

INSPECTOR™ 2.0

Inspector™ Registered To: FM Nexus Version: 2.0

Comprehensive diagnostic, debugging, and documenting tool for FileMaker Professionals

Take control of your FileMaker projects with the help of Inspector™ - designed by a developer for developers

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David Alter & Kurt Shelly and help from
Luke van der Westhuyzen "The XML Jedi!"

Special Thanks...

To Ken Holman. Thank you Ken for the help and advice. If you ever want to learn about XPATH from the expert visit [CraneSoftwrights](#) for more info.

And a special thank you to all those who continue to be supportive and encouraging...

Dedication:
In Memory of Maria and of my Father ...
Thank you for the memories and the inspiration.

Register / Purchase:
To purchase a copy visit
<http://fmxexus.com/inspector>

Inspector 2.0
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WARNING: Using this product WILL make you a better FileMaker Developer !

Helps you build, maintain and troubleshoot your FileMaker Pro 7/8/9 solutions.

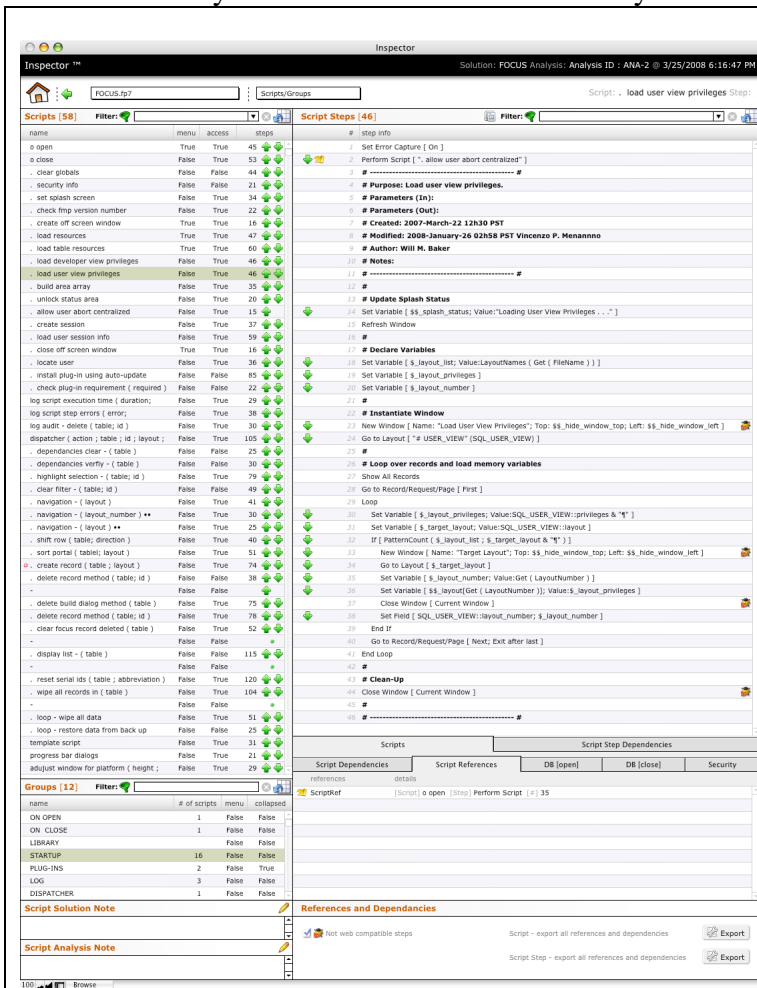
Welcome to Inspector 2.0

Yes it has been a long while and we are really please to bring you Inspector 2.0 to help you troubleshoot your solutions with. Whether they are big or small solutions it is wise to have your meta data reviewed with Inspector. I have been building solutions for almost 15 years now and sometimes little errors creep into your solutions over time. Inspector helps you find those potential problems before they turn into possible disasters.

Here are some of the great new features available in Inspector 2.0

Full support for FileMaker Advanced 9 DDR

All interface layouts are now auto-resize friendly



Take full advantage of your large screen huge monitors.

So if you have a larger solution and need to see the big picture, then simply set the size you want to view your information at and Inspector will adjust to suit your needs.

Inspector remembers the size you want to work at, and when you launch it again it will be right back where you left it.

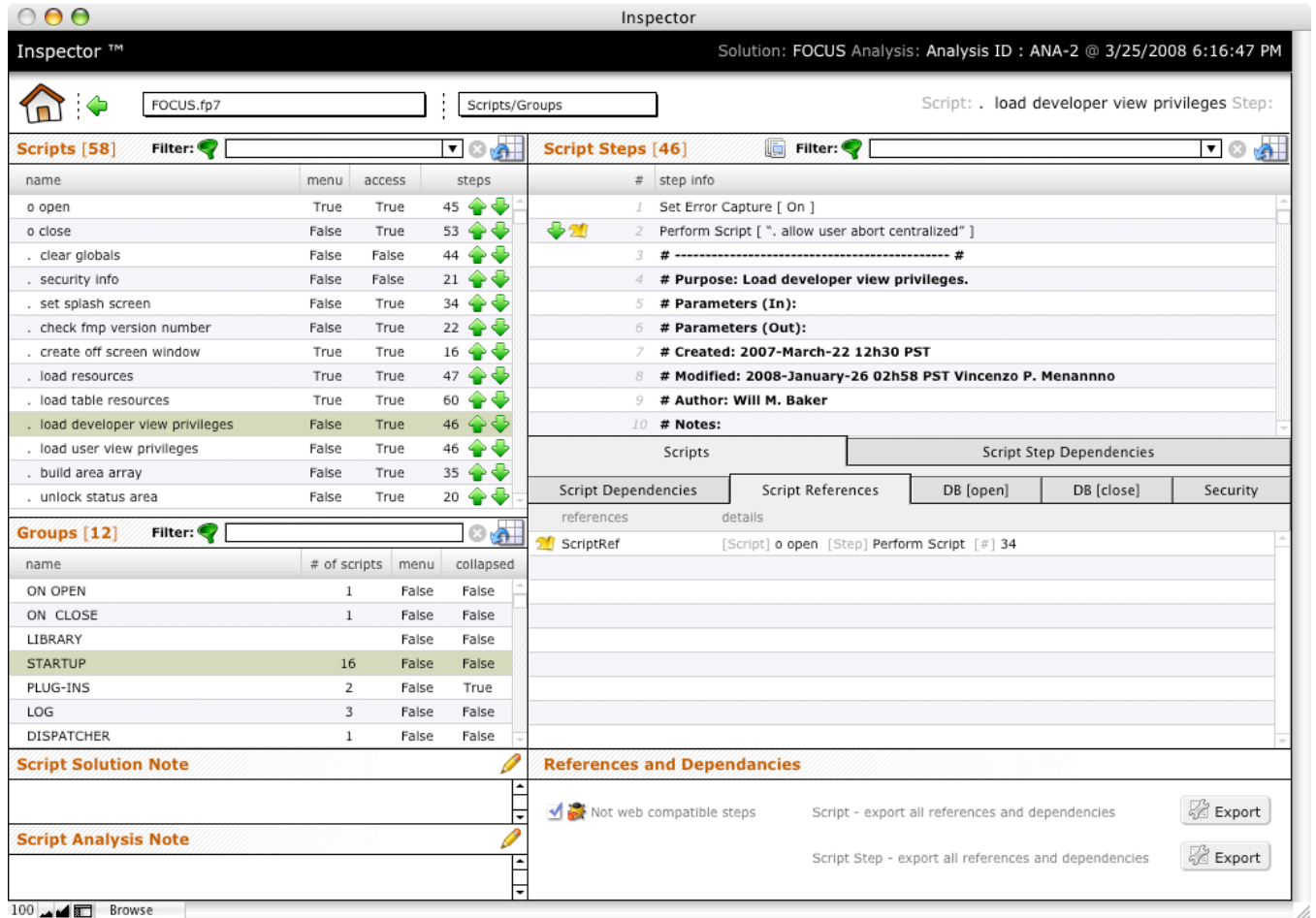
You don't need to specify one size or the other anymore, and so that preference is also now gone from the preferences.

Eleven new non-referenced item reports for quick access to items that are no longer referenced.

Note: seeing as layout parts are not output by the DDR then fields that are used in sub-summary reports for sorting the sub-summary parts are not tracked by the DDR. Also if you have defined fields in statements like evaluate, Inspector won't be able to pick up those references automatically but you can always do a string search across all calculations.

All conditional formatting calculations are tracked in the dependency table and you can search on any field, function, custom function, external function, or table occurrence from one central place.

New UI for Script Groups! Now when you select a script its parent group is selected instantly. Click on a group and instantly see all the scripts within that group.



Improved comparison reporting and progress dialog.

Instantly fine layout objects with associated tooltips.

New calculation search criteria allow you to narrow your search for specific calculation types.

Included are also Inspector Seals that you can use in your solutions, which have been inspected with Inspector. And they look great too ;) We hope that this update will help you develop, document and troubleshoot your solutions in FileMaker 9.0.

Inspector 2.0 still comes unlocked for you to customize it to suit your needs!

What is new in Inspector 1.7 – UNLOCKED

Inspector 1.7 is now Unlocked – Yes, it is completely unlocked; however you will still need to enter an activation code to process DDRs., and you can't sell or redistribute modified copies. But the great news is, it is now possible to completely modify any aspect of Inspector!

WARNING: Modifying Inspector might lead to it no longer working correctly – modified versions are disqualified for free tech support.

NOTE: If you make changes in this version, you WILL need to redo your changes in a future update. So keep track of your changes.

Fixed a bug when memory variables were used in a go to layout script step (either layout name by calculation or layout number by calculation). Inspector now indicates an error when appropriate.

What is new in Inspector 1.6

A new option for not reporting relationships that have mismatched field types is now a preference.

The image displays two side-by-side screenshots of the Inspector: Preferences window, illustrating a change in the 'Problem Detection' section.

Left Screenshot (Inspector 1.6): The 'Problem Detection' section is expanded. It contains three checked options:

- Report blank target fields as problems
- Report problems with "Show record using layout"
- Report problems with "mis-matched" fields


Right Screenshot (Inspector 2.0): The 'Problem Detection' section is expanded. It contains two checked options and one unchecked option:

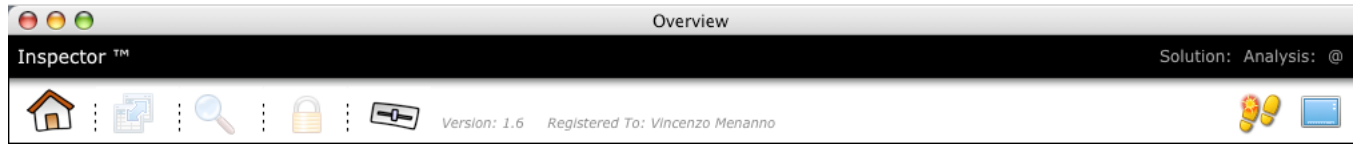
- Report blank target fields as problems
- Report problems with "Show record using layout"
- Report problems with "mis-matched" fields

Below the 'Problem Detection' section in the right screenshot, the 'Web Compatibility' section is visible with the 'Not web compatible steps' option checked:

- Not web compatible steps

Inspector 2.0 takes advantage of auto-resize!

Tutorial movies from Lynda.com are now directly available  in the main window – just click on the footsteps to take you there. <http://movielibrary.lynda.com/html/modPage.asp?ID=303>



As of Inspector 1.6, it's possible to modify report layouts. Simply open up Inspector with FileMaker, go to layout mode and any layout prefaced with the 2 letter code of "RE" is modifiable.

Inspector 1.5 changes

The big news is that Inspector 1.5 is now a universal binary. If you own an Intel Mac and were using the previous version of Inspector, you'll see appreciated difference in performance and responsiveness. In this release we have also added support for networking Inspector, to allow a team of developers to document and troubleshoot solutions (import DDR only working on the Mac at this time).

Bug fixes in Inspector 1.5

A value list might show green up and down arrows for references and dependencies, but with no items visible in the tabs. Also, some references and dependencies were not included when exporting. These issues have been fixed.

Thanks to Will's help, we tracked down a bug dealing with a disappearing overview window when no layout objects present in a database.

A set variable calculation with an error would not be caught. This has been fixed.

Fixed a bug where field value list dependencies were not being reported or recorded in the references and dependencies text file. This has been fixed.

Fixed a bug where fields used in lookups were not being reported as dependencies or recorded in the references and dependencies text file. This has been fixed.

Corrected the ability to set problems as being fixed - for example if a field calculation had been flagged with a problem dot and was then toggled to fixed, it would only update a count of 1 fixed problem, even if there were multiple problems. This has been fixed to update the correct count of problems. Unfortunately there is no provision to independently toggle each problem within an element, so it will be the responsibility of the developer to make sure that all problems have been fixed. For example, if you had a calculation with Function Missing and Table Missing - they would be reported as 2 separate problems, but because they are under one field, when the field is flagged as being fixed, then both those items should have been addressed.

Major overhaul in the comparison reporting section, we do the best we can in some areas – for example if we had unique ids for script steps we could easily know if a step was changed, deleted, or added. This is just not possible without FileMaker providing this additional level of detail. We hope that in some future version this might be possible – and we could deliver you a much more powerful tool. But in the meantime it works, but it can be very verbose even for simple changes.

New Reports in Inspector 1.5

A new report Accounts (by privilege set) report is now available.

Enhancements in Inspector 1.5

New script steps and new functions are automatically going to show up in inspector.

Support for new web viewer layout object available.

Thanks to Charlie from inRESONANCE, who encouraged me to allow Inspector to be hosted on FileMaker Server (Import DDR only working on the Mac platform at this time due to a bug with file paths under Windows). So much more can be done when working together as a team, having Inspector on FileMaker Server enables this to take place.

Added error reporting if the fields used in a relationship are not of the same type.

What is new in Inspector 1.1

It has only been a little over 3 months since the release of Inspector 1.0 and already many developers swear by it. We are thrilled to bring you this update with some bug fixes and some new enhancements (from users like yourself – You submitted, and we implemented!).

New preferences in Inspector 1.1

New problem detection preference options: You can set a preference for Inspector to disregard problems with the Go To Related records script step. Seeing as this has been an unresolved bug when a go to related record script step went to a layout that was associated with a table occurrence in a file reference, the DDR output the information as unknown. Only the display was incorrect- there was no real bug there. You can now instruct Inspector to not flag that as a bug.

Another common practice among developers was using step that would normally target a field, but they left it blank intentionally. Inspector has a preference not to report problems in this case.

We think you'll really like this next feature: the ability to show a bug icon to indicate a script step that is not web compatible. This is great for all those who develop systems for instant web publishing, custom web publishing or PHP-FileMaker integration. This is ideal to quickly spot any steps in your script that might not be web compatible. It's a huge time saver.

Bug fixes in Inspector 1.1

The label for total number of fields in a selected basetable was showing the incorrect value when any basetable but the first was selected. Now shows the correct count for all selected basetables.

Changed the index language for all filters to Unicode, and modified the filter calculation to support multiple languages and character sets.

When looking at a specific table occurrence and seeing what references are associated with create and delete, fields were not correct for one of the references. This has been fixed.

When multiple analyses were imported one after another, the progress dialog might still have information lingering from the previous analysis - most notably the database name. This would show in the progress dialog. This has been fixed.

Adding notes was not working correctly when first adding an analysis note, and then a solution note ... this is currently being addressed.

When a script has a step to import from another table and some of the fields were not being mapped, Inspector would still report those fields as being referenced. Those fields will no longer be reported as being referenced by that import script step because the import mapping was set to "Do Not Import".

When a database file was not present at the time the DDR is generated, then Perform Script steps that were referenced were not reported as problems. Inspector now catches those items and reports them with a clear description of the problem.

Another great fix was twofold... we fixed some references and dependencies that were not calculating correctly - AND - in so doing we actually managed to improve performance of the references and dependencies process - I am happy to say it is much faster. Yahoo.

And of course, what would this product be without a few spelling mistakes that our users catch here and there?!

New Reports in Inspector 1.1

A new Auto-Enter Serial report can be generated for all fields with an auto-enter option... this report shows you the next auto-enter serial values for all fields in your analysis, sub-summarized by database name.

The Basetable Privilege Records report allows you to see all the privileges associated with a particular basetable. This view allows you to focus quickly on slight differences

The Basetable Privilege Layouts report allows you to see all the privileges associated with a particular layout. This view allows you to focus quickly on slight differences

The Basetable Privilege Value Lists report allows you to see all the privileges associated with a particular value list. This view allows you to focus quickly on slight differences

The Basetable Privilege Scripts report allows you to see all the privileges associated with a particular script. This view allows you to focus quickly on slight differences

The Basetable Fields report allows you to see all the privileges associated with a particular field. This view allows you to focus quickly on slight differences.

Layouts report with object count shows you a summary of total number of Fields, Portals, Graphics, Rectangles, Rounded Rectangles, Group Buttons, Lines, Texts, Merge Fields, Ovals, and Tab Controls.

Layouts (By table occurrence) report with object count shows you a summary of total number of Fields, Portals, Graphics, Rectangles, Rounded Rectangles, Group Buttons, Lines, Texts, Merge Fields, Ovals, and Tab Controls.

Enhancements in Inspector 1.1

Added the ability to filter script steps using the keyword "[MEMORY VARIABLE]". For example you can now enter the following into the Filter: "[MEMORY VARIABLE] \$\$_Project_ID" ; to locate all references to the global memory variable "\$\$_Project_ID".

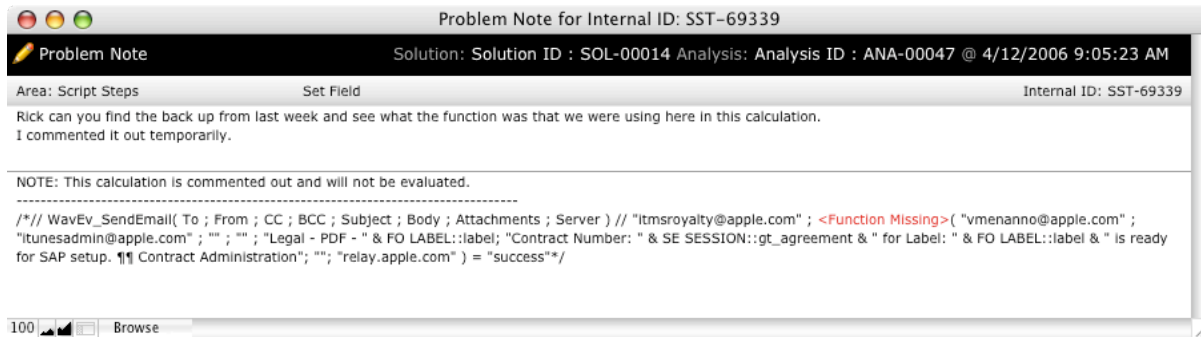
Ability to export all DDR information collected in the following areas: Basetables, Table Occurrences of the selected basetable, Fields of the selected Basetable, All Table Occurrences, Relationships, Join Predicates, Join Sorts, Layouts, Layout Objects, Value Lists, Scripts, Script Steps, Accounts, Privilege Sets, Access Restrictions for Records, Access Restrictions for Layouts, Access Restrictions for Value Lists, Access Restrictions for Scripts, Field Access Restrictions, Extended Privileges, File References, Custom Functions, Custom Menu Sets, Custom Menu Lists, Custom Menus, and Custom Menu Items.

Added the ability to filter layout objects using the keyword "[TYPE], [GROUPBUTTON], [VALUE LIST], or [PROBLEMS]". For example you can now enter the following into the Filter: "[GROUPBUTTON]"; to filter and show all layout objects that have a groupbutton associated with them. You can also be more specific and type "[GROUPBUTTON] new customer" to locate a groupbutton assigned to the script "new customer".

Added the ability to show a little bug icon at the script step level when a step is not web compatible... implemented as a preference which can be toggled at any time... see attached screen shots. This can come in handy when building solutions bases on IWP, CWP, or FX.php. It is also possible to search for web compatible steps using the search capabilities of Inspector.

Dots now show red for problem and blue for fixed.

When you hover over a dot, a tooltip will display and provide instructions on how to toggle it to fixed or to change it back. Also added the ability to enter a problem note.



When you print out element reports, the problem net will also show up alongside the associated element. Note the problem note is listed in red; in this case, it is a script step, and shows up when you print it out.

Welcome To Inspector 1.0

What makes Inspector cool?

Installing

Registering Inspector

Inspector Preferences

Importing a DDR (Database Design Reports)

Navigation

Detecting Problems

References and Dependencies

Reports

The 4 Main parts of Inspector

- Overview / Inspector – Viewing all Elements

- Compare – From Version to Version

- Search – Powerful Search Capabilities

- Security – New Security Perspective

Inspectors

- Databases

- Basetables

- Fields

- Tables

- Relationships

- Layouts

- Value Lists

- Scripts

- Accounts

Privilege Sets
Extended Privileges
File References
Custom Functions
Custom Menu Sets
Custom Menus

Limitations

Licensing Information

Thank You

What Makes Inspector Cool?

Fields for selected basetable [12] Filter: [dropdown]

name	auto	index	global	type
accountname	True	All	False	Text-Normal
password	True	None	False	Text-Normal
status	True	None	False	Number-Normal
account_expires	True	None	False	Date-Normal
notes	True	None	False	Text-Normal
change_password	True	None	False	Number-Normal
days_change_password	True	None	False	Number-Normal
min_password_length	True	None	False	Number-Normal

Dependencies Calculation References Security Other References

Field [Field] ci_status [Basetable] USER [Database] AM Data.fp7
 Field [Field] ci_active [Basetable] USER [Database] AM Data.fp7
 Script [Script] . check account status [Step] If [#] 9
 Script [Script] . check account status [Step] If [#] 16
 Script [Script] f toggle user status [Step] Set Field [#] 19
 Script [Script] e export users [Step] Export Records [#] 16
 Script [Script] e export user records [Step] Export Records [#] 16
 Script [Script] i import user records [Step] Import Records [#] 11
 Script [Script] i import user records [Step] Import Records [#] 11
 Script [Script] i import users [Step] Set Field [#] 40
 Script [Script] f toggle user status [Step] Set Field [#] 19

For Professionals: Professional FileMaker developers know that meaningful projects take a while to build. Over time, the details of development seem to leave our memories first. How then, do we work on large projects without dutiful memorization?

Inspector! As an advanced diagnostic development tool, it can tell you exactly where every database element is being used or referenced. Powerful search capabilities provide a single location where you can search for any field, function, text, or variable and see where it is being referenced inside any calculation.

Script: c send email notify Step: Set Field

Script Steps [40] Filter: [PROBLEMS]

#	step info
15	If [<Table Missing>::<Field Missing> = 1]
19	Set Field [AX HISTORY::subject; <Table Missing>::<Field Missing>]
20	Set Field [AX HISTORY::body; <Table Missing>::<Field Missing>]
26	Set Field [<Table Missing>; <Table Missing>::<Field Missing>]
31	Set Field [AX COMMUNICATION::xd_people; <Table Missing>::<Field Missing>]
33	Set Field [AX COMMUNICATION::subject; <Table Missing>::<Field Missing>]
34	Set Field [AX COMMUNICATION::body; <Table Missing>::<Field Missing>]

Scripts Script Step Dependencies

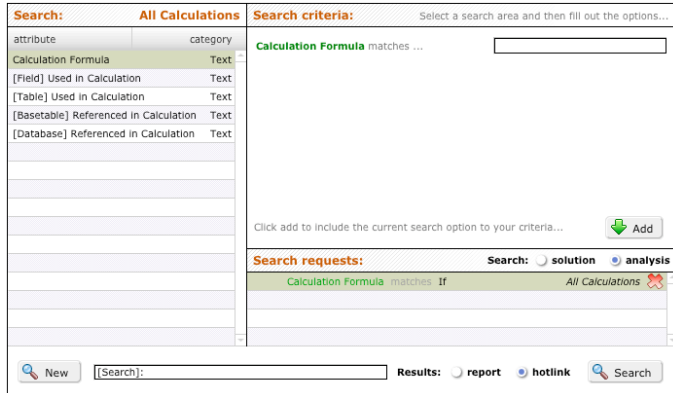
Script Dependencies Script References DB [open] DB [close] Security

field	basetable	database
NoRef (CurrentDate)		Frugal Foodies.fp7
NoRef -10000		Frugal Foodies.fp7
NoRef -10000		Frugal Foodies.fp7
NoRef "Notify"		Frugal Foodies.fp7
LayoutRef AX HISTORY		Frugal Foodies.fp7
LayoutRef AX PEOPLE		Frugal Foodies.fp7
LayoutRef AX COMMUNICATION		Frugal Foodies.fp7
LayoutRef AX PEOPLE		Frugal Foodies.fp7
FieldRef date	HISTORY	Frugal Foodies.fp7

Finding Problems Fast & Easy: Not only can Inspector show you where an element is being referenced, but more importantly, it can show you errors. Inspector can be useful to you in the early phases of a project. Use Inspector from the beginning of your development work and it will track all the elements in your project and ensure you don't introduce problems along the way.

When Inspector finds a problem, it can link directly to the element so you can inspect it further. You can also print a problem report for specific areas in the database overview.

Separating problems into specific areas enables multiple developers to work on fixes simultaneously.

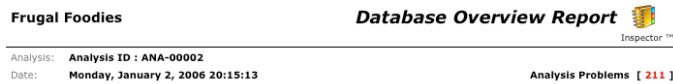
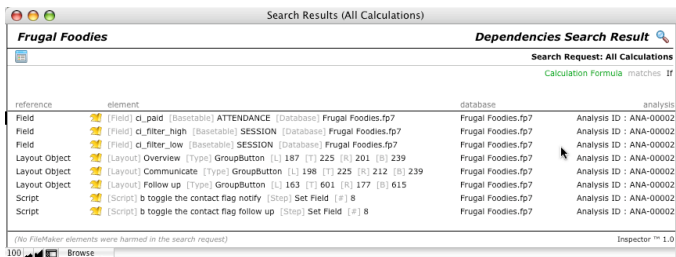


Helping With Converted Solutions: Inspector shows the details of solutions created prior to the new FileMaker 7/8 architecture.

Quickly find and address issues that may present problems down the road. Use Inspector's powerful search capabilities to locate anything that may require special attention.

For example, you can perform a search for a memory variable and all the calculations it was used in. Inspector will show you every calculation using that memory variable; even tool tip calculations. Now that's cool!

The example on the left shows a search for every reference to the "If" function.

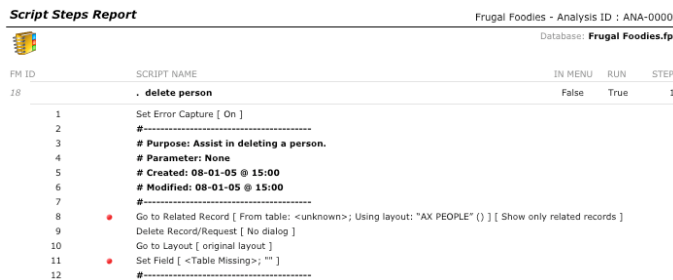


Documentation: Some projects require you to produce complete documentation. Inspector provides a variety of reports that document your entire solution. When importing the DDR you can also check the option to inspect references and dependencies.

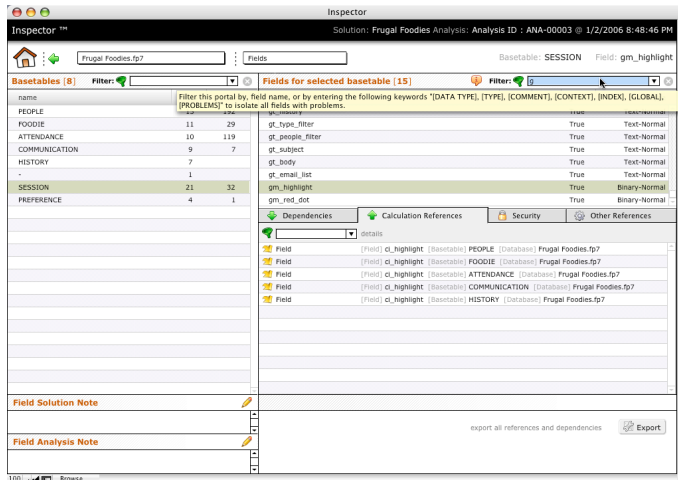
In some reports, documentation is summarized by such useful categories as Table Occurrences.

catalogs	elements	problems
Basetables:	8	0
Fields:	77	30
Table Occurrences:	29	0
Relationships:	6	0
Layouts:	13	8
Layout Objects:	446	98
Scripts:	45	0
Script Steps:	354	69
Value Lists:	3	1
Accounts:	3	0
Privileges:	4	0
File References:	3	3
Privilege Basetables:	85	2
Privilege Fields:	56	0
Extended Privileges:	6	0
Custom Functions:	0	0
Dependencies:	450	0
Custom Menu Sets:	3	0
Custom Menus:	35	0
Potential problems detected	elements	problems
Totals for current database:	1,626	211

References and Dependencies: Inspector will show an upward pointing arrow if an item is referenced by another element and a downward pointing arrow if the item has dependencies. A green dot indicates an element with neither dependencies nor references. Green-dot elements are grouped together in a report. You can see examples of this in the images associated with security.



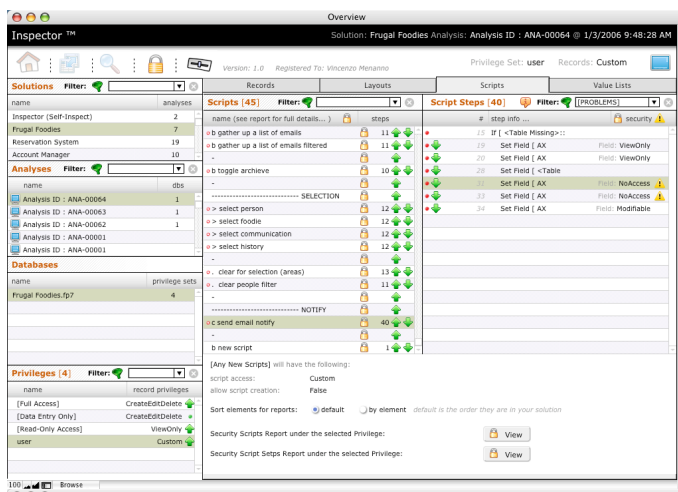
As an added bonus you can export references and dependencies as a text file.



When You Just Need To Know: Inspector provides ways to easily locate database elements. Above each portal, a filter quickly locates the field, script, or layout object.

The portal filters take advantage of FileMaker's new auto-complete feature.

But it gets better! Filters have tool tips that hint on the keywords you can use.



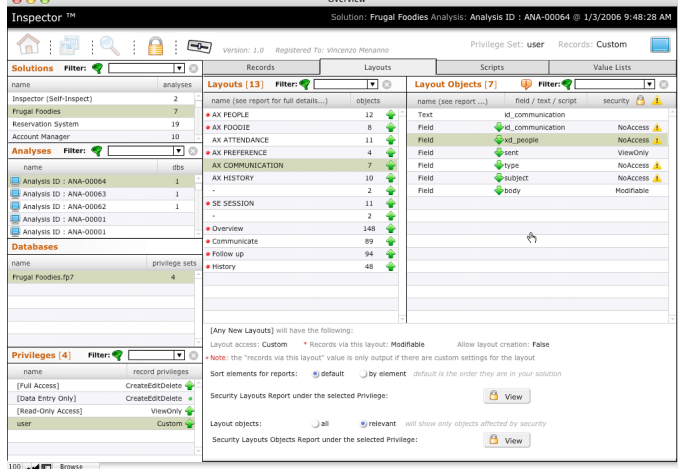
Security: When utilizing privilege sets, the security area in Inspector makes it easy to see information normally obscured by the Accounts and Privileges dialog. It is especially helpful when you have custom security settings on fields, scripts, layouts and value lists.


Example: One group of fields is set as view only, another group is set as modifiable, and the remaining fields are set as no access.

In the Accounts and Privileges dialog you can see the fields for a particular basetable, but fields on a layout or referenced in a script may come from different basetables. Inspector solves this problem by showing you the details in the context of that layout or the script.

The security view is extremely useful because Inspector shows warning symbols when an element is set to "no access". Warning symbols show you the security settings in the context of privilege sets.

View security problems by selecting a privilege set and then navigating to the appropriate fields, layouts, scripts, or value lists.



Comparison Report		From: ANA-00001 To: ANA-00002
		Database: Frugal Foodies.fp7 CUSTOM MENU ITEM
The custom menu item script name was changed from # to <unknown>		
Edit Copy		
49153	Preferences...	CMI-00043
The custom menu item step text was changed from:		
Perform Script ["#"]		
to		
Perform Script ["<unknown>"]		
The custom menu item script name was changed from # to <unknown>		
FIELD		
6	[Field] fee [Basetable] ATTENDANCE	FIE-00029
The autoenter calculation was changed from:		
FD FOODIE::fee		
to		
<Table Missing>::<Field Missing>		
4	[Field] email [Basetable] PEOPLE	FIE-00079
The field was deleted		
5	[Field] phone [Basetable] PEOPLE	FIE-00080
The field was deleted		
11	[Field] ci_attended [Basetable] PEOPLE	FIE-00087
The field was deleted		

Change reports: If a client requires documentation for your work on their systems, Inspector can help.

Generate a DDR before you begin making changes and another DDR upon completion.

Then, let Inspector's comparison report show you what has changed from one version to the next.

Power-Key Tip: Inspector has a shortcut for avoiding dialogs. As you get familiar with Inspector and want to move quickly, hold down the Option (Mac) or Alt (Windows) key to avoid dialogs.

Example: Deleting an analysis in Inspector will present you with a dialog to confirm this action. Use the Power-Key tip above to avoid this dialog and save time.

As a runtime solution, Inspector doesn't hamper productivity. It allows you to continue working in FileMaker even as it imports the most recent DDR information. Dive in, explore and experience the product first hand. I welcome your comments and always welcome suggestions on how to improve the product. I look forward to hearing from you.

Inspector sets a new standard for monitoring FileMaker solutions. It helps developers build, document, troubleshoot and maintain solutions.

As the saying goes "Work Faster, Share More!"... Inspector helps you do both.

A little humor goes a long way ... so heed the warning and spread the word!

WARNING: Using this product WILL make you a better FileMaker Developer !

Installing



1. Download Inspector.
2. Decompress the archive.
3. Copy the Inspector Folder into Applications (mac) Program Files (win).

DDRs can become very large. If your large and complex solutions generate DDRs in excess of 20 MB, consider making a copy of the Inspector runtime application and including it as part of each project. This produces faster searching and reporting by minimizing the size of Inspector.

Inspector is built with FileMaker Pro 8 Advanced. It is meant as a companion application to assist you in your FileMaker development.

Registering Inspector

The first time you launch Inspector it will prompt you for an activation code. An activation code is required for both the demo and licensed versions. When you download the product you'll be emailed an activation code. The demo code provides 2 weeks of use though printing is disabled.

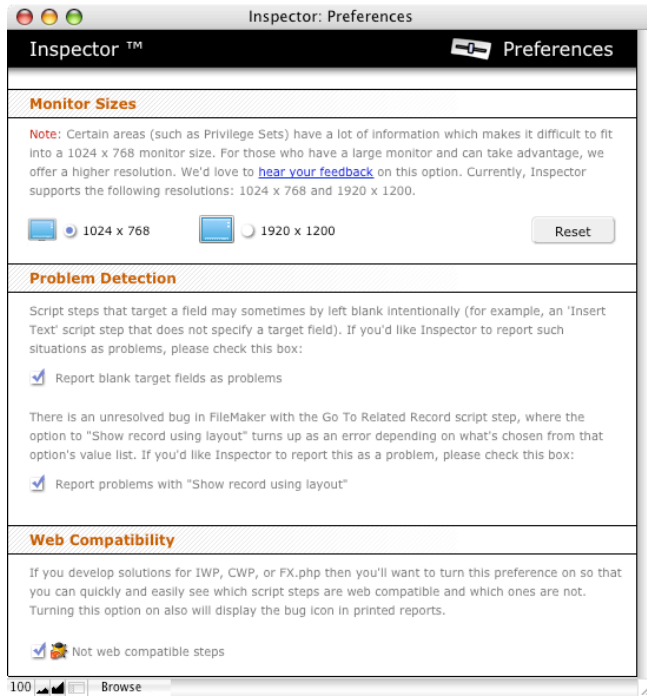
You can register Inspector when you launch the product.

Inspector Activation	Inspector Activation
Enter an activation code for Inspector	Enter an activation code for Inspector
Owner Name: <input type="text"/>	Owner Name: <input type="text" value="Vincenzo Menanno"/>
Activation Code: <input type="text"/>	Activation Code: <input type="text" value="INS-1.0-5109-Z3QB4WV-OPE5"/>
<input type="button" value="Cancel"/> <input type="button" value="OK"/>	<input type="button" value="Cancel"/> <input type="button" value="OK"/>

Valid registration codes are confirmed with a thank you message. Entering a demo activation code will show the expiration date.

Inspector Activation
Thank you for purchasing Inspector 1.0 We hope it will be useful in your FileMaker development.
<input type="button" value="Ok"/>

Inspector Preferences



Screen size is the only preference in Inspector.

If you are fortunate enough to have really large monitors, this preference is for you. By default Inspector supports a monitor resolution of 1024 x 768.

1. Click on the preferences icon in the toolbar area in Inspector.
2. Choose the larger setting radio button.
3. Click the reset button.

The Scripts view sizes are compared below.

Note: A tool tip appears when hovering over the red dot. You can quickly see a problem element.

Inspector™ Solution: Dragon Web Surveys Analysis: Analysis ID : ANA-00064 @ 1/3/2006 9:48:28 AM

Frugal Foodies.fp7 Scripts Script: c send email notify Step: If

Scripts [13] Filter: [v]

name	menu	access	steps
b delete sign up	False	False	19
-	False	False	
b toggle the contact flag notify	False	False	10
b toggle the contact flag follow up	False	False	10
-	False	False	
b gather up a list of emails	False	False	11
b gather up a list of emails filtered	False	False	11
-	False	False	
b toggle archive	False	False	10
-	False	False	
----- SELECTION			
> select person	False	False	12
> select foodie	False	False	12
> select communication	False	False	12
> select history	False	False	12
-	False	False	
. clear for selection (areas)	False	True	13
. clear people filter	False	False	11
-	False	False	
----- NOTIFY			
c send email notify	False	False	40
-	False	False	
b new script	False	False	1

Script Steps [40] Filter: [v]

#	step info
8	Set Error Capture [On]
9	#-----
10	If [IsEmpty (FL PEOPLE COMMUNICATE::id_people)]
11	Show Custom Dialog [Title: "Email"; Message: "No people in the current select to email.";
12	Exit Script []
13	End If
14	#-----
15	If [<Table Missing>::<Field Missing> = 1]
16	[Problem] <Table Missing>::<Field Missing> = 1
17	New Record/request

Script Step Dependencies

Script Dependencies	Script References	DB [open]	DB [close]	Security
FunctionRef	IsEmpty	basetable		database
NoRef	(Frugal Foodies.fp7
FieldRef	id_people	PEOPLE		Frugal Foodies.fp7
NoRef)			Frugal Foodies.fp7
NoRef	"Email"			Frugal Foodies.fp7
NoRef	"No people in the current select to email."			Frugal Foodies.fp7
FunctionRef	Get			Frugal Foodies.fp7
NoRef	(CurrentDate)			Frugal Foodies.fp7
NoRef	-10000			Frugal Foodies.fp7

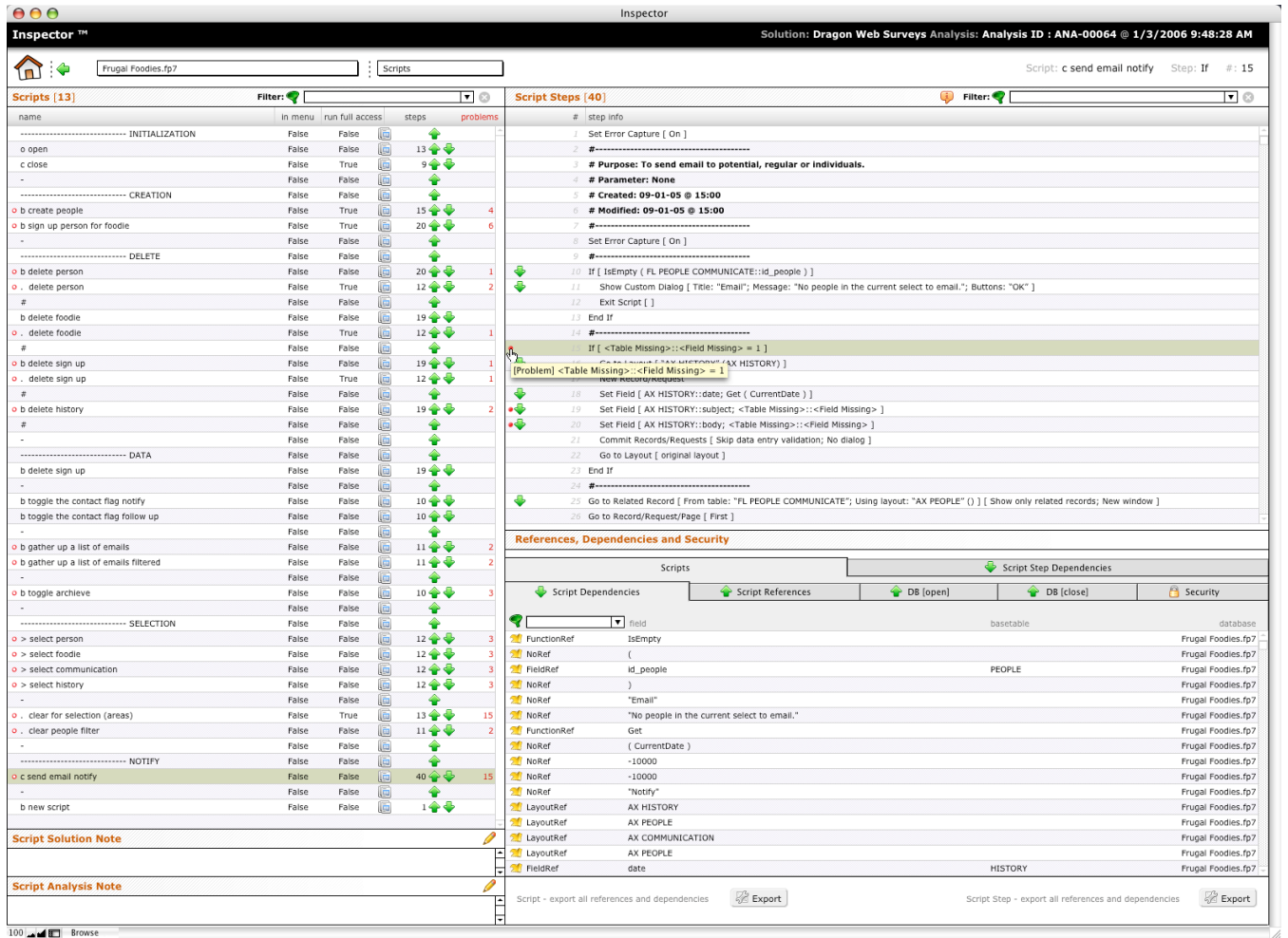
Script Solution Note

Script Analysis Note

Script - export all references and dependencies [Export](#)

Script Step - export all references and dependencies [Export](#)

This is the 1024 x 768 view.



A larger monitor can be a huge help. Dual monitors are ideal.

Importing DDRs

Inspector imports a DDR by pointing to the XML summary file created when that DDR is generated from within FileMaker Pro Advanced.

DDR output is described in more detail below. You can rename the "Summary.xml" file but remember to point to it when you are importing your DDR.

Next, you'll create a solution in one of two ways. When you launch Inspector you should be presented with the following Overview window. The one in the example already contains many solutions and analyses.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Inspector Window

Solution Filter

List of multiple Analyses

Analysis Filter

Legend of symbols used by Inspector

- = problems
- = sub problems
- = un-referenced
- = item is referenced
- = item has dependencies
- = hot link icon
- = inspector window
- = memorize window location
- = calculation is commented
- = additional detailed information
- = reports
- = security (reports)
- = export references & dependencies

Create a new solution (and begin importing DDRs)

Solution note

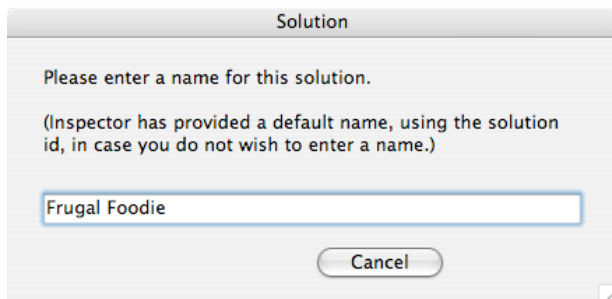
DDR Import options

Analysis note

Reports on a selected Analysis

Show details for a selected Analysis

Import DDR



Clicking the button labeled "New" in the solution note area on the left is one way to create a new solution.

A dialog allows you to enter the name of your new solution. In this example we'll document one called Frugal Foodie.

Close Window	⌘W
Page Setup...	
Print...	⌘P
New Solution	⌘N
Import DDR	⌘D
Inspector	⌘I

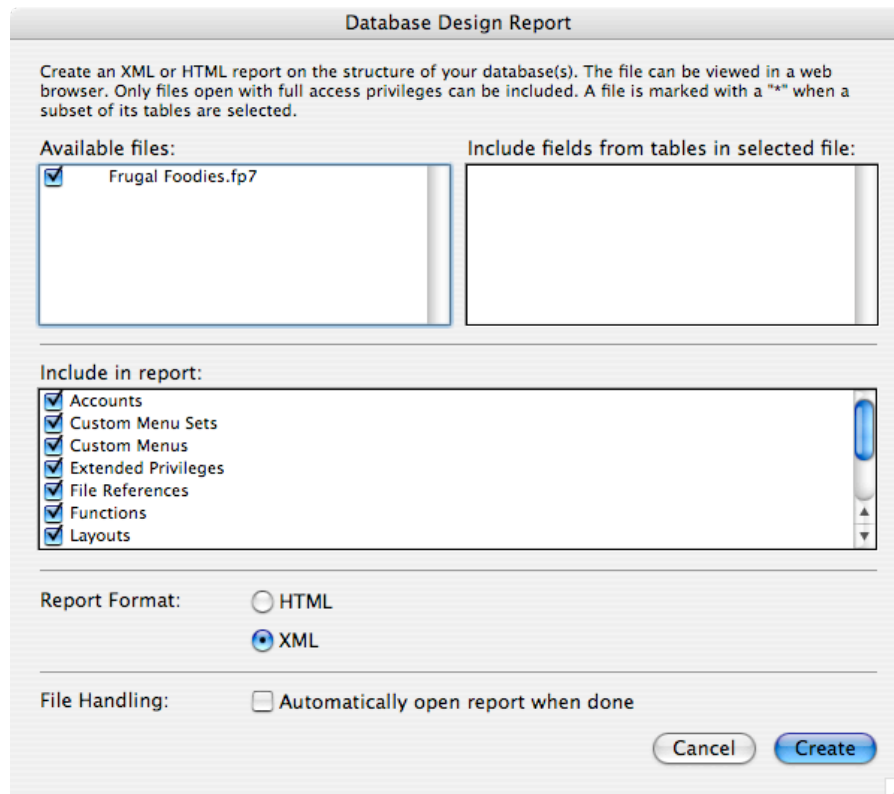
The other method is to Select "New Solution" from the file menu and enter the name of your solution when prompted.

Once you have created a solution you are ready to begin tracking Analyses and importing DDRs. Import a DDR as often as you like.

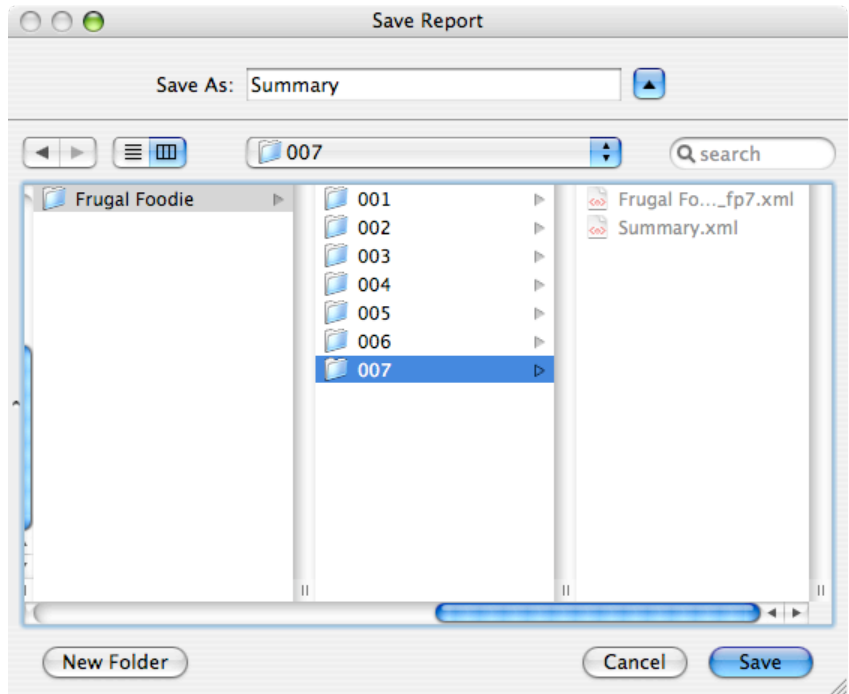
Note: The DDR output can be rather large and thus increase the size of Inspector dramatically. If your solution is large, you might be using Inspector more as a spot-checking tool and not during ongoing development.

Note: Inspector requires the more comprehensive DDR output (Database Design Reports) by FileMaker Advanced 8. In FileMaker Advanced 8 the updated DDR is more accurate and complete. It includes such things as merge fields, portals, tab controls (new in FileMaker 8), and other enhancements. The best way to take advantage of Inspector even for your FileMaker 7 solutions is simply to open them with FileMaker Pro 8 Advanced.

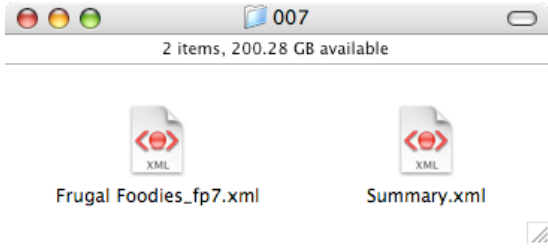
To create a DDR in FileMaker Pro Advanced 8 select "Database Design Report..." from the Tools menu. You'll be presented with the following dialog.



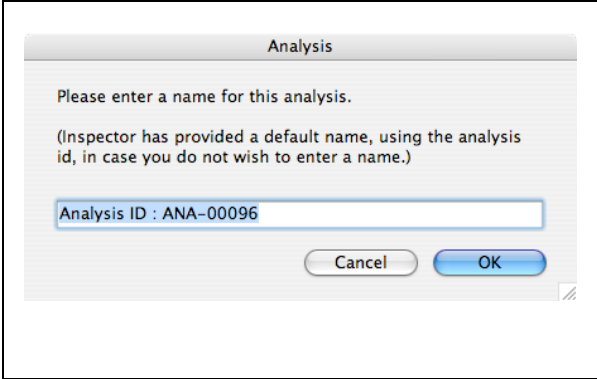
If you have multiple databases you will see them in the area labeled Available Files. Generating a DDR requires each file to be open with full access. Once you have selected the files, click the create button and choose a location to save your DDR.



I find it helpful to use a folder hierarchy. Inside my solution folder I label a folder as DDR. Inside the DDR folder I have sequentially numbered folders. Each time I generate a new DDR, I increment the folder number and save. You don't need to change the name FileMaker suggests for your DDR export. The summary file contains information for each file that is part of your solution.



In the Frugal Foodie example I use, you should end up with 2 files; one named "Summary.xml" and the other named; "Frugal Foodies_fp7.xml".

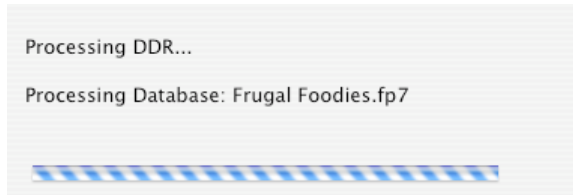


Once have a DDR, you are ready to put Inspector to work importing. In the main overview window there is an import button on the far right labeled "DDR" with a downward pointing arrow.

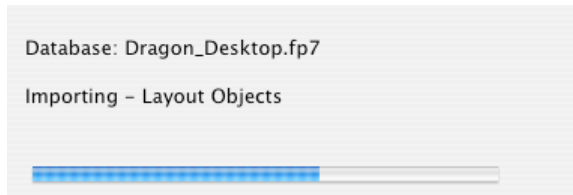
Click the "DDR" button or choose Import DDR from the file menu. Each Analysis is auto labeled for you with unique ID numbers. So, if you don't want to enter a name for each analysis, don't worry, Inspector does it for you.

Once you have entered a name for your analysis, point Inspector to your Summary file. It will begin processing the DDR. We make extensive use of a dialog plug-in for the the import progress

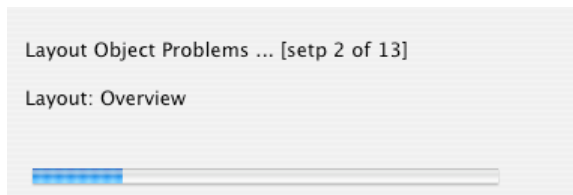
dialog. Below are some examples of what you'll see during the import process.



The first dialog you might see is this barber pole dialog. This happens when Inspector is waiting to complete the DDR processing.



Once Inspector finishes processing the DDR it begins importing the different catalogs. Various progress dialogs keep you informed. The example on the left is importing data for Layout Objects.



If you choose the option to have Inspector check for problems, it will do so when the main parts of the DDR import are complete. The same goes for references and dependencies.

The Inspector window is the focal point for an analysis and appears once the DDR has completed importing.

It presents summary information for your solution and all the analyzed databases. With multiple databases you will see them on the left side. Click on each database to see detailed information.

Switch the context to another database by selecting it from the drop-down menu labeled "Database Selector" at the top.

Use the Area selector to see other parts of your solution such as, Fields, Layouts, Scripts, Value Lists, etc.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Inspector application interface. At the top, there is a title bar with 'Inspector' and a subtitle 'Solution: Account Manager Analysis: Analysis ID : ANA-00075 @ 1/4/2006 10:21:13 AM'. Below the title bar, there is a 'Database selector' field containing 'Account Manager.fp7' and an 'Area Selector' field containing 'Databases'. The main content area is divided into three columns: 'Databases', 'Overview', and 'Database Options'. The 'Databases' column contains a table with columns 'name', 'elements', and 'problems'. The 'Overview' column contains a table with columns 'catalogs', 'elements', and 'problems'. The 'Database Options' column contains a list of options with checkboxes and icons. At the bottom, there are two text areas: 'Database Solution Note' and 'Database Analysis Note'. The 'Selected Database Totals' and 'Problem Report' are also indicated by labels.

Databases			Overview			Database Options		
name	elements	problems	catalogs	elements	problems			
AM Data.fp7	885		Basetables:	1		On Open Account:		
AM Extra.fp7	353		Fields:	4		On Open Layout:		
AM Registration.fp7	1,427		Table Occurrences:	65		On Open Script:		
Account Manager.fp7	7,843	22	Relationships:	64		On Close Script:		
			Layouts:	37		Default menu set		
			Layout Objects:	1,161	1	[Standard FileMaker Menus]		
			Scripts:	208				
			Script Steps:	2,780	20			
			Value Lists:	3				
			Accounts:	5				
			Privileges:	7				
			File References:	4	1			
			Privilege Basetables:	28				
			Privilege Fields:	0				
			Extended Privileges:	6				
			Custom Functions:	1				
			Dependencies:	3,437				
			Custom Menu Sets:	2				
			Custom Menus:	30				
Totals:			Potential problems detected					
	elements	problems		elements	problems			
Totals for Analysis	10,508	22	Totals for current database:	7,843	22			
Un-Referenced	318		Un-Referenced	123				
Database Solution Note			Note: References and Dependencies were checked during this analysis					
Database Analysis Note								

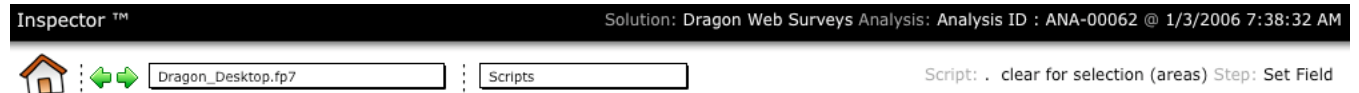
The yellow arrows link to the object. The document icons next to the problem count open reports in that specific area. This is especially helpful if you want to work with a team of developers and have each one focus on a particular area.

For example, you could print out the layout object problems plus the Script Step problems and hand them to different developers working together on a hosted solution.

Separating tasks allows a team to be more efficient when solving problems.

Navigation

Inspector uses browser-like navigation. When you click an object, like a script or layout, and follow a link to a field, Inspector tracks that activity and keeps a history. To go back to a previously viewed item, click on the left or right pointing arrows and navigate to the correct layout. You'll find those arrows at the top left part of the Inspector window.





Clicking the yellow arrow takes you to the related object and is another way to navigate.

The selected script below, "b create foodie", has script dependencies. Clicking the yellow link arrow for a field will navigate to that field. If the field comes from another database it will automatically switch the context. Clicking the left-pointing arrow takes you back to the previous script.


Script Dependencies	Script References	DB [open]	DB [close]	Security
FieldRef	id_foodie	FOODIE		Frugal Foodies.fp7
NoRef	" " & "FOODIE" & " "			Frugal Foodies.fp7
LayoutRef	AX FOODIE			Frugal Foodies.fp7
ScriptRef	. clear for selection (areas)			Frugal Foodies.fp7
FieldRef	gt_foodie	SESSION		Frugal Foodies.fp7
FieldRef	date	FOODIE		Frugal Foodies.fp7

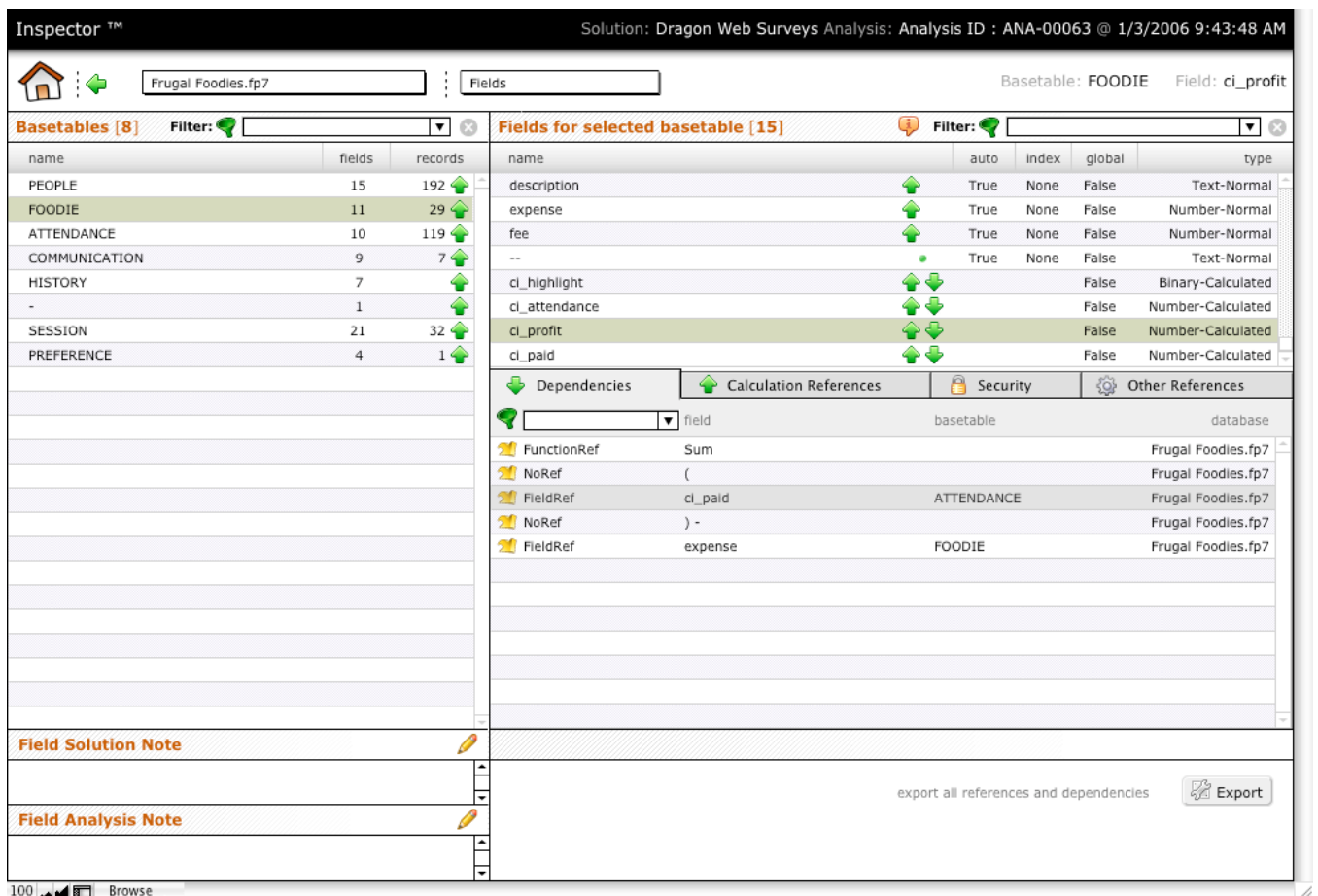
Tip: There is an option in the main overview window to retain the navigation history for a particular analysis. Selecting the radio button "return to last viewed item" will return you to the last viewed item. This is analysis-specific rather than solution-specific.



When in the Overview window, to navigate to the Inspector window (if it is already open), click on the  screen icon. To get back to the Overview window from the Inspector window, click on the home icon. 



Sometimes there is too much information to present in a single window. When you see this icon  you can click on it to get additional information about the selected object.



Example: To view additional information pertaining to a field, click on the info icon and you'll see this window. Anytime you see the info icon, click on it for additional information.

Field | ci_profit

Internal ID: FIE-00518 Solution: Dragon Web Surveys Analysis: Analysis ID : ANA-00063 @ 1/3/2006 9:43:48 AM

Database: Frugal Foodies.fp7 BaseTable: FOODIE Field: ci_profit Data Type: Number
DDR ID: 9


Auto-enter	Validation	Calculation	Lookup	Summary	Storage
------------	------------	-------------	--------	---------	---------


data type: Number field comment:
field type: Calculated

calculation context: ER FOODIE

calculation:

Sum (ER ATTENDANCE::ci_pald) - expense

 Copy

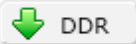
100%  Browse

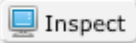
Detecting Problems

Sometimes we introduce problems without knowing it. FileMaker does a great job, in most instances, of warning you that an item might have some references to it. But sometimes you end up deleting something incorrectly and introducing bugs. If you use Inspector from the beginning of your solution development, you'll keep your project free of problems by spotting them as they appear.

Detecting problems is very easy. By default the option is on. It is found on the main overview window.

DDR Processing: 0:00:14 Problem checking: 0:04:42 References and Dependencies checking: Skipped


On importing DDR: check problems check references and dependencies 

On inspecting analysis: clear navigation return to last viewed item 

Note: Checking references and dependencies may take a significant amount of time on large systems.

Layout Object Problems ... [setp 2 of 13]


Layout: Overview



When checked and all the data has been imported, Inspector switches gears and begins checking for problems. You'll see a progress dialog of its status.

If you don't need to check for problems, turn this option off and just have Inspector import the metadata. This takes less time and you can still see problems. No problem report will be generated and no red dots will appear next to problems.

Note: References and Dependencies were NOT checked during this analysis.

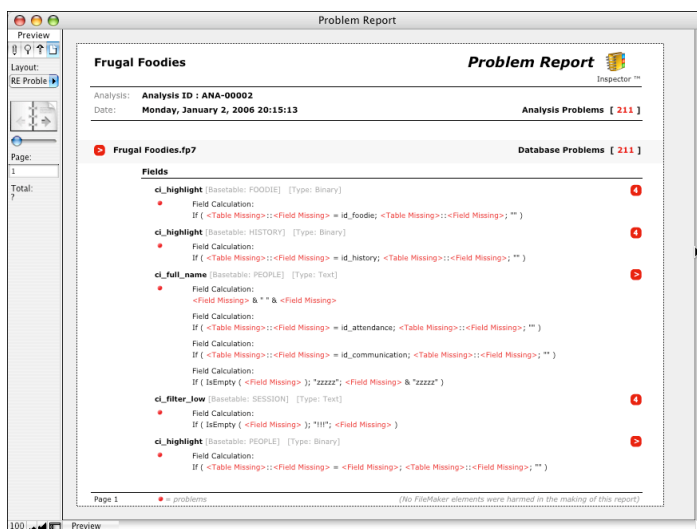
Sort elements for reports default by element **Reports:** 

default is the order they are in your solution View Results: report hotlink

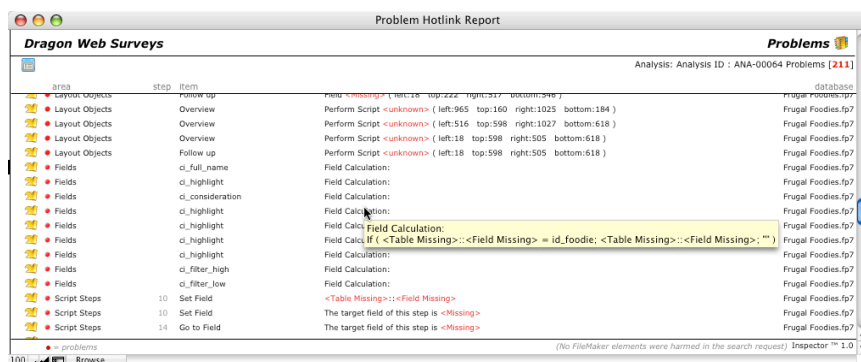
Analysis Overview	
Database Overview	
<hr/>	
BaseTables	
Fields	
Fields (Detail)	
Fields (Auto-Enter Serial)	
Table Occurrences	
Table Occurrences (by basetable)	
Layouts	
Layouts (with object counts)	
Layouts (by table occurrence)	
Layouts (by table occurrence - objects)	
Layout Objects	
Relationships	
ValueLists	
Scripts	
Scripts (Detail)	
Accounts	
Privilege Sets	
<hr/>	
Privilege Fields	
<hr/>	
Basetable Privileges (Records)	
Basetable Privileges (Layouts)	
Basetable Privileges (Value Lists)	
Basetable Privileges (Scripts)	
<hr/>	
Security - Privilege Fields	
<hr/>	
Security - Basetable Privileges (Records)	
Security - Basetable Privileges (Layouts)	
Security - Basetable Privileges (Value Lists)	
Security - Basetable Privileges (Scripts)	
<hr/>	
Extended Privileges	
File References	
Custom Functions	
Custom Menu Sets	
Custom Menu Lists	
Custom Menus	
Custom Menu Items	
<hr/>	
Problems	
<hr/>	
Un-Referenced Items	

Once Inspector finishes importing and analyzing, a problem report can be generated. The reports option is in the overview window at the bottom.

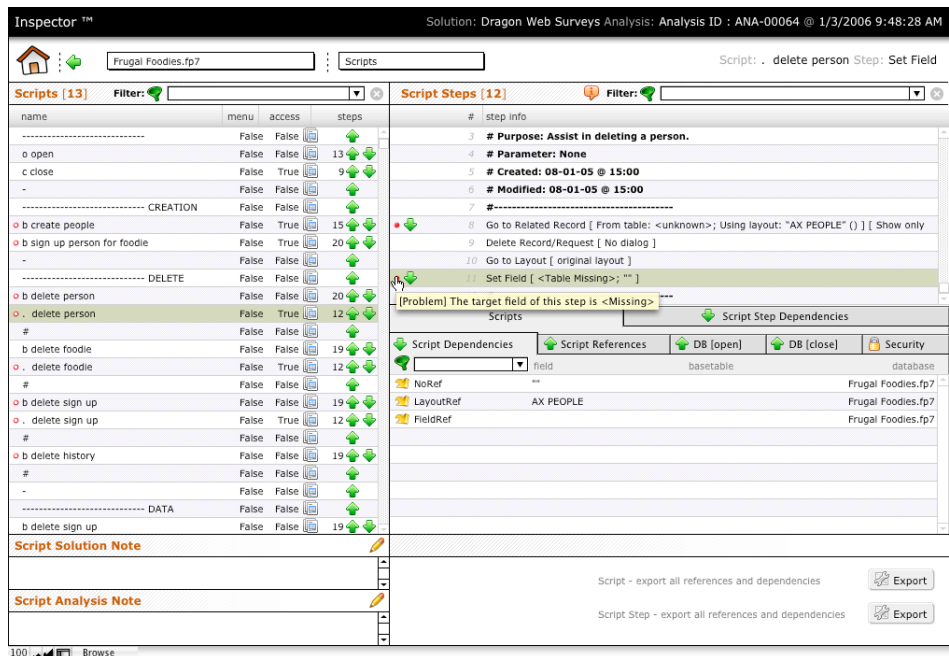
Select "Problems" from the popup menu for problem-report viewing options.



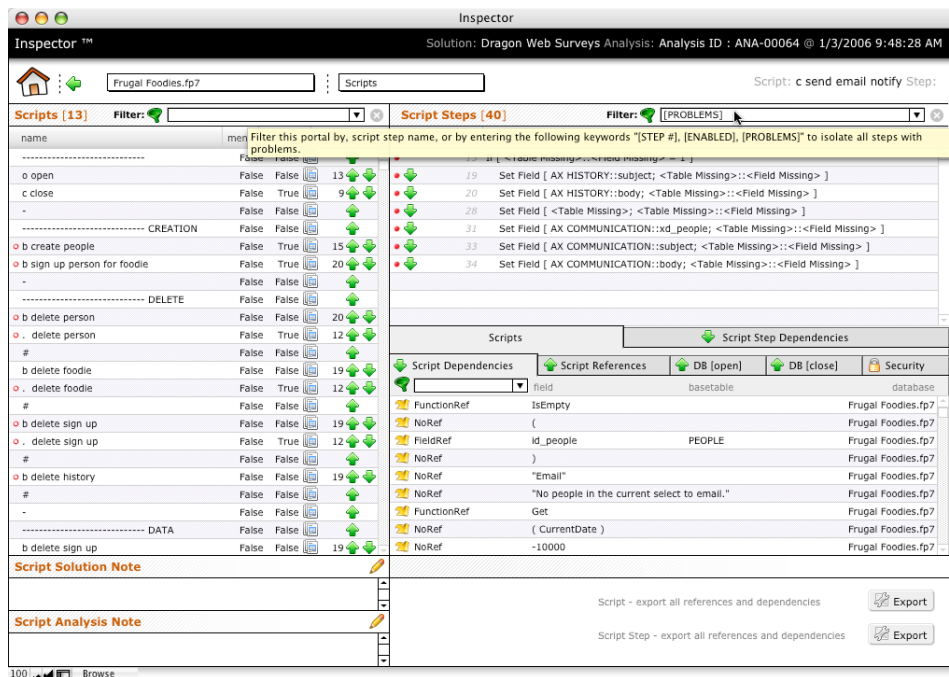
Enabling links to problems will display the following window. The yellow arrows link you directly to the item for further investigation.



There are some additional hidden gems when working with problems. Red dots in the Inspector window have associated tool tips. Hovering over the tool tip will also show you the actual problem in more detail. Below is an example of hovering over a script step to discover what the problem is.



If you like the red dots, you'll really like the keyword feature. Type a keyword in any filter (hint as to what keywords you can use are shown in the tool tip) to narrow the results. Enter "[PROBLEMS]" to filter the portal and isolate problems in that area.

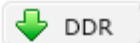



Note: Unless, like the Unix teacher I had when living in Phoenix, you can write a complex, error-free command line instruction on your first try, getting things right on your first attempt is highly unlikely. Rely on Inspector to help you find where you have slipped up.

References and Dependencies

References and dependencies are the glue that holds your system together. By default, Inspector knows which items are referenced and which items are depended upon. So why even have the checkbox?

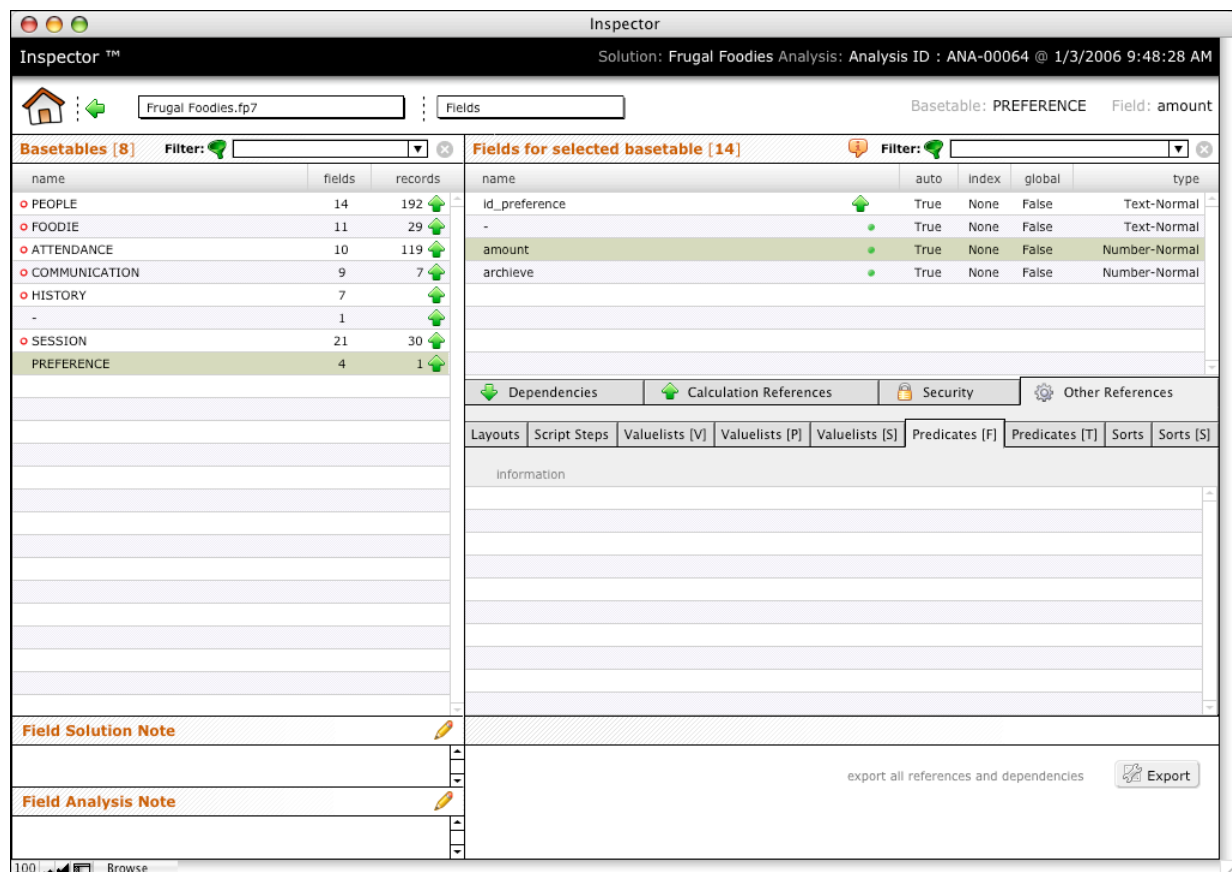
DDR Processing: 0:00:15 Problem checking: 0:03:42 References and Dependencies checking: 0:00:27

On importing DDR: check problems check references and dependencies 

On inspecting analysis: clear navigation return to last viewed item 

Note: Checking references and dependencies may take a significant amount of time on large systems.

With the checkbox turned off, Inspector fails to do two things. Firstly, items without references or dependencies are not gathered. However, you can print a report once the analysis has been completed. Secondly, it gives you visual clues by presenting up-arrows for items referencing the selected item. Downward-pointing arrows show items with dependencies. A green dot shows you that neither a reference nor a dependency exists. This example shows fields with neither references nor dependencies.



Inspector
Solution: Frugal Foodies Analysis: Analysis ID : ANA-00064 @ 1/3/2006 9:48:28 AM


Frugal Foodies.fp7 Fields Basetable: PREFERENCE Field: amount


name	fields	records	name	auto	index	global	type
PEOPLE	14	192	id_preference	↑	True	None	Text-Normal
FOODIE	11	29	-	•	True	None	Text-Normal
ATTENDANCE	10	119	amount	•	True	None	Number-Normal
COMMUNICATION	9	7	archieve	•	True	None	Number-Normal
HISTORY	7						
-	1						
SESSION	21	30					
PREFERENCE	4	1					


Dependencies Calculation References Security Other References

Layouts Script Steps Valuelists [V] Valuelists [P] Valuelists [S] Predicates [F] Predicates [T] Sorts Sorts [S]

Information

Field Solution Note 

Field Analysis Note 

export all references and dependencies 

The fields in the example above with green dots have neither references nor dependencies, and thus could be deleted.

Reporting

- Analysis Overview
- Database Overview
- BaseTables
- Fields
- Fields (Detail)
- Fields (Auto-Enter Serial)
- Table Occurrences
- Table Occurrences (by basetable)
- Layouts
- Layouts (with object counts)
- Layouts (by table occurrence)
- Layouts (by table occurrence - objects)
- Layout Objects
- Relationships
- ValueLists
- Scripts
- Scripts (Detail)
- Accounts
- Privilege Sets
- Privilege Fields
- Basetable Privileges (Records)
- Basetable Privileges (Layouts)
- Basetable Privileges (Value Lists)
- Basetable Privileges (Scripts)
- Security - Privilege Fields
- Security - Basetable Privileges (Records)
- Security - Basetable Privileges (Layouts)
- Security - Basetable Privileges (Value Lists)
- Security - Basetable Privileges (Scripts)
- Extended Privileges
- File References
- Custom Functions
- Custom Menu Sets
- Custom Menu Lists
- Custom Menus
- Custom Menu Items
- Problems
- Un-Referenced Items

Inspector can generate many reports.

Some provide summary information while others are for much more detailed views of information.

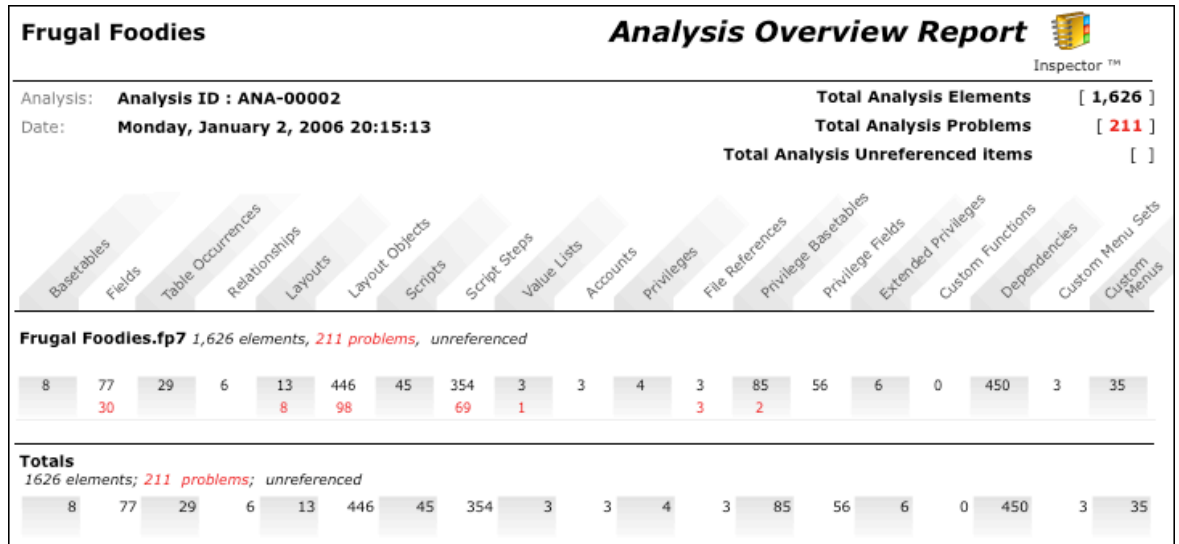
On the left is the list of all the reports. You can generate additional reports for Scripts and from the Security perspective views.

To give you a sense of each report we'll simply include the first page of each report.


The reports list is grouped by type. General reports at the top are followed by element reports. Problems and un-referenced item reports are at the bottom.

The last two reports are only available when selecting the Find Problems and Check for References and Dependencies options.

Analysis Overview Report



Database Overview Report
















Frugal Foodies **Database Overview Report**  Inspector™

Analysis: **Analysis ID : ANA-00002** **Analysis Problems** [211]
 Date: **Monday, January 2, 2006 20:15:13**

	catalogs	elements	problems
Frugal Foodies.fp7	Basetables:	8	
	• Fields:	77	30
	Table Occurrences:	29	
	Relationships:	6	
	• Layouts:	13	8
	• Layout Objects:	446	98
	Scripts:	45	
	• Script Steps:	354	69
	• Value Lists:	3	1
	Accounts:	3	
	Privileges:	4	
	• File References:	3	3
	• Privilege Basetables:	85	2
	Privilege Fields:	56	
	Extended Privileges:	6	
	Custom Functions:	0	
	Dependencies:	450	
Custom Menu Sets:	3		
Custom Menus:	35		
• Potential problems detected		elements	problems
Totals for current database:		1,626	211






















Red dots indicate problem areas.

BaseTables Report

Frugal Foodies		BaseTables Report 		
Analysis: Analysis ID : ANA-00064		Inspector™		
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]		
File Name	Basetable Name	Referenced	Fields	Records
Frugal Foodies.fp7				
	  PEOPLE	3	14	192
	  FOODIE	3	11	29
	  ATTENDANCE	5	10	119
	  COMMUNICATION	4	9	7
	  HISTORY	3	7	
	 -	8	1	
	  SESSION	1	21	30
	 PREFERENCE	2	4	1
Total basetables (8)		29	77	378

Red circles with white centers indicate a basetable with field problems

Field Summary Report

Frugal Foodies		Fields Report 					
Analysis: Analysis ID : ANA-00064		Inspector™					
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]					
Field	Type	Index	Auto	Language	Reps	Calc Result	Global
Frugal Foodies.fp7							
-							1 Field(s)
blank		Text-Normal	None	True	English		False
ATTENDANCE							
id_attendance		Text-Normal	Minimal	True	English		False
xd_people		Text-Normal	Minimal	True	English		False
xd_foodie		Text-Normal	Minimal	True	English		False
-		Text-Normal	None	True	English		False
attended		Number-Normal	None	True			False
paid		Number-Normal	None	True			False
fee		Number-Normal	None	True			False
--		Text-Normal	None	True	English		False
 ci_highlight		Binary-Calculated				False	False
ci_paid	 	Number-Calculated	None	True		True	False
COMMUNICATION							
id_communication		Text-Normal	None	True	English		False
xd_people		Text-Normal	Minimal	True	English		False
-		Text-Normal	None	True	English		False
sent		TimeStamp-Normal	None	True			False
type		Text-Normal	None	True	English		False
subject		Text-Normal	None	True	English		False
body		Text-Normal	None	True	English		False

Problem dots also appear on reports.

Field Detail Report

Frugal Foodies		Fields Report	
Analysis: Analysis ID : ANA-00064		Inspector™	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
FM ID	1	Type:	Index - Auto: Language: Reps: Calc Result: Global:
id_people		Text-Normal	Minimal True English False
Auto Enter:		Next Serial:	PEO-00208
		Increment:	1
		Allow Editing:	True
		Generate Serial:	OnCreation
context:		Lookup ID:	
		Lookup name:	
		Lookup table:	
		No match copy option:	
		Copy constant value:	
		Copy empty content:	
Validation:	OnlyDuringDataEntry	Allow override:	
Valuelist:		Always evaluate:	False
Range from:	To:	Strict data type:	
Strict:	False	Not empty:	False
Max length:		Unique:	False
Message:		Existing:	False
context:			
Calculation:	context:		
Summary:		Summary repetition:	
Field:		Additional Field:	
basetable:		Additional Table:	
Comment			

Table Occurrences Report

Frugal Foodies		Table Occurrences Report	
Analysis: Analysis ID : ANA-00064		Inspector™	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database:	Frugal Foodies.fp7	29	
FM ID	TABLE OCCURRENCE NAME	COLOR	
13631512	FL PEOPLE	#663333	
13631492	ER ATTENDANCE	#777777	
13631525	FO HISTORY	#007700	
13631520	FO COMMUNICATION	#007700	
13631524	AX HISTORY	#FF3333	
13631519	AX COMMUNICATION	#FF3333	
13631523	ER HISTORY	#777777	
13631491	ER -----	#777777	
13631497	ER PREFERENCE	#777777	
13631522	FL PEOPLE COMMUNICATE	#663333	
13631521	SL PERSON COMMUNICATION	#FF9933	
13631516	CH ATTENDANCE	#0000CC	
13631518	ER COMMUNICATION	#777777	
13631508	SL PERSON ATTENDANCE	#FF9933	
13631507	FO PREFERENCE	#007700	
13631503	AX ATTENDANCE	#FF3333	
13631510	CH -----	#0000CC	
13631515	LO FOODIE	#FFCC00	
13631514	LO PEOPLE	#FFCC00	
13631513	LO -----	#FFCC00	

Table Occurrences (by Basetables) Report

Frugal Foodies		Table Occurrences Report	
Analysis: Analysis ID : ANA-00064		Inspector™	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database: Frugal Foodies.fp7		29	
FM ID	TABLE OCCURRENCE NAME	COLOR	
Basetable Name: - 8			
13631491	ER -----	#777777	
13631510	CH -----	#0000CC	
13631513	LO -----	#FFCC00	
13631511	FL -----	#663333	
13631500	FO -----	#007700	
13631501	SL -----	#FF9933	
13631499	AX -----	#FF3333	
13631498	SE -----	#BBBBBB	
Basetable Name: ATTENDANCE 5			
13631492	ER ATTENDANCE	#777777	
13631516	CH ATTENDANCE	#0000CC	
13631508	SL PERSON ATTENDANCE	#FF9933	
13631503	AX ATTENDANCE	#FF3333	
13631506	FO ATTENDANCE	#007700	

Green circles indicate Table Occurrences without references.

Layouts Report

Frugal Foodies		Layouts Report			
Analysis: Analysis ID : ANA-00064		Inspector™			
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]			
Database: Frugal Foodies.fp7					
FM ID	Layout Name	# Objects	Field Frames	Save Record	Table Occurrence
3	AX ATTENDANCE	11	True	True	AX ATTENDANCE
11	AX COMMUNICATION	7	True	True	AX COMMUNICATION
13	AX HISTORY	10	True	True	AX HISTORY
6	-	2	True	True	ER -----
4	SE SESSION	11	True	True	
7	-	2	True	True	ER -----
8	Overview	146	True	True	
10	Communicate	89	True	True	
12	Follow up	93	True	True	
14	History	47	True	True	

Red circles with white centers indicate a layout with problem objects.

Layouts (by Table Occurrence) Report

Frugal Foodies		Layouts by Table Occurrences Report		
		Inspector™		
Analysis: Analysis ID : ANA-00064		Analysis Problems [211]		
Date: Tuesday, January 3, 2006 09:48:28				
Database: Frugal Foodies.fp7				
FM ID	Table Occurrence			
		Field Frames	Save Record	# Objects
4	SE SESSION	True	True	11
8	Overview	True	True	146
10	Communicate	True	True	89
12	Follow up	True	True	93
14	History	True	True	47
	AX ATTENDANCE	Field Frames	Save Record	# Objects
3	AX ATTENDANCE	True	True	11
	AX COMMUNICATION	Field Frames	Save Record	# Objects
11	AX COMMUNICATION	True	True	7

Layouts Objects Report

Frugal Foodies		Layouts Objects Report		
		Inspector™		
Analysis: Analysis ID : ANA-00003		Analysis Problems [211]		
Date: Monday, January 2, 2006 20:48:46				
Database: Frugal Foodies.fp7				
LAYOUT NAME (OBJECT TYPE)				OBJECTS
SE SESSION				11
Field	(Table)	Left	Top	Right
id_session	SE SESSION	156	42	409
gt_people	SE SESSION	156	78	409
gt_attendance	SE SESSION	156	96	409
gt_foodie	SE SESSION	156	114	409
gt_preference	SE SESSION	156	132	409
Line	(Table)	Left	Top	Right
		90	67	409
Text	(Table)	Left	Top	Right
id_session		93	43	145
gt_people		97	79	145
gt_attendance		79	97	145
gt_foodie		100	115	145
gt_preference		80	133	145

Relationships Report

Frugal Foodies		Relationships Report	
Analysis: Analysis ID : ANA-00002		Inspector™	
Date: Monday, January 2, 2006 20:15:13		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
FM ID	FROM (Table Occurrence)	TO (Table Occurrence)	
2	ER ATTENDANCE Create: False Delete: True xd_foodie	ER FOODIE False Create False Delete id_foodie	Equal
3	ER ----- Create: False Delete: False blank	ER ATTENDANCE False Create False Delete xd_people	Equal
6	ER SESSION Create: False Delete: False id_session	ER ----- False Create False Delete blank	Equal
7	ER PREFERENCE Create: False Delete: False id_preference	ER ----- False Create False Delete blank	Equal

Value List Report

Frugal Foodies		Valuelists Report	
Analysis: Analysis ID : ANA-00002		Inspector™	
Date: Monday, January 2, 2006 20:15:13		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
FM ID	VALUelist NAME		SOURCE
3	Type Potential Possible Vet - All	Primary field: Primary field table: Primary field sort: Secondary field: Secondary field table: Secondary field sort: Show related value: Show table: filereference: Valuelist name:	Custom email FL PEOPLE True

Scripts Report

Frugal Foodies		Scripts Report		Inspector™
Analysis: Analysis ID : ANA-00064				
Date: Tuesday, January 3, 2006 09:48:28				Analysis Problems [211]
Frugal Foodies.fp7				
10	----- INITIALIZATION	False	False	0
11	o open	False	False	13
12	c close	False	True	9
13	-	False	False	0
6	----- CREATION	False	False	0
7	b create people	False	True	15
14	o b sign up person for foodie	False	True	20
8	-	False	False	0
15	----- DELETE	False	False	0
17	b delete person	False	False	20
18	. delete person	False	True	12
19	#	False	False	0
20	b delete foodie	False	False	19
21	. delete foodie	False	True	12
22	#	False	False	0
23	b delete sign up	False	False	19
24	. delete sign up	False	True	12
25	#	False	False	0
47	b delete history	False	False	19
49	#	False	False	0
16	-	False	False	0
28	----- DATA	False	False	0
30	b delete sign up	False	False	19
29	-	False	False	0
34	b toggle the contact flag notify	False	False	10
39	b toggle the contact flag follow up	False	False	10

Red circles with white centers indicate a script step with problems.

Script Steps Report

Frugal Foodies		Script Steps Report		Inspector™
Analysis: Analysis ID : ANA-00064				
Date: Tuesday, January 3, 2006 09:48:28				Analysis Problems [211]
Database: Frugal Foodies.fp7				
FM ID	SCRIPT NAME	IN MENU	RUN	STEPS
1	. clear people filter	False	False	11
1	Set Error Capture [On]			
2	#-----			
3	# Purpose: To clear the filter field.			
4	# Parameter: None			
5	# Created: 08-01-05 @ 15:00			
6	# Modified: 08-01-05 @ 15:00			
7	#-----			
8	Clear [<Table Missing>] [Select]			
9	Commit Records/Requests [Skip data entry validation; No dialog]			
10	#-----			
11	Go to Field [<Table Missing>]			
FM ID	SCRIPT NAME	IN MENU	RUN	STEPS
2	> select person	False	False	12
1	Set Error Capture [On]			
2	#-----			
3	# Purpose: To focus on a person and provide highlight.			
4	# Parameter: None			
5	# Created: 09-01-05 @ 15:00			
6	# Modified: 09-01-05 @ 15:00			
7	#-----			
8	Set Error Capture [On]			
9	#-----			
10	Set Field [<Table Missing>; <Function Missing> (Get (ScriptParameter) ; 1 ; 1)]			
11	Perform Script [". clear for selection (areas)"; Parameter: "¶" & <Function Missing> (Get (ScriptParameter) ; 2 ; "ALL")]			
Page 1 (No FileMaker elements were harmed in the making of this report) ● = problems ● = unreferenced Inspector™ 1.0				




Red dots indicate problems. The yellow link arrow indicates a script. The green, down arrows indicate a step with dependencies.

Accounts Report

Frugal Foodies		Accounts Report 				
Analysis: Analysis ID : ANA-00064		Inspector™				
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]				
Database: Frugal Foodies.fp7						
FM ID	Account Name	Privilege set	Empty pwd	Change pwd on next login	Status	Managed by
1	 [Guest]	[Read-Only Access]	False	False	Inactive	FileMaker
2	 Admin	[Full Access]	True	False	Active	FileMaker
3	 user	user	False	False	Active	FileMaker








The green, down arrow indicates an account with dependencies.

Privilege Sets Report

Frugal Foodies		Privilege Sets Report 		
Analysis: Analysis ID : ANA-00064		Inspector™		
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]		
Database: Frugal Foodies.fp7				
FM ID	PRIVILEGE NAME	IN MENU		
1	 [Full Access]	All		
	Records:	CreateEditDelete	Printing:	True
	Layouts:	Modifiable	Exporting:	True
	Layouts allow creation:	True	Idle disconnect:	False
	Valuelists:	Modifiable	Allow modify password:	True
	Valuelists allow creation:	True	Manage Extended:	True
	Scripts:	Modifiable	Override validation:	True
	Scripts allow creation:	True		
	Comment:	access to everything		
4	 user	All		
	Records:	Custom	Printing:	False
	Layouts:	Custom	Exporting:	False
	Layouts allow creation:	False	Idle disconnect:	True
	Valuelists:	Custom	Allow modify password:	False
	Valuelists allow creation:	False	Manage Extended:	False
	Scripts:	Custom	Override validation:	False
	Scripts allow creation:	False		
	Comment:			








With the green arrows, up indicates references and down indicates dependencies.

Extended Privileges Report

Frugal Foodies		Extended Privileges Report 	
Analysis: Analysis ID : ANA-00064		Inspector™	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
FM ID	EXTENDED PRIVILEGE NAME		
1	 fmiwp	Access via Instant Web Publishing	
2	 fmjdbc	Access via ODBC/JDBC	
3	 fmapp	Access via FileMaker Network	
4	 fmmobile	Access via FileMaker Mobile	
5	 fmxml	Access via XML Web Publishing - FMSA only	
6	 fmxmlt	Access via XSLT Web Publishing - FMSA only	




The green, up arrow indicates references, and the green dots indicate no references.

File References Report

Frugal Foodies		Extended Privileges Report 	
Analysis: Analysis ID : ANA-00064		Inspector™	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
FM ID	FILE REFERENCE NAME		
1	  AM Extra	file:AM Extra.fp7	
2	  AM Data	file:AM Data.fp7	
3	  AM Register	file:AM Registration.fp7	

Green dots indicate no references. Red dots indicate problems.

Custom Functions Report

Account Manager		Custom Functions Report 	
Analysis: Analysis ID : ANA-00066		Inspector TM	
Date: Tuesday, January 3, 2006 13:07:14		Analysis Problems [22]	
Database: Account Manager.fp7			
FM ID	CUUSTOM FUNCTION NAME	PARAMETERS	VISIBLE
1	  SelectParameter	ParameterList; StartingFrom; NumberOfParameters Let ([ParameterList = ParameterList; StartingFrom = StartingFrom; NumberOfParameters = If (NumberOfParameters = "All"; If (Right (ParameterList; 1) = "¶"; PatternCount (ParameterList ; "¶"); (PatternCount (ParameterList ; "¶") + 1) ; NumberOfParameters)]; Left (MiddleValues (ParameterList ; StartingFrom ; NumberOfParameters) ; Length (MiddleValues (ParameterList ; StartingFrom ; NumberOfParameters) - 1))	True


Up arrow indicates references. Down arrow indicates dependencies.

Custom Menu Sets Report


Frugal Foodies		Custom Menu Sets Report 	
Analysis: Analysis ID : ANA-00064		Inspector TM	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
FM ID	CUUSTOM MENU SET NAME	NUMBER OF MENU LISTS	
1	 [Standard FileMaker Menus]		
2	 Custom Menu Set 1	11	
3	 Frugal Foodies	4	

Up arrow indicates references. Green dots indicate no references.

Custom Menu Lists Report



Frugal Foodies		Custom Menu Lists Report 	
Analysis: Analysis ID : ANA-00064		Inspector TM	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
FM ID	CUSTOM MENU SET NAME	CUSTOM MENUS	NUMBER OF MENUS
Custom Menu Set 1 [11]			
1		FileMaker Pro Copy	3
2		File Copy	21
3		Edit Copy	19
4		View Copy	19
5		Insert Copy	12
6		[Format]	
7		Requests Copy	13
8		Records Copy	22
9		[Scripts]	
10		[Window]	
11		Help Copy	8

Custom Menus Report

Frugal Foodies		Custom Menus Report 	
Analysis: Analysis ID : ANA-00064		Inspector™	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
FM ID	CUSTOM MENU SET NAME	CUSTOM MENU NAME	NUMBER OF MENU LISTS
Custom Menu Set 1			<<ci_count_lists>>
1		FileMaker Pro Copy	
		Find Mode: True	Mac Platform: True
		Browse Mode: True	Win Platform: False
		Preview Mode: True	Base Menu Name: FileMaker Pro
		Override Name: False	Base Menu Value: 1
		Menu Title:	
		Menu Comment:	
2		File Copy	
		Find Mode: True	Mac Platform: True
		Browse Mode: True	Win Platform: True
		Preview Mode: True	Base Menu Name: File
		Override Name: False	Base Menu Value: 2
		Menu Title:	
		Menu Comment:	
3		Edit Copy	
		Find Mode: True	Mac Platform: True
		Browse Mode: True	Win Platform: True
		Preview Mode: True	Base Menu Name: Edit
		Override Name: False	Base Menu Value: 3
		Menu Title:	
		Menu Comment:	

Up arrows indicate references. Green dots indicate no references.

Custom Menu Items Report

Frugal Foodies		Custom Menu Items Report 	
Analysis: Analysis ID : ANA-00064		Inspector™	
Date: Tuesday, January 3, 2006 09:48:28		Analysis Problems [211]	
Database: Frugal Foodies.fp7			
SET NAME	MENU NAME	MENU ITEM (COMMAND)	COUNT
Custom Menu Set 1			11
	FileMaker Pro Copy		3
		 About FileMaker Pro...	
		Is separator: False	
		Is submenu: False	
		Specify script: True	
		Override action: False	
		Item override: False	
		Action step name: Perform Script	Mac Platform: True
		Action step enabled: True	Win Platform: False
		Action step text: Perform Script ["<unknown>"]	
		Script value: Pause	
		Script calculation:	
		Step name: Perform Script	Shortcut key:
		Enabled: True	Shortcut modifier:
		Calculation:	Override shortcut: False
		Script name: <unknown>	
		File reference:	
		File reference list:	

The down arrow indicates dependencies.

Problem Report

Frugal Foodies Problem Report

Analysis: **Analysis ID : ANA-00064**
Date: **Tuesday, January 3, 2006 09:48:28** Analysis Problems [211]

Frugal Foodies.fp7 Database Problems [211]

Fields

- ci_highlight** [Basetable: FOODIE] [Type: Binary] 4
 - Field Calculation:
If (<Table Missing>::<Field Missing> = id_foodie; <Table Missing>::<Field Missing>; "")
- ci_highlight** [Basetable: HISTORY] [Type: Binary] 4
 - Field Calculation:
If (<Table Missing>::<Field Missing> = id_history; <Table Missing>::<Field Missing>; "")
- ci_full_name** [Basetable: PEOPLE] [Type: Text] >
 - Field Calculation:
<Field Missing> & " " & <Field Missing>
 - Field Calculation:
If (<Table Missing>::<Field Missing> = id_attendance; <Table Missing>::<Field Missing>; "")
 - Field Calculation:
If (<Table Missing>::<Field Missing> = id_communication; <Table Missing>::<Field Missing>; "")
 - Field Calculation:
If (IsEmpty (<Field Missing>); "zzzzz"; <Field Missing> & "zzzzz")
- ci_filter_low** [Basetable: SESSION] [Type: Text] 4
 - Field Calculation:
If (IsEmpty (<Field Missing>); "!!!"; <Field Missing>)
- ci_highlight** [Basetable: PEOPLE] [Type: Binary] >
 - Field Calculation:
If (<Table Missing>::<Field Missing> = <Field Missing>; <Table Missing>::<Field Missing>; "")

Page 1 • = problems (No FileMaker elements were harmed in the making of this report)

Un-Referenced Items Report

Frugal Foodies Un-Referenced Items Report

Analysis: **Analysis ID : ANA-00064**
Date: **Tuesday, January 3, 2006 09:48:28** Analysis Un-Referenced items [22]

Frugal Foodies.fp7 Database Un-Referenced Items [22]

Custom Menu Sets

- Frugal Foodies [DDR Custom Menu Set ID: 3]

Extended Privileges

- fmxml [DDR Extended Privilege ID: 5]
- fmxlsit [DDR Extended Privilege ID: 6]

Fields

PREFERENCE

- [DDR Field ID: 2]
- amount [DDR Field ID: 3]
- archive [DDR Field ID: 4]

SESSION

- [DDR Field ID: 2]
- gt_people [DDR Field ID: 3]
- gt_attendance [DDR Field ID: 4]
- gt_type_filter [DDR Field ID: 14]

File References

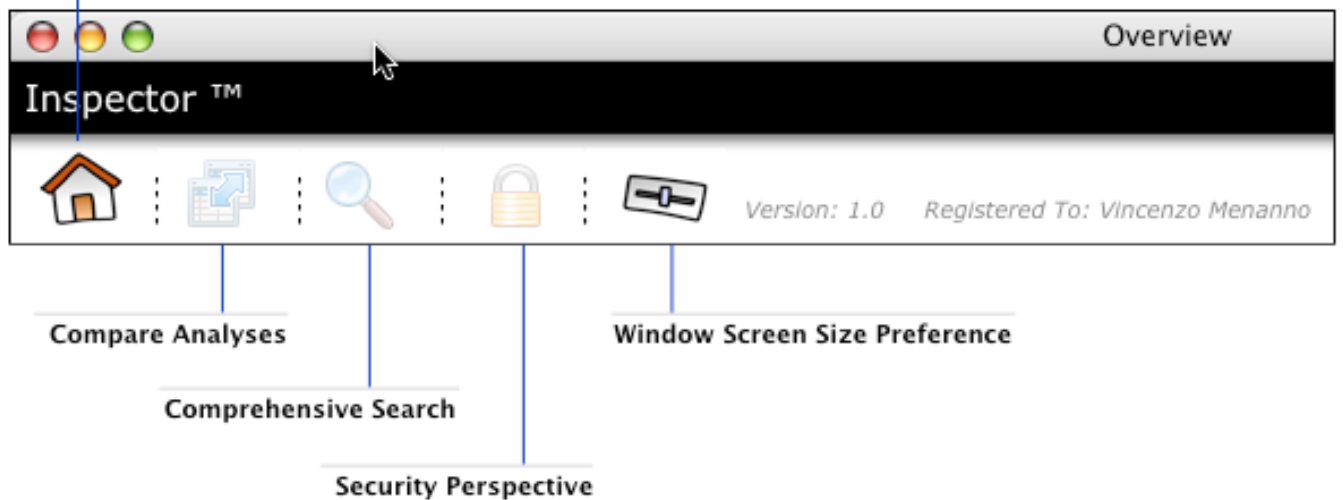
- AM Register [DDR File Reference ID: 3]

The 4 Main Parts of Inspector

Inspector is broken down into four main parts.

1. Inspector Overview
2. Compare Analyses (run comparisons between one analysis and another)
3. Comprehensive Search
4. Security Perspective

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)



The Inspector Overview view is where you'll spend most of your time. This is where you create new solutions, import your DDR and generate most of the reports.

The Overview window is also the place where you create an instance of the Inspector window. There can only be one Inspector window open at one time. The Inspector window represents the currently selected Analysis and the information it has gathered.

All navigation is done in the Inspector window. You can also enter notes for any item at the solution level or at the analysis level.

Compare – From version to version

In the comparison area you can select two analyses and compare them. This can be very useful when creating a change log or providing a client with a list of changes made to their systems.

Simply select one Analysis then another; enter a description for your comparison; then click the compare button. Progress bars keep you informed of the status.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Inspector Overview window with the following components and annotations:

- Comprehensive Search:** Points to the search icon in the top toolbar.
- Security Perspective:** Points to the lock icon in the top toolbar.
- Previously run comparisons:** Points to the 'Comparisons' table header.
- Solutions List:** A table on the left listing solutions and their analysis counts.

name	analyses
Inspector (Self-Inspect)	2
Frugal Foodies	3
Reservation System	19
Account Manager	10
Workflow Management	17
Frugal Foodies	3
Sales Manager	7
- Comparison Reporting Options:** A list of checkboxes for various data types to include in reports, such as 'databases', 'accounts', 'baseables', etc.
- Toggle all or none shortcut:** Points to the 'None' and 'All' buttons at the bottom of the reporting options.
- Analysis to compare from:** Points to the first analysis row in the 'Compare this...' table.
- Analysis to compare to:** Points to the second analysis row in the 'Compare this...' table.

Once the comparison is complete, you will see a comprehensive and printable comparison report.

Search – It's Powerful!

The Inspector search is powerful.

Example: With Inspector you can have it search across all your databases in an analysis and have it generate a report or a list from which you can link directly to the object. Or, if you want to find all the calculation fields in your solution, you can do that too.

Here is what a search for all calculation fields might look like.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Compare Versions **Security Perspective** **List of Analyses for a solution** **List of Databases for an Analysis**

Solutions List **Search scope**

Stored searches **Search Criteria**


Search Areas **Search scope**

Yes searches all calculations! **Search Requests** **Display Search Results**

Search Area Options

Initiate a search, enter a description and select an area to search on. You'll see the options. Above we are searching for a "Calculated" Field Type.

A search can include more than one request. We could search for all calculation fields AND fields whose data type is binary (image or container). "AND", "OR" and "AND NOT" are all valid options. All searches are available throughout Inspector. This means you can save and reuse searches in other solutions. This might be appropriate, as in the example above, but usually a search is specific to a particular solution. Once you have completed the search you can easily remove it.

Frugal Foodies **Fields Search Result** 

Search Request: Fields

Field Type is Calculated
AND Field Data Type is Binary

Analysis: **ANA-00072** **Wednesday, January 4, 2006 07:21:03**


Database: **Frugal Foodies.fp7**

ATTENDANCE						
field name	type	index	global	calculation	storage	repetition
cl_highlight	Binary-Calculated		False	False		
COMMUNICATION						
field name	type	index	global	calculation	storage	repetition
cl_highlight	Binary-Calculated		False	False		
FOODIE						
field name	type	index	global	calculation	storage	repetition
cl_highlight	Binary-Calculated		False	False		
HISTORY						
field name	type	index	global	calculation	storage	repetition
cl_highlight	Binary-Calculated		False	False		
PEOPLE						
field name	type	index	global	calculation	storage	repetition
cl_highlight	Binary-Calculated		False	False		
cl_consideration	Binary-Calculated		False	False		

(No FileMaker elements were harmed in the search request) Inspector™ 1.0







Above, Inspector is presenting results as a report.

Search Results (Fields)

Frugal Foodies **Fields Search Result** 

Search Request: Fields

Field Type is Calculated
AND Field Data Type is Binary

basetable name	field name	type	index	database	analysis
 PEOPLE	cl_highlight	Binary-Calculated		Frugal Foodies.fp7	Analysis ID : ANA-00074
 PEOPLE	cl_consideration	Binary-Calculated		Frugal Foodies.fp7	Analysis ID : ANA-00074
 FOODIE	cl_highlight	Binary-Calculated		Frugal Foodies.fp7	Analysis ID : ANA-00074
 ATTENDANCE	cl_highlight	Binary-Calculated		Frugal Foodies.fp7	Analysis ID : ANA-00074
 COMMUNICATION	cl_highlight	Binary-Calculated		Frugal Foodies.fp7	Analysis ID : ANA-00074
 HISTORY	cl_highlight	Binary-Calculated		Frugal Foodies.fp7	Analysis ID : ANA-00074

(No FileMaker elements were harmed in the search request) Inspector™ 1.0

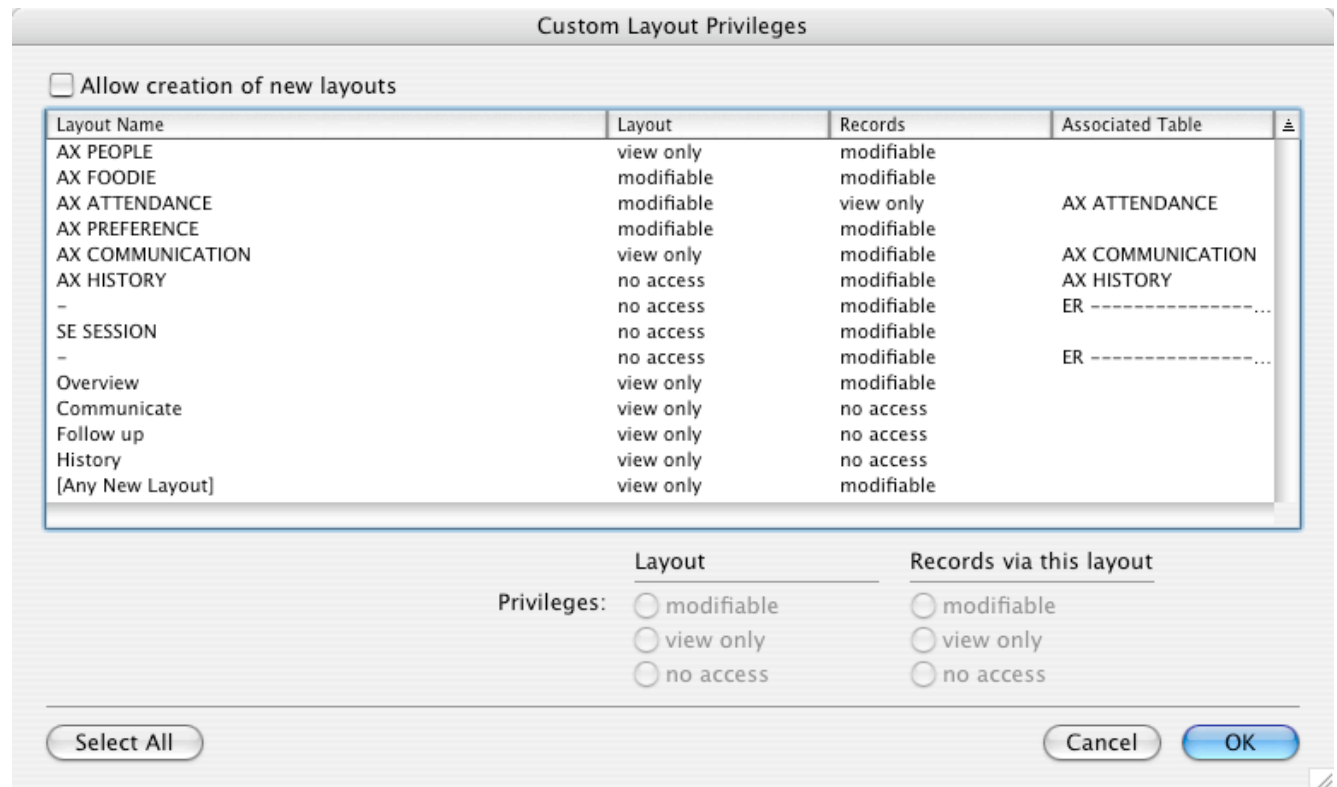
Inspector can also present a linked items list. The red dots indicate items with a problem.

Security Perspective

Security Perspective is a term I use to describe how Inspector presents area-specific information. To better understand this, let's compare FileMaker and Inspector.

Here is the FileMaker Custom Layout Privileges window used for assigning security. You can limit the ability to view, edit and create layouts. You can limit record accessibility to view only, or modifiable via the layout. What you can't see are the actual objects on the layout; like fields and buttons that trigger scripts and the security settings for each of those items.

Note: Because a layout can include fields from different tables that can come from various databases, Inspector keys its information from the point of view of the privilege-set name and not the privilege-set ID



FileMaker presents a list of layouts. Inspector goes a step further. It presents the layout list and shows the objects on the selected layout. Moreover, the security settings for each item are visible. Let's look at an example.

We'll use Frugal Foodies as the example. The "user" privilege set has custom settings for all areas: [Records], [Layouts], [Scripts], and [Value Lists].

Navigate to the 4th area of Inspector by clicking on the padlock icon. Then, select the solution, the analysis, and the privilege set you wish to use. Select a layout and Inspector will automatically update the security to reflect the current privilege set and tell you how any field or script might be affected.

In the example below we have the "Overview" layout selected. On the right we can see the security setting for fields and scripts. Inspector presents a warning symbol for elements set to "NoAccess". This allows quick spotting of relevant fields and scripts for anyone logged in with that privilege set.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Inspector Window

Security Perspective **List of layouts** **Layout Objects Filter**

Solutions

name	analyses
Frugal Foodies	2
Account Manager	1

Analyses

name	dbis
Analysis ID : ANA-00074	1
Analysis ID : ANA-00072	1

Databases

name	privilege sets
Frugal Foodies.fp7	4

Privileges (4)

name	record privileges
[Full Access]	CreateEditDelete
[Data Entry Only]	CreateEditDelete
[Read-Only Access]	ViewOnly
user	Custom

Layouts [13]

name (see report for full details...)	objects
AX PEOPLE	12
AX FOODIE	8
AX ATTENDANCE	11
AX PREFERENCE	4
AX COMMUNICATION	7
AX HISTORY	10
-	2
SE SESSION	11
-	2
Overview	148
Communicate	89
Follow up	94
History	48

Layout Objects [148]

name (see report ...)	field / text / script	security
Field		
Graphic		
Portal		
Portal		
Groupbutton	Perform Script	Modifiable
Field		
Field		
Field		
Portal		
Groupbutton	Perform Script	Modifiable
Field	c_highlight	ViewOnly
Field	c_attended	NoAccess
Field	first_name	ViewOnly
Groupbutton	Perform Script	ExecutableOnly
Text	New	
Text	attended	
Text	first	

References

Security Perspective Layout Report

Security Perspective Layout Objects Report

Security for item

Next we'll take a look at two reports generated from the Security Perspective.

The first report is the list of layouts and their security setting.

Security Layouts Report

Frugal Foodies		Security Layouts Report		Inspector™	
Analysis: Analysis ID : ANA-00074				With Privilege Set: user	
Date: Wednesday, January 4, 2006 09:07:15					
Database: Frugal Foodies.fp7					
FM ID	Layout Name	Security	Access	Records	Table Occurrence
1	AX PEOPLE		ViewOnly	Modifiable	
2	AX FOODIE		Modifiable	Modifiable	
3	AX ATTENDANCE		Modifiable	ViewOnly	AX ATTENDANCE
5	AX PREFERENCE		Modifiable	Modifiable	
11	AX COMMUNICATION		ViewOnly	Modifiable	AX COMMUNICATION
13	AX HISTORY		NoAccess	Modifiable	AX HISTORY
6	-		NoAccess	Modifiable	ER -----
4	SE SESSION		NoAccess	Modifiable	
7	-		NoAccess	Modifiable	ER -----
8	Overview		ViewOnly	Modifiable	
10	Communicate		ViewOnly	NoAccess	
12	Follow up		ViewOnly	NoAccess	
14	History		ViewOnly	NoAccess	
[Any New Layouts]			ViewOnly	Modifiable	[Allow Layout Creation: False]

This is similar to what you would see in FileMaker's Security Custom Layout Privileges dialog.

Security Layouts Objects Report

Solution		Layout Objects sub-summarized		Security		Security Report Icon	
Frugal Foodies		Analysis info		Security		Inspector™	
Analysis: Analysis ID : ANA-00074						With Privilege Set: user	
Date: Wednesday, January 4, 2006 09:07:15							
Database: Frugal Foodies.fp7							
Layout Name	LAYOUT NAME (OBJECT TYPE)		Security	Access	Records	Objects	Layout Object Location
Overview		(Table)		ViewOnly	Modifiable	148	
Field			Security	Left	Top	Right	Bottom
				90	515	91	516
				516	222	1027	242
				612	225	958	239
				528	225	610	239
	ci_highlight	FL PEOPLE	ViewOnly	18	222	505	242
	ci_attended	FL PEOPLE	NoAccess	454	225	485	239
	first_name	FL PEOPLE	ViewOnly	35	225	117	239
				217	130	301	147
	description	FO FOODIE	ViewOnly	610	148	844	177
				966	225	1001	239
				115	130	217	147
				364	102	487	119
				115	148	301	165
				364	130	486	147
	last_name	FL PEOPLE	ViewOnly	118	225	188	239
	email	FL PEOPLE	ViewOnly	201	225	365	239
	phone	FL PEOPLE	NoAccess	364	225	454	239
	date	FO FOODIE	NoAccess	610	130	844	147
				516	598	1027	618
	ci_full_name	LO PEOPLE	NoAccess	538	601	671	615
Page 1 (No FileMaker elements were harmed in the making of this report) • = problems • = unreferenced Inspector™ 1.0							
Warning Icon to notify you of objects with NoAccess							
We also encourage you use pdf instead of paper and save trees ;)							

Inspector shows you fields and scripts from the perspective of a privilege set.

Inspector shines at showing privilege-set user scenarios. Similarly, scripts can be viewed the same way. Each script step can show fields, layouts, scripts and their security settings.

The screenshot shows the Inspector application interface for a solution named 'Frugal Foodies'. The main window is divided into several panes:

- Solutions:** Lists 'Frugal Foodies' with 2 analyses and 'Account Manager' with 1 analysis.
- Analyses:** Lists 'Analysis ID : ANA-00074' and 'Analysis ID : ANA-00072', each with 1 db.
- Databases:** Lists 'Frugal Foodies.fp7' with 4 privilege sets.
- Privileges:** Lists '[Full Access]', '[Data Entry Only]', '[Read-Only Access]', and 'user' with various record privileges.
- Scripts [45]:** A list of script steps including 'gather up a list of emails', 'toggle archive', 'select person', 'select foodie', 'select communication', 'select history', 'clear for selection (areas)', 'clear people filter', 'send email notify', and 'new script'.
- Script Steps [40]:** A detailed view of script steps. Step #16 is 'Go to Layout ["AX"]' with a security warning 'Layout: NoAccess'. Step #18 is 'Set Field [AX]' with a security warning 'Field: NoAccess'.

At the bottom of the Script Steps pane, there are configuration options for script access (Custom), allow script creation (False), and sort elements for reports (default selected). There are also 'View' buttons for security reports.

Here is an example using scripts. The "Go to layout" step #16 has a layout set to "NoAccess". Step #18 is unsuccessfully trying to set a field set to "NoAccess".

Security Scripts Report

Frugal Foodies		Security Scripts Report		Inspector™	
Analysis: Analysis ID : ANA-00074		Date: Wednesday, January 4, 2006 09:07:15		With Privilege Set: user	
Frugal Foodies.fp7					
FM ID	Script name	Security	In menu	Run	Steps
10	----- INITIALIZATION	ExecutableOnly	False	False	0
11	o open	ExecutableOnly	False	False	13
12	c close	NoAccess	False	True	9
13	-	NoAccess	False	False	0
6	----- CREATION	ExecutableOnly	False	False	0
7	b create people	ExecutableOnly	False	True	15
14	b sign up person for foodie	ExecutableOnly	False	True	20
8	-	ExecutableOnly	False	False	0
15	----- DELETE	ExecutableOnly	False	False	0
17	b delete person	Modifiable	False	False	20
18	. delete person	Modifiable	False	True	12
19	#	ExecutableOnly	False	False	0
20	b delete foodie	NoAccess	False	False	19
21	. delete foodie	ExecutableOnly	False	True	12
22	#	ExecutableOnly	False	False	0
23	b delete sign up	ExecutableOnly	False	False	19
24	. delete sign up	ExecutableOnly	False	True	12
25	#	ExecutableOnly	False	False	0
47	b delete history	NoAccess	False	False	19
49	#	NoAccess	False	False	0
16	-	NoAccess	False	False	0
28	----- DATA	NoAccess	False	False	0
30	b delete sign up	NoAccess	False	False	19
29	-	NoAccess	False	False	0
34	b toggle the contact flag notify	NoAccess	False	False	10

Page 1 (No FileMaker elements were harmed in the making of this report) • = problems • = unreferenced Inspector™ 1.0

This is similar to what you would see in FileMaker's Security Custom Script Privileges dialog.

Security Scripts Report

Frugal Foodies		Security Scripts Report		Inspector™	
Analysis: Analysis ID : ANA-00074		Date: Wednesday, January 4, 2006 09:07:15		With Privilege Set: user	
Database: Frugal Foodies.fp7					
FM ID	Script name	Script Security	In menu	Run	Steps Step Security
38	c send email notify	ExecutableOnly	False	False	40
1	Set Error Capture [On]				
2	#-----				
3	# Purpose: To send email to potential, regular or individuals.				
4	# Parameter: None				
5	# Created: 09-01-05 @ 15:00				
6	# Modified: 09-01-05 @ 15:00				
7	#-----				
8	Set Error Capture [On]				
9	#-----				
10	If [IsEmpty (FL PEOPLE COMMUNICATE::id_people)]				
11	Show Custom Dialog [Title: "Email"; Message: "No people in the current select to email.";				
12	Exit Script []				
13	End If				
14	#-----				
15	If [<Table Missing>::<Field Missing> = 1]				
16	Go to Layout ["AX HISTORY" (AX HISTORY)]				Layout: NoAccess ⚠
17	New Record/Request				
18	Set Field [AX HISTORY::date; Get (CurrentDate)]				Field: NoAccess ⚠
19	Set Field [AX HISTORY::subject; <Table Missing>::<Field Missing>]				Field: ViewOnly ⚠
20	Set Field [AX HISTORY::body; <Table Missing>::<Field Missing>]				Field: ViewOnly ⚠

Page 1 (No FileMaker elements were harmed in the making of this report) • = problems • = unreferenced Inspector™ 1.0

Inspector takes it one step further by showing you the security on relevant steps.

Inspectors

In the following section we'll present exploded views for different areas of Inspector.

Database Inspector

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Database Inspector application window. The title bar reads "Inspector" and "Solution: Account Manager Analysis: Analysis ID : ANA-00075 © 1/4/2006 10:21:13 AM". The interface is divided into several panes:

- Database selector:** A dropdown menu showing "Account Manager.fp7" and "Databases".
- Area Selector:** A dropdown menu showing "Databases".
- Solution / Analysis Info:** Text in the top right corner: "Database: Account Manager.fp7".
- Summary of elements and problems:** The "Overview" pane, which lists various database components and their counts.

catalogs	elements	problems
Basenames:	1	
Fields:	4	
Table Occurrences:	65	
Relationships:	64	
Layouts:	37	
Layout Objects:	1,161	1
Scripts:	208	
Script Steps:	2,780	20
Value Lists:	3	
Accounts:	5	
Privileges:	7	
File References:	4	1
Privilege Basetables:	28	
Privilege Fields:	0	
Extended Privileges:	6	
Custom Functions:	1	
Dependencies:	3,437	
Custom Menu Sets:	2	
Custom Menus:	30	
- Analysis Totals:** A vertical label on the left side of the "Totals" section.
- Database Options:** A pane on the right side with various options like "On Open Account:", "On Open Layout:", "On Open Script:", "On Close Script:", and "Default menu set".
- Database Solution Note:** A text area at the bottom left.
- Database Analysis Note:** A text area at the bottom left, below the solution note.
- Selected Database Totals:** A section in the "Overview" pane showing "Totals for current database: 7,843 elements, 22 problems".
- Problem Report:** A section in the "Overview" pane showing "Un-Referenced: 123" and a note: "Note: References and Dependencies were checked during this analysis".

Basetable Inspector

The basetables area shows the basetables and their occurrences on the graph.

Filter the basetable portal by name or enter [FIELD PROBLEMS] to isolate basetables with field problems.

Filter the table occurrence portal by table name or enter [PROBLEMS] to isolate problematic table occurrences.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Table Occurrences for selected basetable (sortable)

The screenshot shows the Basetable Inspector application interface. The main window is titled "Inspector" and displays the following components:

- Database selector:** A dropdown menu showing "Frugal Foodies.fp7".
- Filter:** A text input field containing "BaseTables".
- Area Selector:** A dropdown menu showing "BaseTables".
- Solution / Analysis Info:** A header area showing "Solution: Frugal Foodies Analysis: Analysis ID : ANA-00074 @ 1/4/2006 9:07:15 AM" and "Basetable: FOODIE DDR ID: 32770".
- Basetable details:** A table listing basetables with columns for name, graph, fields, and records. The table includes entries like PEOPLE, FOODIE, ATTENDANCE, COMMUNICATION, HISTORY, SESSION, and PREFERENCE.
- Table Occurrences for selected basetable (sortable):** A table listing table occurrences with columns for name and color. The table includes entries like LD FOODIE, FD FOODIE, and ER FOODIE.
- Basetable References:** A section showing references to the selected basetable, including Field, Privilege Set, and Script.
- Basetable Occurrences in Graph:** A section showing occurrences of the basetable in the graph, with columns for name, color, and file reference.
- Security:** A section showing security-related information, including a "Security" tab and a "Table Filter - auto complete" dropdown.
- Basetable Solution Note:** A text area for notes related to the basetable solution.
- Basetable Analysis Note:** A text area for notes related to the basetable analysis.
- Basetable references:** A section showing references to the selected basetable, including Field, Privilege Set, and Script.
- Hotlink to item:** A button labeled "Hotlink to item".
- Basetables referenced on the graph:** A section showing basetables referenced on the graph, including "Caus", "LO", "Val [P]", "Val [S]", "Rel [F]", "Rel [T]", "Rel [P]", "Rel [S]", and "SS".

Field Inspector

The "Fields" area shows you the fields for a selected basetable. Filtering comes in very handy when working with a large list of fields. The green dot indicates the field has neither references nor dependencies.

I use a dash "-", as a field name to create a separation or grouping within Define Fields. Because they don't have any references or dependencies, Inspector will flag these fields and give them a green dot. All the unreferenced items can then be reported together in the unreferenced report.

Filter the basetable portal by basetable name or enter [FIELD PROBLEMS] to isolate problematic basetables.

Filter the fields portal by field name or enter the following: [DATA TYPE], [TYPE], [COMMENT], [CONTEXT], [INDEX], [GLOBAL], or [PROBLEMS] to isolate fields with problems.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Database selector: Frugal Foodies.fp7
 Filter: Fields
 Area Selector: Inspector
 Solution / Analysis Info: Solution: Frugal Foodies Analysis: Analysis ID : ANA-00074 @ 1/4/2006 9:07:15 AM

Basetable details

name	fields	records	Filter
PEOPLE	14	192	Filter: [Green Dot]
FOODIE	11	29	Filter: [Green Dot]
ATTENDANCE	10	119	Filter: [Green Dot]
COMMUNICATION	9	7	Filter: [Green Dot]
HISTORY	7		Filter: [Green Dot]
-	1		Filter: [Green Dot]
SESSION	21	30	Filter: [Green Dot]
PREFERENCE	4	1	Filter: [Green Dot]

Fields for selected basetable (sortable)

name	auto	index	global	type
gt_email_list	[Green Dot]	True	True	Text-Normal
---	True	None	False	Text-Normal
gm_highlight	[Green Dot]	True	True	Binary-Normal
gm_red_dot	[Green Dot]	True	True	Binary-Normal
---	True	None	False	Text-Normal
ci_filter_high	[Green Dot]	True	None	Text-Calculated
[Problem] Field Calculation: If (IsEmpty (<Field Missing>); "zzzzz"; <Field Missing> & "zzzzz")	[Green Dot]	False	False	Text-Calculated
ci_comment	[Green Dot]	None	False	Number-Calculated

References

Dependencies	Calculation References	Security	Other References
FunctionRef	If		Frugal Foodies.fp7
NoRef	(Frugal Foodies.fp7
FunctionRef	IsEmpty		Frugal Foodies.fp7
NoRef	(<Field Missing>); "zzzzz"; <Field		Frugal Foodies.fp7

Field Solution Note

Field Analysis Note

Export all references and dependencies [Export]

Field Solution Note

Field Analysis Note

Hotlink to item

Security References

Field Filter - auto complete
 Use Keywords such as ... [PROBLEMS]

Instantly uncover problems with tooltips ...

Table Inspector

Tables represent basetables in the relationship graph. If a table occurrence is referenced externally, it will show the name of the file reference the table occurrence relies on. Tables are the lifeblood of a FileMaker system in FileMaker 7/8 and knowing table references is essential. Inspector does a wonderful job of this.

Filter this portal by table name or enter [PROBLEMS] to isolate problematic tables.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Table Inspector application window. At the top, there is a title bar with the text "Inspector" and "Solution: Frugal Foodies Analysis: Analysis ID : ANA-00074 @ 1/4/2006 9:07:15 AM". Below the title bar, there is a "Database selector" showing "Frugal Foodies.fp7" and a "Filter" field containing "Tables". To the right, there is an "Area Selector" and "Solution / Analysis Info" showing "Table Occurrence Name: FL PEOPLE".

The main interface is divided into two main sections: "Table Occurrences" on the left and "Table Occurrence Information" on the right. The "Table Occurrences" section contains a list of 29 table occurrences, each with a name, a basetable, and a status icon. The "Table Occurrence Information" section provides details for the selected table occurrence, including "basetable: PEOPLE", "color: #663333", and "file reference:". Below this, there are tabs for "Table References", "From Relationship References", and "To Relationship References". The "Table References" tab is active, showing a list of layout objects and their references to the table occurrence. The list includes columns for "Layout object info" and "Database name".

At the bottom of the interface, there are two text areas: "Table Occurrence Solution Note" and "Table Occurrence Analysis Note". There is also a "Hotlink to item" button and an "Export" button labeled "export all references and dependencies".

Labels in the image point to various components: "Database selector", "Filter", "Area Selector", "Solution / Analysis Info", "Table Occurrences", "Table Occurrence Information", "Table References", "From Relationship References", "To Relationship References", "Table Solution Note", "Table Analysis Note", "Hotlink to item", and "Layout Object Table references".

Relationship Inspector

The ability to show the predicates of table joins and sort fields is new in the FileMaker Pro Advanced DDR output.

Filter this portal by table occurrence name or enter: [PROBLEMS], [JOIN PREDICATE PROBLEMS], [JOIN SORT PROBLEMS] to isolate all problematic relationships.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Relationship Inspector interface with the following components labeled:

- Database selector:** Points to the 'Frugal Foodies.fp7' field.
- Filter:** Points to the 'Filter:' dropdown menu.
- Area Selector:** Points to the 'Relationships' dropdown menu.
- Relationship info:** Points to the 'Relationship ID: 33' field.
- Solution / Analysis Info:** Points to the top right header area.
- Relationships:** Points to the main table listing relationships.
- Relationship Information:** Points to the right-hand pane showing details for the selected relationship.
- Join Sorts:** Points to the 'Join Sorts' section.
- Relationship Solution Note:** Points to the 'Relationship Solution Note' field.
- Relationship Analysis Note:** Points to the 'Relationship Analysis Note' field.
- Join Predicates:** Points to the 'Join Predicates' section.
- Export dependencies:** Points to the 'Export' button.

table occurrence	to table occurrence	predicates	problems	sorts	problems
LO	SE SESSION	1			
SL PERSON ATTENDANCE	LO FOODIE	1			
SE SESSION	CH ATTENDANCE	2			
ER COMMUNICATION	ER PEOPLE	1			
AX COMMUNICATION	SE SESSION	1			
FO COMMUNICATION	SE SESSION	1			
SE SESSION	SL PERSON COMMUNICATION	1			
SE SESSION	FL PEOPLE COMMUNICATE	4			
ER HISTORY	ER	1			
AX HISTORY	SE SESSION	1			

table occurrence: :field		table occurrence: :field
SE SESSION::d_filter_high	GreaterThanOrEqualTo	FL PEOPLE COMMUNICATE::d_filter
SE SESSION::d_filter_low	LessThanOrEqualTo	FL PEOPLE COMMUNICATE::d_filter
SE SESSION::gt_type_filter	Equal	FL PEOPLE COMMUNICATE::type
SE SESSION::d_constant	Equal	FL PEOPLE COMMUNICATE::contact

Layout Inspector

FileMaker Pro Advanced can now generate a DDR tracking Merge Fields, portals, portal sort fields and the new tab controls. The ability to filter is essential when there are many objects on a layout.

Filter the layout portal by layout name or enter: [PROBLEMS], or [LAYOUT OBJECT PROBLEMS] to isolate problematic layouts or layout objects.

Filter layout objects portal by fields, tables, text, scripts, valuelists - or enter key words such as Text, Field, Merge Field, Oval, Rect, Line, or [PROBLEMS] to isolate problematic layout object.

Filtering by [PROBLEMS] is very comprehensive.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Database selector **Filter** **Area Selector** **Layout Object Filter** **Solution / Analysis Info**

Layouts **Layout Objects** **Layout Object Dependencies** **References Targets & Security**

Layout Solution Note **Layout Analysis Note**

name	problems	objects	problems
AX PEOPLE	12		
AX FOODIE	8		
AX ATTENDANCE	11		
AX PREFERENCE	4		
AX COMMUNICATION	7		
AX HISTORY	10		
-	2		
SE SESSION	11		
-	2		
Overview	148		
Communicate	89		
Follow up	94		
History	48		

name	type	field / merge field / portal field	text / script step / portal	table name	script name
AX PEOPLE	Field	igt_email_list			SE SESSION
AX FOODIE	Graphic				
AX ATTENDANCE	Portal			SL FOODIE ATTENDANCE	
AX PREFERENCE	Portal			AX FOODIE	
AX COMMUNICATION	GroupButton	Perform Script	> select foodie		
AX HISTORY	Field	ci_highlight		AX FOODIE	
-	Field	description		AX FOODIE	
SE SESSION	Field	date		AX FOODIE	
-	Portal			PL PEOPLE	
Overview	GroupButton	Perform Script	> select person		

field	base table	database
FieldRef	id_foodie	FOODIE
NoRef	& "F" & "FOODIE" & "F" & "PEOPLE"	Frugal Foodies.fp7
ScriptRef	> select foodie	Frugal Foodies.fp7

Value List Inspector

Here you can copy custom values if you need them. Filter value lists by entering one of the following: [SOURCE], and [PROBLEMS] to isolate problematic value lists.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)


The screenshot shows the Value List Inspector interface with the following labeled components:

- Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)**: The main title of the application window.
- Database selector**: A dropdown menu showing 'Frugal Foodies.fp7'.
- Filter**: A search box containing 'Valuelists'.
- Area Selector**: A dropdown menu showing 'Valuelists'.
- Layout Object Filter**: A dropdown menu showing 'Valuelist: Type' and 'Source: Custom'.
- Solution / Analysis Info**: A header bar showing 'Solution: Frugal Foodies Analysis: Analysis ID : ANA-00072 @ 1/4/2006 7:21:03 AM'.
- Valuelists [6]**: A table listing value lists with columns for name and type.

name	type
Flag	Custom
People	Field
Type	Custom
Filtered Email List	Field
Attended Email List	Field
Type Checkbox	Custom
- Valuelist information**: A panel showing details for the selected 'Type' value list, including primary and secondary field names, tables, and sorts. It also includes a 'Custom values' list with 'Potential Possible' and 'All'.
- Valuelist References**: A section with tabs for 'Field Validation', 'Script Step Sort', 'Relationship Sort', 'GroupButton Sort', 'Field Style', and 'Portal Valuelist'. It shows layout object info for '[Layout] Overview' and '[Layout] Communicate'.
- Valuelist Info**: A vertical label on the right side of the interface.
- References & Security**: A vertical label on the right side of the interface.
- Valuelist Solution Note**: A text area for notes related to the solution.
- Valuelist Analysis Note**: A text area for notes related to the analysis.
- Valuelist referenced by Fields**: A section showing fields that reference the value list, with an 'Export' button and the text 'export all references and dependencies'.

Script Inspector

As a developer you spend a lot of time working with scripts. Inspector, of course, allows you to filter and locate scripts. The up arrows indicate a script referenced by another object. The down arrow indicates a script with steps dependent on other elements. The green dot indicates the script can be deleted as it is not referenced elsewhere.

 The small, page-like icon indicates ability to print a script with individual steps. Here is an example of an individual script report. Script steps that have been commented out show up in light gray, while Perform Script steps have a link arrow next to them giving a visual indication of where the script jumps.

The script portal can be filtered with the following: [INCLUDE IN MENU], [RUN FULL ACCESS], [PROBLEMS], and [SCRIPT STEP PROBLEMS] to isolate problematic scripts. Filter the script steps portal by script step name or enter the following: [STEP #], [ENABLED], and [PROBLEMS] to isolate problematic script steps.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Database selector: Frugal Foodies.fp7

Filter: Scripts

Area Selector: Scripts

Solution / Analysis Info: Solution: Frugal Foodies Analysis; Analysis ID : ANA-00072 @ 1/4/2006 7:21:03 AM

Script: b delete sign up Step: Perform Script

Scripts [13] Filter: [ENABLED] True

name	menu	access	steps
o open	False	False	13
c close	False	True	7
----- CREATION -----			
b create people	False	True	15
b create foodie	False	True	15
b sign up person for foodie	False	True	20
----- DELETE -----			
b delete person	False	False	19
. delete person	False	True	12
#	False	False	
b delete foodie	False	False	19
. delete foodie	False	True	12
#	False	False	
b delete sign up	False	False	19
. delete sign up	False	True	12
#	False	False	
b delete history	False	False	19
. delete history	False	True	12
#	False	False	
-	False	False	

Script Solution Note

Script Analysis Note

Script Step Dependencies

Script Dependencies

Script References

DB [open] DB [close] Security

Script - export all references and dependencies [Export]

Script Step - export all references and dependencies [Export]

Script Step Filter - auto complete

References Dependencies & Security

Script List

Script Solution Note

Script Analysis Note

Hotlink to item

Script dependencies

Script Step dependencies

Account Inspector

Filter the accounts portal by account name or use: [MANAGED BY], [STATUS], [PRIVILEGE SET], [PASSWORD EMPTY], [CHANGE PWD ON NEXT LOGIN], and [PROBLEMS].

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Account Inspector web application interface. The main content area is divided into several sections:

- Database selector:** A dropdown menu showing "Account Manager.fp7".
- Area Selector:** A dropdown menu showing "Accounts".
- Filter:** A search box with a green magnifying glass icon.
- Solution / Analysis Info:** Text at the top right indicating "Solution: Account Manager Analysis: Analysis ID : ANA-00075 @ 1/4/2006 10:21:13 AM" and "Account: am_admin".
- Account List:** A table with columns: name, privilege set, status, change, empty, managed by. The table contains 5 rows of account data.
- Account Information:** A panel on the right showing details for the selected account (am_admin), including account status (Active), managed by (FileMaker), account privilege set (admin), account empty password (False), change password on next login (False), and description.
- Account Solution Note:** A text area at the bottom left for adding solution notes.
- Account Analysis Note:** A text area at the bottom left for adding analysis notes.
- Selected Account Information:** A vertical label on the right side of the account information panel.

name	privilege set	status	change	empty	managed by
[Guest]	[Read-Only Access]	Inactive	False	False	FileMaker
am_master	[Full Access]	Active	False	False	FileMaker
am_admin	admin	Active	False	False	FileMaker
administrator	open db	Active	False	False	FileMaker
vmenanno	user	Active	False	False	FileMaker

Privilege Set Inspector

Filter privilege sets by entering: [AREA], [RECORD CREATE], [RECORD VIEW], [RECORD EDIT], [RECORD DELETE], [FIELD ACCESS], [LAYOUT ACCESS], [LAYOUT DATA ACCESS], [VALUELIST ACCESS], [VALUELIST ALLOW CREATION], [SCRIPT ACCESS], [SCRIPT ALLOW CREATION], and [PROBLEMS] to isolate problematic privilege basetables.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Privilege Set Inspector application window. The interface is divided into several sections:

- Inspector Overview (Manage Solutions/Import DDR/ Generate Reports):** The top header area.
- Database selector:** A dropdown menu showing 'Frugal Foodies.fp7'.
- Filter:** A search box for filtering privilege sets.
- Area Selector:** A dropdown menu for selecting an area.
- Solution / Analysis Info:** The top right corner showing 'Solution: Analysis: Analysis ID : ANA-00074 © 1/4/2006 9:07:15 AM'.
- Privilege Sets:** A list on the left side showing privilege sets like '[Full Access]', '[Data Entry Only]', '[Read-Only Access]', and 'user'.
- Privilege Basetable Info:** A central table showing access restrictions for records, layouts, and value lists.

area	name	create / access	view / default	edit	delete	field access
Records	PEOPLE	True	Limited	Limited	False	Limited
Records	FOODIE	True	Limited	Limited	False	Limited
Records	-	False	False	False	False	NoAccess
Records	ATTENDANCE	False	True	False	False	Limited
Records	SESSION	True	True	True	False	NoAccess
Records	PREFERENCE	False	False	False	False	NoAccess
Records	COMMUNICATION	False	True	True	False	Limited
Records	HISTORY	True	True	True	False	Limited
- Privilege Set Information:** A section on the right showing details for the selected 'user' privilege set, including menu, printing, exporting, etc.
- Access Restriction for Fields:** A table showing field-level access restrictions.

name	access restriction
id_foodie	NoAccess
-	NoAccess
description	ViewOnly
date	NoAccess
ci_highlight	ViewOnly
-	NoAccess
ci_attendance	NoAccess
- Privilege Set References:** A table at the bottom showing references to accounts, script steps, layouts, and extended privileges.

account	status	managed by	empty	pwd	chg pwd	next login
user	Active	FileMaker		False		False
- Privilege Set Solution Note:** A text area for notes related to the solution.
- Privilege Set Analysis Note:** A text area for notes related to the analysis.
- Hotlink to item:** A button or icon for linking to a specific item.
- Privilege Field Info:** A section for detailed field information.
- Dependencies References & Security:** A vertical label on the right side of the interface.
- Privilege Basetable Filter - auto complete:** A vertical label on the right side of the interface.

File Reference Inspector

Filter file references by file reference name or enter: [PROBLEMS] to isolate problematic file references.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the File Reference Inspector application window. The title bar reads "Inspector" and the subtitle bar shows "Solution: Account Manager Analysis, Analysis ID : ANA-00001 @ 1/7/2006 12:17:03 PM". The main interface is divided into several sections:

- Database selector:** A text box containing "Account Manager.fp7".
- Filter:** A text box containing "File References".
- Area Selector:** A dropdown menu currently set to "File References".
- File reference path list:** A text box showing "file:AM Data.fp7".
- Solution / Analysis Info:** A text box showing "File References: AM Data".
- File References Table:** A table with columns "name" and "paths". It lists four entries: "AM Data", "AM Extra", "AM Register", and "Company", each with a count of "1" and a green arrow icon.
- File Reference Information:** A section containing a "Copy" button and a list of references with columns for name, type, and coordinates (L, T, R, B).
- References:** A vertical list of references on the right side of the window, including items like "[Layout] Access [Type] GroupButton" and "[Script] o open [Step] Set Field".
- File Reference Solution Note:** A text area with a pencil icon for editing.
- File Reference Analysis Note:** A text area with a pencil icon for editing.
- Hotlink to item:** A "Browse" button at the bottom left.
- Export:** An "Export" button at the bottom right.

Extended Privilege Inspector

Extended privileges can be filtered by keyword.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the 'Inspector' application window. At the top, there are labels for 'Database selector' (pointing to 'Frugal Foodies.fp7'), 'Filter' (pointing to a search box), 'Area Selector' (pointing to 'Extended Privileges'), and 'Solution / Analysis Info' (pointing to 'Solution: Frugal Foodies Analysis: Analysis ID : ANA-00078 @ 1/4/2006 4:03:01 PM').

The main content area is divided into two panes. The left pane, labeled 'Extended Privileges', contains a table with the following data:

keyword	description
fmiwp	Access via Instant Web Publishing
fmxdbc	Access via ODBC/JDBC
fmapp	Access via FileMaker Network
fmmobile	Access via FileMaker Mobile
fmxmi	Access via XML Web Publishing - FMSA only
fmxslt	Access via XSLT Web Publishing - FMSA only

The right pane, labeled 'Extended Privilege Info', shows details for the selected 'fmapp' keyword. It includes a 'Keyword: fmapp' and a 'Description: Access via FileMaker Network'. Below this is a 'Privilege Set References' section with a table containing one entry: 'user'. A label 'Hotlink to item' points to the 'user' entry. At the bottom right of the right pane is an 'Export' button.

At the bottom of the interface, there are two note fields: 'Extended Privilege Solution Note' and 'Extended Privilege Analysis Note'. Labels 'Field Solution Note' and 'Field Analysis Note' point to these respective fields.

Custom Function Inspector

Filter custom functions by name or use: [VISIBLE] or [PROBLEMS] to isolate problematic custom functions.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

The screenshot shows the Custom Function Inspector interface. At the top, there is a header bar with the title 'Inspector' and a sub-header 'Solution: Frugal Foodies Analysis: Analysis ID: ANA-00077 @ 1/4/2006 2:50:36 PM'. Below this, there is a 'Database selector' (Frugal Foodies.fp?) and an 'Area Selector' (Custom Functions). A 'Filter' dropdown is set to 'Visible'. The main area is divided into several sections:

- Custom Functions [1]:** A table with columns 'name' and 'visible'. The first row is 'SelectParameter' with 'visible' set to 'True'.
- Custom Function Information:** Shows 'parameters' (ParameterList; StartingFrom; NumberOfParameters) and a 'calculation' script. There are 'Copy' buttons for both sections.
- Custom Function Dependencies:** A table with a 'name' column and a list of dependencies, each starting with 'Script' and a step reference (e.g., 'select person [Step] Set Field [#] 10').
- Custom Function Solution Note:** A text area for notes related to the solution.
- Custom Function Analysis Note:** A text area for analysis notes.
- Hotlink to item:** A button labeled 'Custom Functions - export all references and dependencies' with an 'Export' button.

Vertical labels on the left and right sides of the interface are 'Custom Functions' and 'Custom Function Calculation' respectively. Labels at the bottom point to 'Custom Function Solution Note', 'Hotlink to item', and 'Custom Function References'.

Custom Menu Set Inspector

Filter custom menu set portals by name.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Database selector Filter Area Selector Custom Menu Lists Solution / Analysis Info

Inspector

Solution: Frugal Foodies Analysis: Analysis ID : ANA-00077 @ 1/4/2006 2:50:36 PM

MA Custom Menu Sets Custom Menu Sets Custom Menu Set: Frugal Foodies

Custom Menu Sets [3] Filter: Custom Menu Lists [4] Filter:

Custom Menu Sets

name	custom menu lists
[Standard FileMaker Menus]	
Custom Menu Set 1	11
Frugal Foodies	4

Custom Menu Lists

custom menu name	name
Frugal Foodie	
Edit	
Insert	
Foodies	

Custom Menu Set References

On Open Database Layouts

Script	name
[Script] New Script Copy [Step] Install Menu Set (#) 1	

References

Custom Menu List Filter - auto complete

Custom Menu Set Solution Note

Custom Menu Set Analysis Note

Hotlink to item

Custom Menu Set references

Custom Menu Set - export all references and dependencies Export

Custom Menu Inspector

Filter the custom-menus portal by name or enter: [FIND MODE], [BROWSE MODE], [PREVIEW MODE], [MAC], [WIN], or [PROBLEMS] to isolate problematic custom menus.

The custom-menu-items portal can be filtered by custom-menu-item-command name or by entering: [MAC], [WIN], [SUBMENU], [SEPARATOR] or [PROBLEMS] to isolate problematic custom-menu items.

Inspector Overview (Manage Solutions/Import DDR/ Generate Reports)

Database selector Filter Area Selector Solution / Analysis Info

The screenshot shows the 'Inspector' application window. At the top, there's a title bar with 'Inspector' and a subtitle 'Solution: Frugal Foodies Analysis: Analysis ID : ANA-00077 @ 1/4/2006 2:50:36 PM'. Below the title bar, there are two dropdown menus: 'MA Custom Menu Sets' and 'Custom Menu'. To the right, it says 'Custom Menu: Foodies'. The main area is split into two panes. The left pane is titled 'Custom Menus [35]' and has a 'Filter' dropdown. It contains a list of menu items with columns for 'name', 'items', and 'problems'. The right pane is titled 'Custom Menu Items [4]' and has a 'Filter' dropdown. It contains a table with columns: 'command', 'mac', 'win', 'submenu', 'separator', 'shortcut', and 'mod'. Below the table is a section for 'Custom Menu Item Dependencies' with a search box and a list of dependencies. At the bottom, there are two text areas: 'Custom Menu Solution Note' and 'Custom Menu Analysis Note'. A 'Browse' button is at the bottom left. An 'Export' button is at the bottom right.

Inspector

Solution: Frugal Foodies Analysis: Analysis ID : ANA-00077 @ 1/4/2006 2:50:36 PM

MA Custom Menu Sets Custom Menu Custom Menu: Foodies

Custom Menus [35] Filter: Custom Menu Items [4] Filter:

name items problems command mac win submenu separator shortcut mod

FileMaker Pro Copy 3 New Record True True False False 78 4

File Copy 21 Duplicate Record True True False False 68 4

Edit Copy 19 True True False True

View Copy 19 Delete Record... True True False False 69 4

Insert Copy 12

[Format]

Requests Copy 13

Records Copy 22

[Scripts]

[Window]

Help Copy 8

[Open Recent]

[Import Records]

[Save/Send Records As]

[Go to Layout]

[Align text]

[Define]

[Find/Replace]

[Font]

[Line spacing]

[Object]

[Sharing]

[Go to Request]

Custom Menu Solution Note

Custom Menu Analysis Note

Custom Menu Item Dependencies

database

NoRef "New Person" Frugal Foodies.fp?

ScriptRef b create people Frugal Foodies.fp?

Custom Menu Items - export all dependencies Export

100% Browse

Custom Menu Items

Dependencies

Custom Menu Item Filter - auto complete

Custom Menu Item Solution Note

Custom Menu Items Analysis Note

Hotlink to item


Custom Menu Item dependencies

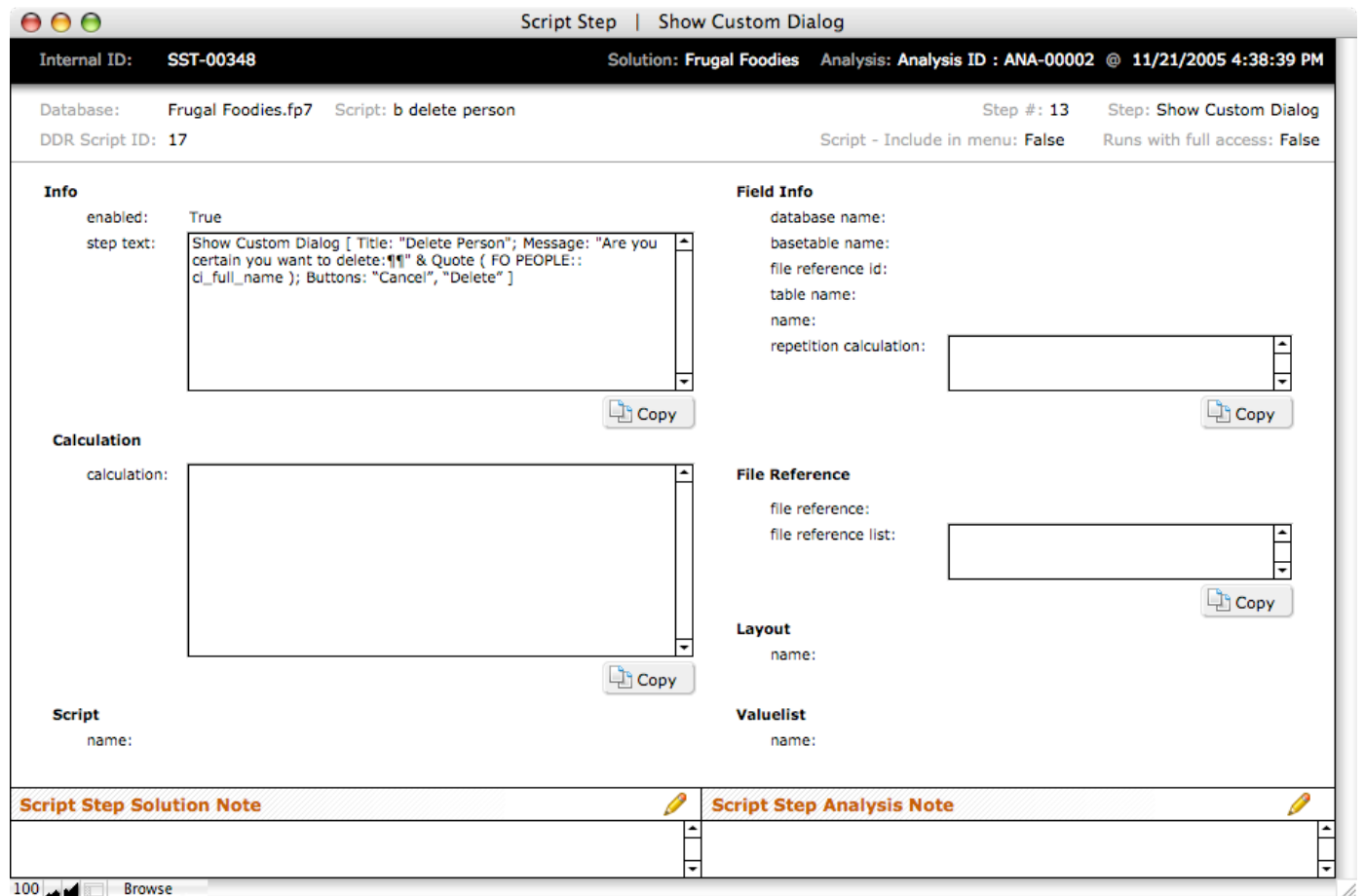
Enhancements

Step numbers that would facilitate troubleshooting do not exist in Script Maker. If you think this would be a useful feature to add please let FileMaker know.

http://www.filemaker.com/company/product/feature_request.html

The Script Steps view has another important feature.

 This icon opens a window with the script-step details as shown below.



The screenshot shows a window titled "Script Step | Show Custom Dialog". The window contains the following information:

- Internal ID:** SST-00348
- Solution:** Frugal Foodies
- Analysis:** Analysis ID : ANA-00002 @ 11/21/2005 4:38:39 PM
- Database:** Frugal Foodies.fp7
- Script:** b delete person
- Step #:** 13
- Step:** Show Custom Dialog
- DDR Script ID:** 17
- Script - Include in menu:** False
- Runs with full access:** False

The main content area is divided into several sections:

- Info:** Includes "enabled: True" and "step text:" with a text area containing: "Show Custom Dialog [Title: "Delete Person"; Message: "Are you certain you want to delete:¶¶" & Quote (FO PEOPLE::ci_full_name); Buttons: "Cancel", "Delete"]". A "Copy" button is below.
- Field Info:** Includes "database name:", "basetable name:", "file reference id:", "table name:", "name:", and "repetition calculation:". A "Copy" button is below.
- Calculation:** Includes "calculation:" with an empty text area. A "Copy" button is below.
- File Reference:** Includes "file reference:" and "file reference list:". A "Copy" button is below.
- Layout:** Includes "name:".
- Valuelist:** Includes "name:".
- Script:** Includes "name:".

At the bottom, there are two sections for notes:

- Script Step Solution Note** (with a pencil icon)
- Script Step Analysis Note** (with a pencil icon)

The status bar at the bottom left shows "100" and "Browse".

Limitations

How do I close a window: (One beta tester reported the following)

“When doing a Problem report (for Additions: Layout, coincidentally), there is no Continue (or Cancel) button on the Print Preview screen, and the red Close Window button is dimmed, so there is no way to dismiss the preview window other than looking thru the menus for the Close Window selection in the File menu. This same thing shows up in a couple places.”

Unfortunately this is the way FileMaker creates runtimes. In the unlocked version of Inspector 1.7, this should no longer be a problem. If you still have this problem, you can choose “Close Window” from the File menu, or use the associated shortcut.

Problems with Inspector importing a DDR:

If your computer has multiple volumes and you have stored your DDR output in a volume that is not the boot up volume, Inspector will not be able to locate it. The Inspector application and the DDR files need to be stored only on the boot up volume.

We have also noticed problems importing extremely large DDRs (e.g. 500MB!). In this case it is recommended to pare back the database, and then generate DDRs from smaller files.

Events Plug-in not loading:

If the events plug-in does not load when using Inspector on Windows - it is likely that you'll need to run this update which can be found at this url.

<http://www.microsoft.com/downloads/details.aspx?FamilyID=262d25e3-f589-4842-8157-034d1e7cf3a3&displaylang=en>

Licensing Information

For details, please see the Inspector licensing agreement.

Thank you for your interest and support

Although I have taken great care at making the product bug-free, there is always something that can be improved upon. Please let me know if something is not working the way you would expect. I take great pride in my work, and am always very happy to hear from you. I would like to thank you very much for your continued support and for the encouragement many of you have provided over the years. Special thank you to Rick for helping out with reports and for the amazing implementation of sorted portals... Thank you Julian for your continued support and encouragement throughout the year. A special thank you to all the people at beezwax who have been very encouraging and supportive.

Thank you to Co.Ken Hollman for his help in dealing with the new DDR in FM 9

Thank you David - together we made this into a reality. Your attention to detail and responsiveness has helped make this a success, and I hope this leads to many other successes for us.

Send me any bugs you find and feature requests. Spread the word about Inspector; I would be very grateful. And of course thank you for your interest and support so that I can continue to build other great tools and solutions. I always love hearing from users... so drop me a line if you feel inspired to write.

Inspector 2.0 written by: Vincenzo P. Menanno © 2005-2008 FMNEXUS. all rights reserved.

Inspector plug-in written by David Alter. XSL stylesheet help provided by Luke Luke van der Westhuysen.

Sales and fulfillment provided by: The Beezwax team - wow it is done!

Well this product was being worked on in Sept of 2006 ... but it got a stalled launch because on Sept 23rd my wife Maria passed away. This product is dedicated to Maria and the constant inspiration, which she provided me with in all my endeavors and throughout the many years that we knew one another.

In Memory of Maria Menanno
January 19, 1972 -
September 23, 2007

