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Paul S. McCarthy and Eric Sunshine -- July 4, 1997

# MiscExporter

**Inherits From:** NSObject

**Declared In:** MiscExporter.h

## Class Description

This class provides an easy means to export the contents of an instance of MiscTableScroll in the following output formats:

- ASCII fixed field widths
- ASCII tab separated fields
- ASCII delimited (quoted fields, comma-separated)
- dBASEIII (dbf)

## Instance Variables

```
MiscTableScroll *tableScroll;  
MiscExportFormat exportFormat;  
MiscExportTitleMode rowTitleMode;  
MiscExportTitleMode columnTitleMode;  
MiscExportGridMode rowGrid;  
MiscExportGridMode columnGrid;
```

tableScroll	The table scroll object to export.
exportFormat	Output format.
rowTitleMode	Row title option setting.
columnTitleMode	Column title option setting.
rowGrid	Row grid option setting.
columnGrid	Column grid option setting.

## Method Types

Initializing

+ sharedInstance  
± init

Exporting

± exportTableScroll:  
± exportTableScroll:toFilename:

Setting and getting attributes

± getColumnExportGridMode  
± getColumnExportTitleMode  
± getExportFormat  
± getRowExportGridMode  
± getRowExportTitleMode  
± setColumnExportGridMode:  
± setColumnExportTitleMode:  
± setExportFormat:  
± setRowExportGridMode:  
± setRowExportTitleMode:

## Class Methods

**commonInstance**

+ (MiscExporter\*)**commonInstance**

Returns a pointer to a single shared instance, which can be used from anywhere.

## Instance Methods

### **exportTableScroll:**

- (int)**exportTableScroll:**(MiscTableScroll\*)*ts*

Runs the NSSavePanel with an accessory view for the user to choose the output filename and other options for exporting the MiscTableScroll, *ts*. You can pre-initialize the MiscExporter object with any settings that you choose, but the user will be able to override your pre-set values via the accessory view on the SavePanel. Returns zero (0) on success, minus one (-1) if the user pressed "Cancel" at the save panel, or the MiscTableScroll has no columns, or *errno* if there was an error opening or closing the file.

### **exportTableScroll:toFilename:**

- (int)**exportTableScroll:**(MiscTableScroll\*)*ts* **toFilename:**(NSString\*)*filename*

Uses the current option settings and exports the MiscTableScroll, *ts*, to *filename*, over-writing the file if it is present. This method does not run the SavePanel. Returns zero (0) on success, minus one (-1) if *ts* is NULL or has no

columns, or *errno* if there was an error opening or closing the file.

### **getColumnExportGridMode**

- (MiscExportGridMode)getColumnExportGridMode

Returns *columnGrid*.

### **getColumnExportTitleMode**

- (MiscExportTitleMode)getColumnExportTitleMode

Returns *columnTitleMode*.

### **getExportFormat**

- (MiscExportFormat)getExportFormat

Returns *exportFormat*.

### **getRowExportGridMode**

- (MiscExportGridMode)**getRowExportGridMode**

Returns *rowGrid*.

### **getRowExportTitleMode**

- (MiscExportTitleMode)**getRowExportTitleMode**

Returns *rowTitle*.

### **init**

- (id)**init**

Initializes a newly allocated MiscExporter object. The default settings are:

```
exportFormat      MISC_EXPORT_ASCII_FIXED
rowTitleMode     MISC_EXPORT_TITLES_OFF
columnTitleMode  MISC_EXPORT_TITLES_ON
rowGrid          MISC_EXPORT_GRID_OFF
columnGrid       MISC_EXPORT_GRID_LINE
```

Returns **self**.

### **setColumnExportGridMode:**

- (void)**setColumnExportGridMode:**(MiscExportGridMode)*gridMode*

Assigns *gridMode* to *columnGrid*. Column grid mode controls the lines/spaces between columns in fixed-width ASCII output format. The available values are:

```
typedef enum
{
    MISC_EXPORT_GRID_OFF,          // No grid
    MISC_EXPORT_GRID_LINE,        // Lines, col-grid='|', row-grid='- '
    MISC_EXPORT_GRID_SPACE,       // Spaces col-grid=' ', row-grid=' '
} MiscExportGridMode;
```

Grid mode only affects `MISC_EXPORT_ASCII_FIXED` export format. The other output formats do not produce a grid of any kind under any circumstances.

### **setColumnExportTitleMode:**

- (void)**setColumnExportTitleMode:**(MiscExportTitleMode)*titleMode*

Assigns *titleMode* to *columnTitle*. Column title mode controls whether or not titles are included in the output for all

ASCII formats, and controls the formatting of the titles for fixed-width ASCII output format. Column title mode has no impact on dBASEIII (.dbf) output format. The available values are:

```
typedef enum
{
    MISC_EXPORT_TITLES_OFF,        // No titles.
    MISC_EXPORT_TITLES_ON,        // Full width, expand column if needed.
    MISC_EXPORT_TITLES_WRAP,      // Wrap titles within data width.
    MISC_EXPORT_TITLES_TRUNCATE,  // Truncate titles to data width.
} MiscExportTitleMode;
```

### **setExportFormat:**

- (void)**setExportFormat:**(MiscExportFormat)*format*

Assigns *format* to *exportFormat*. The available values are:

```
typedef enum
{
    MISC_EXPORT_ASCII_FIXED,
    MISC_EXPORT_ASCII_TAB,
    MISC_EXPORT_ASCII_DELIMITED,
    MISC_EXPORT_DBF
} MiscExportFormat;
```

**setRowExportGridMode:**

- (void)**setRowExportGridMode:**(MiscExportGridMode)*gridMode*

Assigns *gridMode* to *rowGrid*. See `-setColumnExportGridMode:`.

**setRowExportTitleMode:**

- (void)**setRowExportTitleMode:**(MiscExportTitleMode)*titleMode*

Assigns *titleMode* to *rowTitleMode*. Turning on titles will include physical row numbers if no explicit row titles have been set for the MiscTableScroll object. Row titles are either on or off. `MISC_EXPORT_TITLES_OFF` turns the titles off. Any other value turns them on. The other formatting values do not affect row titles. See `-setColumnExportTitleMode:`.