

Table Tools



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A shareware plug-in for FrameMaker

Silicon  **Prairie Software**

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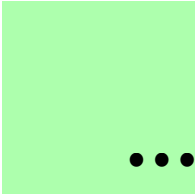
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Introduction

Table Tools is a FrameMaker plug-in that provides additional capabilities for working with tables and table tags in FrameMaker documents. Capabilities include listing table usage, removing unused table tags, locating and removing table formatting overrides, and generating table tag reports.

Requirements

To use the Table Tools plug-in, you must be using FrameMaker version 6.0 or later. The plug-in is available for the following platforms:

- Windows
- Macintosh

Installation

To install Table Tools, perform the steps for the platform you are using.

Windows

Perform the following steps to install Table Tools for Windows:

- 1 Copy the appropriate version of the TableTools.dll into the \fminit\PlugIns directory that is located in the directory where FrameMaker is installed.**



To install the plug-in, you will need to have file system permission to write to the PlugIns directory. For Windows XP and earlier, this means being logged into the system as a member of the Administrator or Power User groups. For Windows Vista with User Account Control (UAC) this means providing Administrator credentials when you copy the DLL file into the directory.

- 2 Restart FrameMaker.**

Macintosh

Perform the following steps to install Table Tools for the Macintosh:

- 1 **Copy the TableTools file to the Modules folder. This folder is located in the folder where FrameMaker is installed.**
- 2 **Restart FrameMaker.**

Removal

To remove Table Tools, close FrameMaker if it is running. Remove the files you added when you installed the plug-in, and then restart FrameMaker.

Backup warning

Table Tools can significantly alter your FrameMaker documents. It is strongly suggested that you make a complete backup of your Frame documents before using Table Tools.

Shareware notice

Table Tools has been released as shareware. If you find the plug-in useful, please pay the shareware fee. The \$10 cost is minimal, given the capabilities that Table Tools provides. Paying the shareware fee also encourages development of other tools like Table Tools.

Redistributing Table Tools

Table Tools is shareware. You may redistribute the Table Tools package with the following restrictions:

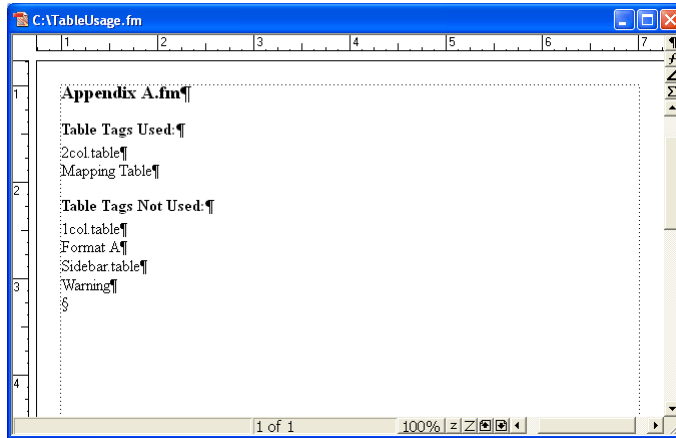
- You may not alter the software.
- You must distribute the entire package.
- You may not charge a fee for redistributing Table Tools.

Problem reports and suggestions

If you find any problems with the Table Tools plug-in, or if you have any suggestions for future enhancements, e-mail them to:

support@siliconprairiesoftware.com

A sample table usage report is shown in the following illustration:



Delete Unused Table Tags

The Delete Unused Table Tags routine will find out which table tags are not used in the current FrameMaker document or book, and then remove them. This can be useful if you want to cleanse documents of table tags that aren't used.

To use the routine, complete the following procedure:

- 1 Open a document or book.**
- 2 List how table tags are used (optional).**

Before deleting unused table tags, you may want to use the List Table Usage routine to find out how table tags are used. The tags appearing in the "Table Tags Not Used" list will be deleted by the Delete Unused Table Tags routine.

- 3 Start the routine.**

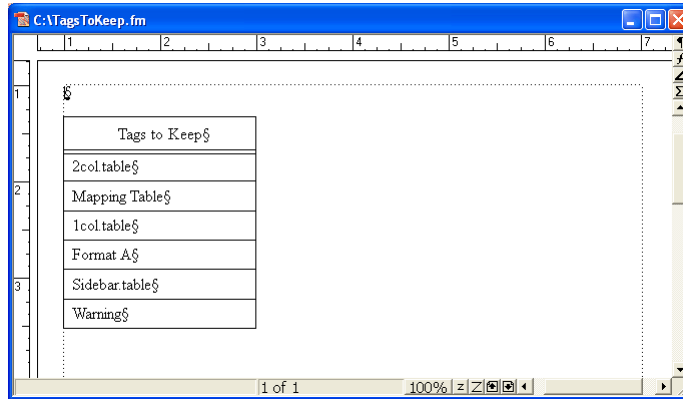
In the Tools menu, point to Table and then choose Delete Unused Table Tags.

- 4 Verify that you want to continue.**

A dialog will be displayed that verifies you want to delete unused table tags. If you're certain you want to continue, click OK. Unused table tags will be removed from the current file, or from all files in the current book.

Create Table Tag List

In some of your FrameMaker documents, specific table tags may not be used, but you would like them to remain available. Because they aren't used, the Delete Unused Table Tags routine would remove them from the document. To avoid this problem, Table Tools allows you to create a list of table tags that you want to keep. Any table tags that don't appear in the list of tags to keep will be removed from the active document or book. A list of table tags to keep is shown in the following illustration:



The Create Table Tag List routine provides an easy way to create the list of table tags you want to keep. It can create an empty list of tags, or create a list that contains the tags used, or all tags in the current document or book.

To use the routine, complete the following procedure:

- 1 Open a document or book.**
- 2 Start the routine.**

In the Tools menu, point to Tables and then choose Create Table Tag List.

- 3 Select the type of list to produce.**

A dialog will be displayed, prompting you for the type of list to create. You can produce an empty tag list, or the tag list can contain the used tags, or all tags in the active document or book.

- 4 Edit the tag list.**

Once you have generated the tag list, remove those tags that you don't want to have appear in your FrameMaker documents. You may also need to add table tags to the list if they weren't used in the documents from which the tag list was constructed.

5 Save the table tag list (optional).

Typically, you will create one table tag list that contains all of the table tags you use for a set of FrameMaker templates. Save this tag list with an appropriate name so you can easily associate it with a set of templates. You will use the tag list when you use the Remove Non-list Table Tags routine.

Remove Non-list Table Tags

The Remove Non-List Table Tags routine examines a table tag list, and then looks at the current document or book to remove all of the table tags that don't appear in the list. Before you use this routine, be sure you've created a table tag list that indicates which table tags you want to keep.

To use the routine, complete the following procedure:

1 Open a table tag list document.

This is a document you created with the Create Table Tag List routine, and lists all of the table tags you want to keep.

2 Open a document or book.

The document or book should be active. The table tag list must remain open in the background.

3 Start the routine.

In the Tools menu, point to Tables and then choose Remove Non-list Table Tags.

4 Verify that you want to continue.

A dialog will be displayed, asking you to verify that you want to keep only the table tags listed. If you're certain you want to continue, click OK. Any table tags that don't appear on the list will be removed from the current file, or from all files in the current book.



Only the table tags are deleted. If a document contains tables that uses a tag that was deleted, the table will still remain in the document.

Chapter 2

Table Conversion

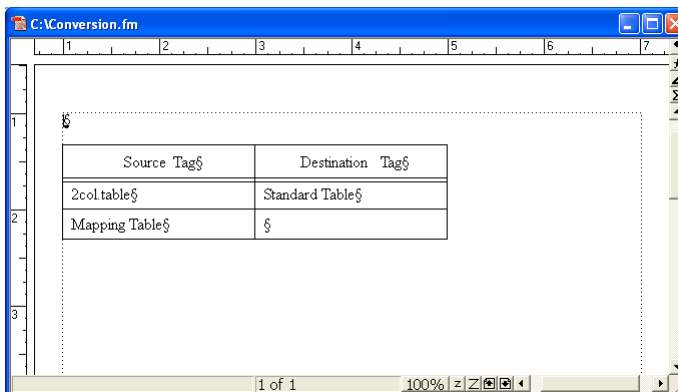


Table Tools contains routines that will convert tables using a specific table tag to another table tag. This can be useful when converting from one set of templates to another. This chapter is divided into the following sections:

- Create Conversion Document
- Convert Tables

Create Conversion Document

If you want to change the table tag applied to tables throughout a FrameMaker document, you would typically have to perform the task manually. Table Tools allows you to create a list of table tags and the tag you would like to convert them to. Table Tools will use the conversion document to convert the tables in the current document or book. A table tag conversion document is shown in the following illustration:



The Create Conversion Document routine provides an easy way to create the list of table tags you want to convert. It can create an empty list of tags, or create a list that contains the tags used, or all tags in the current document or book.

To use the routine, complete the following procedure:

1 Open a document or book.

2 Start the routine.

In the Tools menu, point to Tables and then choose Create Conversion Document.

3 Select the type of list to produce.

A dialog will be displayed, prompting you for the type of list to create. You can produce an empty tag list, or the tag list can contain the used tags, or all tags in the active document or book.

4 Edit the tag list.

Once you have generated the tag list, specify the new table tag values for the table tags you want to convert. For example, if you wanted to convert all tables with the “2col.table” tag to “Standard Table”, you would enter “Standard Table” into the corresponding cell in the Destination Tag column. You may also need to add table tags to the Source Tag column if they weren’t used in the documents from which the tag list was constructed.

It’s not necessary to fill all of the cells in the Destination Tag column. If you leave a cell empty, no conversion will occur for the corresponding table tag listed in the Source Tag column.



Be sure you type the table tag names carefully. If the table tag names don’t match exactly, they won’t be converted. Be sure the names don’t contain trailing spaces.

5 Save the conversion document (optional).

Typically, you will create one table conversion list that contains all of the table tags you want to convert for a set of FrameMaker templates. Save this conversion document with an appropriate name so you can easily associate it with a set of templates. You will use the conversion document when you use the Convert Tables routine.



Chapter 3

Table Tag Overrides

One of FrameMaker’s strengths is its ability to create documents with consistent formatting. However, it’s easy to add “overrides” to individual tables in a document. That can make managing and updating tables difficult. Table Tools contains routines that allow you to easily locate and remove table formatting overrides. This chapter is divided into the following sections:

- What is a table override?
- Remove Overrides
- Find Next Override

What is a table override?

Table overrides in FrameMaker occur in the following situations:

- The Table Designer is used to apply formatting to the table.
- The Custom Ruling and Shading dialog is used to apply formatting to cells in the table.

When using Tables Tools to find and remove table overrides, you may find cases that aren’t obvious visible overrides. Be assured that at least one aspect of the table formatting applied to the table differs from the underlying table tag applied.

Remove Overrides

The Remove Overrides routine will automatically remove the table overrides from the tables in the current document or all files in the current book. It does this by identifying the override, and then applying the characteristics of the table tag that was originally applied to the table.

To use the routine, complete the following procedure:

- 1 Open a document or book.**
- 2 Start the routine.**

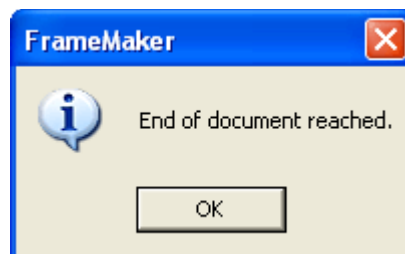
In the Tools menu, point to Tables and then choose Remove Overrides.

- 3 Verify that you want to continue.**

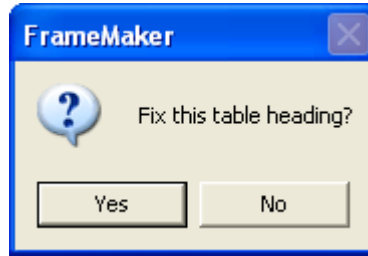
A dialog will be displayed, asking you to verify that you want to remove the overrides from the current document or book. If you're certain you want to continue, click OK. Any table that has an override will have the override removed.

Find Next Override

You may want to find what tables in a document actually contains overrides. The Find Next Override routine provides this capability. To find the overrides in the flows of a document, open the document. Place the insertion point at the beginning of the document. In the Tools menu, point to Tables and choose Find Next Override. If there is a table override, the focus will be placed at the beginning of the table that contains the override. To find the next override, choose Find Next Override again. When the end of the document is reached, the following message is displayed:



The following message will be displayed.



3 Choose whether to fix the table heading.

Click Yes to turn the first row of the table into a table heading. Click No to continue searching through the tables.

Default Cell Margins

Top: 5.00 points

Bottom: 5.00 points

Left: 3.00 points

Right: 3.00 points

Ruling

Column Ruling Period: 1

Column Ruling Style: None

Other Column Ruling Style: None

Body Row Ruling Period: 2

Body Row Ruling Style: Invisible

Other Body Row Ruling Style: Invisible

Heading and Footing Separators: None

Heading and Footing Rows: None

Outside Top Ruling: None

Outside Bottom Ruling: TableBottom

Outside Left Ruling: None

Outside Right Ruling: None

Draw Bottom Ruling on Last Sheet Only: False

Shading

Heading and Footing Fill: 100%

Heading and Footing Fill Color: AccentColor

Shade By: Body Row(s)

First: 4

Fill: None

Color: Black

Next: 0

Fill: None

Color: Black



Appendix A

Command Reference

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Keyboard shortcuts have been defined for some operations in Table Tools. If you want to create additional keyboard shortcuts, or you don't like the existing keyboard shortcuts and want to redefine your own, this appendix contains a list of the names for each command.

Command reference

The following commands are defined in Table Tools for the document-level operations:

Command	Description
ListTableUsage	Lists how table tags are used in the current document.
DeleteUnusedTables	Deletes unused table tags from the current document.
CreateTableList	Creates a table tag list, based on the current document.
RemoveNonlistTables	Removes table tags from the current document that aren't found in a table tag list.
CreateTableConversionDocument	Creates a table conversion document, based on the current document.
ConvertTablesInDoc	Converts the table tags in the current document, based on the table conversion document.

Command	Description
RemoveTableOverrides	Removes all table overrides from the current document.
FindNextTableOverride	Locates the next table override in the current document.
FixTableHeadingsDoc	Converts the first row of a table into a table heading.
GenerateTableTagReport	Generates a report of the table tags in the current document.

The following commands are defined in Table Tools for the book-level operations:

Command	Description
ListTableUsageBook	Lists how table tags are used in the current book.
ListTableUsageBookIndFiles	Lists table tag usage for individual files in the current book.
ListTableUsageBookByFormat	Lists table tag usage for files in the current book, grouped by table tag.
DeleteUnusedTablesBook	Deletes unused table tags from all files in the current book.
CreateTableListBook	Creates a table tag list, based on the documents in the current book.
RemoveNonlistTablesBook	Removes table tags from each file in the current book that aren't found in a table tag list.
CreateTableConversionDocument Book	Creates a table conversion document, based on all files in the current book.
ConvertTablesBook	Converts the table tags in all documents in the current book, based on the table conversion document.



Appendix B

SPOutput.fm



Table Tools produces several output files, such as the Table Usage report. By default, these new documents are based on the default document for your FrameMaker installation. The routines in Table Tools expect certain paragraph and character formats to be in this default document.

If you have modified the default document for your FrameMaker installation, it may not have the formats needed by Table Tools. If this occurs, copy the SPOutput.fm template document included with Table Tools to your FrameMaker installation.

- On Windows, place the SPOutput.fm document in the \FrameMaker\fm\init\ folder for the FrameMaker installation.
- On the Macintosh, place the SPOutput.fm document in the Modules folder for the FrameMaker installation.

When Table Tools creates an output document, it will use this SPOutput.fm document as the source template.



If you want to customize the output from Table Tools, you can do this in the SPOutput.fm document. Every output file created will use the modified characteristics you added to the SPOutput.fm document.

Appendix C

Scripting Support



Table Tools can be controlled with standard FrameMaker scripting tools, including the Frame Developer’s Kit (FDK) and FrameScript.

Scriptable commands

The following commands can be accessed through scripting for both FrameScript and the FDK:

Command	Description
TableToolsAbout	Displays the About dialog.
ListTableUsage	Creates a document that lists table usage for the current document.
ListTableUsageBook	Creates a document that lists table usage for the current book.
ListTableUsageBookIndividual	Creates a document that lists the table usage for each document in the current book individually.
ListTableUsageBookByTag	Creates a document that lists each table tag used in a book, and the corresponding documents that use that tag.
DeleteUnusedTables	Deletes unused table tags from the current document.
DeleteUnusedTablesBook	Deletes unused table tags from all documents in the current book.
CreateTableList	Creates a table list based on the current document.

Command	Description
CreateTableListBook	Creates a table list based on the documents in the current book.
CreateConversionDocument	Creates a conversion document based on the current document.
CreateConversionDocumentBook	Creates a conversion document based on the documents in the current book.
RemoveNonlistTables	Removes the table tags from the current document that are not in the table list.
RemoveNonlistTablesBook	Removes the table tags from the documents in the current book that are not in the tables list.
ConvertTablesDoc	Converts the table in the current document.
ConvertTablesBook	Converts the tables in the documents in the current book.
RemoveOverrides	Removes table overrides from the current document.
RemoveOverridesBook	Removes table overrides from all documents in the current book.
FindNextOverride	Finds the next table override in the current document or table.
GenerateTableTagReport	Generates a table tag report for the current document.
GenerateTableTagReportSingle	Generates a table tag report of a single table tag in the current document.
SetDocId	Specifies the ID of the document to be acted on.
SetBookId	Specifies the ID of the book to be acted on.

Client name

For scripting commands to work properly, you must specify the name of the plug-in you want to access. The name depends on the platform on which you are using FrameMaker.

Windows

For Windows, the Table Tools plug-in is named “Table Tools”. This is the client name that was given to the plug-in when it was created.

Macintosh

For the Macintosh, the Table Tools plug-in is named “TableTools”. This is the filename of the plug-in that is installed in the Modules folder of the FrameMaker installation. If you change the name of the plug-in file, you must use the new name you have chosen.

Scripting examples

The following examples show how to call commands in Table Tools from FrameScript and the FDK.

FrameScript

To control Table Tools with FrameScript, you will use the CALLCLIENT command. Be sure that you use the appropriate client name for the platform on which you are using FrameMaker.

The following example shows how to use the CALLCLIENT command on Windows to list table usage for the current document.

```
CALLCLIENT FrameClient('Table Tools')  
Message('ListTableUsage') ReturnVal(retVar);
```

The following example shows how to use the CALLCLIENT command on the Macintosh to remove overrides for the files in the current book.

```
CALLCLIENT FrameClient('TableTools')  
Message('RemoveOverridesBook') ReturnVal(retVar);
```



Refer to the FrameScript documentation for more information about the CALLCLIENT command.

FDK

To control Table Tools with the FDK, you will use the `F_ApiCallClient()` function. Be sure that you use the appropriate client name for the platform on which you are using FrameMaker.

The following example shows how the `F_ApiCallClient()` function is used on Windows to find the next table override in a document.

```
F_ApiCallClient("Table Tools", "FindNextOverride");
```

The following example shows how the `F_ApiCallClient()` function is used on the Macintosh to remove overrides for the current document.

```
F_ApiCallClient("TableTools", "RemoveOverrides");
```

Background processing



If you will be running scripts with FrameMaker in the background, you must use an additional command to specify which document or book will be acted on. Do this using the `SetDocId` or `SetBookId` commands.

It's necessary to use these commands only if scripts will be running while FrameMaker is in the background and is not the active application.

Syntax

Like other scripting commands, the `SetDocId` and `SetBookId` commands are string values. The command is followed by a space and then the string representation of the document Id or book Id. For instance, the following command specifies the document with the Id 12345:

```
SetDocId 12345
```

Scope

The `SetDocId` and `SetBookId` commands specify which document or book the next command will affect. After the next command has been run, the scope is reset, meaning that subsequent commands will affect the currently-active document or book. If you want to perform several commands in succession, each command must be preceded by a `SetDocId` or `SetBookId` command.

Script example

The following code for the FDK uses the **SetDocId** command to specify the document that will be affected by the next script command that is run. Notice that a document Id is converted to a string representation and included in the command.

```
StringT s = NULL;

docId = { The Id of the document to be affected }

s = F_StrCopyString("SetDocId ");
s = F_Realloc(s, F_StrLen(s)+(IntT)10, NO_DSE);
F_StrCatIntN(s, docId, (IntT)10+F_StrLen(s));
F_ApiCallClient("Table Tools", s);
F_ApiCallClient("Table Tools", "RemoveOverrides");
```




Appendix D Registration

Table Tools is shareware, so you can try the software before you purchase it. The software is fully functional. As you evaluate the software, you will see periodic “reminder” messages indicating the software hasn’t been registered. If you find Table Tools useful, we encourage you to pay the registration fee.

License types

The following types of licenses are available for Table Tools:

Single-user license

Each single-user license allows you to use one copy of the software on one computer. If you have fewer than 10 users, it’s most cost-effective to purchase single-user licenses.

Site license

A site license allows you to use copies of the software on any machine on the site. A site is defined as an area within a 100 mile radius. It’s most cost-effective to purchase a site license if you have 10 or more users.

Worldwide license

A worldwide license allows you to use copies of the software on any machine within the organization, regardless of where the installations are located. It’s most cost-effective to purchase a worldwide license if you have 10 or more sites where the software will be used.

Registration methods

Silicon Prairie uses Kagi, an online payment processing service. To learn more about Kagi, visit them on the web at <http://www.kagi.com>. You can pay using the following methods:

Online

You can purchase a license online through the Silicon Prairie web site (<http://www.siliconprairiesoftware.com>). There you will find a secure link to the Silicon Prairie page on the Kagi web site. This is the easiest and fastest way to obtain a license.

Direct purchase

If you don't want to purchase online, you can contact Silicon Prairie Software directly to arrange payment. Contact us via e-mail at support@siliconprairiesoftware.com.

Registration code

When you register the software, you will receive your registration code through e-mail. **Save this e-mail! You will need it if you need to reinstall the software.** If you printed this documentation, write the registration code here:

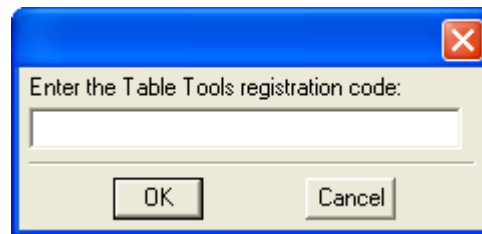
Registration Code: _____



To apply the code, choose the Register menu option via the Tools menu.

To properly save the registration code, you must have privileges to write to the directories used for the FrameMaker installation. For Windows XP and earlier, this means being logged into the system as a member of the Administrator or Power User groups. For Windows Vista with User Account Control (UAC) this means running FrameMaker with Administrator credentials. You need to do this only for the session in which you register the plug-in.

Enter the registration code you received in the dialog that's displayed.



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