

SheetProtection

Introduced in build 8.6.1

Description

A `SheetProtection` object contains sheet level protection properties that control what users can interact with when a worksheet is protected. To access `SheetProtection`, use [Worksheet.SheetProtection](#).

C#

```
public sealed class SheetProtection
```

vb.net

```
Public NotInheritable Class SheetProtection
```

Remarks

In a new workbook, [AllowSelectLockedCells](#) and [AllowSelectUnlockedCells](#) default to `true`. The rest of the properties default to `false`.

The `SheetProtection` properties will only take effect if the worksheet is protected. Worksheets can be protected with [Worksheet.Protect\(String\)](#). If the worksheet is not protected, the values of the properties will persist, but will not have an effect.

Examples

C#

```
//--- Open existing spreadsheet
ExcelApplication xla = new ExcelApplication();
Workbook wb = xla.Open(@"C:\MySpreadsheet.xlsx");

//--- Get SheetProtection
SheetProtection protection = wb[0].SheetProtection;

//--- Set Properties
protection.AllowFormatCells = true;
protection.AllowSort = false;
```

```
'--- Open existing spreadsheet
Dim xla As New ExcelApplication()
Dim wb As Workbook = xla.Open("C:\MySpreadsheet.xlsx")

'--- Get SheetProtection
Dim protection As SheetProtection = wb(0).SheetProtection

'--- Set Properties
protection.AllowFormatCells = true;
protection.AllowSort = false;
```

Properties

Name	Description
AllowSelectLockedCells	Sets or returns whether the worksheet will allow users to select locked cells when the worksheet is protected.
AllowSelectUnlockedCells	Sets or returns whether the worksheet will allow users to select unlocked cells when the worksheet is protected.
AllowFormatCells	Sets or returns whether the worksheet will allow users to format cells when the worksheet is protected.
AllowFormatRows	Sets or returns whether the worksheet will allow users to format rows when the worksheet is protected.
AllowFormatColumns	Sets or returns whether the worksheet will allow users to format columns when the worksheet is protected.
AllowInsertColumns	Sets or returns whether the worksheet will allow users to insert columns when the worksheet is protected.
AllowInsertRows	Sets or returns whether the worksheet will allow users to insert rows when the worksheet is protected.
AllowInsertHyperlinks	Sets or returns whether the worksheet will allow users to insert hyperlinks when the worksheet is protected.
AllowDeleteColumns	Sets or returns whether the worksheet will allow users to delete columns when the worksheet is protected.
AllowDeleteRows	Sets or returns whether the worksheet will allow users to delete rows when the worksheet is protected.
AllowSort	Sets or returns whether the worksheet will allow users to sort when the worksheet is protected.
AllowUseAutoFilter	Sets or returns whether the worksheet will allow users to use AutoFilters when the worksheet is protected.
AllowUsePivotTableReports	Sets or returns whether the worksheet will allow users to use PivotTable reports when the worksheet is protected.