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Cross-Reference Tools

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A shareware plug-in for FrameMaker

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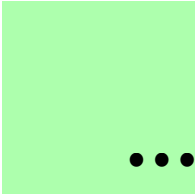
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Introduction

Cross-Reference Tools is a FrameMaker plug-in that provides additional capabilities for working with cross-reference formats in FrameMaker documents. Capabilities include listing cross-reference format usage, removing unused cross-reference formats, and re-mapping cross-reference formats.

Requirements

To use the Cross-Reference Tools plug-in, you must be using FrameMaker version 7.0 or later. The plug-in is available for the following platforms:

- Windows
- Macintosh

Installation

To install the Cross-Reference Tools plug-in, perform the steps for the platform you are using.

Windows

Perform the following steps to install Cross-Reference Tools for Windows:

- 1 Copy the appropriate version of the CrossRefTools.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 operating systems with User Account Control (UAC) such as Windows 7 this means providing Administrator credentials when you copy the DLL file into the directory.

- 2 Restart FrameMaker.**

Macintosh

Perform the following steps to install Cross-Reference Tools for the Macintosh:

- 1 **Copy the appropriate version of the CrossRefTools file to the Modules folder. This folder is located in the folder where FrameMaker is installed.**
- 2 **Restart FrameMaker.**

Removal

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

Backup warning

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

Shareware notice

Cross-Reference 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 Cross-Reference Tools provides. Paying the shareware fee also encourages development of other tools like Cross-Reference Tools.

Redistributing Cross-Reference Tools

Cross-Reference Tools is shareware. You may redistribute the Cross-Reference 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 Cross-Reference Tools.

Problem reports and suggestions

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

support@siliconprairiesoftware.com



Chapter 1

Cross-Reference Format Usage

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Several tools are available to list which cross-reference formats are used or unused in FrameMaker files. This chapter is divided into the following sections:

- List Cross-Reference Format Usage
- Delete Unused Cross-Reference Formats
- Create Cross-Reference Format List
- Remove Non-list Cross-Reference Formats

List Cross-Reference Format Usage

The List Cross-Reference Usage routine produces a FrameMaker document that lists how all the cross-reference formats in a document or book are used. To use the routine, complete the following procedure:

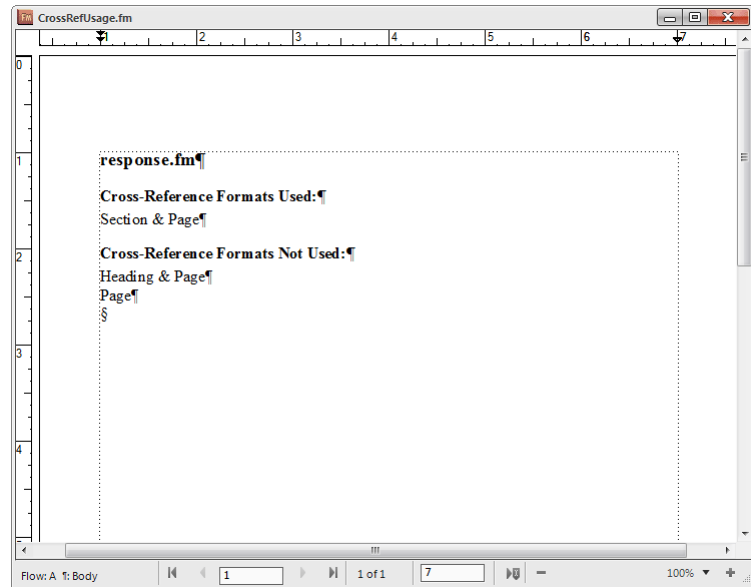
- 1 Open a document or book.**
- 2 Start the routine.**

In the Tools menu, point to Cross-References and then choose List Cross-Reference Format Usage. A report will be produced that lists the cross-reference formats in use, as well as those that aren't used in the document or book.

For books, you can choose the List Cross-Reference Format Usage - Individual command to list each document individually. The cross-reference format usage for each document in the book will be listed separately, rather than as a combined list for the entire book.

You can also choose the List Cross-Reference Usage - By Tag command to list each cross-reference format and the documents in the book that use that cross-reference format. This is a two-pass operation, so it will take longer to complete.

A sample cross-reference usage report is shown in the following illustration:



Delete Unused Cross-Reference Formats

The Delete Unused Cross-Reference Formats routine will find out which cross-reference formats 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 cross-reference formats that aren't used.

To use the routine, complete the following procedure:

- 1 Open a document or book.**
- 2 List how cross-reference formats are used (optional).**

Before deleting unused cross-reference formats, you may want to use the List Cross-Reference Format Usage routine to find out how cross-reference formats are used. The formats appearing in the "Cross-Reference Formats Not Used" list will be deleted by the Delete Unused Cross-Reference Formats routine.

- 3 Start the routine.**

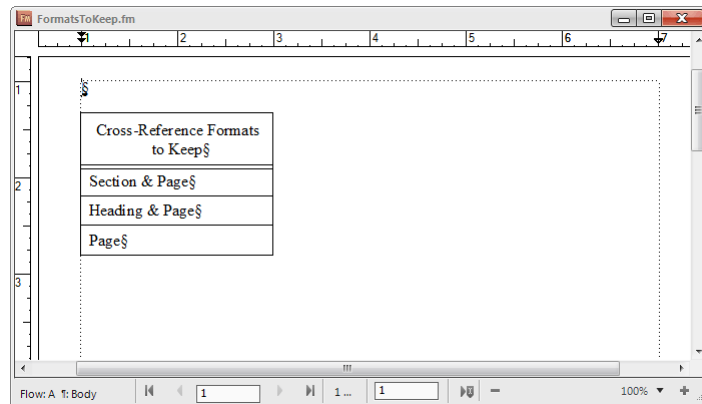
In the Tools menu, point to Cross-References and then choose Delete Unused Cross-Reference Formats.

- 4 Verify that you want to continue.**

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

Create Cross-Reference Format List

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



The Create Cross-Reference Format List routine provides an easy way to create the list of cross-reference formats you want to keep. It can create an empty list of cross-reference formats, or create a list that contains the cross-reference formats used, or all cross-reference formats 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 Cross-References and then choose Create Cross-Reference Format 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 list, or the format list can contain the used cross-reference formats, or all cross-reference formats in the active document or book.

- 4 Edit the cross-reference format list.**

After you have generated the cross-reference format list, remove those cross-reference formats that you don't want to have appear in your FrameMaker documents. You may also need to add cross-reference formats to the list if they weren't used in the documents from which the format list was constructed.

5 Save the cross-reference format list (optional).

Typically, you will create one cross-reference format list that contains all of the cross-reference formats that you use for a set of FrameMaker templates. Save this cross-reference format list with an appropriate name so you can easily associate it with a set of templates. You will use the cross-reference format list when you use the Remove Non-list Cross-Reference Formats routine.

Remove Non-list Cross-Reference Formats

The Remove Non-List Cross-Reference Formats routine examines a cross-reference formats list, and then looks at the current document or book to remove all of the cross-reference formats that don't appear in the list. Before you use this routine, be sure you've created a cross-reference format list that indicates which cross-reference formats you want to keep.

To use the routine, complete the following procedure:

1 Open a cross-reference formats list document.

This is a document you created with the Create Cross-Reference Formats List routine, and lists all of the cross-reference formats you want to keep.

2 Open a document or book.

The document or book should be active. The cross-reference format list must remain open in the background.

3 Start the routine.

In the Tools menu, point to Cross-References and then choose Remove Non-list Cross-Reference Formats.

4 Verify that you want to continue.

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



Only the cross-reference formats are deleted. If a document contains a cross-reference that uses a cross-reference format that was deleted, the cross-reference will still remain in the document.

Chapter 2

Cross-Reference Conversion

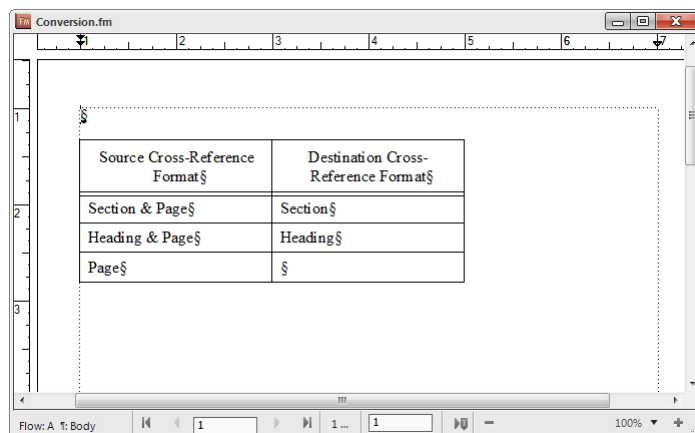


Cross-Reference Tools contains routines that will convert cross-references using a specific cross-reference format to another cross-reference format. This can be useful when converting from one set of templates to another. This chapter is divided into the following sections:

- Create Conversion Document
- Convert Cross-References

Create Conversion Document

If you want to change the cross-reference format applied to cross-references throughout a FrameMaker document, you could use Frame’s search-and-replace operation. This would be a time-consuming process. Cross-Reference Tools allows you to create a list of cross-reference formats and the cross-reference format you would like to convert them to. Cross-Reference Tools will use the conversion document to convert the cross-references in the current document or book. A cross-reference conversion document is shown in the following illustration:



The Create Conversion Document routine provides an easy way to create the list of cross-reference formats you want to convert. It can create an empty list of formats, or create a list that contains the cross-reference formats used, or all cross-reference formats 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 Cross-References 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 list, or the format list can contain the used cross-reference formats, or all cross-reference formats in the active document or book.

4 Edit the cross-reference format list.

After you have generated the format list, specify the new cross-reference format values for the cross-references you want to convert. For example, if you wanted to convert all cross-references that used the “Section & Page” cross-reference format to use the “Section” cross-reference format, you would enter “Section” into the corresponding cell in the Destination Cross-Reference Format column. You may also need to add cross-reference formats to the Source Cross-Reference Format column if they weren’t used in the documents from which the cross-reference format list was constructed.

It’s not necessary to fill all of the cells in the Destination Cross-Reference Format column. If you leave a cell empty, no conversion will occur for the cross-reference formats listed in the Source Cross-Reference Format column.



Be sure you type the cross-reference format names carefully. If the cross-reference format 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 cross-reference conversion list that contains all of the cross-reference format 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 Cross-References routine.



Chapter 3

Cross-Reference Format Report

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Cross-reference formats for FrameMaker documents can have complex definitions. You can use the Cross-Reference Format Report to list the definition of all the cross-reference formats in the current document.

To use this routine, complete the following procedure.

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

In the Tools menu, point to Cross-References and then point to Generate Cross-Reference Format Report.

The following is a portion of a cross-reference format report. It shows the definitions of the cross-reference formats in the document.

Heading & Page

Definition: <Blue><\$paratext> on page <\$pagenum>

Page

Definition: page <\$pagenum>

Section & Page

Definition: <Red>For more information, see section <\$paranum> on page <\$pagenum>



Appendix A

Command Reference

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If you want to create keyboard shortcuts for commands in Cross-Reference Tools, this appendix contains a list of the names for each command.

Command reference

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

Command	Description
ListCrossReferenceUsage	Lists how cross-reference formats are used in the current document.
DeleteUnusedCrossRefs	Deletes unused cross-reference formats from the current document.
CreateCrossReferenceList	Creates a cross-reference format list, based on the current document.
RemoveNonlistCrossRefs	Removes cross-reference formats from the current document that aren't found in a cross-reference format list.
CreateXRefConversionDocument	Creates a cross-reference conversion document, based on the current document.
ConvertCrossRefsInDoc	Converts the cross-reference formats in the current document, based on the cross-reference conversion document.

Command	Description
GenerateCrossRefReport	Generates a report of the cross-reference formats in the current document.

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

Command	Description
ListCrossReferenceUsageBook	Lists how cross-reference formats are used in the current book.
ListCrossRefUsageBookIndFiles	Lists cross-reference format usage for individual files in the current book.
CrossRefUsageBookByFormat	Lists cross-reference format usage for files in the book, sorted by cross-reference format.
DeleteUnusedCrossRefsBook	Deletes unused cross-reference formats from all files in the current book.
CreateCrossReferenceListBook	Creates a cross-reference format list, based on documents in the current book.
RemoveNonlistCrossRefsBook	Removes cross-reference formats from each file in the current book that aren't found in a cross-reference format list.
CreateXRefConversionDocumentBook	Creates a cross-reference conversion document, based on all files in the current book.
ConvertCrossRefsBook	Converts the cross-reference formats in all documents in the current book, based on the cross-reference conversion document.

The following miscellaneous command is defined in Cross-Reference Tools:

Command	Description
CrossRefToolsAbout	Displays the About dialog

Modifying a shortcut

You can use a FrameMaker customization file to add or modify a shortcut for any of the commands in Cross-Reference Tools. For example, the following lines from the “Customui.cfg” file specify that the F1 key will remove unused cross-reference formats from the current document. Notice the command value came from the tables in the previous section.

```
<Command DeleteUnusedCrossRefs  
  <Label DeleteUnused>  
  <KeySequence /F1>  
  <Definition \x1000>>
```

Refer to the Customizing FrameMaker online manual for more information about creating and using a customization file to add or change FrameMaker shortcuts.



Appendix B

SPOutput.fm



Cross-Reference Tools produces several output files, such as the Cross-Reference Format Usage report. By default, these new documents are based on the default document for your FrameMaker installation. The routines in Cross-Reference Tools expect certain paragraph and paragraph 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 Cross-Reference Tools. If this occurs, copy the SPOutput.fm template document included with Cross-Reference Tools to your FrameMaker installation.

- On Windows, place the SPOutput.fm document in the `\FrameMaker\fm\init\` folder for the FrameMaker installation. Be sure that you have proper permissions to access the file.
- On the Macintosh, place the SPOutput.fm document in the Modules folder for the FrameMaker installation.

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



If you want to customize the output from Cross-Reference 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



Cross-Reference 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
CrossRefToolsAbout	Displays the About dialog.
ListCrossReferenceUsage	Creates a document that lists cross-reference format usage for the current document.
ListCrossReferenceUsageBook	Creates a document that lists cross-reference format usage for the current book.
ListCrossRefUsageBookIndividual	Creates a document that lists the cross-reference format usage for each document in the current book individually.
ListCrossRefUsageBookByName	Creates a document that lists each cross-reference format used in a book, and the corresponding documents that use that format.
DeleteUnusedCrossReferences	Deletes unused cross-reference formats from the current document.

Command	Description
DeleteUnusedCrossReferencesBook	Deletes unused cross-reference formats from all documents in the current book.
CreateCrossReferenceList	Creates a cross-reference list based on the current document.
CreateCrossReferenceListBook	Creates a cross-reference 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.
RemoveNonlistCrossReferences	Removes the cross-reference formats from the current document that are not in the cross-references list.
RemoveNonlistCrossReferencesBook	Removes the cross-reference formats from the documents in the current book that are not in the cross-reference list.
ConvertCrossReferencesDoc	Converts the cross-references in the current document.
ConvertCrossReferencesBook	Converts the cross-references in the documents in the current book.
GenerateCrossReferenceReport	Generates a cross-reference format report for 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 Cross-Reference Tools plug-in is named “Cross Reference Tools”. This is the client name that was given to the plug-in when it was created.

Macintosh

For the Macintosh, the Paragraph Tools plug-in is named “CrossRefTools”. 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 Cross-Reference Tools from FrameScript and the FDK.

FrameScript

To control Cross-Reference 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 cross-reference format usage for the current document.

```
CALLCLIENT FrameClient('Cross Reference Tools')  
Message('ListCrossReferenceUsage') ReturnVal(retVar);
```

The following example shows how to use the CALLCLIENT command on the Macintosh to delete unused cross-reference formats for the files in the current book.

```
CALLCLIENT FrameClient('CrossRefTools')  
Message('DeleteUnusedCrossReferencesBook')  
ReturnVal(retVar);
```



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

FDK

To control Cross-Reference 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 delete the unused cross-reference formats in a document.

```
F_ApiCallClient("Cross Reference Tools",  
"DeleteUnusedCrossReferences");
```

The following example shows how the `F_ApiCallClient()` function is used on the Macintosh to generate a cross-reference report.

```
F_ApiCallClient("CrossRefTools",  
"GenerateCrossReferenceReport");
```

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("Cross Reference Tools", s);  
  
F_ApiCallClient("Cross Reference Tools",  
"RemoveNonlistCrossReferences");
```




Appendix D Registration



Cross-Reference 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 Cross-Reference Tools useful, we encourage you to pay the registration fee.

License types

The following types of licenses are available for Cross-Reference 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.

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:

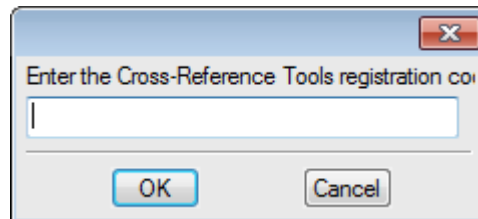
Registration Code: _____



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 7 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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