

ColumnProperties

Description

The [ColumnProperties](#) class represents a single column in a worksheet.

C#

```
public sealed class ColumnProperties
```

vb.net

```
Public NotInheritable Class ColumnProperties
```

Remarks

To return a [ColumnProperties](#) object, use [Worksheet.GetColumnProperties\(\)](#). The following sample gets the column properties for the first column of the first worksheet.

Examples

C#

```
ExcelApplication xla = new ExcelApplication();  
Workbook wb = xla.Create();  
Worksheet ws = wb.Worksheets[0];  
ColumnProperties colProps = ws.GetColumnProperties(0);
```

vb.net

```
Dim xla As New ExcelApplication()  
Dim wb As Workbook = xla.Create()  
Dim ws As Worksheet = wb.Worksheets(0)  
Dim colProps As ColumnProperties = ws.GetColumnProperties(0)
```

Properties

| Name | Description |
|------|-------------|
|------|-------------|

| | |
|------------------|--|
| ColumnNumber | Returns the column's 0-based index. |
| Hidden | Sets or returns whether or not the column will be hidden when the workbook is opened in Excel. |
| OutlineCollapsed | Sets or returns whether the column's outlined column group is collapsed. If the outline is collapsed, the column is hidden. |
| OutlineLevel | Sets or returns the outline level of the column, as a value between 0 and 7. The outline level is used to control grouping in Excel. For example, to group several columns, set their outline levels to 1; to group a subset of columns within the group, set their outline levels to 2. |
| PaddingInChars | Returns 'padding' (in characters) that needs to be added to the column width (in characters) to get true width of this column. |
| Style | Sets or returns a Style object that determines how cells in the column look, including number format, font, orientation, etc. |
| Width | Sets or returns the width of the column in points (1/72 of an inch). |
| WidthInChars | Sets or returns the width of the column as a number of '0' characters in the font of the 'Normal' style. This must be a value between 0 - 255. |

Methods

| Name | Description |
|-----------------------------------|--|
| ApplyStyle(Style) | Applies a style to the column. When a style is applied - rather than set (see ColumnProperties.Style) - only the differences between the new style and style properties previously assigned to the column (through the ExcelWriter API or in Microsoft Excel) will take effect. For example, if a cell in the column has a background color and the new style applied does not contain a background color, the cell's color will not be affected. |
| AutoFitWidth() | Automatically sets the width of the column to the width of the widest cell value in the column. |