

TableCell

Description

Represents a table cell in a table in the Word document.

C#

```
public sealed class TableCell : Element
```

vb.net

```
Public NotInheritable Class TableCell  
    Inherits Element
```

Remarks

New table cells are created when you create a new [Table](#). They cannot be created independent of a [Table](#) using the `new` keyword.

To retrieve and manipulate a table cell, use array index notation on a [Table](#) object. You can also use [Element.GetElements\(Element.Type.Table Cell\)](#) to get all elements, of which you can check which ones are of type [TableCell](#).

The following sample demonstrates getting a reference to a table cell at column 3 (4th column), row 2 (3rd row).

Examples

C#

```
WordApplication app = new WordApplication();  
Document doc = app.Open(@"C:\sample.doc");  
Table table = (Table)doc.GetElements(Element.Type.Table)[0];  
TableCell cell = table[3, 2];
```

vb.net

```
Dim app As New WordApplication()  
Dim doc As Document = app.Open("C:\sample.doc")  
Dim table As Table = doc.GetElements(Element.Type.Table)(0)  
Dim cell As TableCell = table(3, 2)
```

Properties

| Name | Description |
|-------------------------------------|--|
| CellWidthUnits | Sets or returns a TableCell.WidthUnits object that represents the cell width units for this cell. |
| FirstMerged | Returns or sets a <code>boolean</code> that represents if this is the first cell in a group of horizontally merged cells. The first cell will contain all the content. |
| FirstVerticalMerged | Sets or returns whether the current cell is the first cell in a group of vertically merged cells. The first cell will contain all the content. |
| Merged | Sets or returns whether this cell has been merged with a preceding horizontal cell. |
| NoWrap | Returns or sets a <code>boolean</code> that represents if Word will prevent text from wrapping in this table cell. |
| PreferredWidth | Returns or sets an <code>int</code> that represents the preferred width of this cell. In order to set this property, the CellWidthUnits property must first be set. The width is returned in twips. One twip = (1/20 pt) or (1/1440 in). |
| Shading | Returns an Shading object which on which you can manipulate the shading (fill color and/or pattern) properties for this cell. |
| VertAlignment | Returns or sets a TableCell.VerticalAlignment object that represents the vertical alignment of the text in this cell. |
| VerticalMerged | Returns or sets a <code>boolean</code> that represents if this cell is merged with one or more cells vertically. The first cell will contain all the content. |

Methods

| Name | Description |
|---|---|
| ApplyFont(Font) | Applies Font properties to all text in this TableCell . The font properties will not be applied to text inside nested tables. |
| ApplyParagraphFormatting(ParagraphFormatting) | Applies ParagraphFormatting to all paragraphs in this TableCell . The ParagraphFormatting will not be applied to paragraphs inside nested tables. |
| GetBorder(Border.Location) | Returns a Border object that lets you manipulate the border this table cell at a particular location. |
| GetPadding(TableCell.Location) | Returns an <code>int</code> that represents this table cell margin at a particular location in twips. One twip = (1/20 pt) or (1/1440 in) |
| SetPadding(TableCell.Location, Int32) | Sets an <code>int</code> that represents this table cell margin at a particular location in twips. One twip = (1/20 pt) or (1/1440 in) |

Nested Classes

| Name | Description |
|-----------------------------------|--|
| Location | Locations within a table cell for which padding values can be set. |
| VerticalAlignment | Vertical alignments for a table cell. |
| WidthUnits | Units used for setting a table cell width. |