



Version 10.1

Grid Improvements

ColSorted and ColSortImages

ColSorted Method

This method is used to specify that an image is to be displayed in a Grid column title to indicate the column has been sorted.

The argument to ColSorted is a 2-element array as follows:

[1]	Column number :	Integer
[2]	Sorted state :	-1 = Sorted Down 0 = Unsorted 1 = Sorted Up

The column title for the appropriate column is redrawn to include the appropriate image.

If you wish to use your own images, you may specify them using the ColSortImages property.

```
'F' WC'Form' 'Grid: ColSorted Method'
'F.G' WC'Grid' ('Posn' 0 0)(100 100)
F.G.Values←(COUNTRIES,POPULATION,[1.5]AREA)
F.G.ColTitles←'Country' 'Population' 'Area'
F.G.TitleWidth←0
```

Country	Population	Area
Australia	18311000	7741220
Brazil	157872000	8547403
Canada	29959000	9970610
Denmark	5262000	43094
Finland	5125000	338145
France	58375000	551500
Germany	81896000	356733
Ireland	3626000	70284
Italy	57380000	301268
Japan	125761000	377829
UK	58802000	244100
USA	265284000	9363520

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```
F.G.Values←Values[↑Values[;2];])
F.G.ColSorted 2 1
```

Country	Population ▲	Area
Ireland	3626000	70284
Finland	5125000	338145
Denmark	5262000	43094
Australia	18311000	7741220
Canada	29959000	9970610
Italy	57380000	301268
France	58375000	551500
UK	58802000	244100
Germany	81896000	356733
Japan	125761000	377829
Brazil	157872000	8547403
USA	265284000	9363520

```
F.G.(Values←Values[↓↑Values[;1];])
F.G.ColSorted 2 0
F.G.ColSorted 1 ~1
```

Country ▼	Population	Area
USA	265284000	9363520
UK	58802000	244100
Japan	125761000	377829
Italy	57380000	301268
Ireland	3626000	70284
Germany	81896000	356733
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ColSortImages Property

The ColSortImages property is a simple character vector or a vector of character vectors that specifies the name(s) of Bitmap objects that are used to specify the sort images for a Grid object.

If ColSortImages is not specified, default images are used. The Bitmap specified by the 1st element of ColSortImages is used to display columns that are *sorted down*.

The Bitmap specified by the 2nd element of ColSortImages is used to display columns that are *unsorted*. The Bitmap specified by the 3rd element of ColSortImages is used to display columns that are *sorted up*.

```
'F'[]WC'Form' 'Grid: ColSortImages Property'
'F.G'[]WC'Grid'('Posn' 0 0)(100 100)
F.G.Values←(COUNTRIES,POPULATION,[1.5]AREA)
F.G.ColTitles←'Country' 'Population' 'Area'
F.G.TitleWidth←0

'GD'[]WC'BITMAP' 'gd.bmp'('MaskCol'(255 255
255))
'GU'[]WC'BITMAP' 'gu.bmp'('MaskCol'(255 255
255))
F.G.ColSortImages←'GD' '' 'GU'
F.G.(Values←Values[ΔValues[;3];])
F.G.ColSorted 3 1
```

Country	Population	Area	↑
Denmark	5262000	43094	
Ireland	3626000	70284	
UK	58802000	244100	
Italy	57380000	301268	
Finland	5125000	338145	
Germany	81896000	356733	
Japan	125761000	377829	
France	58375000	551500	
Australia	18311000	7741220	
Brazil	157872000	8547403	
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