

# Cell

## Description

A `Cell` object represents a single cell in a worksheet. To return a `Cell` object use `Worksheet.Cells`. Specify the cell by 0-based row and column indexes or by Excel-style reference:

**C#**

```
public sealed class Cell
```

**vb.net**

```
Public NotInheritable Class Cell
```

## Examples

**C#**

```
//--- Get Cell by Excel-style reference
ExcelApplication xla = new ExcelApplication();
Workbook wb = xla.Create();
Worksheet ws = wb.Worksheets[0];
Cell cellA1 = ws.Cells[0,0];

//--- Get Cell by Excel-style reference
ExcelApplication xla = new ExcelApplication();
Workbook wb = xla.Create();
Worksheet ws = wb.Worksheets[0];
Cell cellA1 = ws.Cells["A1"];
```

## vb.net

```
'--- Get Cell by Excel-style reference
Dim xla As New ExcelApplication()
Dim wb As Workbook = xla.Create()
Dim ws As Worksheet = wb.Worksheets(0)
Dim cellA1 As Cell = ws.Cells(0, 0)

'--- Get Cell by Excel-style reference
Dim xla As New ExcelApplication()
Dim wb As Workbook = xla.Create()
Dim ws As Worksheet = wb.Worksheets(0)
Dim cellA1 As Cell = ws.Cells("A1")
```

## Properties

Name	Description
ColumnNumber	Returns the cell's 0-based column number.
Comment	Returns a <a href="#">Comment</a> object representing a note attached to the cell, separate from other cell content. If a comment is not associated with the specified cell, a new comment will be created and returned.
ConditionalFormat	Returns the <a href="#">ConditionalFormat</a> object associated with the current <a href="#">Cell</a> . If a <a href="#">ConditionalFormat</a> object does not exist, a new one will be created. Any changes made to the object returned will only affect this <a href="#">Cell</a> .
DataValidation	Returns the cell's <a href="#">DataValidation</a> object if one exists. Otherwise, returns 'null'.
Formula	Sets or returns a cell formula. If no formula is associated with the cell, the property returns an empty string.
HasComment	Returns <code>true</code> if a <a href="#">Comment</a> object is associated with the cell.
HasConditionalFormat	Returns whether or not the <a href="#">Cell</a> contains a <a href="#">ConditionalFormat</a> object.
HasDataValidation	Returns <code>true</code> if the cell has a <a href="#">DataValidation</a> object associated with it.
IsMerged	Returns whether or not the <a href="#">Cell</a> is a merged cell.
Name	Returns the cell's Excel-style name (such as, "B5").
RowNumber	Returns the cell's 0-based row number.
Style	Sets or returns a <a href="#">Style</a> object that determines how the cell looks, including number format, font, orientation, etc. Accessing the cell's style through <a href="#">Cell.Style</a> will not affect the formatting of other cells with the same global style.
Value	Sets or returns a cell value. Empty cells will return either null or empty string.
ValueType	Returns the data type of the cell's value: "Blank", "Boolean", "Date", "Error", "Numeric", or "Text".

## Methods

Name	Description
<a href="#">ApplyStyle(Style)</a>	Applies a style to the cell. When a style is applied - rather than set (see <a href="#">Cell.Style</a> ) - only the differences between the new style and style properties previously assigned to the cell (through the ExcelWriter API) will take effect. For example, if the cell has a background color and the new style applied does not contain a background color, the cell's color will not be affected. However, if the new style includes a background color, it will replace the existing background color of the cell.
<a href="#">ClearContent()</a>	Clears a cell's content. Calling this method is equivalent to setting a cell's value to null.
<a href="#">ClearRichTextFormatting()</a>	Clears all rich text formatting within the cell. The font of the text will be set to that set in <a href="#">Cell.Style.Font</a> .
<a href="#">CreateAnchor(Int32, Int32)</a>	Creates an anchor within the specified cell. An anchor represents the position of a floating (non-cell data) object within a spreadsheet.
<a href="#">CreateHyperlink(String)</a>	Creates a new hyperlink in the cell pointing to the specified href. This hyperlink is automatically added to the worksheet. The cell value will be converted to hyperlinks.
<a href="#">GetCharacters(Int32)</a>	Returns a <a href="#">CharacterRun</a> object representing a range of characters within the cell. Use this property to set the font on specified characters within the cell.
<a href="#">GetCharacters(Int32, Int32)</a>	Returns a <a href="#">CharacterRun</a> object representing a range of characters within the cell. Use this method to set the font on specified characters within the cell.
<a href="#">RemoveComment()</a>	Removes the comment associated with the cell. A comment is a note attached to the cell, separate from other cell content. To find out if a comment is attached to the cell, use <a href="#">Cell.HasComment</a> .
<a href="#">RemoveConditionalFormat()</a>	Removes any <a href="#">ConditionalFormat</a> objects from the current <a href="#">Cell</a> .
<a href="#">RemoveDataValidation()</a>	Removes the <a href="#">DataValidation</a> object associated with the cell.
<a href="#">SetConditionalFormat(ConditionalFormat)</a>	Applies the specified <a href="#">ConditionalFormat</a> to the current <a href="#">Cell</a> . If the cell already has a <a href="#">ConditionalFormat</a> , it will be replaced by the specified <a href="#">ConditionalFormat</a> .
<a href="#">ToString()</a>	Returns a string representation of the <a href="#">Cell</a> object.
<a href="#">Unmerge()</a>	Unmerges the current cell. A merged cell is referenced using the location of the leftmost, topmost constituent cell.

## Nested Classes

Name	Description
<a href="#">CellValueType</a>	A <a href="#">CellValueType</a> value specifies the data type of the cell's value.