

How to: Programmatically Add Rows and Columns to Word Tables

In a Microsoft Office Word table, the cells are organized into rows and columns. You can use the [M:Microsoft.Office.Interop.Word.Rows.Add\(System.Object@\)](#) method of the [Rows](#) object to add rows to the table and the [M:Microsoft.Office.Interop.Word.Columns.Add\(System.Object@\)](#) method of the [Columns](#) object to add columns.

Applies to: The information in this topic applies to document-level projects and VSTO add-in projects for Word. For more information, see [Features Available by Office Application and Project Type](#).

Document-Level Customization Examples

The following code examples can be used in a document-level customization. To use these examples, run them from the `ThisDocument` class in your project. These examples assume that the document associated with your customization already has at least one table.

Important

This code runs only in projects that you create by using any of the following project templates:

- Word 2013 Document
- Word 2013 Template
- Word 2010 Document
- Word 2010 Template

If you want to perform this task in any other type of project, you must add a reference to the **Microsoft.Office.Interop.Word** assembly, and then you must use classes from that assembly to add rows and columns to tables. For more information, see [How to: Target Office Applications Through Primary Interop Assemblies](#) and [Word 2010 Primary Interop Assembly Reference](#).

To add a row to a table

1. Use the [M:Microsoft.Office.Interop.Word.Rows.Add\(System.Object@\)](#) method to add a row to the table.

C#

```
this.Tables[1].Rows.Add(this.Tables[1].Rows[1]);
```

To add a column to a table

1. Use the [M:Microsoft.Office.Interop.Word.Columns.Add\(System.Object@\)](#) method, and then use the [M:Microsoft.Office.Interop.Word.Columns.DistributeWidth](#) method to make all the columns the same width.

C#

```
this.Tables[1].Columns.Add(this.Tables[1].Columns[1]);  
this.Tables[1].Columns.DistributeWidth();
```

VSTO Add-in Examples

The following code examples can be used in a VSTO Add-in. To use the examples, run them from the `ThisAddIn` class in your project. These examples assume that the active document already has at least one table.

◆ Important

This code runs only in projects that you create by using Word VSTO Add-in templates.

If you want to perform this task in any other type of project, you must add a reference to the **Microsoft.Office.Interop.Word** assembly, and then you must use classes from that assembly to add rows and columns to tables. For more information, see [How to: Target Office Applications Through Primary Interop Assemblies](#) and [Word 2010 Primary Interop Assembly Reference](#).

To add a row to a table

1. Use the [M:Microsoft.Office.Interop.Word.Rows.Add\(System.Object@\)](#) method to add a row to the table.

C#

```
this.Application.ActiveDocument.Tables[1].Rows.Add(  
    this.Application.ActiveDocument.Tables[1].Rows[1]);
```

To add a column to a table

1. Use the [M:Microsoft.Office.Interop.Word.Columns.Add\(System.Object@\)](#) method, and then use the [M:Microsoft.Office.Interop.Word.Columns.DistributeWidth](#) method to make all the columns the same width.

C#

```
this.Application.ActiveDocument.Tables[1].Columns.Add(  
    this.Application.ActiveDocument.Tables[1].Columns[1]);  
this.Application.ActiveDocument.Tables[1].Columns.DistributeWidth();
```

See Also

[How to: Programmatically Create Word Tables](#)

[How to: Programmatically Add Text and Formatting to Cells in Word Tables](#)

[How to: Programmatically Populate Word Tables with Document Properties](#)

© 2017 Microsoft