Axis Interface

Definition

Namespace: Microsoft.Office.Interop.Excel

Assembly: Microsoft.Office.Interop.Excel.dll

Represents a single axis in a chart.

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Applies to

C#	Copy

```
[System.Runtime.InteropServices.Guid("00020848-0000-0000-C000-000000000046")]
[System.Runtime.InteropServices.InterfaceType(2)]
public interface Axis
```

Attributes GuidAttribute, InterfaceTypeAttribute

Remarks

The **Axis** object is a member of the Axes collection.

Use **Axes**(`type, group`) where type is the axis type and group is the axis group to return a single **Axis** object. `Type` can be one of the following ff constants: **xlCategory**, **xlSeries**, or **xlValue**. `Group` can be one of the following XlAxisGroup constants: **xlPrimary** or **xlSecondary**. For more information, see the Axes(Object, XlAxisGroup) method.

Properties

Application	Returns an Application object that represents the Microsoft Excel application.
AxisBetweenCategories	**True** if the value axis crosses the category axis between categories.
AxisGroup	Returns the group for the specified axis.
AxisTitle	Returns an AxisTitle object that represents the title of the specified axis.
BaseUnit	Returns or sets the base unit for the specified category axis.
BaseUnitIsAuto	**True** if Microsoft Excel chooses appropriate base units for the specified category axis. The default value is **True**.
Border	Returns a Border object that represents the border of the object.
CategoryNames	Returns or sets all the category names for the specified axis as a text array.
CategoryType	Returns or sets the category axis type.
Creator	Returns a 32-bit integer that indicates the application in which this object was created.
Crosses	Returns or sets the point on the specified axis where the other axis crosses.
CrossesAt	Returns or sets the point on the value axis where the category axis crosses it. Applies only to the value axis.
DisplayUnit	Returns or sets the unit label for the value axis.
DisplayUnitCustom	If the value of the DisplayUnit property is **xlCustom**, the **DisplayUnitCustom** property returns or sets the value of the displayed units. The value must be from 0 through 10E307.
DisplayUnitLabel	Returns the DisplayUnitLabel object for the specified axis. Returns **Null** if the HasDisplayUnitLabel property is set to False.
Format	Returns the ChartFormat object. Read-only.
HasDisplayUnitLabel	**True** if the label specified by the DisplayUnit or DisplayUnitCustom property is displayed on the specified axis. The default value is **True**.

HasMajorGridlines	**True** if the axis has major gridlines. Only axes in the primary axis group can have gridlines.
HasMinorGridlines	**True** if the axis has minor gridlines. Only axes in the primary axis group can have gridlines.
HasTitle	**True** if the axis or chart has a visible title.
Height	The height, in points, of the object.
Left	The distance, in points, from the left edge of the object to the left edge of the chart area.
LogBase	Returns or sets the base of the logarithm when you are using log scales. Read/write **Double**.
MajorGridlines	Returns a Gridlines object that represents the major gridlines for the specified axis. Only axes in the primary axis group can have gridlines.
MajorTickMark	Returns or sets the type of major tick mark for the specified axis.
MajorUnit	Returns or sets the major units for the value axis.
MajorUnitIsAuto	**True** if Microsoft Excel calculates the major units for the value axis.
MajorUnitScale	Returns or sets the major unit scale value for the category axis when the CategoryType property is set to **xlTimeScale**.
MaximumScale	Returns or sets the maximum value on the value axis.
MaximumScaleIsAuto	**True** if Microsoft Excel calculates the maximum value for the value axis.
MinimumScale	Returns or sets the minimum value on the value axis.
MinimumScaleIsAuto	**True** if Microsoft Excel calculates the minimum value for the value axis.
MinorGridlines	Returns a Gridlines object that represents the minor gridlines for the specified axis. Only axes in the primary axis group can have gridlines.
MinorTickMark	Returns or sets the type of minor tick mark for the specified axis.
MinorUnit	Returns or sets the minor units on the value axis.
MinorUnitIsAuto	**True** if Microsoft Excel calculates minor units for the value axis.
MinorUnitScale	Returns or sets the minor unit scale value for the category axis when the CategoryType property is set to **xlTimeScale**.

CategoryType property is set to **xlTimeScale**.

Parent	Returns the parent object for the specified object.
ReversePlotOrder	**True** if Microsoft Excel plots data points from last to first.
ScaleType	Returns or sets the value axis scale type.
TickLabelPosition	Describes the position of tick-mark labels on the specified axis.
TickLabels	Returns a TickLabels object that represents the tick-mark labels for the specified axis.
TickLabelSpacing	Returns or sets the number of categories or series between tick-mark labels. Applies only to category and series axes.
TickLabelSpacingIsAuto	Returns or sets whether or not the tick label spacing is automatic. Read/write **Boolean**.
TickMarkSpacing	Returns or sets the number of categories or series between tick marks. Applies only to category and series axes.
Top	The distance, in points, from the top edge of the object to the top of row 1 (on a worksheet) or the top of the chart area (on a chart).
Type	Returns the Axis type.
Width	The width, in points, of the object.

Methods

Delete()	Deletes the object.
Select()	Selects the object.

Applies to

Product	Versions
Excel primary interop assembly	Latest

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Recommended content

Chart Interface (Microsoft.Office.Interop.Excel)

Represents a chart in a workbook. The chart can be either an embedded chart (contained in a ChartObject) or a separate chart sheet.

Range.Range[Object, Object] Property (Microsoft.Office.Interop.Excel)

Returns a Range object that represents a cell or a range of cells.