read only	
TransmissionReference	String	read only	
Urgency	PsUrgency constant (psNone (0), psLow (1), psTwo (2), psThree (3), psFour (4), psNormal (5), psSix (6), psSeven (7), or psHigh (8))	read only	

# Documents

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	Document object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

Method:	Parameters:	Return value:	What it does:
Add	[Width as Variant], [Height as Variant], [Resolution as Variant], [Name as Variant], [Mode as Variant], [Initial-Fill as Variant], [PixelAspectRatio as Variant]	Document	a document
Index	ItemPtr as Document	Long	

# EPSOpenOptions

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
AntiAlias	Boolean	read/write	use antialias?
Application	Application object	read only	application that the collection belongs to
ConstrainProportions	Boolean	read/write	constrain proportions of image
Height	Double	read/write	height of image (unit value)
Mode	PsOpenDocumentMode constant (psOpenGray (1), psOpenRGB (2), psOpenC- MYK (3), or psOpenLab (4))	read/write	the document mode
Resolution	Double	read/write	the resolution of the document (in pixels per inch)
Width	Double	read/write	width of image (unit value)

# EPSSaveOptions

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
EmbedColorProfile	Boolean	read/write	embed color profile in document
Encoding	PsSaveEncoding constant (psAscii (3), psBinary (1), psJPEGLow (2), psJPEGMedium (4), psJPEGHigh (5), or psJPEGMaximum (6))	read/write	type of encoding to use for document ( default: Binary )
HalftoneScreen	Boolean	read/write	include halftone screen ( default: false )
Interpolation	Boolean	read/write	use image interpolation ( default: false )
Preview	PsPreviewType constant (psNoPreview (1), psMonochromeTIFF (2), or psEightBitTIFF (3))	read/write	type of preview ( default: MonochromeTIFF )
PSColorManagement	Boolean	read/write	use Postscript color management ( default: false )
TransferFunction	Boolean	read/write	include transfer functions in document ( default: false )
TransparentWhites	Boolean	read/write	only valid when saving BitMap documents
VectorData	Boolean	read/write	include vector data

# ExportOptionsIllustrator

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Path	PsIllustratorPathType constant (psDocumentBounds (1), psAllPaths (2), or psNamedPath (3))	read/write	which path to export ( default: DocumentBounds )
PathName	String	read/write	name of path to export. Only valid if you are exporting a named path

# GalleryBannerOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
ContactInfo	String	read/write	web photo gallery contact info ( default: )
Date	String	read/write	web photo gallery date ( default: )
Font	PsGalleryFontType constant (psArial (1), psCourierNew (2), psHelvetica (3), or psTimesNewRoman (4))	read/write	the font setting for the banner text ( default: Arial )
FontSize	Long	read/write	the size of the font for the banner text ( 1 - 7; default: 3 )
Photographer	String	read/write	web photo gallery photographer ( default: )
SiteName	String	read/write	web photo gallery site name ( default: Adobe Web Photo Gallery )

# GalleryCustomColorOptions

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
ActiveLinkColor	RGBColor object	read/write	active link color
Application	Application object	read only	application that the collection belongs to
BackgroundColor	RGBColor object	read/write	background color
BannerColor	RGBColor object	read/write	banner color
LinkColor	RGBColor object	read/write	link color
TextColor	RGBColor object	read/write	text color
VisitedLinkColor	RGBColor object	read/write	visited link color



# GalleryImagesOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Border	Long	read/write	the amount of border pixels you want between your images ( 0 - 99; default: 0 )
Caption	Boolean	read/write	generate a caption for the images ( default: false )
Dimension	Long	read/write	resized image dimensions in pixels ( default: 350 )
Font	PsGalleryFontType constant (psArial (1), psCourierNew (2), psHelvetica (3), or psTimesNewRoman (4))	read/write	font for the gallery images text ( default: Arial )
FontSize	Long	read/write	font size for the gallery images text ( 1 - 7; default: 3 )
ImageQuality	Long	read/write	the quality setting for the JPEG image ( 0 - 12; default: 5 )
IncludeCopyright	Boolean	read/write	include the copyright in the text for the gallery images ( default: false )
IncludeCredits	Boolean	read/write	include the credits in the text for the gallery images ( default: false )
IncludeFilename	Boolean	read/write	include the file name in the text for the gallery images ( default: true )
IncludeTitle	Boolean	read/write	include the title in the text for the gallery images ( default: false )
NumericLinks	Boolean	read/write	add numeric links ( default: true )
ResizeConstraint	PsGalleryConstrainType constant (psConstrain-Width (1), psConstrain-Height (2), or psConstrain-Both (3))	read/write	how should the image be constrained ( default: ConstrainBoth )
ResizeImages	Boolean	read/write	resize images data ( default: true )

# GalleryOptions

## Properties

Property:	Value type:	Access:	What it is:
AddSizeAttributes	Boolean	read/write	add width and height attributes for images ( default: true )
Application	Application object	read only	application that the collection belongs to
BannerOptions	GalleryBannerOptions object	read/write	options related to banner settings
CustomColorOptions	GalleryCustomColorOptions object	read/write	options related to custom color settings
EmailAddress	String	read/write	the email address to show on the web page ( default: )
ImagesOptions	GalleryImagesOptions object	read/write	options related to images settings
IncludeSubFolders	Boolean	read/write	include all files found in sub folders of the input folder ( default: true )
LayoutStyle	String	read/write	the style to use for laying out the web page ( default: Centered Frame 1 - Basic )
PreserveAllMetadata	Boolean	read/write	save all of the metadata in the JPEG files ( default: false )
SecurityOptions	GallerySecurityOptions object	read/write	options related to security settings
ThumbnailOptions	GalleryThumbnailOptions object	read/write	options related to thumbnail settings
UseShortExtension	Boolean	read/write	short web page extension .htm or long web page extension .html ( default: true )
UseUTF8Encoding	Boolean	read/write	web page should use UTF-8 encoding ( default: false )

# GallerySecurityOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Content	PsGallerySecurityType constant (psNoSecurity (1), psCustomSecurityText (2), psFilename (3), psCopyright (4), psCaption (5), psCredit (6), or psTitle (7))	read/write	web photo gallery security content ( default: NoSecurity )
Font	PsGalleryFontType constant (psArial (1), psCourierNew (2), psHelvetica (3), or psTimesNewRoman (4))	read/write	web photo gallery security font ( default: Arial )
FontSize	Long	read/write	web photo gallery security font size ( minimum 1; default: 36 )
Opacity	Long	read/write	web page security opacity as a percent ( default: 100 )
Text	String	read/write	web photo gallery security custom text ( default: )
TextColor	RGBColor object	read/write	web page security text color
TextPosition	PsGallerySecurityTextPositionType constant (psCentered (1), psUpperLeft (2), psLowerLeft (3), psUpperRight (4), or psLowerRight (5))	read/write	web photo gallery security text position ( default: Centered )
TextRotate	PsGallerySecurityTextRotateType constant (psZero (1), psClockwise45 (2), psClockwise90 (3), psCounterClockwise45 (4), or psCounterClockwise90 (5))	read/write	web photo gallery security text rotate ( default: Zero )

# GalleryThumbnailOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Border	Long	read/write	the amount of border pixels you want around your thumbnail images ( 0 - 99; default: 0 )
Caption	Boolean	read/write	with caption ( default: false )
ColumnCount	Long	read/write	web photo gallery thumbnail columns ( default: 5 )
Dimension	Long	read/write	web photo gallery thumbnail dimension in pixels ( default: 75 )
Font	PsGalleryFontType constant (psArial (1), psCourierNew (2), psHelvetica (3), or psTimesNewRoman (4))	read/write	web photo gallery font ( default: Arial )
FontSize	Long	read/write	the size of the font for the thumbnail images text ( 1 - 7; default: 3 )
IncludeCopyright	Boolean	read/write	include copyright for thumbnail ( default: false )
IncludeCredits	Boolean	read/write	include credits for thumbnail ( default: false )
IncludeFilename	Boolean	read/write	include file name for thumbnail ( default: false )
IncludeTitle	Boolean	read/write	include title for thumbnail ( default: false )
RowCount	Long	read/write	web photo gallery thumbnail rows ( default: 3 )
Size	PsGalleryThumbSizeType constant (psSmall (1), psMedium (2), psLarge (3), or psCustomThumbnail (4))	read/write	the size of the thumbnail images ( default: Medium )

# GIFSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Colors	Long	read/write	number of colors in palette (only settable for some palette types)
Dither	PsDitherType constant (psNoDither (1), psDiffusion (2), psPattern (3), or psNoise (4))	read/write	type of dither
DitherAmount	Long	read/write	amount of dither. Only valid for diffusion ( 1 - 100; default: 75 )
Forced	PsForcedColors constant (psNoForced (1), psBlackWhite (2), psPrimaries (3), or psWeb (4))	read/write	
Interlaced	Boolean	read/write	should rows be interlaced? ( default: false )
Matte	PsMatteType constant (psNoMatte (1), psForegroundColorMatte (2), psBackgroundColorMatte (3), psWhiteMatte (4), psBlackMatte (5), psSemiGray (6), or psNetscapeGrayMatte (7))	read/write	
Palette	PsPaletteType constant (psExact (1), psMacOSPalette (2), psWindowsPalette (3), psWebPalette (4), psUniform (5), psLocalPerceptual (6), psLocalSelective (7), psLocalAdaptive (8), psMasterPerceptual (9), psMasterSelective (10), psMasterAdaptive (11), or psPreviousPalette (12))	read/write	( default: LocalSelective )
PreserveExactColors	Boolean	read/write	
Transparency	Boolean	read/write	

# GrayColor

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Gray	Double	read/write	the gray value ( 0.0 - 100.0; default: 0.0 )

# HistoryState

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Name	String	read only	the history state's name
Parent	Object	read only	the object's container
Snapshot	Boolean	read only	is the history state a snapshot?

# HistoryStates

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	HistoryState object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

Method:	Parameters:	Return value:	What it does:
Index	ItemPtr as HistoryState	Long	



# HSBColor

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Brightness	Double	read/write	the brightness value (between 0.0 and 100.0)
Hue	Double	read/write	the hue value (between 0.0 and 360.0)
Saturation	Double	read/write	the saturation value (between 0.0 and 100.0)

# IndexedConversionOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Colors	Long	read/write	number of colors in palette (only settable for some palette types)
Dither	PsDitherType constant (psNoDither (1), psDiffusion (2), psPattern (3), or psNoise (4))	read/write	type of dither
DitherAmount	Long	read/write	amount of dither. Only valid for diffusion ( 1 - 100 )
Forced	PsForcedColors constant (psNoForced (1), psBlackWhite (2), psPrimaries (3), or psWeb (4))	read/write	
Matte	PsMatteType constant (psNoMatte (1), psForegroundColorMatte (2), psBackgroundColorMatte (3), psWhiteMatte (4), psBlackMatte (5), psSemiGray (6), or psNetscapeGrayMatte (7))	read/write	
Palette	PsPaletteType constant (psExact (1), psMacOSPalette (2), psWindowsPalette (3), psWebPalette (4), psUniform (5), psLocalPerceptual (6), psLocalSelective (7), psLocalAdaptive (8), psMasterPerceptual (9), psMasterSelective (10), psMasterAdaptive (11), or psPreviousPalette (12))	read/write	Type of palette ( default: Exact )
PreserveExactColors	Boolean	read/write	
Transparency	Boolean	read/write	

# JPEGSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
EmbedColorProfile	Boolean	read/write	embed color profile in document
FormatOptions	PsFormatOptionsType constant (psStandardBaseline (1), psOptimizedBaseline (2), or psProgressive (3))	read/write	( default: StandardBaseline )
Matte	PsMatteType constant (psNoMatte (1), psForegroundColorMatte (2), psBackgroundColorMatte (3), psWhiteMatte (4), psBlackMatte (5), psSemiGray (6), or psNetscapeGrayMatte (7))	read/write	
Quality	Long	read/write	quality of produced image ( 0 - 12; default: 3 )
Scans	Long	read/write	number of scans. Only valid for progressive type JPEG files ( 3 - 5 )

# LabColor

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
A	Double	read/write	the a-value (between -128.0 and 127.0)
Application	Application object	read only	application that the collection belongs to
B	Double	read/write	the b-value (between -128.0 and 127.0)
L	Double	read/write	the L-value (between 0.0 and 100.0)

# LayerComp

## Properties

Property:	Value type:	Access:	What it is:
Appearance	Boolean	read only	use layer appearance
Application	Application object	read only	application that the collection belongs to
Comment	Variant	read only	the description of the layer comp
Name	String	read only	the name of the layer comp
Parent	Object	read only	the object's container
Position	Boolean	read only	use layer position
Selected	Boolean	read only	the layer comp is currently selected
Visibility	Boolean	read only	use layer visibility

## Methods

Method:	Parameters:	Return value:	What it does:
Apply		None	apply the layer comp to the document
Delete		None	delete the object
Recapture		None	recapture the current layer state(s) for this layer comp
ResetFromComp		None	reset the layer comp state to the document state

# LayerComps

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	LayerComp object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

Method:	Parameters:	Return value:	What it does:
Add	Name as String, [Comment as Variant], [Appearance as Variant], [Position as Variant], [Visibility as Variant]	LayerComp	a layer comp
Index	ItemPtr as LayerComp	Long	
RemoveAll		None	

# Layers

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	Object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

<b>Method:</b>	<b>Parameters:</b>	<b>Return value:</b>	<b>What it does:</b>
Index	Application object	Long	
RemoveAll		None	

# LayerSet

## Properties

Property:	Value type:	Access:	What it is:
AllLocked	Boolean	read only	
Application	Application object	read only	application that the collection belongs to
ArtLayer	ArtLayer object	read only	If the Layer is a ArtLayer then this property will return a reference to the corresponding ArtLayer object
ArtLayers	ArtLayers object	read only	the art layers in this layer set
BlendMode	PsBlendMode constant (psPassThrough (1), psNormalBlend (2), psDissolve (3), psDarken (4), psMultiply (5), psColorBurn (6), psLinearBurn (7), psLighten (8), psScreen (9), psColorDodge (10), psLinearDodge (11), psOverlay (12), psSoftLight (13), psHardLight (14), psVividLight (15), psLinearLight (16), psPinLight (17), psDifference (18), psExclusion (19), psHue (20), psSaturationBlend (21), psColorBlend (22), or psLuminosity (23))	read only	
Bounds	Variant	read only	Bounding rectangle of the Layer
EnabledChannels	Variant	read only	channels that are enabled for the layer set. Must be a list of component channels
Layer	Object	read only	The Layer corresponding to the LayerSet
Layers	Layers object	read only	the layers in this layer set
LayerSet	LayerSet object	read only	If the Layer is a LayerSet then this property will return a reference to the corresponding LayerSet object
LayerSets	LayerSets object	read only	the top level layer sets in this document
LayerType	PsLayerType constant (psArtLayer (1) or psLayerSet (2))	read only	Type of the Layer
LinkedLayers	Variant	read only	
Name	String	read only	the name of the layer
Opacity	Double	read only	master opacity of layer ( 0.0 - 100.0 )
Parent	Object	read only	the object's container
Visible	Boolean	read only	

## Methods

Method:	Parameters:	Return value:	What it does:
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Delete		None	delete the object
Duplicate	[RelativeObject as Variant], [InsertionLocation as Variant]	Object	create a duplicate of the object
Link	Application object	None	link the layer with another layer
Merge		ArtLayer	merge layerset. Returns a reference to the art layer that is created by this method
Move	Application object, InsertionLocation as constant (psPlaceInside (0), psPlaceAtBeginning (1), psPlaceAtEnd (2), psPlaceBefore (3), or psPlaceAfter (4))	None	move the object
Resize	[Horizontal as Variant], [Vertical as Variant], [Anchor as Variant]	None	
Rotate	Angle as Double, [Anchor as Variant]	None	
Translate	[DeltaX as Variant], [DeltaY as Variant]	None	moves the position relative to its current position
Unlink		None	unlink the layer

# LayerSets

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	LayerSet object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

<b>Method:</b>	<b>Parameters:</b>	<b>Return value:</b>	<b>What it does:</b>
Add		LayerSet	create a new object
Index	ItemPtr as LayerSet	Long	
RemoveAll		None	

# NoColor

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to

# PathItem

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Kind	PsPathKind constant (psNormalPath (1), psClippingPath (2), psWorkPath (3), psVectorMask (4), or psTextMask (5))	read only	
Name	String	read only	the name of the path item
Parent	Object	read only	the object's container
SubPathItems	SubPathItems object	read only	sub items for this path item

## Methods

Method:	Parameters:	Return value:	What it does:
Delete		None	delete the object
Deselect		None	unselect this path item, no paths items are selected
Duplicate	[Name as Variant]	None	duplicate this path
FillPath	[FillColor as Variant], [Mode as Variant], [Opacity as Variant], [PreserveTransparency as Variant], [Feather as Variant], [AntiAlias as Variant], [WholePath as Variant]	None	fill the path with the following information
MakeClippingPath	[Flatness as Variant]	None	make this path item the clipping path for this document
MakeSelection	[Feather as Variant], [AntiAlias as Variant], [Operation as Variant]	None	make a selection from this path
Select		None	make this path item the active or selected path item
StrokePath	[Tool as Variant], [SimulatePressure as Variant]	None	stroke the path with the following information

# PathItems

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	PathItem object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

Method:	Parameters:	Return value:	What it does:
Add	Name as String, EntirePath as Variant	PathItem	create a new path item
Index	ItemPtr as PathItem	Long	
RemoveAll		None	

# PathPoint

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Anchor	Variant	read only	the position (coordinates) of the anchor point
Application	Application object	read only	application that the collection belongs to
Kind	PsPointKind constant (psSmoothPoint (1) or psCornerPoint (2))	read only	the type of point: smooth/corner
LeftDirection	Variant	read only	location of the left direction point (in position)
Parent	Object	read only	the object's container
RightDirection	Variant	read only	location of the right direction point (out position)

# PathPointInfo

## Properties

Property:	Value type:	Access:	What it is:
Anchor	Variant	read/write	the position of the anchor (in coordinates)
Application	Application object	read only	application that the collection belongs to
Kind	PsPointKind constant (psSmoothPoint (1) or psCornerPoint (2))	read/write	the point type, smooth/corner
LeftDirection	Variant	read/write	location of the left direction point (in position)
RightDirection	Variant	read/write	location of the left direction point (out position)

# PathPoints

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
Application	Application object	read only	application that the collection belongs to
Count	Long	read only	number of elements in the collection
Item	PathPoint object	read only	get an element from the collection
Parent	Object	read only	the object's container

## Methods

<b>Method:</b>	<b>Parameters:</b>	<b>Return value:</b>	<b>What it does:</b>
Index	ItemPtr as PathPoint	Long	



# PDFOpenOptions

## Properties

Property:	Value type:	Access:	What it is:
AntiAlias	Boolean	read/write	use antialias?
Application	Application object	read only	application that the collection belongs to
ConstrainProportions	Boolean	read/write	constrain proportions of image
Height	Double	read/write	height of image (unit value)
Mode	PsOpenDocumentMode constant (psOpenGray (1), psOpenRGB (2), psOpenCMYK (3), or psOpenLab (4))	read/write	the document mode
Page	Long	read/write	number of page to open
Resolution	Double	read/write	the resolution of the document (in pixels per inch)
Width	Double	read/write	width of image (unit value)

# PDFSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
AlphaChannels	Boolean	read/write	save alpha channels
Annotations	Boolean	read/write	save annotations
Application	Application object	read only	application that the collection belongs to
DowngradeColorProfile	Boolean	read/write	should the embedded color profile be downgraded to version 2
EmbedColorProfile	Boolean	read/write	embed color profile in document
EmbedFonts	Boolean	read/write	embed fonts? Only valid if a text layer is included
Encoding	PsPDFEncodingType constant (psPDFZip (1) or psPDFJPEG (2))	read/write	( default: PDFZip )
Interpolation	Boolean	read/write	use image interpolation?
JPEGQuality	Long	read/write	quality of produced image. Only valid for JPEG encoded PDF documents ( 0 - 12 )
Layers	Boolean	read/write	save layers
SpotColors	Boolean	read/write	save spot colors
Transparency	Boolean	read/write	
UseOutlines	Boolean	read/write	use outlines for text? Only valid if vector data is included
VectorData	Boolean	read/write	include vector data

# PhotoCDOpenOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
ColorProfileName	String	read/write	profile to use when reading the image
ColorSpace	PsPhotoCDColorSpace constant (psRGB8 (1), psRGB16 (2), psLab8 (3), or psLab16 (4))	read/write	colorspace for image
Orientation	PsOrientation constant (psLandscape (1) or psPortrait (2))	read/write	
PixelSize	PsPhotoCDSize constant (psMinimumPhotoCD (1), psSmallPhotoCD (2), psMediumPhotoCD (3), psLargePhotoCD (4), psExtraLargePhotoCD (5), or psMaximumPhotoCD (6))	read/write	dimensions of image
Resolution	Double	read/write	the resolution of the image (in pixels per inch)

# PhotoshopSaveOptions

## Properties

<b>Property:</b>	<b>Value type:</b>	<b>Access:</b>	<b>What it is:</b>
AlphaChannels	Boolean	read/write	save alpha channels
Annotations	Boolean	read/write	save annotations
Application	Application object	read only	application that the collection belongs to
EmbedColorProfile	Boolean	read/write	embed color profile in document
Layers	Boolean	read/write	save layers
SpotColors	Boolean	read/write	save spot colors

# PICTFileSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
AlphaChannels	Boolean	read/write	save alpha channels
Application	Application object	read only	application that the collection belongs to
Compression	PsPICTCompression constant (psNoPICTCompression (1), psJPEGLowPICT (2), psJPEGMediumPICT (4), psJPEGHighPICT (5), or psJPEGMaximumPICT (6))	read/write	( default: NoPICTCompression )
EmbedColorProfile	Boolean	read/write	embed color profile in document
Resolution	PsPICTBitsPerPixels constant (psPICT2Bits (2), psPICT4Bits (4), psPICT8Bits (8), psPICT16Bits (16), or psPICT32Bits (32))	read/write	number of bits per pixel

# PixarSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
AlphaChannels	Boolean	read/write	save alpha channels
Application	Application object	read only	application that the collection belongs to

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# PNGSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
Application	Application object	read only	application that the collection belongs to
Interlaced	Boolean	read/write	should rows be interlaced? ( default: false )

# PixarSaveOptions

## Properties

Property:	Value type:	Access:	What it is:
AlphaChannels	Boolean	read/write	save alpha channels
Application	Application object	read only	application that the collection belongs to