

# Section

## Description

This class is used to represent a section of the document. Many documents will only contain one section. More complex documents will divide the document into multiple sections. A section can be roughly correlated to a chapter in a book. Each section can have different formatting settings, including:

**C#**

```
public sealed class Section : Element
```

**vb.net**

```
Public NotInheritable Class Section  
    Inherits Element
```

## Remarks

To create a new section, use [Element.CreateSectionBefore\(\)](#).

To get an existing section, use [Document.Sections](#).

The following sample shows you how to get the add a new section to a document and how to get the first section of a document.

## Examples

**C#**

```
//--- Add a new section to a document  
WordApplication app = new WordApplication();  
Document doc = app.Open(@"C:\sample.doc");  
Section sect = doc.CreateSectionAfter();  
  
//--- Get the first section of a document  
WordApplication app = new WordApplication();  
Document doc = app.Open(@"C:\sample.doc");  
Section sect1 = doc.Sections[0];
```

## vb.net

```
'--- Add a new section to a document
Dim app As New WordApplication()
Dim doc As Document = app.Open("C:\sample.doc")
Dim sect As Section = doc.CreateSectionAfter()

'--- Get the first section of a document
Dim app As New WordApplication()
Dim doc As Document = app.Open("C:\sample.doc")
Dim sect As Section = doc.Sections(0)
```

## Properties

Name	Description
<a href="#">BorderAlwaysInFront</a>	Sets or returns a <code>boolean</code> that represents whether or not page borders for this section will always display in front of any objects it may overlap.
<a href="#">BorderAppliedTo</a>	Sets or returns a <a href="#">BorderArea</a> object that represents where the page border will be applied to.
<a href="#">BorderOffsetsFromPage</a>	Sets or returns a <code>boolean</code> that represents whether or not the padding for this section's page border will be measured from the edge of the page or from the text it surrounds.
<a href="#">BottomMargin</a>	Sets or returns an <code>int</code> that represents the vertical distance of the bottom margin from the bottom edge of the page for this section. One twip = (1/20 pt) or (1/1440 in)
<a href="#">Break</a>	Sets or returns a <a href="#">Section.BreakType</a> object that represents the type of break (before) this section. There are 5 types of breaks: Continuous, Column, Page, EvenPage, and OddPage.
<a href="#">FirstLineNum</a>	Sets or returns an <code>int</code> that represents the number that the line numbering starts at for this section.
<a href="#">FirstPageNum</a>	Sets or returns an <code>int</code> that represents the number that the page numbering starts at for this section.
<a href="#">FooterY</a>	Sets or returns an <code>int</code> that represents the y coordinate of the footer measured from the top edge of the page. One twip = (1/20 pt) or (1/1440 in)
<a href="#">GutterWidth</a>	Sets or returns an <code>int</code> that represents the gutter width for this section. The gutter adds space to the margin. Gutters are used when a document needs additional space to allow for binding. One twip = (1/20 pt) or (1/1440 in)
<a href="#">HasTitlePage</a>	Sets or returns a <code>boolean</code> that represents whether or not this section has a title page. This can affect page numbering and the appearance of headers and footers.
<a href="#">HeaderY</a>	Sets or returns an <code>int</code> that represents the y coordinate of the header measured from the top edge of the page. One twip = (1/20 pt) or (1/1440 in)
<a href="#">LeftMargin</a>	Sets or returns an <code>int</code> that represents the horizontal distance of the left margin from the left edge of the page for this section. One twip = (1/20 pt) or (1/1440 in)

LineNumberingType	Sets or returns a <a href="#">Section.LineNumbering</a> object that represents the line numbering restart policy for this section. There are 3 options:
LineNumberX	Sets or returns an <code>int</code> that represents the x position of line numbers in twips. One twip = (1/20 pt) or (1/1440 in)
LineNumModulus	Sets or returns an <code>int</code> that represents the line numbering modulus. This setting is used to set whether line numbers display on every line, every 2nd line, etc. Setting this to 0 (zero) will display no line numbers. Setting this to 1 will display a number by every line. Setting this to 2 will display a number by every 2nd line, etc.
LinesBetween	Sets or returns a <code>boolean</code> that represents whether or not Word will draw vertical lines between columns.
NumColumns	Sets or returns an <code>int</code> that represents the number of columns in this section.
PageHeight	Sets or returns an <code>int</code> that represents the page height for this section in twips. One twip = (1/20 pt) or (1/1440 in)
PageNumberFormat	Sets or returns a <a href="#">Section.NumberFormat</a> object that represents the page number format for this section. There are 5 type of page number formats:
PageOrientation	Sets or returns a <a href="#">Section.Orientation</a> object that represents the page orientation for this section. Possible values: Portrait, Landscape, Mixed
PageSize	Sets or returns the size of printed pages.
PageWidth	Sets or returns an <code>int</code> that represents the page width for this section in twips. One twip = (1/20 pt) or (1/1440 in)
RestartPageNum	Sets or returns a <code>boolean</code> that represents whether or not page numbering will restart at the beginning of this section.
RightMargin	Sets or returns an <code>int</code> that represents the horizontal distance of the right margin from the right edge of the page for this section. One twip = (1/20 pt) or (1/1440 in)
TopMargin	Sets or returns an <code>int</code> that represents the vertical distance of the top margin from the top edge of the page for this section. One twip = (1/20 pt) or (1/1440 in)
Unlocked	Sets or returns a <code>boolean</code> that represents whether or not this section is unlocked.

## Methods

Name	Description
<a href="#">GetBorder(Border.Location)</a>	Returns a <a href="#">Border</a> object that represents the border of this section at the specified location. You can use the returned object to manipulate the borders for this section. Valid locations: Top, Left, Bottom, Right
<a href="#">GetFooter(Section.HeaderFooterType)</a>	Returns an <a href="#">Element</a> object that represents the footer of the specified type for this section. The footer is returned as an editable element. There are 4 types of footers:
<a href="#">GetHeader(Section.HeaderFooterType)</a>	Returns an <a href="#">Element</a> object that represents the header of the specified type for this section. The header is returned as an editable element. There are 4 types of headers:

## Nested Classes

Name	Description
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BorderArea	Areas that a border can be applied to for a section.
BreakType	Types of breaks that can precede a section.
HeaderFooterType	Types of headers and footers.
LineNumbering	Line numbering settings for a section.
NumberFormat	Formats for page numbers in a section.
Orientation	Page orientations for a section.
PagePaperSize	Page paper sizes that can be applied to a section. All native sizes are supported, and additional sizes are provided