Shape

Description

The `Shape` class allows the appearance and behavior of drawing object to be manipulated. On its own, Shape represents a simple auto shape, such as a line, rectangle, or oval. A shape may also represent the display area of a Comment or the size, position, and formatting of a Picture.

> **C#**
>
> ```
> public class Shape
> ```

> **vb.net**
>
> ```
> Public Class Shape
> ```

Remarks

Once a `Shape` is created with a particular ShapeType, the type may not be changed. Instead, delete the shape and create a new one with the appropriate type.

To create a `Shape` object, call Shapes.CreateShape.

Properties

Name	Description
FillColor	Sets or returns the shape's fill color. The color may be either a custom color or a palette color.
FillTransparency	Sets or returns the fill transparency the shape as a real number value between 0 (opaque) and 1 (transparent).
FitToText	Sets or returns whether the shape will be automatically sized to fit the text.
Height	Sets or returns the height of the Shape.
HorizontalAlignment	Sets or returns the horizontal alignment of text within the shape.
LineColor	Sets or returns the Shape 's line color.
LockAspectRatio	Sets or returns whether the aspect ratio of the shape will be locked in Excel. This setting has no effect within ExcelWriter.
Name	Returns the name associated with this shape.
ObjectPositioning	Sets or returns the ObjectPositioning value that determines the shape's resize and reposition behavior when the cells in the worksheet are changed.
Position	Sets or returns the Shape's position in the worksheet. This property determines the location of the shape's upper left corner.
Rotation	Sets or returns the rotation angle of the shape.
Text	Sets or returns the text displayed within the shape.
Type	Returns the Shape object's type. This property may not be changed.
VerticalAlignment	Sets or returns the vertical alignment of text within the shape.

Width	Sets or returns the width of the Shape.

Methods

Name	Description
ClearRichTextFormatting()	Clears all rich text formatting within the shape. The font of the shape will be set to the normal font of the workbook.
GetCharacters(Int32)	Returns a CharacterRun object representing a range of characters within the comment text. Use this to set the font on specified characters within the text.
GetCharacters(Int32, Int32)	Returns a CharacterRun object representing a range of characters within the comment text. Use this to set the font on specified characters within the text.
SetCustomFillColor(Int32, Int32, Int32)	Sets the fill color for the shape to be the specified custom RGB value, and returns the generated Color. This method allows a shape to have a color not defined in the worksheet's Palette.
SetCustomLineColor(Int32, Int32, Int32)	Sets the line color for the shape to be the specified custom RGB value, and returns the generated Color. This method allows a shape to have a line color not defined in the worksheet's Palette.