

Condition

Description

A [Condition](#) object represents a condition within a [ConditionalFormat](#), a format that Excel will apply to a cell or group of cells if a specified condition is met.

C#

```
public sealed class Condition
```

vb.net

```
Public NotInheritable Class Condition
```

Remarks

A [ConditionalFormat](#) object contains up to three [Condition](#) objects and a [Range](#) object representing the set of cells on which the conditions will be tested.

To create a [Condition](#) object, call one of the [ConditionalFormat](#) object's [CreateCondition](#) methods.

Examples

C#

```
ExcelApplication xla = new ExcelApplication();
Workbook wb = xla.Create();
Range rng = wb.Worksheets[0].CreateRange("$B$2:$F$10");
ConditionalFormat condFmt = wb.CreateConditionalFormat();
Condition cond =
    condFmt.CreateCondition(
        Condition.Comparison.CellValueGreaterThan,
        "=100");
Font fnt = cond.Style.Font;
fnt.Bold = true;
fnt.Color = wb.Palette.GetClosestColor(100, 100, 255);
rng.SetConditionalFormat(condFmt);
```

vb.net

```
Dim xla As New ExcelApplication()  
Dim wb As Workbook = xla.Create()  
Dim rng As Range = wb.Worksheets(0).CreateRange("$B$2:$F$10")  
Dim condFmt As ConditionalFormat = wb.CreateConditionalFormat()  
Dim cond As Condition = _  
    condFmt.CreateCondition( _  
        Condition.Comparison.CellValueGreaterThan, _  
        "=100")  
Dim fnt As Font = cond.Style.Font  
fnt.Bold = true  
fnt.Color = wb.Palette.GetClosestColor(100, 100, 255)  
rng.SetConditionalFormat(condFmt)
```

Properties

Name	Description
ComparisonType	Returns the Condition's Condition.Comparison value, which determines whether each cell value will be compared with one or two other values, or if a formula will be evaluated for each cell.
Formula1	If the comparison is between a cell value and two values, this is the minimum value; otherwise this is the formula to be evaluated for the condition.
Formula2	If the value of Condition.ComparisonType is a comparison between a cell value and two values (e.g., Condition.Comparison.CellValueBetween), Formula2 sets or returns a formula whose result will be the maximum comparison value.
Style	Sets or returns the Style that will be set on conditionally formatted cells when the current Condition is met.

Methods

Name	Description
ApplyStyle(Style)	Applies the specified Style to the Condition's current Style .
ChangeCondition(Condition.Comparison, String)	Resets the current Condition's Comparison type and formula. The method takes one formulas, and therefore must take a Comparison that requires one formulas, such as Comparison.CellValueLessThan .
ChangeCondition(Condition.Comparison, String, String)	Resets the current Condition's Comparison type and minimum and maximum formulas. The method takes two formulas, and therefore must take a Comparison that requires two formulas, such as Comparison.CellValueBetween .

Nested Classes

Name	Description
Comparison	The value of Condition.Comparison determines whether the value of a conditionally formatted cell will be compared with one or two other values, or if a formula will be evaluated for each cell.

