Object and Database Comparison Wizard for Microsoft® Access

Total Access Detective™

For Microsoft® Access

FMS

www.fmsinc.com

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Many people at FMS contributed to the completion of Total Access Detective, including:

- Product Design and Development: Luke Chung
- **Quality Assurance and Technical Support:** Molly Pell, John Litchfield, and Madhuja Vasudevan
- **Documentation:** Luke Chung and Molly Pell

Table of Contents

Welcome to Total Access Detective!

Thank you for selecting Total Access Detective, the premier database and object comparison tool for Microsoft Access.

Total Access Detective is developed by FMS, the world's leading developer of Microsoft Access products. In addition to Total Access Detective, we offer a wide range of products for Microsoft Access developers, administrators, and users:

- Total Access Analyzer (database documentation)
- Total Access Admin (database maintenance control)
- Total Access Components (ActiveX controls)
- Total Access Emailer (email blaster)
- Total Access Memo (rich text format memo fields)
- Total Access Speller (spell checker)
- Total Access Statistics (statistical analysis program)
- Total Access Startup (version launcher)
- Total Visual Agent (database maintenance and scheduling)
- Total Visual CodeTools (code builders and managers)
- Total Visual SourceBook (code library)
- Total Zip Code Database (city and state lookup lists)
- EzUpData (share your data, reports, and files over the internet)

Visit our web site, www.fmsinc.com, for more information. We also offer Sentinel Visualizer, an advanced data visualization program that identifies relationships among people, places and events through link charts, geospatial mapping, timelines, social network analysis, etc. Visit our Advanced Systems Group at www.fmsasg.com for details.

Please make sure you sign up for our free email newsletter. This guarantees that you will be contacted in the event of news, upgrades, and beta invitations. Once again, thank you for selecting Total Access Detective.

Luke Chung
President

Chapter 1: Introduction

Total Access Detective simplifies the detection of differences between any two objects in one database, or objects across two databases. This chapter provides a brief description of Total Access Detective and an outline of the rest of the manual.

Topics in this Chapter

Product Highlights

Welcome to Total Access Detective, the comparison wizard for Microsoft Access. Total Access Detective gives you the ability to compare any two objects or two databases for differences, simplifying the tracking of changes between versions. For multi-developer or multi-site environments, Total Access Detective detects differences between databases to ease the consolidation of modifications.

Total Access Detective determines all differences between objects, uncovering differences in properties, controls, fields, indexes, macro lines, and even module lines. Total Access Detective can even show data differences (new and modified records) between your tables, and combine the data into a new table. It also detects line-by-line differences between any two blocks of text.

Total Access Detective is fully integrated with Microsoft Access and is implemented as an easy-to-use Wizard. There are two ways to use the Wizard: comparing two objects in the current database (from the Access Add-ins menu), or comparing identically named objects in two databases (from the Windows Start menu). See **Running Total Access Detective** on page 24 for details.

What Total Access Detective Detects

Total Access Detective reveals the differences between any two Access objects. The type of difference depends on the type of objects compared. In general, only properties of identically named items (e.g. fields, controls, macro names, procedures) are compared. For instance, properties of fields are compared based on field name, not field order (which can vary if fields are added, deleted, or re-ordered). If an item exists in only one object, it is listed, but its properties are not listed as being different.

Tables

- **Fields:** Compares field properties (such as name, order, data type, description, input mask, validation rule, etc.), and lists fields in one table and not the other.
- **Indexes:** Compares index names, fields, sort order, primary, unique, ignore blanks, etc., and lists indexes in one table and not the other.

- **Data:** Compares data in tables with identical fields. For keyed tables it reveals new, modified, and deleted records. For un-keyed tables, it lists the first differing record. New options are available for comparing tables with different field names, field order, and un-keyed tables.

Queries

Compares query type, fields, parameters, and other properties. When comparing two queries, there is an option to compare their data.

Forms

Compares form properties, controls/control properties, and sections/section properties, and lists controls and sections in one form but not the other.

Reports

Compares report properties, controls/control properties, sections/section properties, and group level properties, and lists objects in one report but not the other.

Data Access Pages

Compares properties of Data Access Pages, including the underlying HTML and data source information. Since Data Access Pages were deprecated in Access 2007, comparisons are not possible in Access 2007 or later.

Macros

Detects differences in macro commands, including arguments. If macro names (also known as sub-macros) exist, only identically named macro names are compared. Macro names in one macro but not the other are listed.

Total Access Detective does not perform a simple line-by-line comparison—if it used this approach and an extra line were added or deleted, all subsequent lines would be flagged as different. Instead, it uses a more intelligent algorithm to detect whether multiple lines of a macro were added or deleted, and only presents the block of differences

Modules

Detects differences in module lines, and lists procedures in one module but not the other. The declarations sections and identically named procedures are compared line by line.

Like with macros, Total Access Detective does not perform a simple line-by-line comparison. It understands that blocks of code may be added or deleted, and only lists the block of code that differs rather than all the lines after the first difference. If lines of code are modified (rather than added or deleted), the code from both modules is shown for easy comparison.

Import/Export Specifications

Microsoft Access 2007 introduced saved import and export specifications which are compared in Access 2007 and later.

Database Comparison

These items are analyzed for Database Comparison:

Permissions

Detects differences in security permissions.

Relations

Detects differences in table relationships, including linked fields, referential integrity settings, and relationship types.

Database Properties

Detects differences in database properties, and lists properties that exist in one database but not the other.

Library References

Detects different VBA library references.

Text Comparison

Performs line-by-line comparison between any two blocks of text. The text may be from any source; simply retrieve it from a file or paste it into Total Access Detective for analysis. This feature is ideal for comparing module code stored outside your database, such as old versions or text files. You can analyze the text as plain text or perform module analysis to compare procedures. The results are similar to module analysis with a report for the differences and line-by-line printouts of the original text blocks.

Enhancements in This Version

The latest version of Total Access Detective includes many significant enhancements:

New Versions for Microsoft Access 2016 and 2013, and Upgrades for Earlier Access Versions

New versions are available:

- Version 16 for Microsoft Access 2016
- Version 15.5 for Microsoft Access 2013
- Version 14.5 for Microsoft Access 2010
- Version 12.9 for Microsoft Access 2007
- Version 11.9 for Microsoft Access 2003

Each version supports the different property values, macro actions and VBA changes for its Access version.

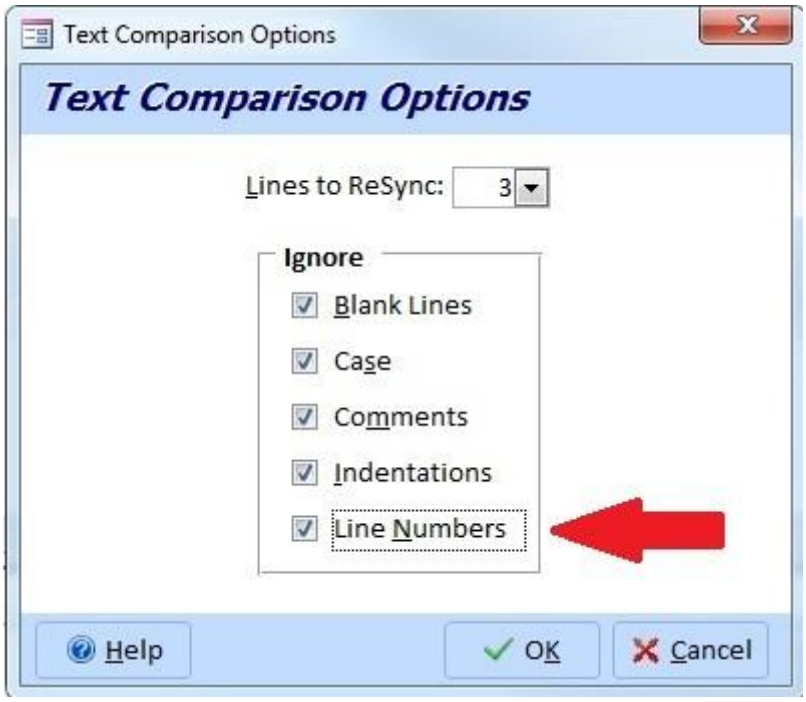
Support for 32 and 64 bit Versions of Microsoft Access

Total Access Detective includes two programs in one to support the 32 and 64 bit versions of Microsoft Access 2016, 2013 and 2010. Microsoft does not allow both versions of Office to be installed on one machine. The Total Access Detective setup program detects the appropriate version and installs it on your machine.

Module and Text Comparison Option to Ignore Line Numbers

Total Access Detective compares module code for differences. Module code may include line numbers to help with error handling to pinpoint exactly which line of code is crashing.

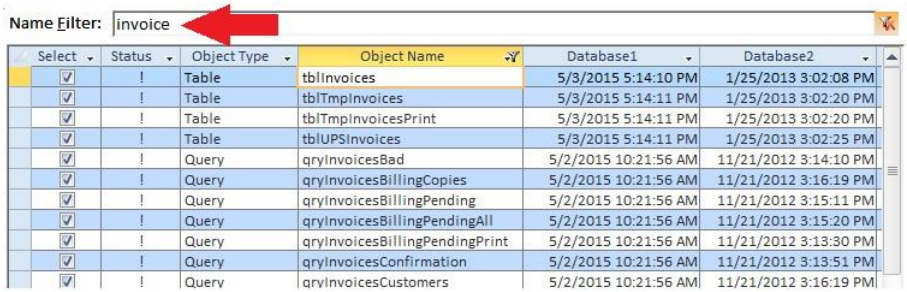
When comparing VBA code, you may have code that's numbered and not numbered or two modules numbered differently. If you are only interested in the VBA that changed and not the line numbers, Total Access Detective offers a new option to compare your code and ignore any differences with line numbers:



New Option to Exclude Line Numbers

Search Bar to Filter Objects and Properties by Name

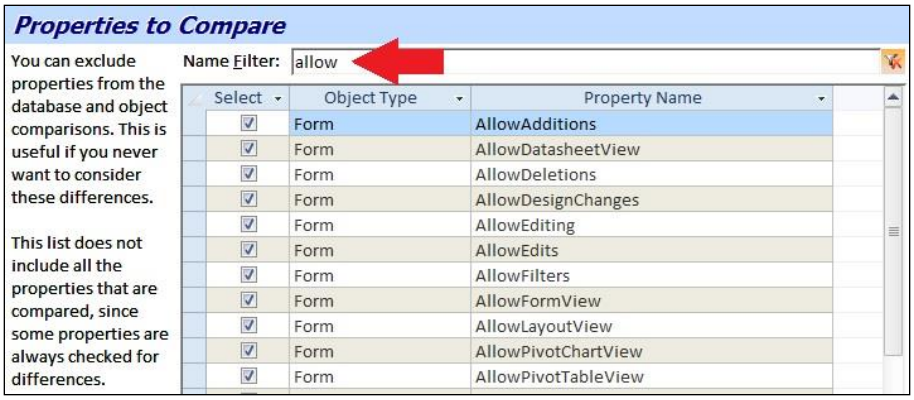
Similar to the search bar on the Microsoft Access navigation pane, Total Access Detective includes a Name Filter to simplify selecting objects when comparing databases:



Name Filter for Selecting Objects

The [Select All] and [Cancel All] buttons work on the filtered list.

Similarly, the Name Filter is also available for Property names in the Property Selection feature:



Name Filter on Property List

After comparing two databases, when viewing the Object Differences, the filter for the object names and properties also has the Name filter.

See and Filter Tables based on Whether it's Linked

When comparing two databases, a list of identically named objects is displayed to select them for detailed comparison. Tables are now displayed with information on whether they are linked or not, and a filter is available to easily see the differences:

The filter options are:

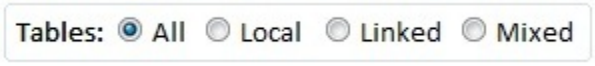
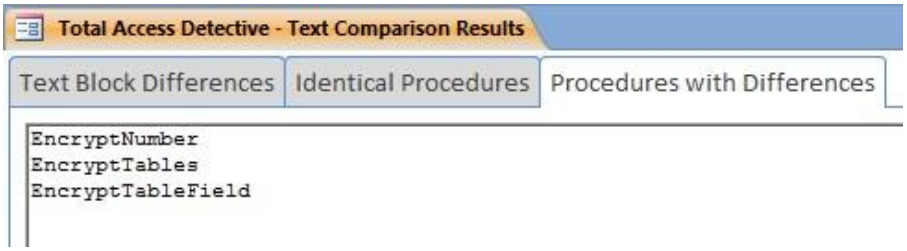


Table Filter Options

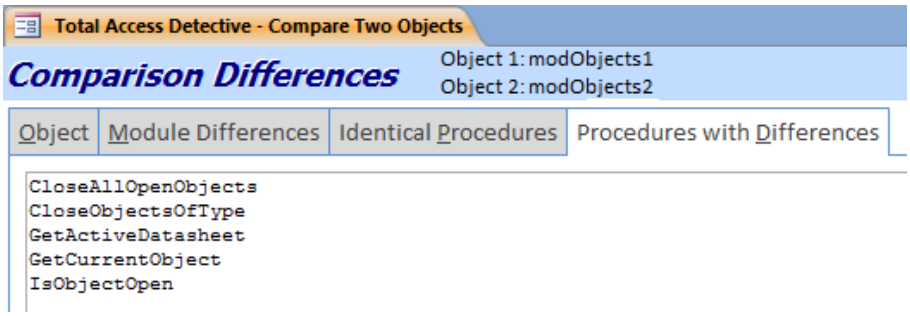
- **All**: No Filter
- **Local**: Both tables are local (exist in their respective database)
- **Linked**: Both tables are linked to other databases
- **Mixed**: One is local and the other is linked

Procedures with Differences List

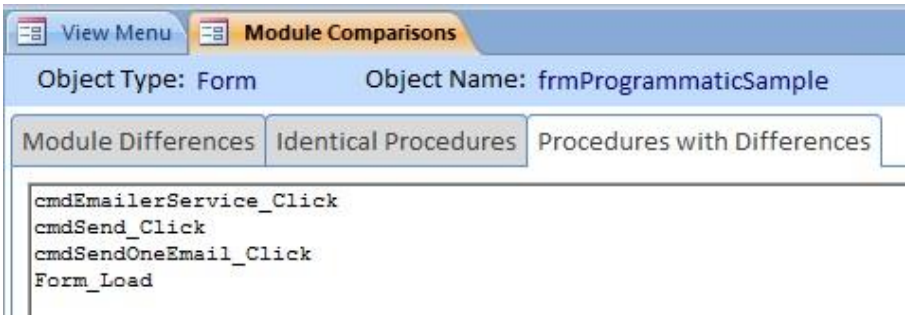
When comparing two modules, a new tab shows the procedures with differences. The detail of the differences remains in the main tab, but now there's a summary list of procedures that are different:



New Procedures with Differences Tab when Comparing Text



New Procedures with Differences Tab when Comparing Two Modules



New Procedures with Differences Tab when Comparing Modules in Two Databases

In addition to viewing the data in the tab, corresponding export and reports are available.

Data Macro Comparison

Data macros in ACCDBs (Access 2010 and later) are detected. Data macros in one database and not the other are identified. Identically named data macros are compared for code differences.

Datasheet Column Widths are Saved

If you resize datasheet columns while viewing the Total Access Detective results, your column widths are preserved the next time you reopen the form.

Two Database Comparison User Interface

Object Selection Screen Enhancements

- Conditional formatting shows which object was more recently modified
- Ability to filter and sort on status column
- Status column offers information explaining its values

Property filter form is resizable

International Users

For our international customers, when you first run Total Access Detective, it defaults to A4 paper size (rather than US Letter) if your default printer uses A4 paper.

Improved User Interface

- For beginners, the two object comparison add-in mentions launching the two database comparison Wizard if you're in the wrong Wizard
- Sample database is launched with splash screen
- Font size increased for some screens

Improved Setup

Setup program enhanced to upgrade existing installation and Modify, Repair and Remove from Control Panel.

Updated Documentation

Updated user manual and help file.

Enhancements from Previous Versions

Prior versions have included the following enhancements:

Version 14 for Microsoft Access 2010

The new properties, macro actions, and VBA code syntax introduced in Access 2010 are supported for difference detection.

Microsoft Access 2010 Support for 32 and 64 bit Versions

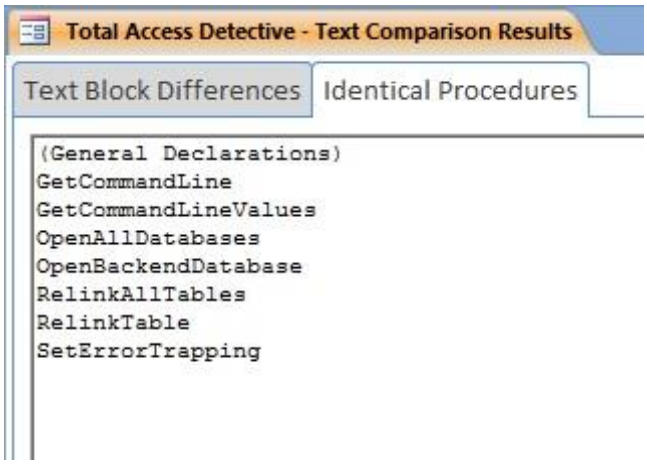
Total Access Detective 2010 includes two programs in one to support the 32 and 64 bit versions of Microsoft Office 2010.

Embedded Macro Line-by-Line Comparison

Embedded macros on forms and reports are now compared on a line-by-line basis similar to how regular macros are compared. Previously, the entire embedded macro property was compared without the "smart" comparison that identifies new or deleted lines within the macro code. To support this, the results now have a new Embedded Macros tab when differences exist. For two database comparisons, this is in the Object Differences screen. Three new reports are added to show the differences between the macros, as well as the embedded macro code from each object or database.

Identical Procedures Listed for Module Comparisons

In addition to listing the modules lines that are different, a new list of identical procedures is generated. This lets you easily confirm which procedures did not change. The identical procedures are shown on a new Identical Procedures tab after the Module Differences tab. This applies to comparing two objects, two databases, and two blocks of text. A report is provided for printing the list, which can also be exported.



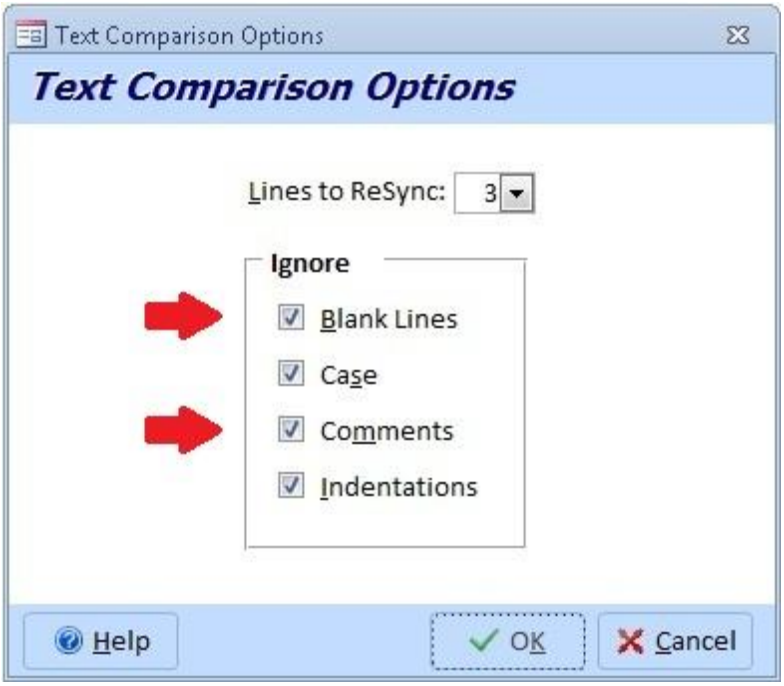
Identical Procedures between Two Modules

Data Comparison Option to Ignore Case

A new option is available to ignore case between fields. This is set under the Data Comparison Options, Field Comparison tab. Check the Ignore Case option if you want case insensitive comparisons of your data.

Ignore Blank Lines and Comments when Comparing Modules

Additional options are available to compare modules by ignoring blank lines and comments. This is in addition to ignoring differences due to case or indentations. These options are now available under Text Options:



New Text Comparison Options

When Ignore Comments is selected, any comment lines or comments at the end of a line are ignored and just the VBA code is compared.

Ignore Blank Lines and Comments when Comparing Two Blocks of Text

Similar to module comparison, you can also ignore blank lines and comments when comparing two blocks of text.

Exclude Properties from Comparison

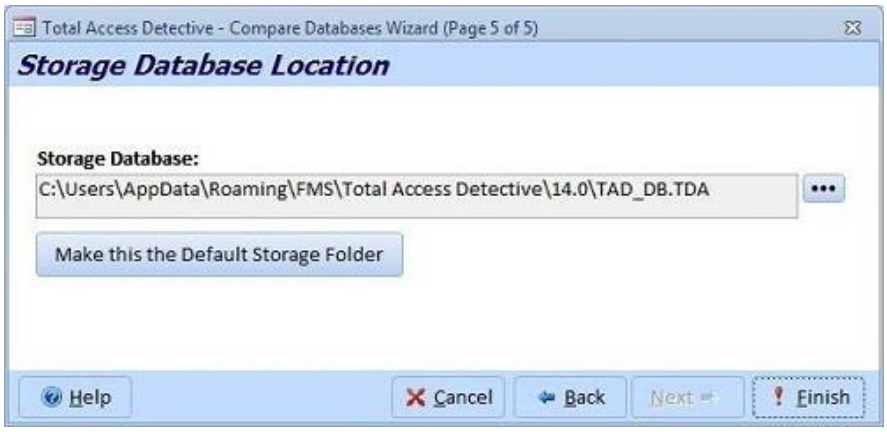
You now have the ability to exclude properties from the comparisons. For instance, if you don't care about the LastUpdated property of objects, you can exclude it from comparison. This is particularly useful when a property you don't care about is the only difference between objects.

Specify Storage Database Name for Database Comparisons

When comparing two databases, you can now specify the name of the database containing the results. This lets you keep an unlimited number of database comparison results. You can specify the database name on the last page of the wizard. If the name already exists, information on what it contains is displayed.

Specify Storage Folder

By default, Total Access Detective saves its files in a user folder. You can now change this location to another folder when you specify the storage folder for the results.



Specify Where to Store the Database Comparison Results

Viewing Different Database Comparisons

From the main screen when viewing the results of database comparisons, a new button to open the documentation is available. Easily retrieve a previously saved result. This lets you keep and manage multiple copies of the database comparison results.

Command Line Can Specify Storage Database Name

When invoking Total Access Detective from a command line to compare two databases, you can now add an additional parameter specifying the storage database name. This lets you automate the generation of multiple database comparisons.

Improved Ease of Use

Two Database Comparison Retains Previous Results

Previously, if you were running the two database comparison and selected two databases, the existing results were no longer available. This is now separated so the results are available until you overwrite them.

Two Database Comparison Does Not Select System Tables

If your database object list has System Objects turned on, the system objects are listed for selection. Previously, all objects were automatically selected for comparison. Now, the system tables are not selected.

Two Database Comparison Exports Data to another Database

When performing text comparisons in the two database comparison feature, you can now export the results to another database.

Reports List is Full Screen with More Information

The display of available reports is full screen with a description of each report to make it easier to understand and select.

Manage User Access Control Rights

Total Access Detective respects your login rights. By default, it is installed in your user folder, it updates registry settings in your user section and anticipates the issues around user access control and trusted folders.

Version 12 for Access 2007 and ACCDB Databases

Total Access Detective 2007, version 12, runs in Microsoft Access 2007 and compares all database formats supported by Access 2007 including MDBs, ADPs, and the new ACCDB database format.

New Microsoft Access 2007 Properties

Access 2007 introduced many new features which are now compared.

Improved Two ADP Comparison

To compare properties of ADP objects that do not exist in MDB/ACCDB objects, a different startup database is used. Instead of running the TADETECT.ACCDB database, run the TADETECT.ADP file.

Two Table Comparison in ADPs

Tables in ADPs can be compared structurally including extended properties and indexes. Data can also be compared with combined results created in a new table.

New Table Data Comparison Options

Previously, data was only compared if the two tables had identical field definitions. There are now several options to compare tables:

- Compare fields by order regardless of field names
- Compare identical field names regardless of order
- Treat the first field of non-keyed tables as unique
- Ignore small differences between numbers (you set the level)

For more information on the **Data Comparison Options**, see page 32.

Data Comparison Results

When viewing the results of Data Comparison, the caption for the row column is # rather than ID, to avoid confusion if ID is a field in the tables being compared.

Table Comparison with Field by Field Results

Previously, during data comparison, modified records were only displayed as individual records listing the modified fields in one record. This is now supplemented with an additional table listing each field difference as a separate record showing the two values.

Query Data Comparison

Data from two queries can now be compared with an option to specify whether to perform a sequential search or use the first field as a key field.

Case Insensitive Module Comparison

For module comparisons, a new Ignore Case option is available to avoid flagging differences due to mismatched capital and lower case letters. This option is also available for the Text Comparison feature.

Support for Password Protected Databases

Objects in password protected databases are compared.

Report Enhancements

- In addition to Preview, in Access 2007, reports can be opened in Report View so you can interactively filter and search the data.
- Reports can be exported to Adobe PDF and XPS formats
- Multiple reports can be exported to files in a folder and format you specify (e.g. PDF, XPS, HTML, snapshot, etc.)
- A single report selection screen is used to select the reports for print, preview, report view, and export.

New Reports for Two Database Comparison

Many new reports were added:

- Data Differences Fields Compared: shows the fields compared when an option other than identical structures is used
- Table Data Comparison Paired Fields: shows paired field values
- Portrait and Landscape reports for object comparison with better support for long object names and property values
- When viewing object differences, reports are available for the entire list or just the currently filtered list
- When viewing macro or module differences, reports are available for the entire list or just the current macro/module.
- List of available reports with their description and default file name when you export it

Several reports were enhanced including:

- Data Differences Summary now shows the total number of records, in addition to the new and modified number of records

New Reports for Two Object Comparison

- Portrait and Landscape reports are available to show object property differences. The reports are improved to better show long object names and property values

- Fields Compared for Data Differences: shows the fields compared when an option other than identical structures is used
- Field Differences of Modified Records: shows paired field values

General Comparison Enhancements

Screen flashing is eliminated when comparing forms, reports, and modules. This lets you minimize Total Access Detective while it's processing.

Two Object Comparison Enhancements

Separate Table Object and Data Comparison

When comparing two tables, you can compare either the table design or data, or both. Previously, the design was always compared.

Last Documentation is Available

The last comparison of two objects can be viewed under a new Last Analysis button. Similarly, the last selected object names are preserved when you run Total Access Detective again.

Partial Comparison Results

If you cancel while the objects are being compared, the process stops and the incomplete results displayed. This can be particularly helpful when comparing records and you decide to stop after it identifies a few differences and you don't need all the differences.

Two Database Comparison Enhancements

Reduced Need to Prepare Databases for Two Database Comparison

Previously, the Total Access Detective Prepare step was necessary before comparing modules between two databases. This is no longer needed when comparing MDB/ACCDB databases. Prepare is still required for ADPs.

Finish Button Eliminates Manual Selections

The Database Comparison wizard has a Finish button on all its pages. Simply select the two databases and press Finish to compare all the identically names objects. It skips the Wizard pages for the options, and uses the previously specified values.

Command Line Support

To eliminate manually selecting the database and options, a Windows shortcut can pass the names of the two databases to compare, which automatically selects all the common objects and compares them.

Text Comparison Feature Added

The text comparison feature which was previously only available under the two object comparison feature, is now available on the two database comparison side as well.

Improved User Interface

- With Access 2007, the user interface is enhanced to support new features such as maximized tabbed views, transparent buttons with graphics, filtered datasheet views, navigation bar captions, colors, fonts, etc.
- Two object comparison now shows the object and other differences (data or modules) as separate tabs

Vista and User Security Support

- Total Access Detective is compatible with Vista and the new User Access Control features.
- Temporary files are placed in your user folder rather than the Total Access Detective folder
- The Help file is in the new CHM format rather than HLP format.

Version 9.7, 10.7, and 11.7 Updates

In conjunction with the release of Version 12.0 for Access 2007, updates were released to offer similar features for Access 2000 (version 9.7), 2002 (version 10.7), and 2003 (version 11.7).

Version 11 for Access 2003

Version 11 for Access 2003 includes many new features including:

- Ability to combine data differences from two tables into a new table.
- Comparison of Access Data Projects
- Export of database comparison results to another database
- Relationship comparison
- Several additional reports, including:
  - Database Comparison Summary
  - Objects with Differences
  - Data Differences Summary
  - Identical Objects in Both Databases

Version 9.5 and 10.5 Updates

In conjunction with the enhancements added to version 11 for Access 2003, updates were released to offer similar features for Access 2002 (version 10.5) and Access 2000 (version 9.5).

Version 10 for Access 2002

Version 10 supported Access 2002. It added simplified selection of modified objects, data differences options for memo fields, and more accurate comparison of numeric fields.

Version 9 for Access 2000

Version 9 was created for Access 2000. It added the Text Comparison feature and support for Data Access Pages.

Version 8 for Access 97

Version 8 was created for Access 97.

Version 2 for Access 2.0

The first version was created for Access 2.0.

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Links to Other Development Sites

Jump to other locations, including forums, user groups, and other sites with news, techniques, and related services from our web site.

Chapter 2: Installation and Startup

Total Access Detective comes with an automated setup program to get you up and running as quickly as possible. This chapter describes the system requirements, installation steps, instructions for upgrading from previous versions, and instructions for uninstalling. It also provides instructions for international users, and tips for troubleshooting startup errors.

Topics in this Chapter

System Requirements

Total Access Detective is a Microsoft Access library database that runs within Access. Its system requirements are similar to the requirements of Microsoft Access, and include:

- A copy of the Microsoft Access version corresponding to the Total Access Detective version.
- Hardware and operating system supported by Microsoft Access.
- 20 MB free disk space to install the product, and additional disk space to store your documentation.

Total Access Detective can only be opened through its associated version of Access, and will work with database formats supported by the specific version of Access.

Upgrading from Previous Versions

Just as multiple versions of Access can reside on the same machine, multiple versions of Total Access Detective can exist on the same machine provided that they are installed in separate directories.

Each version of Total Access Detective is a completely separate program and does not share any files with other versions. If you are no longer using any previous versions of Microsoft Access, you can remove the older version of Total Access Detective from your machine. See **Uninstalling Total Access Detective** on page 23 for details.

Installing Total Access Detective

Total Access Detective is installed using an automated setup program. To install Total Access Detective, follow these steps:

1. Locate and run the setup program.
2. When prompted, enter your registration information and product key (serial number).
3. Specify the destination folder for the files.
4. Be sure to read the readme file for any late breaking news that is not included in the manual or help file.

Where to Install Total Access Detective

For best performance, install Total Access Detective on a local hard drive. Installing to a network drive may cause slower performance.

Total Access Detective is an Access add-in which needs to modify itself to link to different tables, databases, etc. Be sure to install it to a folder where you have full read/write permissions.

Do NOT install it in the C:\Program Files folder which Windows User Access Control (UAC) normally sets to READONLY after installation.

Using the Update Wizard

Total Access Detective includes a built-in mechanism to check the availability of updates via the Internet. If you have an active Internet connection, you can use the Total Access Detective Update Wizard to ensure that you have the latest version.

To run this program, select Programs, FMS, Total Access Detective, Update Wizard from the Windows Start menu. Follow the prompts on the form to check for the latest update.

Uninstalling Total Access Detective

Total Access Detective follows standard Windows installation protocol, so uninstalling is straightforward. From the Windows Start Menu, select Control Panel, then:

Windows 7 or later

1. Open Programs and Features
2. Select Total Access Detective from the list of installed programs
3. Click on Uninstall

Windows Vista

1. Select Uninstall a Program (in Programs section)
2. Select FMS Total Access Detective from the list of installed programs
3. Click on Uninstall/Change

Windows XP

1. Select Add/Remove Programs
2. Select FMS Total Access Detective from the list

3. Press the Change/Remove button
4. Follow the prompts to uninstall.

If you prepared databases with Total Access Detective (as explained on page 58), a *.DDB, *.DDE, or *.DDA file is created for each database. This file is stored in the same folder as your database. Use the Windows Search feature to locate these files, and remove them if desired.

Running Total Access Detective

Total Access Detective runs from within Microsoft Access. If you are familiar with Microsoft Access, you will be very comfortable using Total Access Detective.

Total Access Detective performs comparison in two modes:

- Comparison of two objects within one database (described in Chapter 3: Comparing Two Objects in One Database)
- Comparison of objects between two databases (described in Chapter 4: Comparing Objects in Two Databases)

How Total Access Detective is invoked depends on the comparison mode:

- For comparing objects in one database, open your database and select **Total Access Detective** from the Database Tools ribbon Add-ins menu (in Access 2007 or later), or from the Tools, Add-ins menu (in Access 2003 or earlier).
- To compare two databases, launch **Total Access Detective Database Compare** from the Windows Start menu.
- To compare two Access Data Projects (ADPs), select **Total Access Detective ADP Compare** from the Windows Start menu. ADPs are deprecated by Access 2013, so this is not available in the 2013 and later versions.

Comparing Databases on a Network

Total Access Detective allows you to compare databases residing on a network drive, but we recommend documenting local copies of these databases for two reasons:

1. When you compare a database, you don't want other users opening or changing objects. Total Access Detective cannot compare objects that are opened or locked by others.
2. Performance over a network is substantially slower than a local drive. Total Access Detective is a disk-intensive program—it may need to open objects in design view and read properties and/or

compare data records. Because of this, running across a network connection may cause slower performance and may affect other users on the network.

Comparing Access Data Projects

Total Access Detective can compare native Access objects in Access Data Projects (ADPs and ADEs), including: forms, reports, pages, macros, modules, and command bars. It cannot, however, compare objects that exist in SQL Server, such as tables, views, and diagrams. When comparing ADPs, you must run the Total Access Detective Prepare process on each ADP. ADPs were deprecated by Access 2013, so this is not available in the 2013 and later versions.

Comparing Password-Protected Databases

When comparing two objects in the same database, Total Access Detective can compare all object types, regardless of whether the database is protected by a password.

When comparing two databases, simply provide the password for each and all their objects can be compared.

Comparing Databases with Workgroup Security

Total Access Detective can run database comparison on databases with Workgroup security provided that:

1. Both databases use the same workgroup security file (*.MDW).
2. The user group has open/run permissions for the database (not necessary for specific objects, just needed at the database level).
3. The databases are not set to "Read Only".

Follow these steps to compare two secured databases:

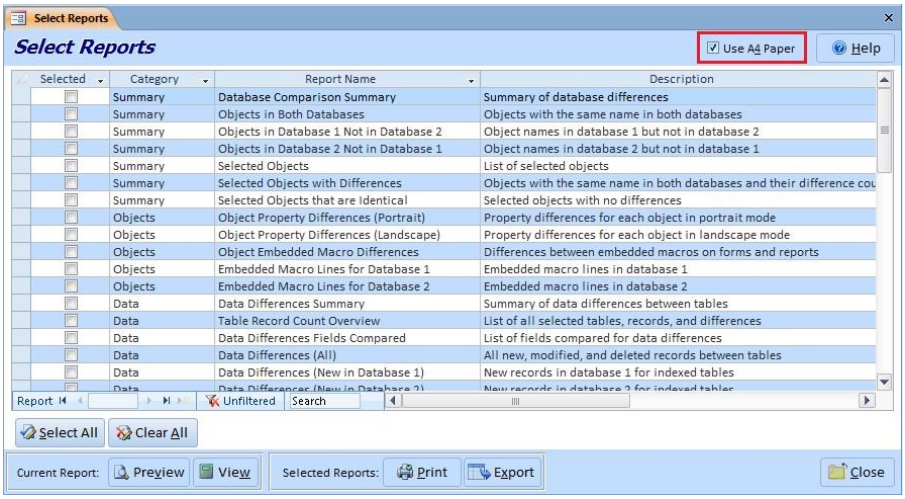
1. Start Access with your Workgroup Security settings.
2. Open TADetect.accdb (or TADetect.mdb version 2003 or earlier), which is located in Total Access Detective's installation folder.

Instructions for International Users

Total Access Detective automatically detects international versions of Access and adjusts its behavior accordingly. The program's documentation, forms, and help file are in English, but the property values it detects are displayed in your Access version's local language.

Printing Reports on A4 Paper

By default, the reports in Total Access Detective are set for US Letter size; however, you can use A4 paper instead. This option is accessible from any report dialog box:



Reports Dialog Box with A4 Paper Option

Startup Errors

Most errors with Total Access Detective occur when you first start it. This section explains the most common startup errors and offers suggestions on how to fix them.

Microsoft Access cannot find Wizard, or there is a syntax error in the Declarations section of a Visual Basic module

Microsoft Access uses the registry to store information about add-ins. The setup program places several entries in the Windows Registry to identify the location and name of the Total Access Detective library database, and the name of the main Total Access Detective function. If these registry entries are incorrect, or if the Total Access Detective installation is corrupt, this error message appears.

Re-install Total Access Detective to resolve this problem.

The current database is not updateable

You have opened the current database in read-only mode, or another condition has forced the database to be read-only. Total Access Detective cannot analyze a database opened in read-only mode. Close the database, open it in normal mode, and restart Total Access Detective.

Please close any forms or reports that are open and re-start Total Access Detective

You must close all forms, reports, and modules in your database before running Total Access Detective. Open forms, reports, and modules interfere with the operation of Total Access Detective. Close all windows except the database window and restart Total Access Detective.

This copy of Total Access Detective is in use

Total Access Detective can be installed on a network drive but can only be accessed by one user at a time. If more than one user attempts to start Total Access Detective at the same time, the second user sees a dialog box saying the copy of Total Access Detective is already in use.

This message also appears if you attempt to run Total Access Detective in two instances of Access on the same workstation. Click [OK] to return to Microsoft Access and try again later.

Total Access Detective exclusively locks the database to ensure that only one user is accessing it at one time. If Microsoft Access exits abnormally while Total Access Detective is running, an LDB lock file may be left in place, and may erroneously report that Total Access Detective is in use. If this happens, you should manually delete the lock file by following these steps:

1. Ensure that no other users are running Total Access Detective. This step is very important. If you manually delete the lock file while a user is running Total Access Detective, you may cause that user's system to crash.
2. Close all instances of Microsoft Access on your workstation.
3. From Windows Explorer, locate the folder where Total Access Detective is installed. Locate and delete the lock file (TAD_C.LDB).
4. Restart Microsoft Access, and run Total Access Detective again.

Chapter 3: Comparing Two Objects in One Database

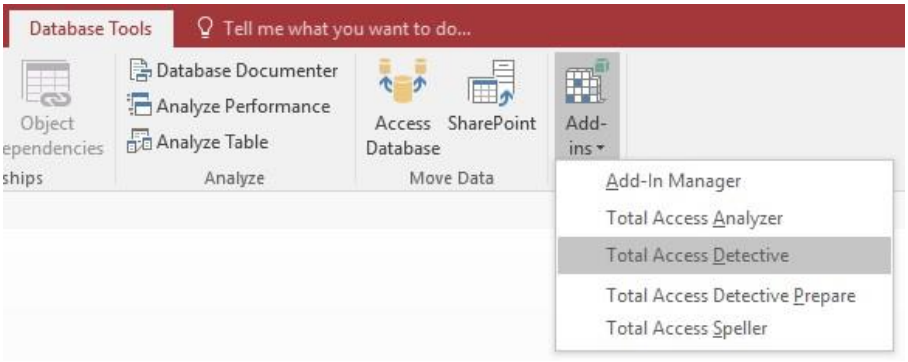
Total Access Detective's Object Comparison feature finds all differences between any two objects in one database. This chapter explains how to use the Object Comparison feature to quickly see the differences in properties, fields, controls, macro lines, module lines, import export specifications, command bars, and data.

Topics in this Chapter

Comparison Wizard

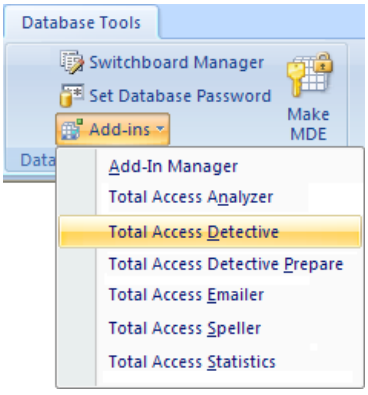
Starting the Comparison Wizard

Open the database containing the objects to compare, and launch Total Access Detective from the Add-ins menu. In Access 2007 or later, open Total Access Detective from the Database Tools ribbon, Add-ins menu.

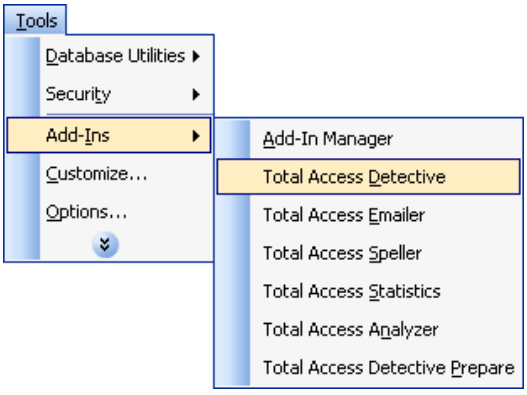


Microsoft Access 2016 Add-ins Menu for Launching Total Access Detective

In Access 2003 and earlier, open it from the Tools, Add-Ins menu.



Microsoft Access 2007Menu



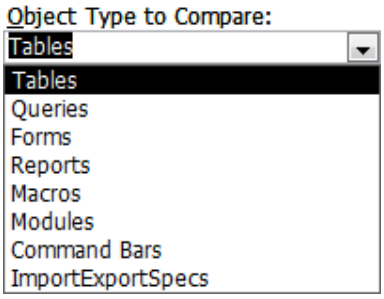
Microsoft Access 2003 (and Earlier) Menu

The *Total Access Detective Prepare* menu item is for Database Comparisons and is described on page 58.

When you select Total Access Detective from the Add-ins menu, the Comparison Wizard appears:

Comparison Wizard Main Form

Selecting Objects for Comparison



Select the object type from the drop down list box.

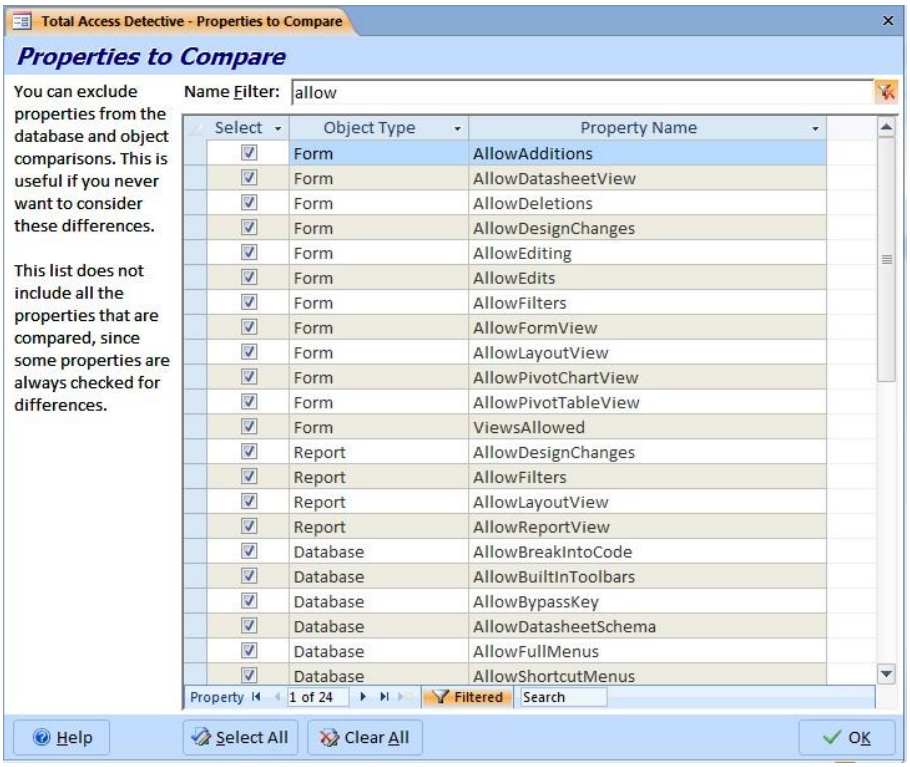
Then, specify the names of the two objects to compare, set comparison options, and click [Run].

Permissions

In order to compare objects, Total Access Detective needs to open them in design mode. For Total Access Detective to do this, you must have Read Design permission on the objects you are comparing.

Property Selection

By default, all Access properties that could indicate differences are compared. The Property Selection button lets you reduce this by unselecting properties you may not care about. For instance, you may not care about the DateCreated property for the objects. By removing this, you eliminate flagging objects that are different solely based on this property.

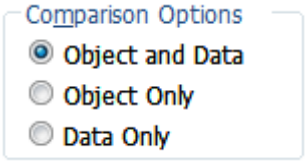


Property Selection Screen

The properties are organized by Object Type. Unselect the properties you don't want to compare. Press the Select All button to reset the selections.

Table and Query Comparison Options

When comparing tables and queries, you can compare the objects (fields, indexes, and properties), table data, or both:

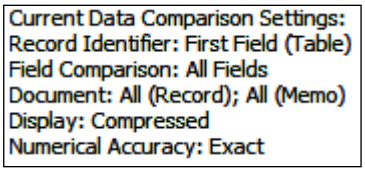


Data comparison can take a significant amount of time for tables with many fields and records. For best results, compare databases on your desktop rather than across a network.

Data Comparison

Data Comparison identifies records that are new, deleted, or modified. When viewing the results, you can also combine the data from the two data sources into a new table.

In addition to comparing data with identical fields, tables with similar structures, different field names, and different field order can be compared. Options also customize the way results are displayed. An overview of the selected options shows on the main screen:



Data Options Overview

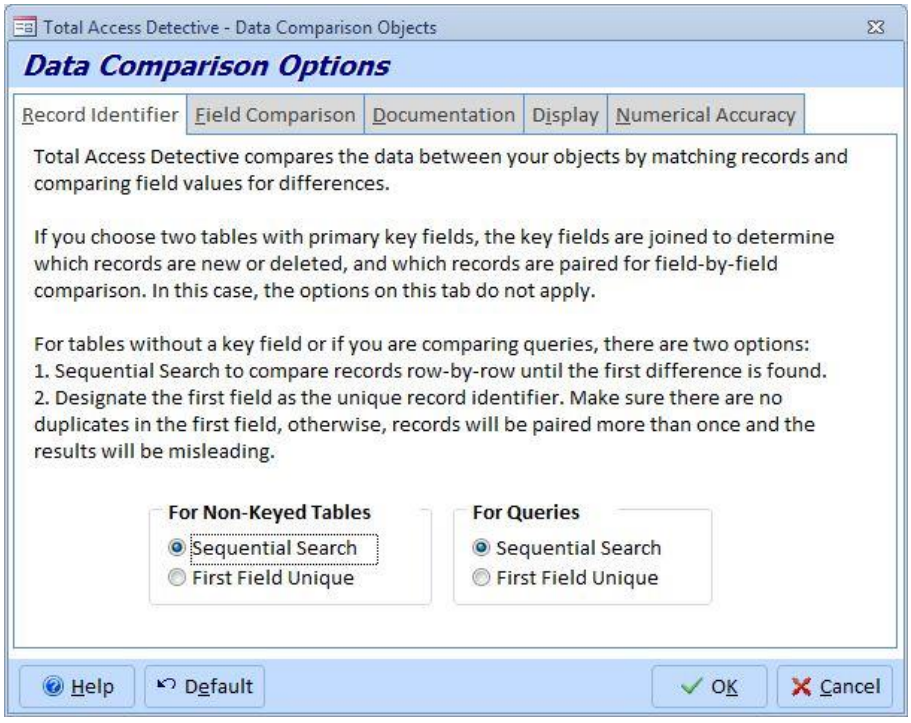
Click the Data Options button to open the Data Comparison Options form.

Data Comparison Options

When comparing data between tables or queries, several options are available to let you control how the comparisons are made and the results.

Record Identifier

The Record Identifier tab displays options for comparing queries and tables that do not have a primary key:



Data Comparison Options, Record Identifier

For tables with a primary key, the key fields are used to match up rows for comparison, and the options on this tab do not apply.

For tables without a primary key or queries, you can compare the rows sequentially, or specify that the first field in is the "identifier" (uniquely identifies the row). For example, if you're comparing these two queries:

ID	First	Last
1	Nancy	Davolio
2	Andrew	Fuller
3	Janet	Leverling

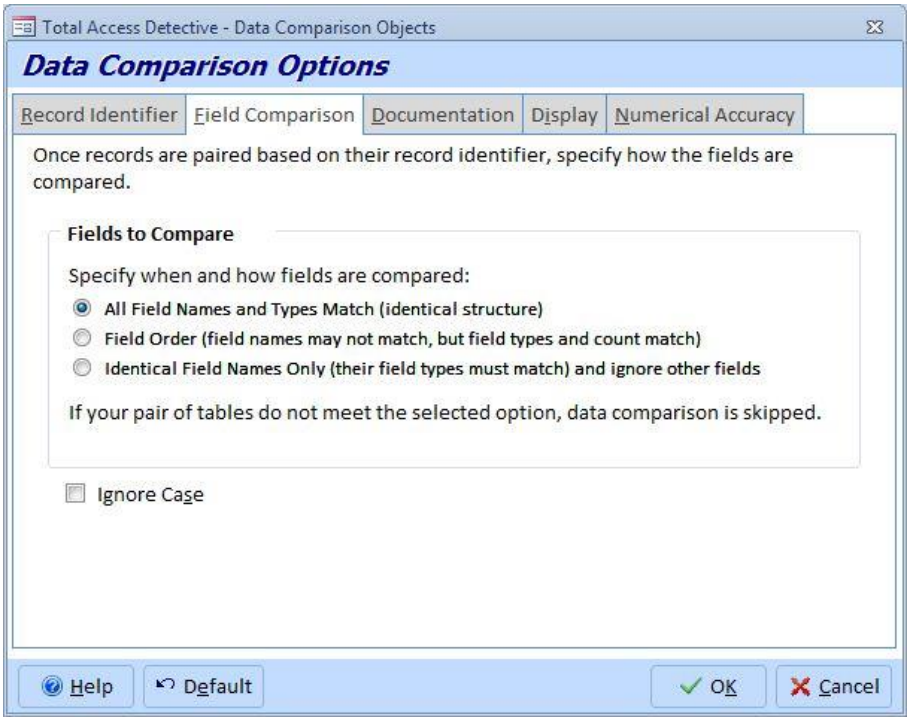
ID	First	Last
1	Nancy	Davolio
3	Janet	Leverling
2	Andy	Fuller

Comparing the fields sequentially reports that the second record is completely different—none of the fields match. Total Access Detective does not continue comparing data after the first difference is found.

Designating the first field as unique, on the other hand, reports the difference in ID 2: "Andrew" does not match "Andy." Since a unique identifier is found, Total Access Detective continues comparing the rest of the data in the table.

Field Comparison

The Field Comparison tab includes options for how the fields are compared:



Data Comparison Options, Field Comparison

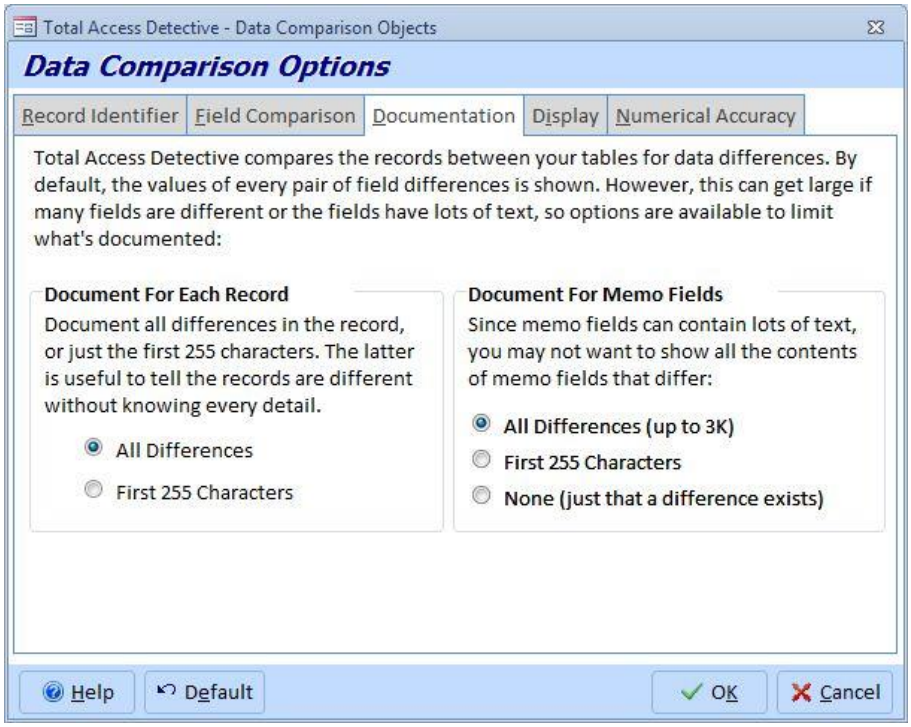
- **All Field Names and Types Match:** Tables or queries have the same field names and structure (column count and data types).
- **Field Order:** Table structures match, but field names differ between the two tables or queries.

- **Identical Field Names Only:** Field names and data types match, but column count and/or order is different. Choosing this option compares identically named fields, and skips fields that are not in both tables.

Note that only fields with the same data types can be compared, i.e. a Text field cannot be compared to a Number field.

Documentation

The Documentation tab specifies what to display when differences are detected between records. Decide whether to show all differences for a record, or to limit the differences that are shown:



Data Comparison Options, Documentation

Limit the Amount of Differences to Document

By default, all the differences between two records are shown listing the values of every field that differs. This can be quite extensive, especially if you have large text or memo fields.

You can limit what's documented with the "First 255 Characters" option. This truncates the record difference to the first 255 characters. This is useful, if you simply want to know a record was modified regardless of every field modification.

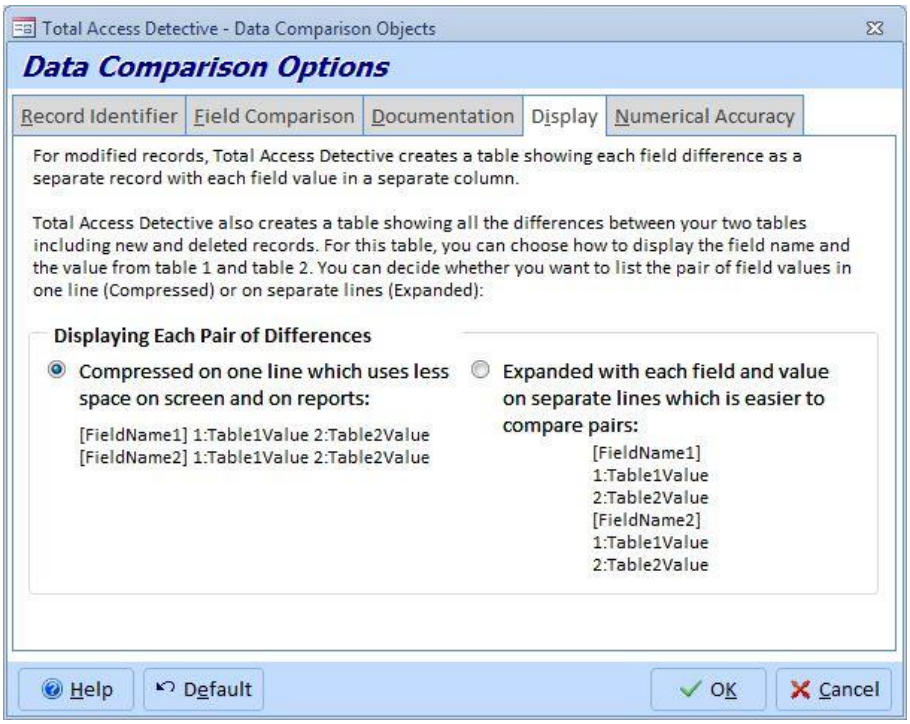
Limit Memo Fields Differences

For large memo fields, the results can be very large when different memo field values are documented. Choose whether to show all differences up to

3K, show only the first 255 characters, or to only show that a difference exists (for example, 1: Memo 2: Memo).

Display

The Display tab controls how data differences are displayed:



Data Comparison Options, Display

Compressed Display

Select Compressed to save space and show each field's difference on one line. This compact format shows the field values side-by-side.

In this example, differences are found for two fields named FirstName and ZipCode, and the values for the two tables (1 and 2):

```
[FirstName] 1:John 2:Jon
[ZipCode] 1:22182 2:22102
```

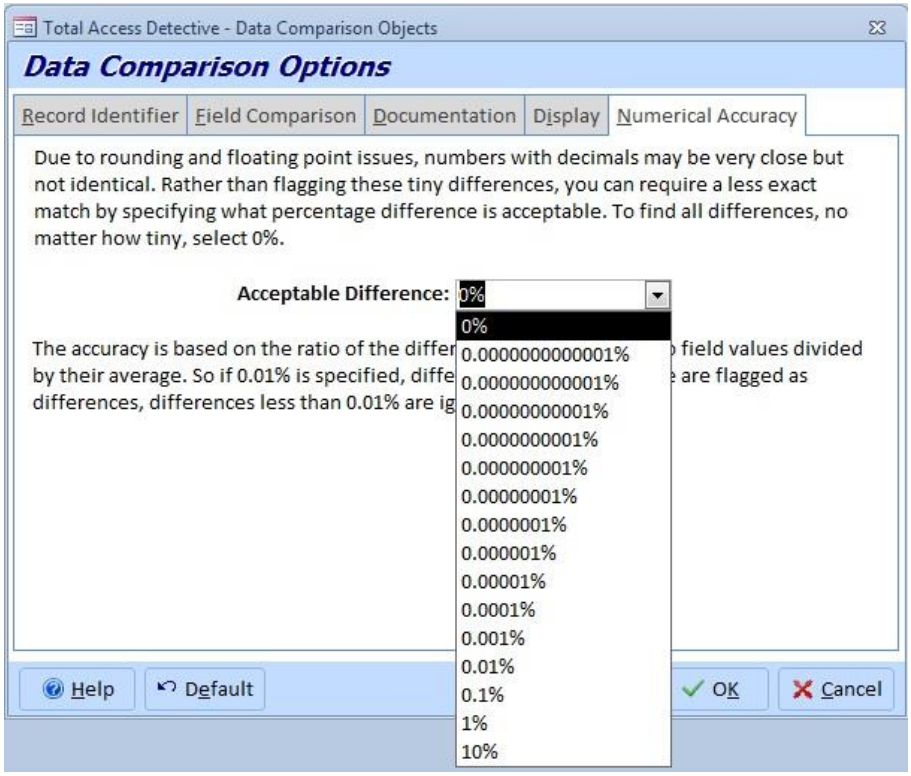
Expanded Display

However, this can be difficult to see the actual difference, especially with large text or numbers. With the Expanded option, each field value is on a separate line. With the pair of field values stacked, it's easier to see differences:

```
[FirstName]
1:John
2:Jon
[ZipCode]
1:22182
2:22102
```

Numerical Accuracy

The Numerical Accuracy tab includes options for comparing numbers:



Data Comparison Options, Numerical Accuracy

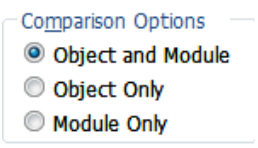
By default, any difference between numbers is considered a difference that's documented. However, due to rounding and floating point issues, numbers with decimals may be very close but not identical. Flagging these differences may not be helpful, or you may not care about such tiny differences.

This option allows you to set an acceptable difference, based on the ratio of the difference to the field values. Select an acceptable difference between 0% (fields must match exactly) and 10% (numbers can be up to 10% different, and still considered identical).

The % difference is calculated by dividing the difference in the two values by their average.

Form and Report Comparison Options

When comparing forms and reports, choose to compare the objects (controls, sections, and properties), the modules behind the objects, or both.



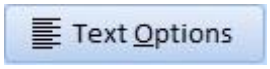
If you compare Modules, there are additional comparison options to select the number of identical lines needed to resynchronize, and whether differences in blank lines, capitalization, comments or indentations should be considered changes. Details about these options are provided in the Module Comparison section.

Comparing Embedded Macros

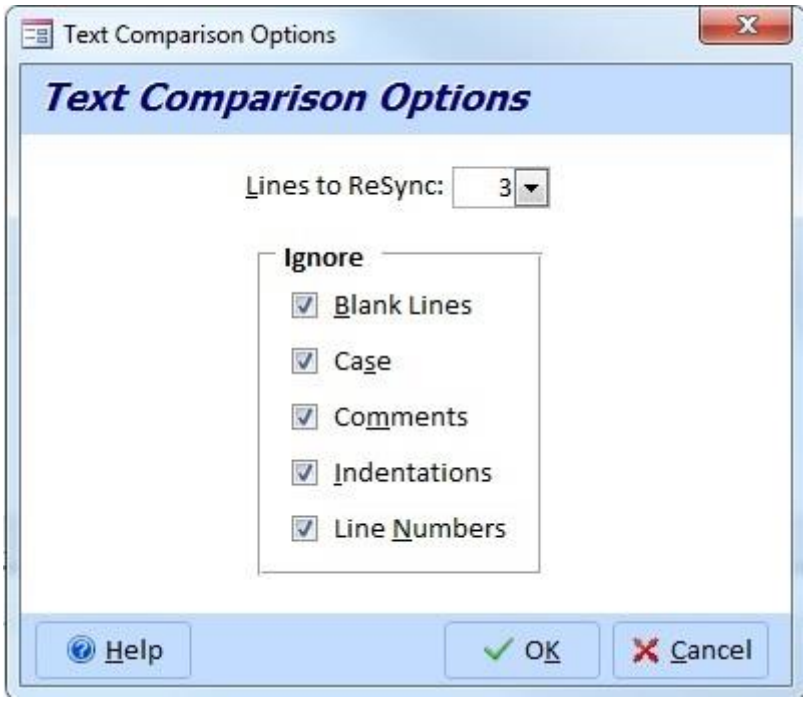
Embedded Macros were introduced with Microsoft Access 2007. They can be added as events at the form or report level or for individual controls. Total Access Detective has a macro parser that compares the differences between embedded macros to identify differences at the command by command level. Rather than simply reporting that two embedded macros are different, Total Access Detective can identify changes in arguments and comments, adding or deleting commands, etc.

Embedded macro comparisons also respect your selection of Module Comparison options such as ignoring comments.

Text Comparison Options

The Text Comparison button 

lets you specify several options for customizing how modules and macros are compared:



Module Comparison Options

# of Lines to Resync

Total Access Detective compares module procedures on a line-by-line basis, and determines whether differences are due to modified or new lines. If it detects new lines, Total Access Detective shows the new lines from one module plus the line where the code is resynchronized between the two modules. The lines that follow in both modules are not considered different even though they are on different lines.

Total Access Detective defines this resynchronization based on a repetition of identical lines in both modules. By default, this value is 3 lines. That is, when three identical lines are encountered in both modules, the prior lines' differences are documented and the code is resynchronized.

You can increase or decrease this setting if the resynchronization is incorrect. If the value is too low, small amounts of code within an added group cause resynchronization. If the value is too high, groups do not get resynchronized. We recommend using the default value; we have found 3 lines to work well.

Module Code to Ignore

There are four options for ignoring module code that may be slightly different:

- Blank Lines
- Case
- Comments
- Indentations

- Line Numbers

Ignore Blank Lines

This option lets you ignore differences due to blank lines. If a procedure has more or less blank lines than another, they are not considered different.

Ignore Case

This lets you ignore differences due to capital and lower case letters. This is especially useful if you have code where the case of procedure or variable definitions is modified. Without this option, references to all those procedures or variables are flagged as differences.

However, with this option selected, case differences that you may want to find (e.g. messages displayed to the user) would be ignored.

Ignore Comments

This is a powerful option that lets you ignore differences in comments. The VBA code parser identifies comments on their own lines, multiple lines, or the end of lines and ignores any differences between procedures due to comments. The only differences will be changes to the actual VBA code.

Ignore Indentations

This avoids flagging lines where the text is identical but the indentation is not. Checking this option ignores differences due to spaces or tabs at the beginning of a line of code.

This option is particularly important if new control blocks are added. For instance, you may have added an IF…END IF statement around existing code and indented the block. With this option on, only the IF and END IF lines are considered different. With the option off, every line in the block is flagged as different because of the indentation.

Regardless of this setting, all blank lines at the beginning or end of a module or procedure are ignored.

Ignore Line Numbers

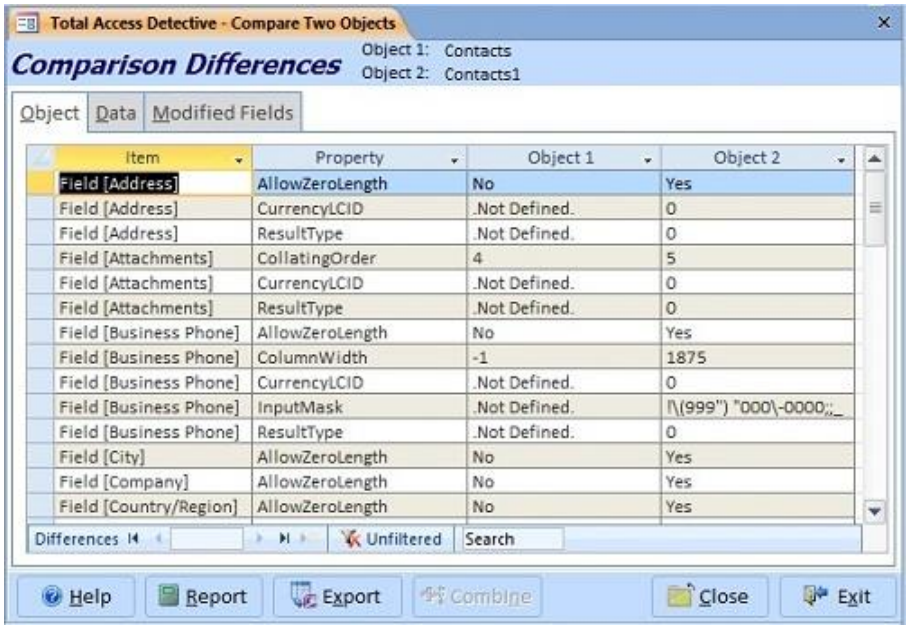
This option lets you ignore the line numbers in the VBA code. Developers often add line numbers so error handling can pinpoint the line where a crash occurs. Our Total Visual CodeTools product lets you do that easily.

However, when comparing modules, one may have line numbers and the other not, or the line numbers may be different even though the VBA code that's numbered hasn't changed. With this option, the line numbers can be ignored in the comparison so that only the difference with the actual VBA code is shown.

Property Comparison Results

When you click [Run], Total Access Detective compares the two objects and finds their differences. If property comparison was conducted on the objects, their differences are shown on the Object tab. The list of properties that are compared can be reduced from the [Property Selection] button. See **Property Selection** on page 30 for more details.

Each difference is displayed as a separate record. The list shows the item and property name, along with the property values for Object 1 and Object 2. Each object contains many items (fields, controls, etc.), each with many properties. If an item exists in one object and not the other, it is listed as "*.Not Defined*" in the object's column where it does not exist. For identically named items, each property is compared and those with different values are shown.



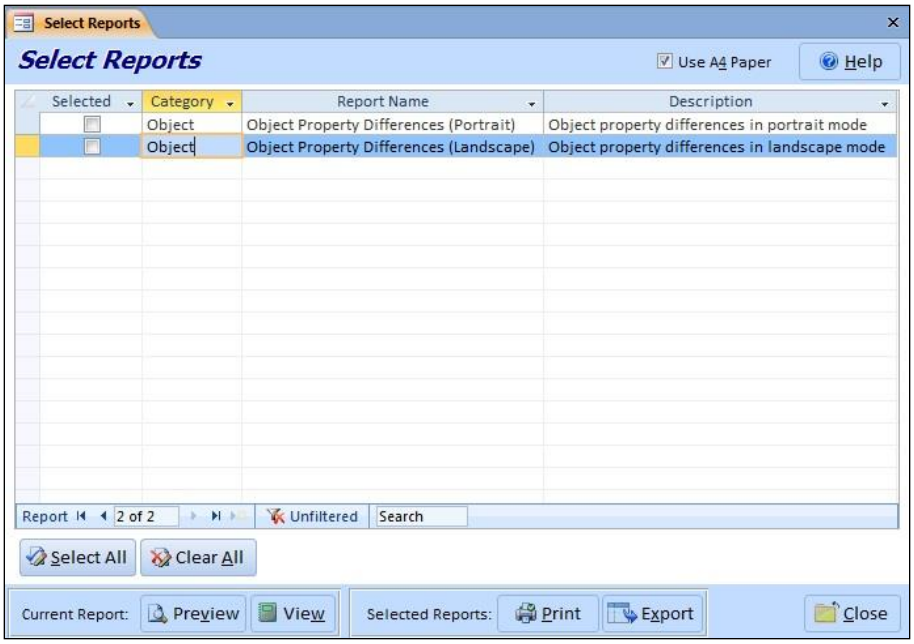
Property Comparison Results

These options are available on the Results form for Object differences:

Button	Description
Report	Select reports to print, preview, report view, and export.
Export	Export results into a table in your database. See page 41.
Close	Return to the first screen (select objects).
Exit	Close Total Access Detective.

Report

The [Report] button opens a dialog with a list of available reports for your current view:



Select Reports Dialog

These options are available:

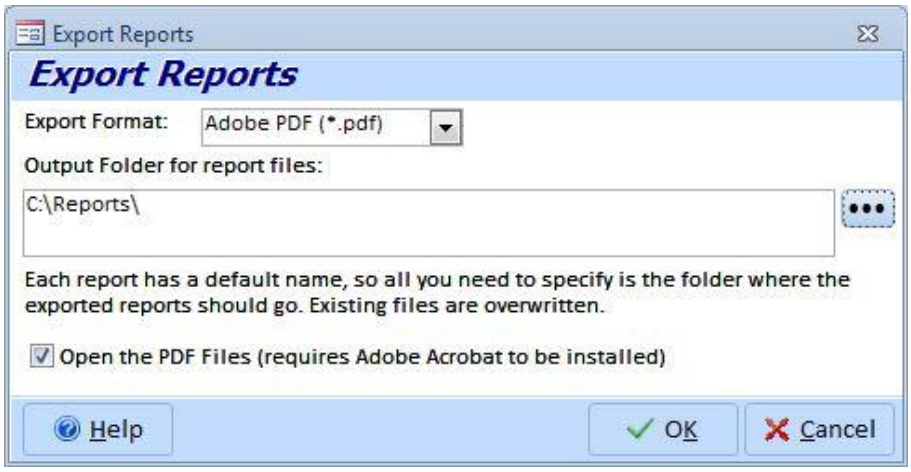
Button	Description
Preview	Preview the current report your cursor is on (it does not need to be selected).
View	Open the current report in Report View. Report View is not available in Access 2003 or earlier.
Print	Send the selected (checked) reports to the printer.
Export	Export the selected (checked) reports to a variety of formats in a folder you specify.

For the current report (the current report record), you can Preview it or put it into Report View.

For printing or exporting, select the reports you want by checking them, and press [Print] to send them to your default printer, or [Export] to send them to a destination and format you specify.

Report Export

You can select one or more reports to export to files by clicking the [Export] button:



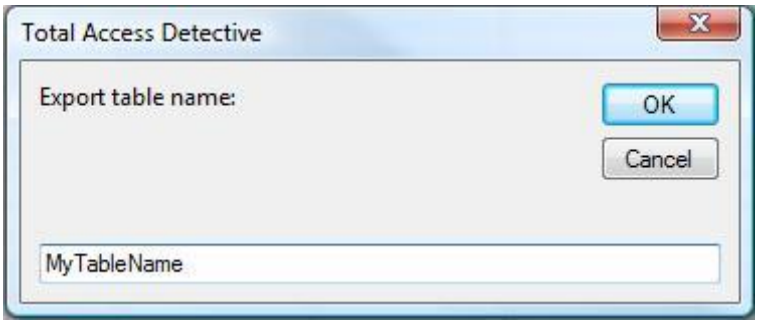
Export Reports to File

Specify the type of output and destination folder. The export formats include Adobe PDF, HTML, Snapshot, Text, rich text, and XPS. PDF and XPS formats are not available in Microsoft Access 2003 or earlier. Snapshot is not available in Access 2010 or later.

Click [OK] to generate the files. Each report has a default file name. If any of the files already exists, you are prompted to confirm overwriting them.

Exporting Data

Unlike the Export button when selecting reports, the [Export] button while viewing the results lets you to save the results to a table in your database:



Export Results to a Table in Your Database

Data Comparison Results

If you choose to compare data between your tables or queries, comparison results are show on the Data and Modified Fields tabs:

Table Results View Options

Data Tab

The Data tab shows all the data differences:

Data Differences

The following types of records are flagged:

- Records in table/query 1 but not table/query 2 (based on key fields)
- Records in table/query 2 but not table/query 1 (based on key fields)
- Modified records (identical key field values) with the fields with different values listed
- For unkeyed tables/queries, the first record that differs (further analysis cannot be performed)

The results include the following information:

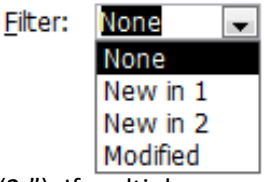
Fields	Description
Key Field(s)	The key field or fields that identify the record
Diff Type	The difference type (see below)
Differences	Description that the record is in one but not the other, or for modified records, values for each field difference
Num Diffs	The number of fields with different values
Diff Fields	The names of the fields that differ

The [Diff Type] field identifies how the record differs:

Diff Type	Description
1	The record exists in table/query 1 but not table/query 2.
2	The record exists in table/query 2 but not table/query 1.

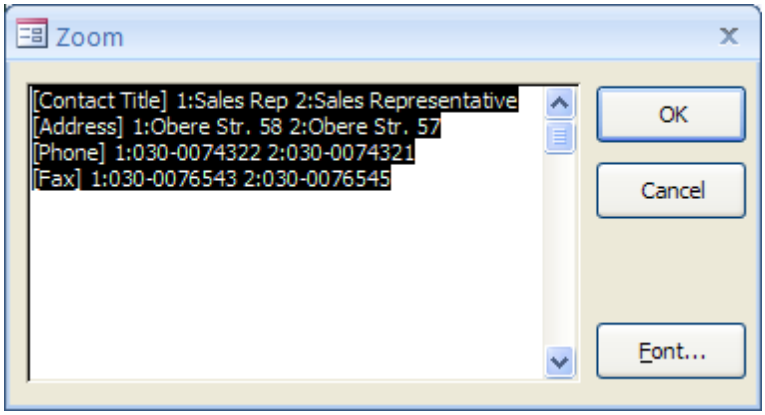
M	The record exists in both tables/queries and is modified.
N	Differences exist (for comparisons without a primary key).

Use the "Filter" drop down at the top of the form to limit the list by difference type:



For modified records, each field difference is shown with the field name in brackets ([ ]) and the values for table/query 1 and 2 listed after the number ("1:" or "2:"). If multiple fields are different, each difference is on a separate line.

To see more than the first two lines, expand the record's height or move to the field and press [Shift]+[F2] to zoom:



Zoom to See Contents of the Field

How the data differences are generated and displayed depend on the data comparison options you selected. For instance, if you selected the option to show only the first 255 characters, the text in the Differences column is truncated after 255 characters.

Modified Fields Tab

The Modified Fields tab shows the field by field difference for the records that were modified. It does not show new or deleted records (records in one table but not the other):

#	ID	Record Diff	Field Name	Table 1	Table 2
1	1	1	Business Phone	703-356-4700	7033564700
2	1	2	Fax Number	703-448-3861	Null
3	1	3	Address	8150 Leesburg Pike, Suite 600	8150 Leesburg Pike, Suite 1150
4	1	4	ZIP/Postal Code	22182	22182-2714
5	3	1	Country/Region	USA	Null
6	5	1	First Name	Swann	Swann-Renee
7	5	2	Job Title	Vice President	Executive Vice President
8	6	1	Job Title	Vice President	Executive Vice President
9	9	1	Last Name	James	Jim

Table Data Differences, Modified Records

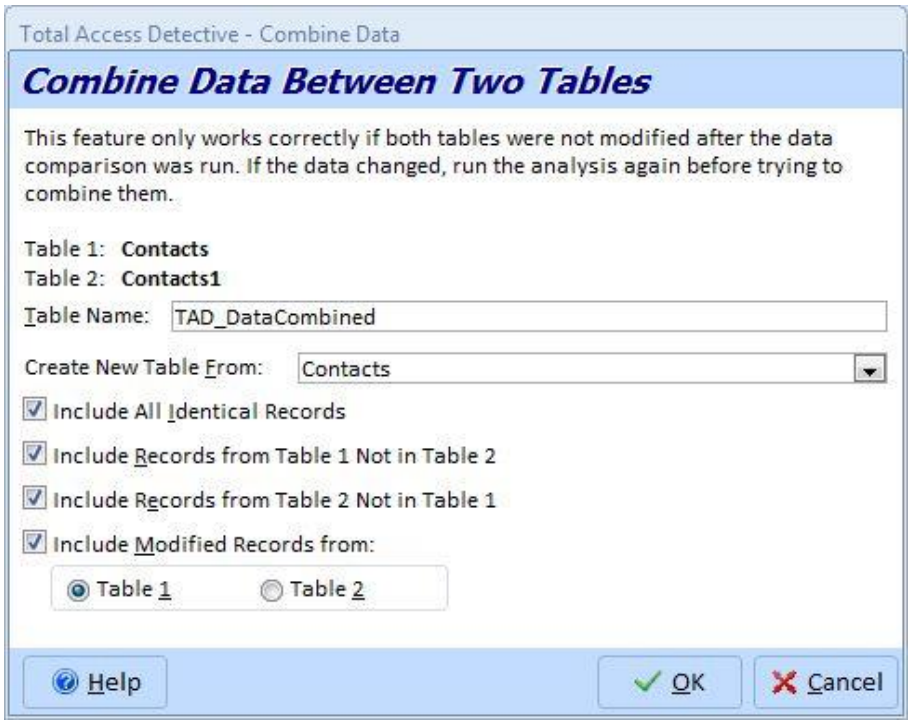
Result Options

The following options are available at the bottom of the form:

Button	Description
Report	Reports to print, preview, view and export.
Export	Export results into a table in your database. See page 41 for details.
Combine	Combine the data from the tables that you compared into a new table. See page 46 for details.
Close	Return to the first screen (select objects).
Exit	Close Total Access Detective.

Combining Data Between Two Tables

One of the most useful features of Total Access Detective is combining data between two data sources into a new table. Click the [Combine] button when viewing the data differences to display the Combine Data form:



Combine Table Data Form

Since it is not possible to determine modified records, data from tables and queries without a unique identifier cannot be combined.

These options are available:

Table Name

Specify the name of the table to create in the current database.

Create New Table From

Select the table to use for the combined table. If both tables' properties are identical, it doesn't matter which one you choose, but if they are different, you may prefer one over the other.

The rest of the options determine which records are included in the combined table:

Include All Identical Records

Select this option to include the identical records between the two compared tables.

Include Records from Table 1 Not in Table 2

Select this option to include records that are in Table 1, but not in Table 2.

Include Records from Table 2 Not in Table 1

Select this option to include records that are in Table 2, but not in Table 1.

Include Modified Records From

Select this option to include records that exist in both tables, but are modified. Then, specify which table's modified records you want in the combined table.

Use Caution If Data Changed Since Comparison

Total Access Detective does not store a copy of the data it compared, just the differences. When it combines the data from the two tables, it's using the current data in those sources to populate the new table and apply the modifications it found. If your data changed since the comparison, the results may not be what you expect. To avoid problems, run the data comparison again if your data was modified.

Macro and Module Comparison Results

Unlike other comparisons that list different property values, macro and module comparisons (including code behind forms and reports) show different lines of macro definitions or module code.

Module Procedures are Compared by Name

A module is composed of procedures and properties (the General Declarations section is treated as the first procedure). Total Access Detective understands VBA syntax and compares each procedure or property to its corresponding name in the other module. This means that their sort order does not matter, which makes Total Access Detective much more powerful than a simple text comparison program.

Macros are Compared by Sub-Macro Name

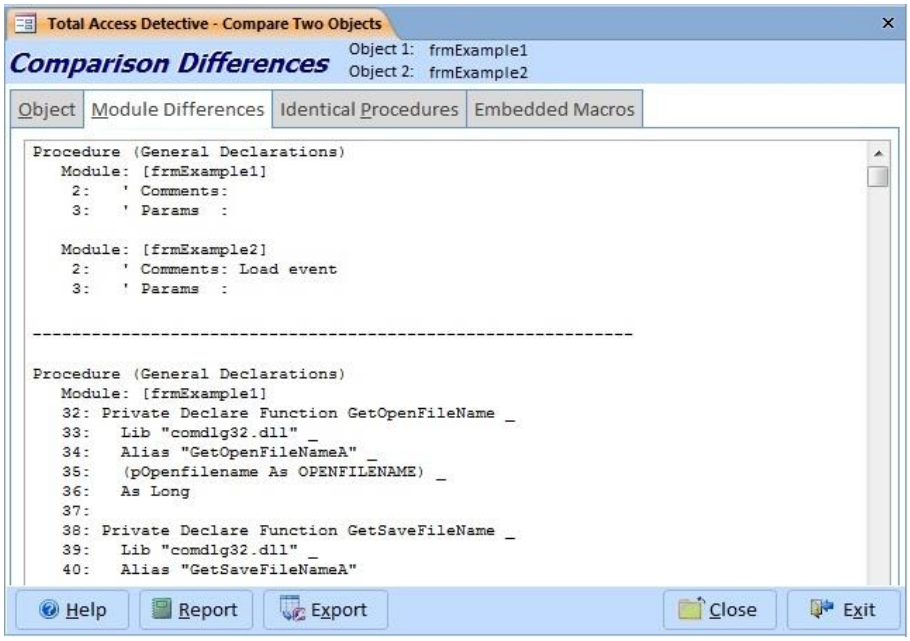
Most macros only contain one set of lines that run from start to finish. However, they may contain multiple sub-macros if macro names are assigned. Total Access Detective compares macros similar to the way it compares modules. Again, sort order doesn't matter—identically named macro names (sub-macros) are compared to each other, and those that exist in one, but not the other are flagged.

Object Match then Line-by-Line Comparisons

Total Access Detective flags procedures (or sub-macros) that exist in one module (macro) and not the other.

For identically named procedures and macros, Total Access Detective conducts a line-by-line comparison. When lines differ, the different lines in both objects are shown. If a resync occurs before the end of the procedure, the last line of each block is shown so you can see they are identical. This technique clearly reveals new, modified, and deleted lines of code.

For procedures with completely different code (an inability to resync), it tells you they are completely different rather than listing every line.



Module Comparison Results

For every difference, the procedure name is listed followed by each version of it in each module. Differences in the sort order of the procedures are not documented, since the order is not important.

The Identical Procedures tab lists all the procedures that had no differences.

The module and macro comparison results depend on the options that you selected. See page 37 for details.

Macro and Module Comparison Reports

Three sets of reports are available for module differences. Click [Report] to access these reports.

Macro and Module Differences Report

List of differences at the object level (procedure or sub-macro) and line-by-line level for identically named objects.

Source Code Reports

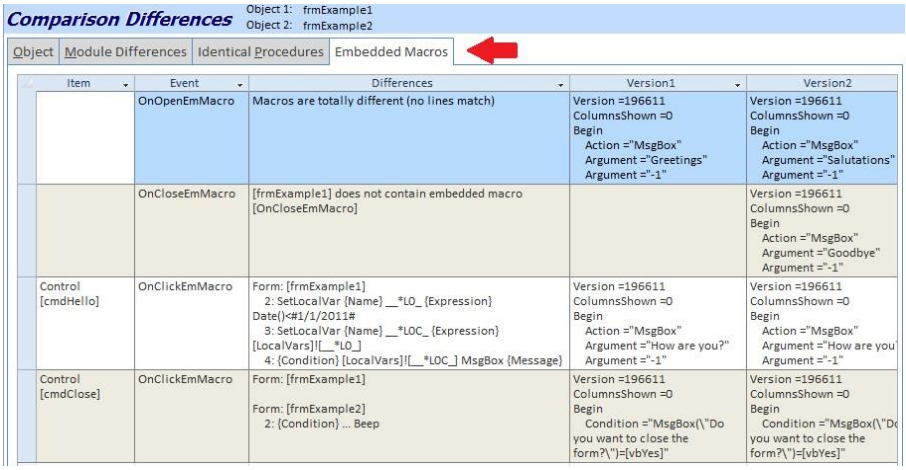
A listing of the source code for the entire macro or module. This includes line numbers (which restart for each submacro or procedure), and makes it easy to identify lines referenced in the Differences report.

Identical Procedures Report

The list of procedures with no differences is available. This list is not generated if the two modules are identical.

Embedded Macro Differences

For embedded macros on forms and reports, the differences are shown in the Embedded Macros tab:

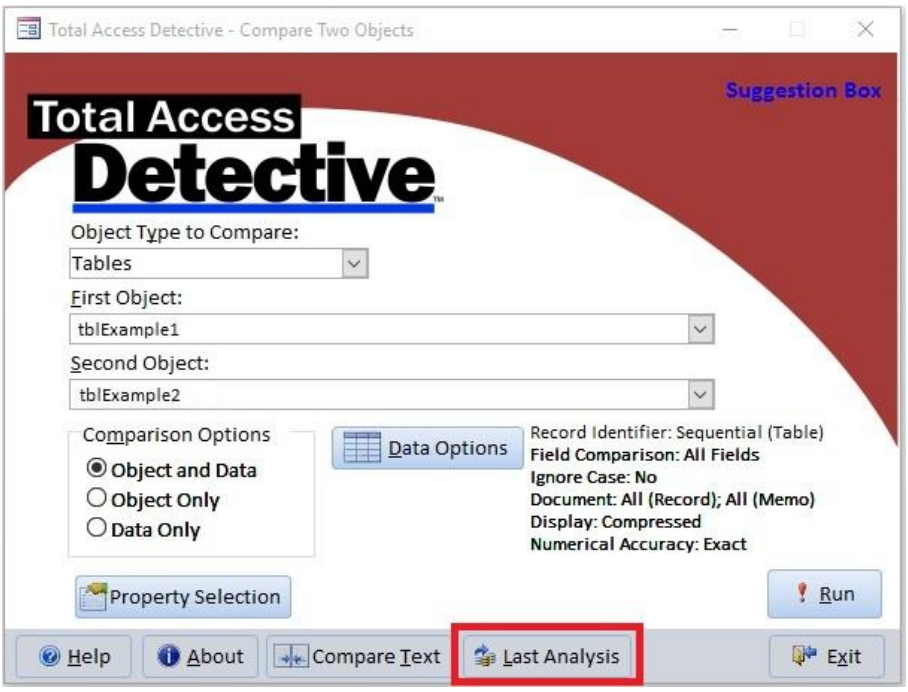


Differences between Embedded Macros

They are listed by Item (control name or blank for the form/report level), event name, and the differences. The original complete embedded macro values in the two objects are displayed under Version1 and Version2. Reports are also available for Embedded Macro differences.

Viewing Last Analysis

The Last Analysis button retrieves your most recent results after you close or exit the comparison wizard.



Last Analysis Button

This button is only enabled if your current database is the same as the database where the last analysis was run. Additionally, if your objects were modified since the last analysis, the results will not be current.

Text Comparison

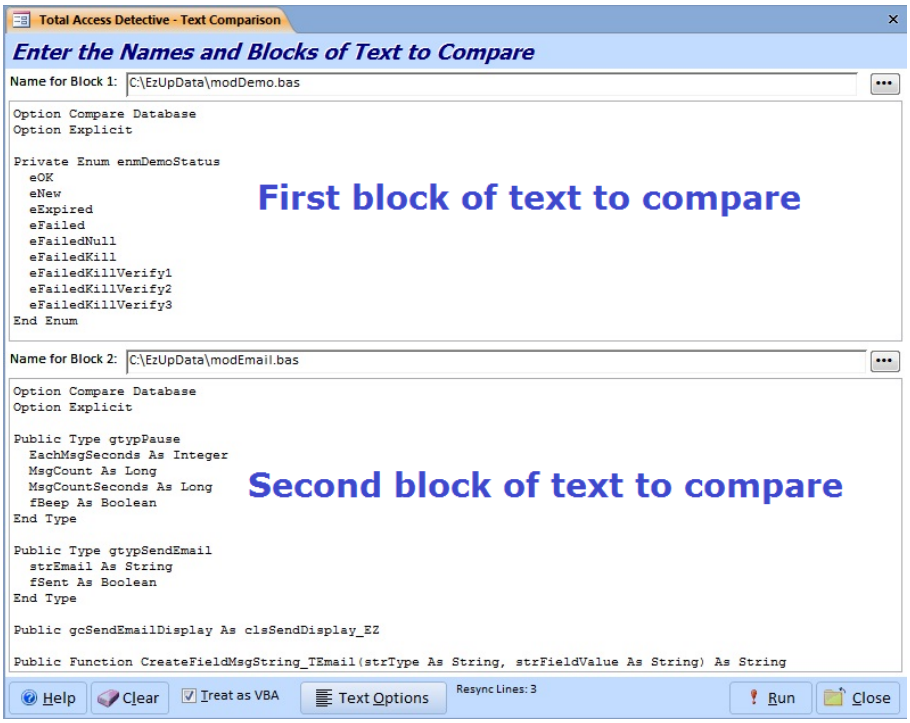
Total Access Detective offers a module (text) comparison feature that does not require your code to be in an existing module. Simply type, paste, or retrieve the text from a file. Just press the Compare Text button at the bottom of the main form.

Text Comparison Button

The text can be compared as regular blocks of text, or as VBA code, which performs procedure/property comparisons (similar to module comparison, described on page 37).

Entering Text Blocks for Comparison

Click [Compare Text] on the main form to launch the text comparison form:



Text Comparison Form

Name for Block 1

Enter a name for the first block of text. By default, the name is “Block 1”, but you should enter a more descriptive name. The comparison results use this name to refer to the first block of text.

Text for Block 1

Enter the text for the first block by browsing for a file, pasting text from the clipboard, or typing directly into the field.

If you browse for a file, the block’s name is changed to the name of the file.

Name for Block 2

Enter a name for the second block of text. By default, the name is “Block 2”, but you should enter a more descriptive name. The comparison results use this name to refer to the second block of text.

Text for Block 2

Enter the text for the second block by browsing for a file, pasting text from the clipboard, or typing directly into the field.

If you browse for a file, the block’s name is changed to the name of the file.

Note that if you replace or edit the text, the description in “Name for Block” does not change. Be sure to update it to avoid confusion.

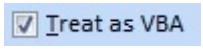
Clear Button

To reset the names and text blocks, click [Clear].

Comparison Options

At the bottom of the form, there are options to specify how the text should be compared.

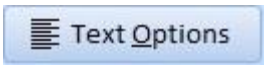
Treat as VBA Code



When you select the Treat as VBA option, Total Access Detective analyzes your text as if it is module or class code. This is similar to the analysis performed on modules in your database—it breaks your text into its parts (declarations, procedures, and properties) and compares it to the corresponding sections in the other text block. Identically named objects are compared (regardless of where they are located in each text block), and any lines that don't match are reported as differences. If there is not a corresponding procedure or property, the results simply show that the procedure or property exists in one but not the other.

If you check this option and your text is not code, Total Access Detective treats your entire text block as if it were the general declarations section of a module. If you are not comparing code, unselect this option to perform a simple text comparison.

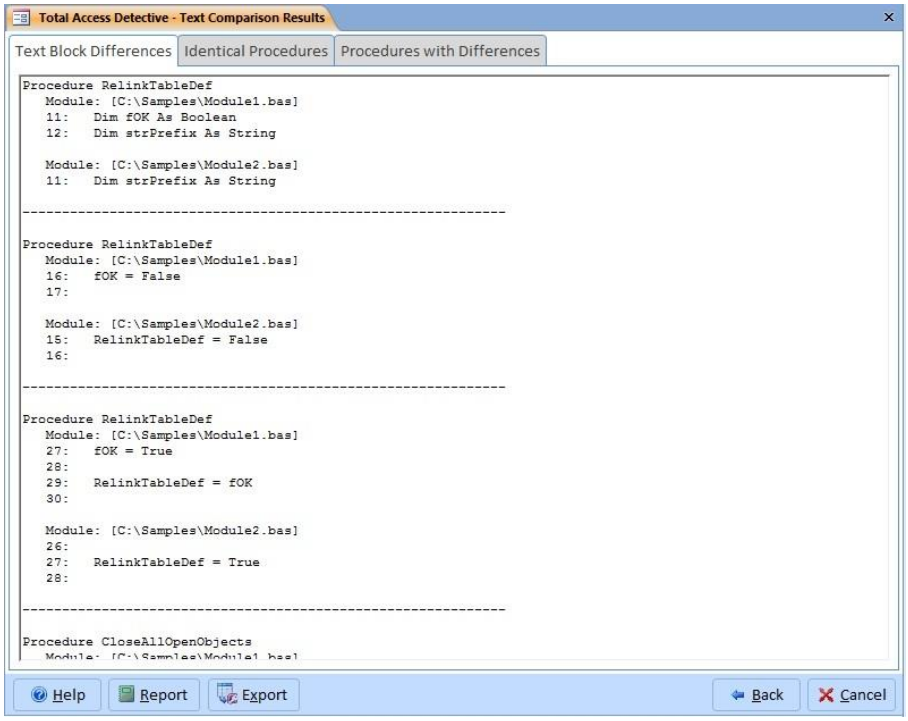
Text Options



The Text Options button lets you specify how to compare the text. These options are identical to the Module Comparison options described in **Text Comparison Options** on page 37. The items selected to ignore are displayed next to the button.

Performing the Analysis

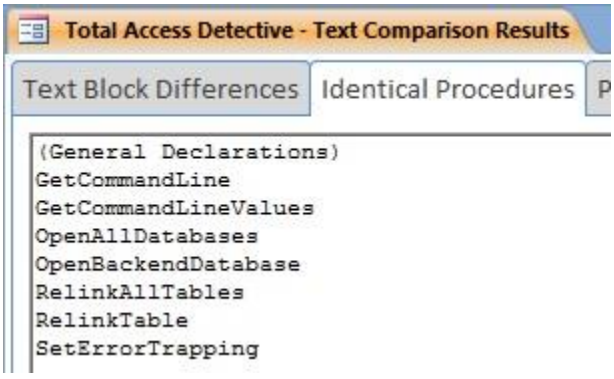
Press [Run] to perform the analysis and the results are displayed:



Text Comparison Results: Differences Tab

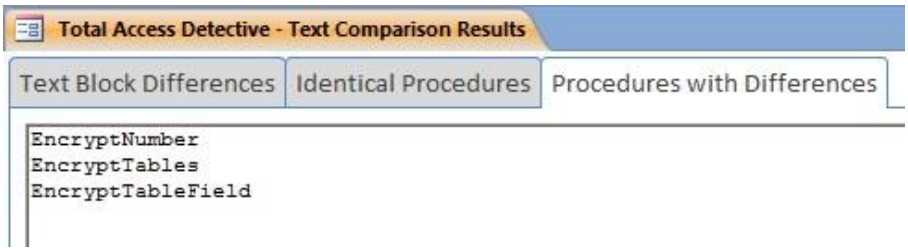
The results are similar to macro and module comparison results. Print the results by clicking [Report], or use the [Export] button to export them.

The Identical Procedures tab displays the list of procedure names that did not have any differences. This makes it easy to confirm that no changes occurred in those procedures:



Text Comparison Results: Identical Procedures Tab

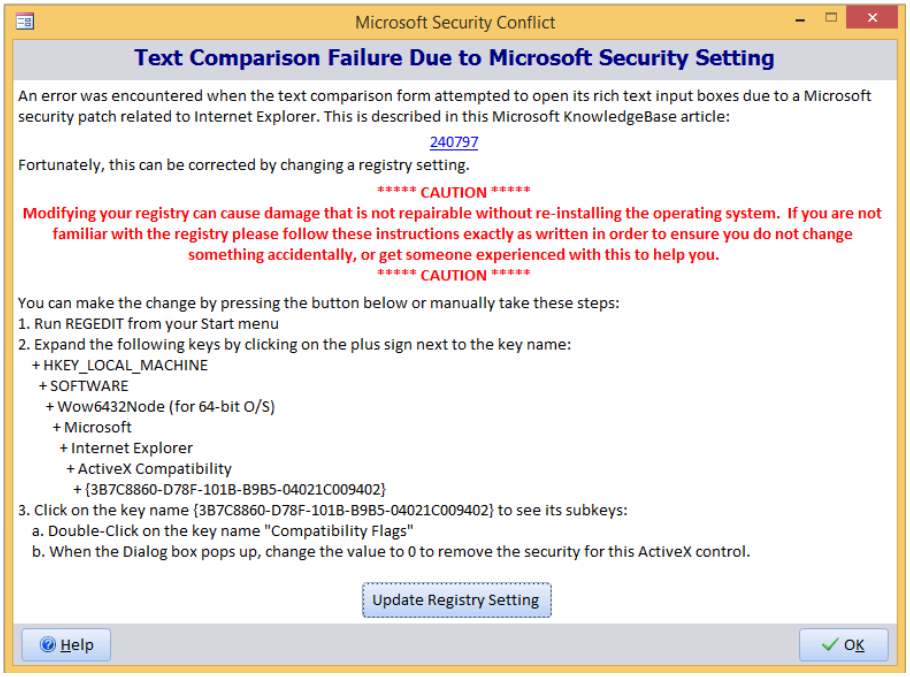
In addition to the Text Block Differences, see the list of procedures with differences:



Text Comparison Results: Procedures with Differences Tab

Text Comparison Security Warning

Our text comparison form uses the Microsoft rich text control. It may not load due to a Microsoft Internet Explorer security setting. If this happens, this form appears when running the Text Comparison:

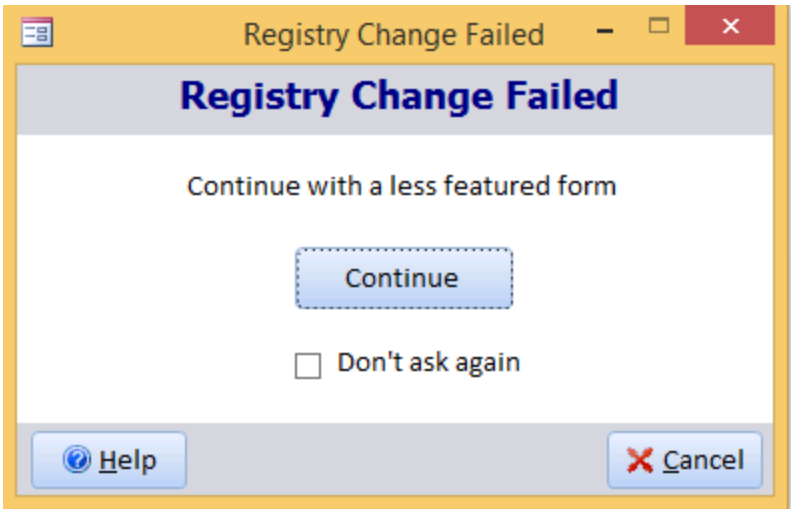


Text Comparison Security Setting Warning

Read the instructions on the screen since it may be different from the example above

There is a link to a Microsoft Knowledgebase article and a button to update your registry setting. The problem should be fixed when you press the [Update Registry Setting] button.

The registry change may fail if you do not have administrator rights to the registry hive of the local machine. If so, this form appears:



Options if Registry Change Failed

Press the [Continue] button to run the text comparison feature. It will load a less full featured form. You can check the [Don't Ask Again] option to make this permanent.

Press [Cancel] if you do not want to continue. You can then fix the registry entry and try again.

.

Chapter 4: Comparing Objects in Two Databases

This chapter explains Total Access Detective's Database Comparison feature, which compares objects between two databases. The results show unmatched objects, modified objects, and differences in objects with identical names. Table relationships, data, security permissions, database properties, and library references can also be compared.

Topics in this Chapter

Database Comparison Overview

The Database Comparison wizard guides you through the process of selecting the databases and objects to compare.

Preparing Your Database

If you want to compare ADPs, or certain object types in an MDB/ACDDB (data access pages, command bars, or library references), you must complete a preparation step before running the wizard (see **Database Preparation** below for details).

Starting the Database Comparison for MDBs/ACCDBs

If you prepared your database, or if you do not want to compare the objects listed above, open the TADETECT.MDB database.

This database is located in the folder where you installed Total Access Detective, and the Setup program creates a shortcut to the database in the Windows Start menu.

Starting the Database Comparison for ADPs

If you are comparing two Access Data Projects (ADPs), open the TADECTECT.ADP database.

Using the Database Comparison Wizard

When the Wizard opens, follow these steps to compare the databases:

1. Specify the two databases to compare
2. Review the list of unmatched objects (objects that exist in one database but not the other)
3. Select the identically named objects for detailed analysis
4. Specify the comparison options
5. Generate the comparison and view/print the results

Database Preparation

To compare ADPs or certain objects in an MDB/ACCDB (command bars, data access pages, references, and certain database properties), you must complete a preparation step for each database.

Database preparation is required because Microsoft Access does not allow certain objects to be examined without having the database itself open.

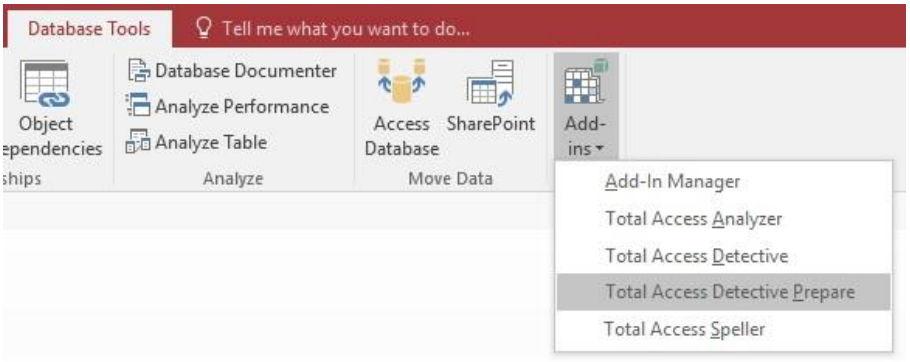
Because Database Comparison doesn't open either database, it cannot see these properties. When you prepare your database, Total Access Detective creates a separate database that contains these objects, and that database is used during analysis.

Database preparation is not necessary if you don't need to compare the objects listed above. It is not necessary for comparing forms, reports, and modules. Database preparation is always required for comparing ADPs.

Launch the Database Prepare Add-in

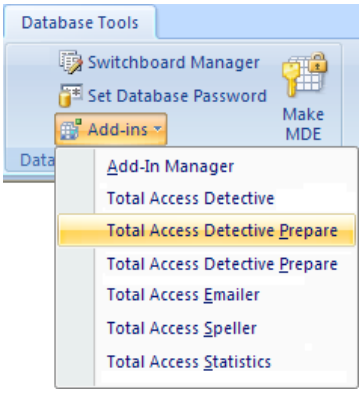
To prepare your databases for comparison, open each database is Microsoft Access. Then from each database, run *Total Access Detective Prepare.*

In Access 2007 or later, select *Total Access Detective Prepare* from the Database Tools ribbon, Add-ins menu.

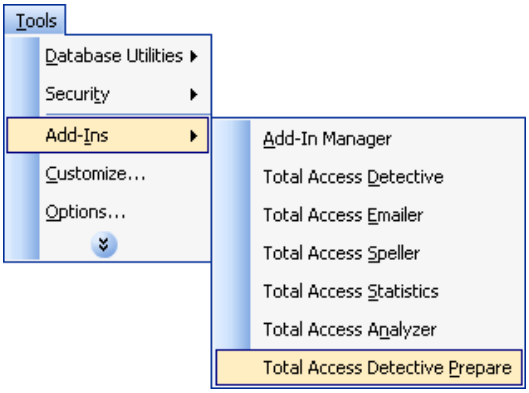


Microsoft Access 2016 Add-ins Menu for Launching Total Access Detective

In Access 2003 and earlier, open it from the Tools, Add-Ins menu.

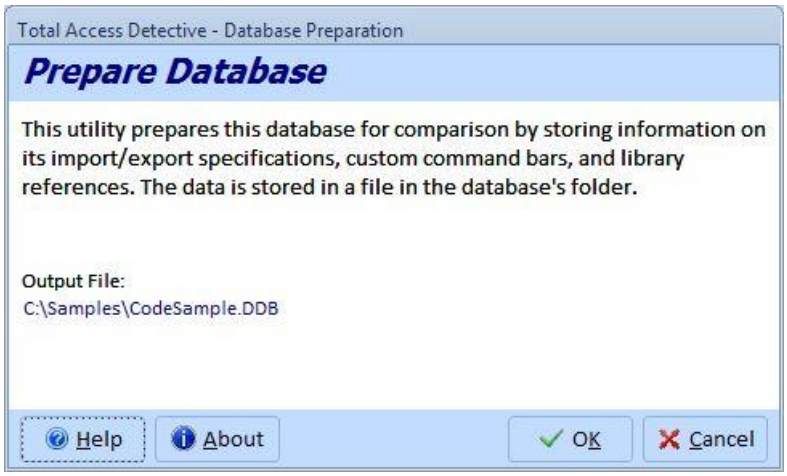


Microsoft Access 2007



Microsoft Access 2003 and Earlier

This screen appears:



Confirm Database Preparation

Click [OK] to proceed, and a database is created in the same folder and name as your database with an extension of .DDB, .DDE, or .DDA (for your databases with extensions *.MDB, *.MDE, and *ADP respectively). This database contains information necessary for Total Access Detective to compare these objects.

If you no longer need the preparation files, you can safely delete them to reclaim disk space.

Once you prepare an MDB/ACCDB database, you do not need to repeat this process unless you modified or added a command bar, data access page, or VBA library reference.

Database Comparison Wizard

To compare databases, open the TADetect.ACCDB or TADetect.ADP database from the folder where you installed the program, or use the shortcut in the Windows start menu under:

```
All Programs, FMS, Total Access Detective
```

Select “Database Compare” to compare ACCDB or MDB files, or select “ADP Compare” to compare ADP files.

For Windows 8, 10 and later, the Windows shortcut doesn’t include the FMS level.

Total Access Detective is always launched using the correct version of Microsoft Access, regardless of the Access versions installed on your machine. This is accomplished using Total Access Startup from FMS. Please visit www.fmsinc.com or contact FMS for additional information.

When the database opens, the main form appears:

Database Comparison Wizard Main Form

The main form has the following buttons:

Button	Description
Generate New Comparison	Launch the Database Comparison wizard to compare two databases
View, Filter, and Print	View the results of the databases compared, and print reports. You can also open previously compared results.
Compare Two Blocks of Text	Compare any two blocks of text

Generating Database Comparison

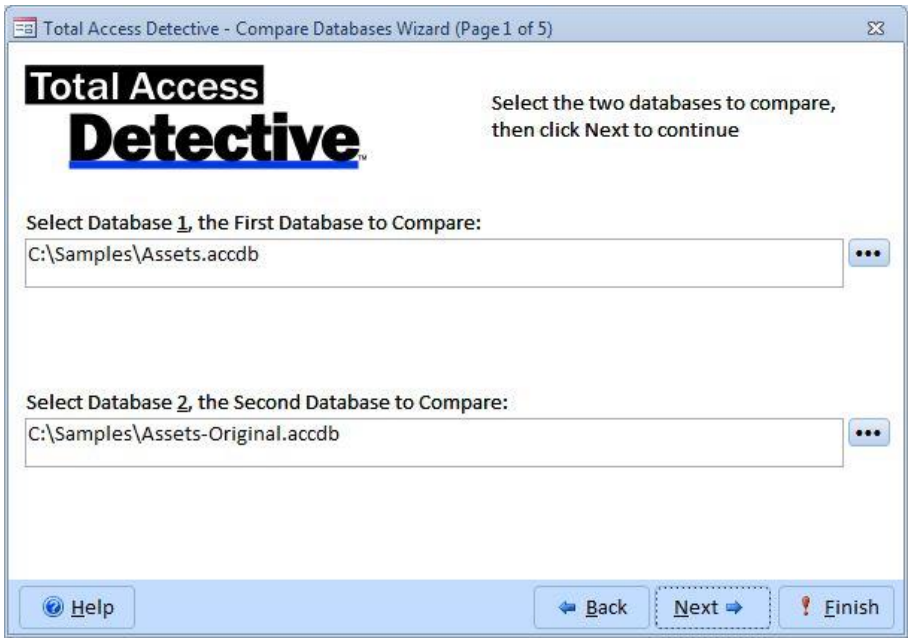
To compare two databases, click [Generate New Comparison Between Two Databases], and the wizard guides you through the process:

1. Specify the two databases to compare
2. Review the list of identically named objects, and the list objects found in only one of the databases
3. Select the identically named objects to compare
4. Specify the comparison options
5. Start the object comparison

When you click [Finish], Total Access Detective examines the databases and generates the results. You can then see the database differences by selecting [View, Filter, and Print Comparison Results] from the main form.

Page 1 — Specify Databases to Compare

From the main form, click [Generate New Comparison Between Two Databases] to start the comparison. The first page of the Wizard appears:



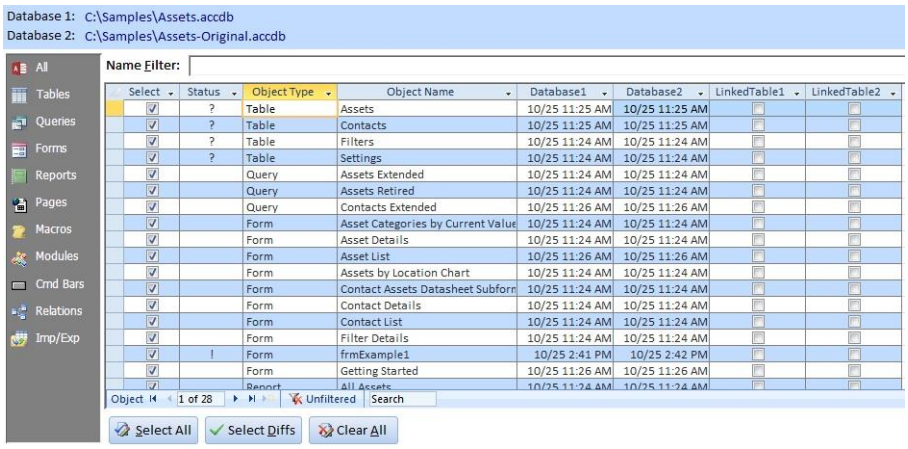
Specify Databases to Compare

Use the […] buttons to locate the databases to compare, and click [Next].

If you press [Finish], all identically named objects in the two databases are compared using your last specified options.

Page 2 — Review the Identically Named Objects

Total Access Detective performs a quick analysis and displays all the identically named objects in the two databases:



Select Objects for Comparison

Use the icons on the left side to filter the list by object type. The Status column can help you determine which objects to select for comparison:

Status	Description
<none>	Objects have the same dates (most likely identical).
?	Two tables have identical dates, but their data may differ. For tables, modification dates are based on structural changes, not data entry.
!	Objects are not the same. Last Modified dates do not match.

Selecting Objects for Comparison

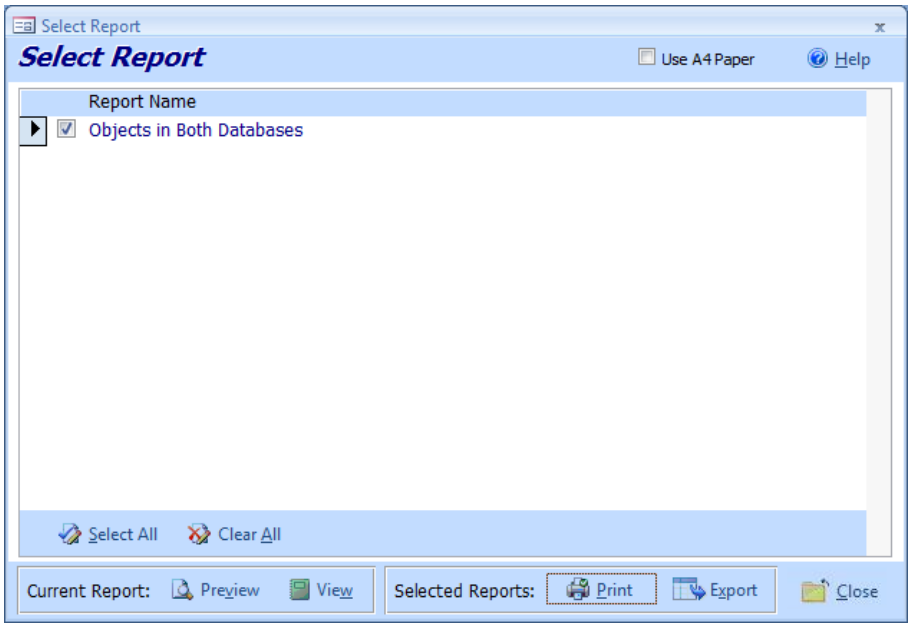
To select an object for analysis, use its corresponding check box. The [Select All] button selects all objects in the current filter, and the [Select Diffs] button selects all objects with different last modification dates (objects with the ! symbol in the status column).

Keep in mind that the last modified date does not change when data changes are made. If you want to compare table data, be sure to flag all tables with the ? symbol in the status column.

Note: For ADPs, only Access objects (forms, reports, macros, modules, command bars, and library references) can be compared.

Printing the List of Identically Named Objects

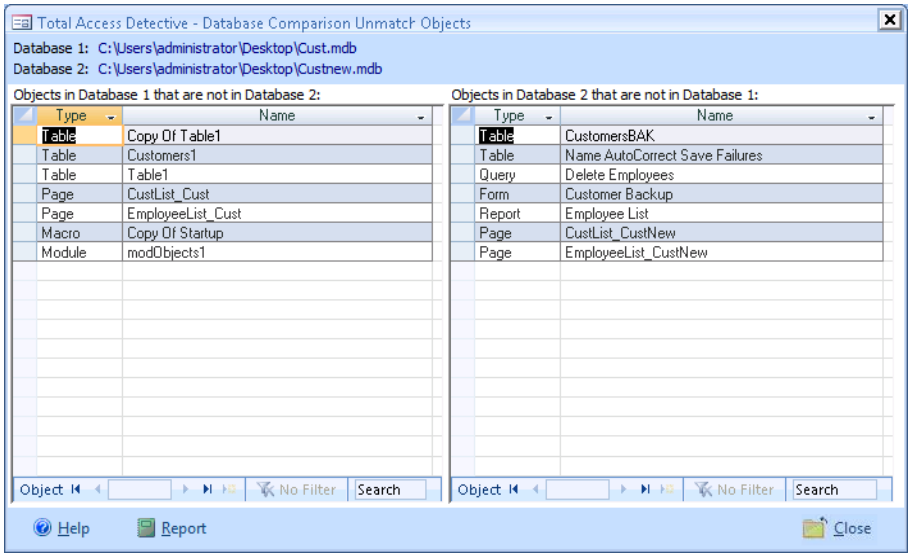
The list of identically named objects gives a quick overview of the databases— use the [Report] button for a report of these objects:



Print Objects in Both Databases

Unmatched Objects

Click the [Unmatched Objects] button for a list of objects that exist in one database, but not the other:

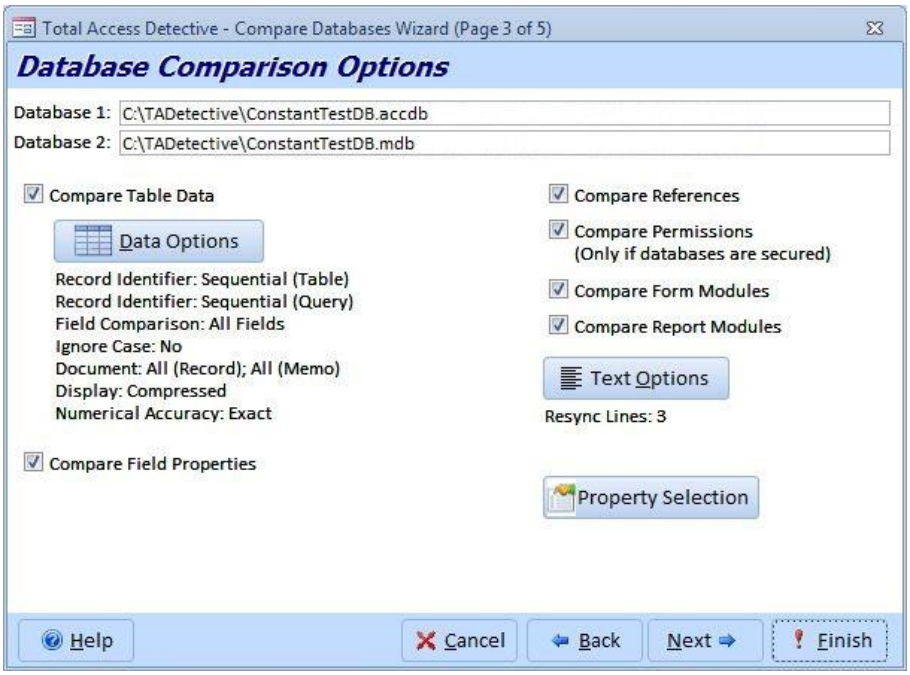


Unmatched Objects

This list shows you all objects that were added or deleted from either database. Review this list for a quick overview of the different objects in the databases, or use the [Report] button to generate a report.

Page 3 — Specify Comparison Options

A variety of comparison options are available for the selected objects:

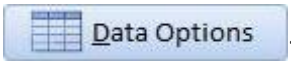


Database Comparison Options

Compare Table Data

When comparing tables, you can optionally compare data. Note that only data in local tables can be compared—linked tables cannot be compared. To compare linked tables, either import the tables or use the Object Comparison feature described in the previous chapter. Because tables cannot be compared between ADPs, data comparison is not available in ADPs.

Data comparison can take a significant amount of time for tables with many records. Compare local copies of your databases to reduce the documentation time.

Additional data comparison options are available from the Data Options button: 

. These options are identical to the data options for Object Comparison and are explained in **Data Comparison Options** on page 32.

Compare Field Properties

Select this option to compare table and query field properties. Retrieving field properties for linked tables is relatively slow. If you have many linked tables, consider using the database that contains these tables in your documentation, or unselect this option if you are not interested in field properties.

Compare References

Select this option to compare VBA (library) references between the two databases. To compare references, your databases must be prepared using the instructions on page 58.

Compare Permissions

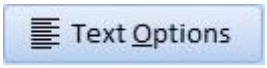
Select this option to compare security (permissions) settings.

Microsoft Access does not allow you to access the permissions of objects unless you have sufficient security rights. The best way to avoid problems with permissions comparisons is to log into Microsoft Access as a member of the Admin group before starting Total Access Detective.

Compare Form and Report Modules

Select these options to compare the code behind the selected forms and reports. If you are only interested in layout information, you can speed up processing by turning these options off.

Module and Macro Options

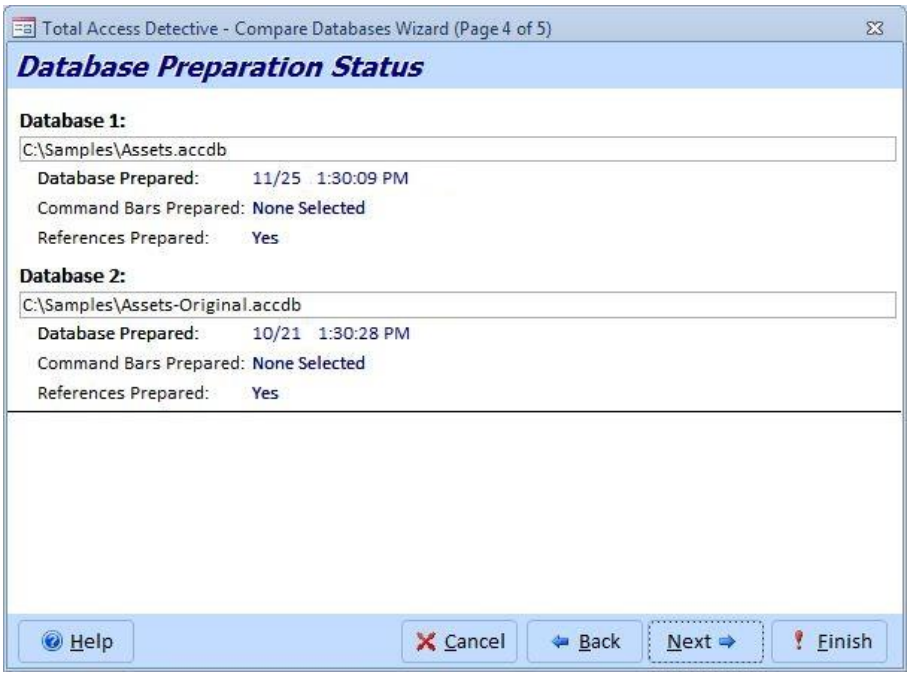


You can specify the *# of Lines to Resync* and the types of code to ignore *to* adjust how Total Access Detective finds differences in modules and macros. These are identical to the options under Object Comparison (explained on page 37).

Page 4 — Database Verification

If you select data access pages, command bars, or references for comparison, Total Access Detective checks if the database was properly prepared (as explained on page 58).

Page 4 displays the preparation status:



Database Preparation Status

If you've properly prepared both databases, the indicators on this page display "Yes." If either database is not prepared, one or more of the indicators display "No," and a message appears at the bottom of the page. If this occurs, you should prepare the problem database, and restart the Database Comparison wizard.

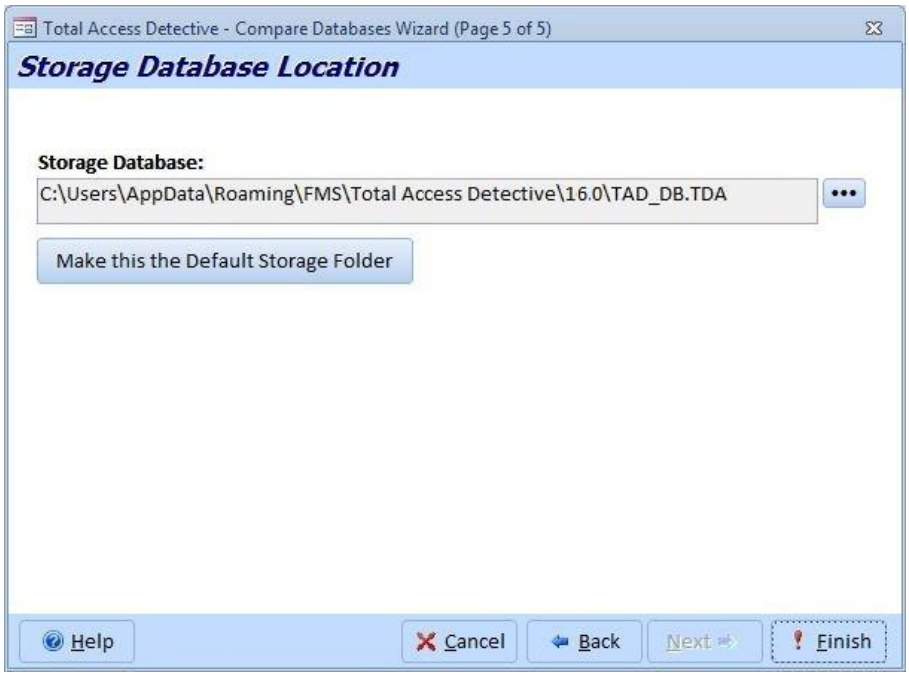
If you have no data access pages, command bars, or references selected, one or more of the indicators on this page will display "None Selected."

If everything is okay, click [Next].

Page 5 — Storage Database

By default, Total Access Detective stores the database comparison results in a database called TAD_DB.TDA in your application data folder (it's just an Access MDB file with a TDA extension).

You can change this from this screen:



Specify Database Storage Name

After selecting a file name, you can designate its folder as the default storage folder so future files are stored there.

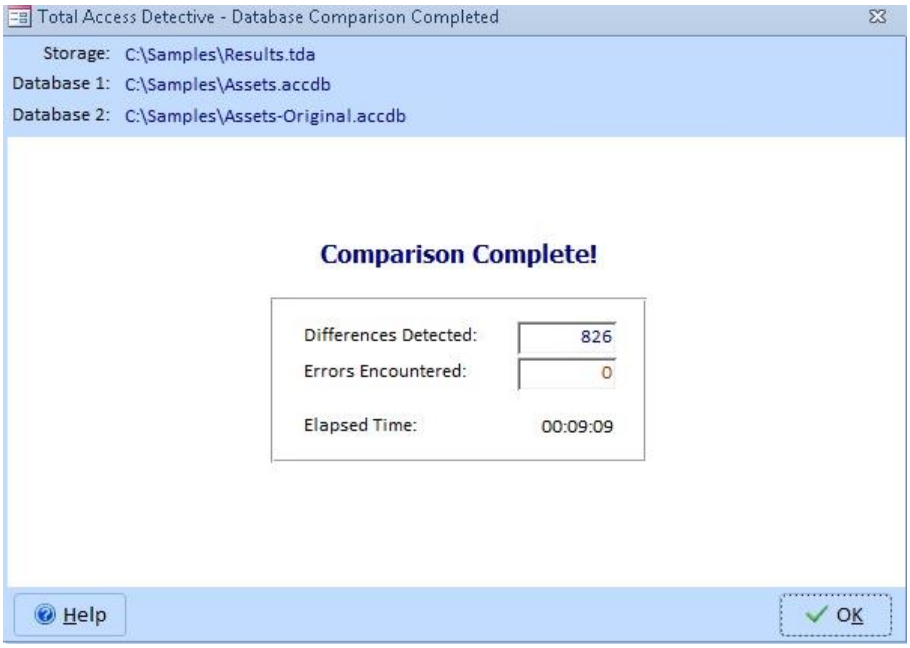
If the file already exists, information on the databases and when it was compared is displayed.

When you're ready, press [Finish] to start the analysis.

Comparisons Completed

While Total Access Detective is comparing the databases, it displays the current progress and the objects being compared. The processing time depends on the number of objects selected and their complexity.

When the comparison finishes, Total Access Detective displays the number of differences, the number of errors found, and the elapsed time for the comparison process:

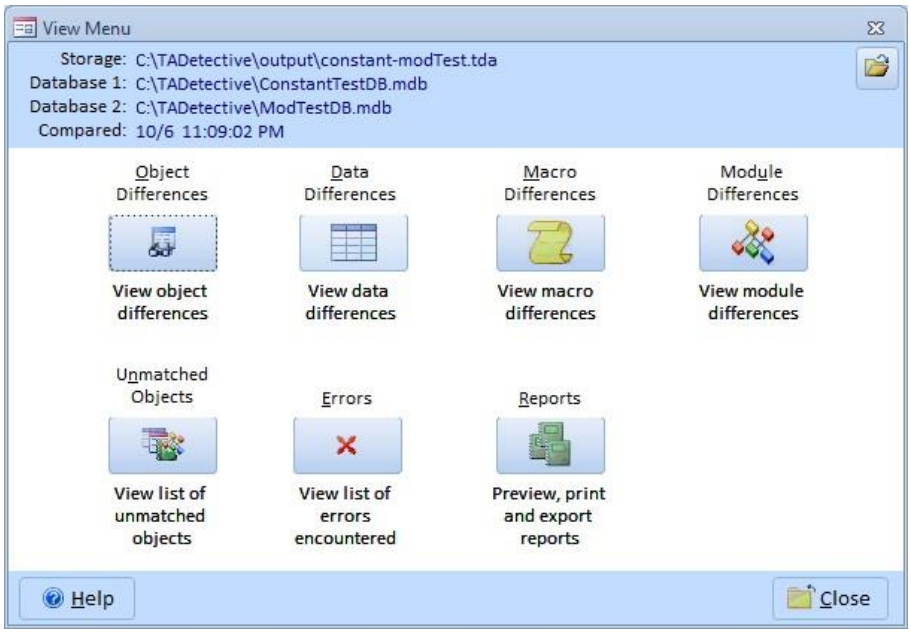


Comparison Completed

Click [OK] to return to the main menu, and use the [View, Filter, and Print Comparison Results] button to see the results.

Viewing Results and Printing Reports

From the main form, select the [View, Filter, and Print Comparison Results] button to examine the results of the Database Comparison.



Database Comparison Results Menu

The top of the form shows the database name where the comparisons are stored, the names of the two databases that were compared, and when the comparison occurred. If you saved the results in different database names, you can load it with the open button: 

Buttons are enabled or disabled based on the results of the comparison.

Object Differences
Property differences for all objects (tables, relationships, forms, etc.)

Data Differences
Table data differences.

Macro Differences
Macro differences and Macro source code.

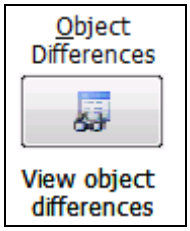
Module Differences
Module differences and source code, including form and report modules.

Unmatched Objects
Objects that exist in one database but not the other.

Errors
Comparison errors, including objects that could not be compared.

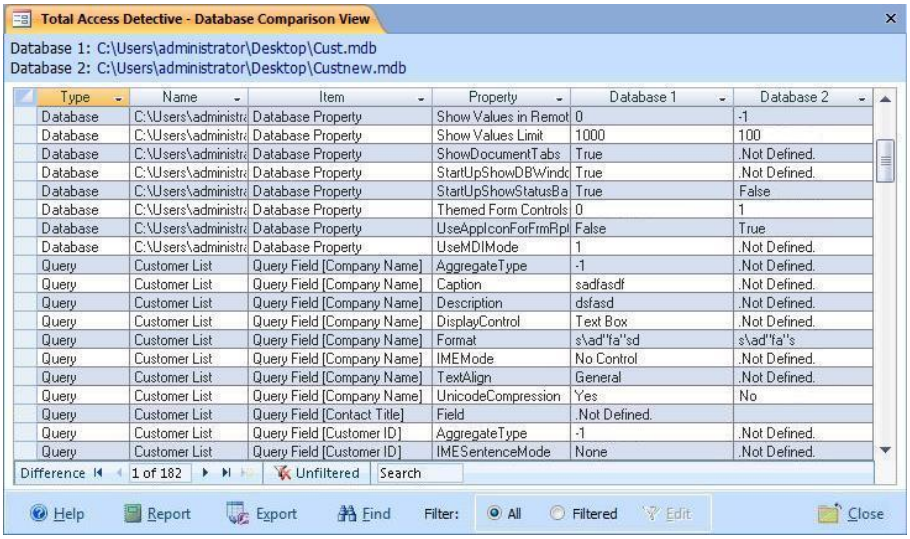
Reports
Results reports for previewing and printing.

Viewing Object Differences



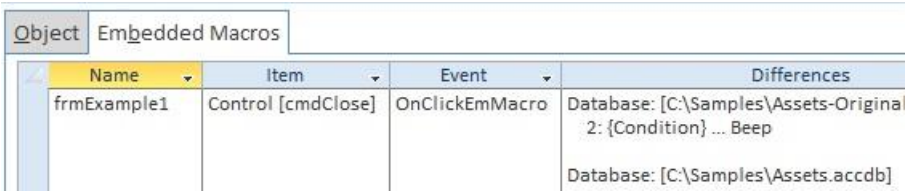
Differences in property values for identically named objects are listed under [Object Differences]. If an item exists in one object and not the other, its properties are not listed.

Following is an example of the object differences form:



Object Differences

If there are differences between embedded macros on forms and reports, an additional Embedded Macros tab is available:



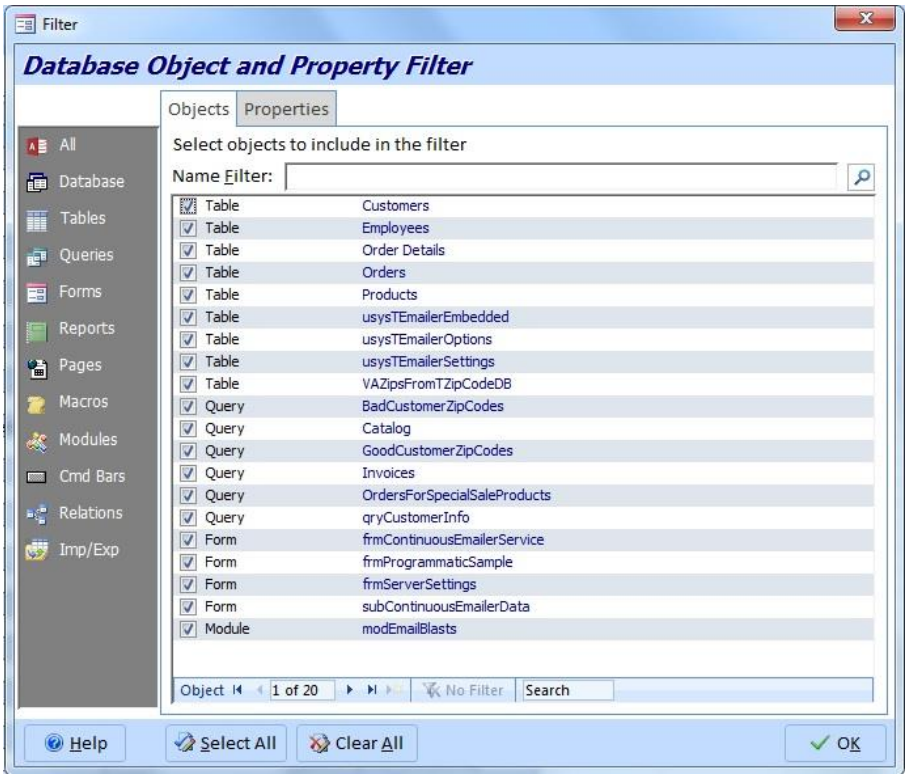
Embedded Macro Differences between Forms and Reports

While viewing the results, these options are available:

Button	Description
Report	Select reports of the results to preview, print, view or export
Export	Export the results into a table in the database that you specify
Find	Select from a list of documented objects, and jump to its results
Filter	Filter the records by object and property name

Filtering the List

Since the list of object differences can be quite large, a filter is available to limit the list by object type and property. Select the Filtered option, and click the [Edit] button to open the Filter form. The Objects tab lists the objects included in the comparison.



Object Filter

The Properties tab lists the properties where differences were found between the two databases.

Property Filter

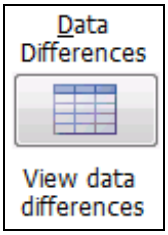
Use the icon menu on the left to filter the object or property list, and the [Select All] and [Clear All] buttons to help you select the desired items.

After selecting the objects and properties to include in the filter, click [OK] to return to the results form with the filter applied.

Filters Also Apply to Export and Reports

The filter that you select is respected when you export and print the results. For example, if you filter the list to show only differences in the Customers table, and then export the results, only the differences for that table are exported. If you filter the list to show only the RowSource property, and then print the report, only RowSource differences are printed.

Viewing Data Differences



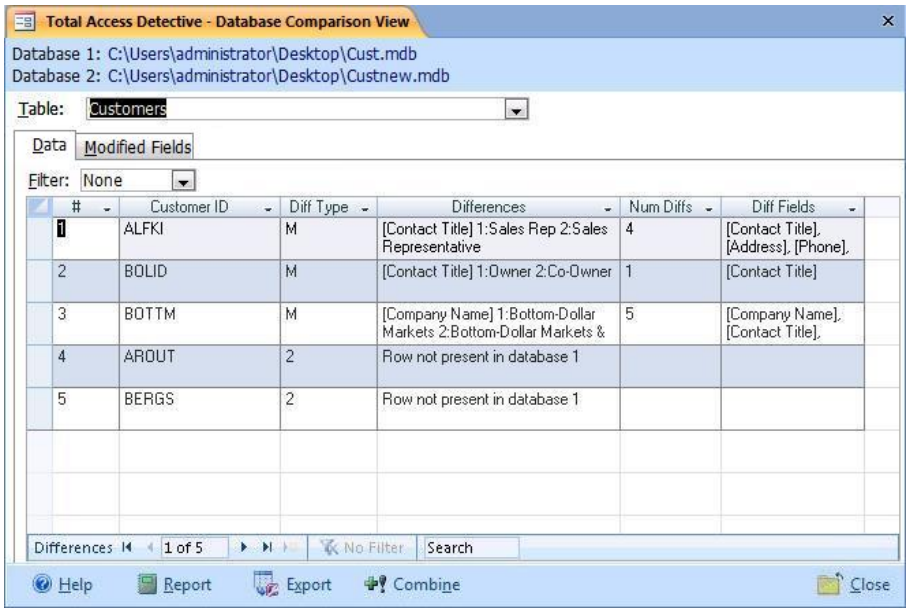
If you selected the option to compare table data, Total Access Detective compares the data in the two databases based on the Data Comparison options specified.

If the tables have the same key fields, the data differences results show all missing and modified records (modified records have identical key values but differences in other fields).

If the table is not keyed and you did not choose the option to treat the first field as the key field, Total Access Detective cannot determine which records are new, deleted, or modified. It compares the tables in their default sort order and reports the first record that is different.

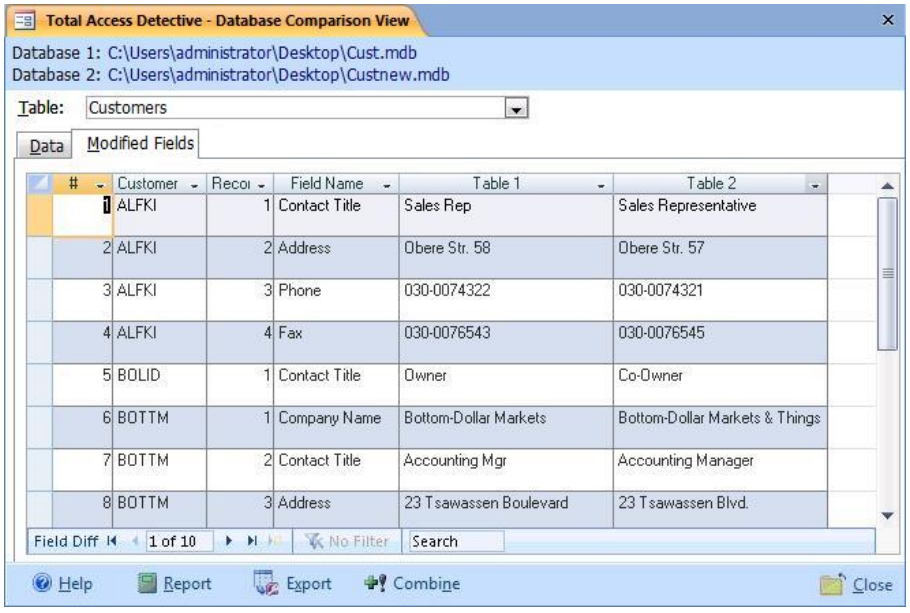
Each table's comparison is available by selecting the table from the drop down list of table names. Only tables with data differences are listed.

The Data tab shows all data differences, including modified rows, and rows that exist in one table but not the other:



Data Differences

The Modified Fields tab displays rows that exist in both tables, but are different:



Data Differences, Modified Fields

While viewing the results, these options are available:

Button	Description
Report	Select a report to print, preview, report view, or export
Export	Export the results to a table in a database you specify
Combine	Combine the data from the tables into a new table (page 75)
Close	Close the form and return to previous screen

The results include these fields:

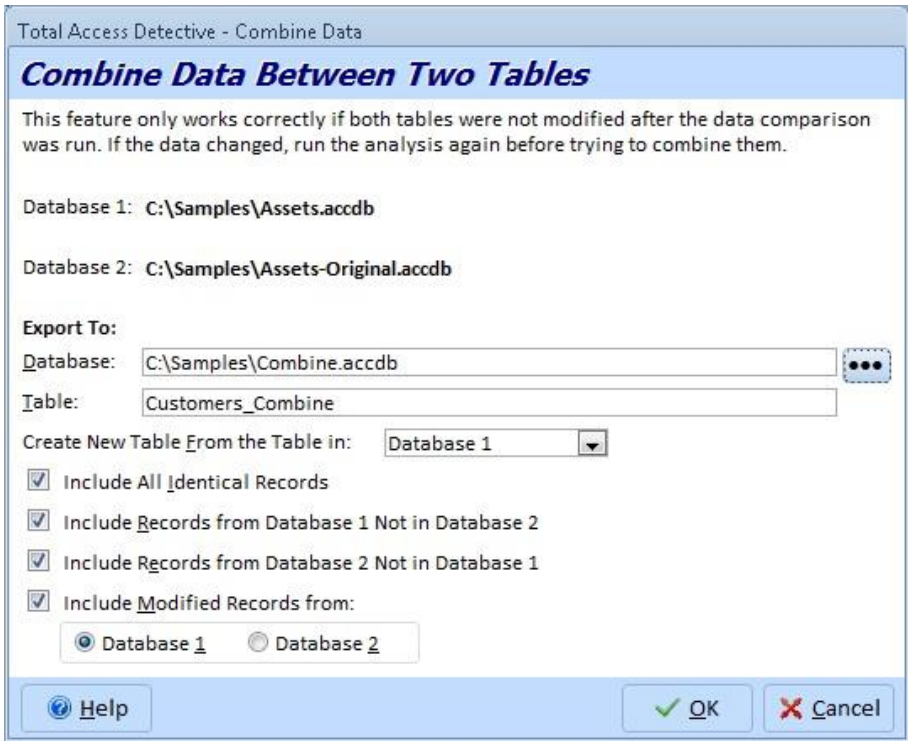
Fields	Description
Differences	The field values which differ. This can be quite large. Expand the height of the record or use the zoom feature ([Shift]+[F2]) to view the whole field.
Num Diffs	Number of fields with different values
Diff Type	Difference type (see below)
Diff Fields	Names of the fields that differ
Key Field(s)	Key field(s) that identify the record

The "Diff Type" field identifies how the record differs—use this field to identify differences quickly:

Diff Type	Description
1	Record exists in table 1 but not table 2.
2	Record exists in table 2 but not table 1.
M	Record exists in both tables and is modified.
N	Differences exist for tables without a primary key.

Combining Results

When viewing table data differences, Total Access Detective allows you to combine the data from the tables that you compared into a new table. This powerful feature is available by clicking the [Combine] button:

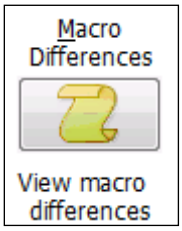


Combine Table Data Form

Browse for a database to create the combined table in, and select a name for the table.

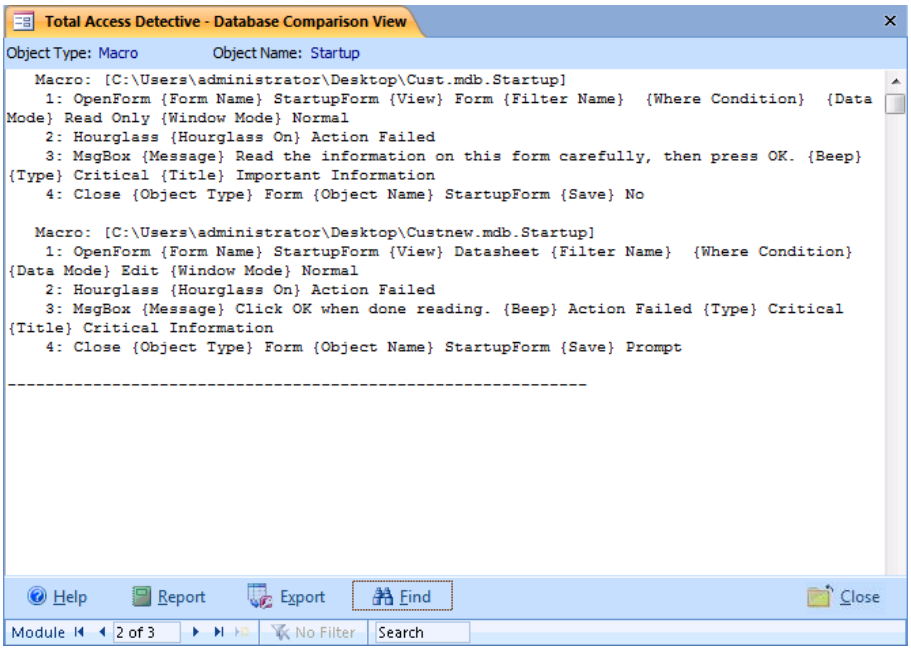
The remaining options are similar to the **Combining Data Between Two Tables** feature on page 46.

Viewing Macro Differences



Total Access Detective performs line-by-line comparisons for the selected macros, and displays code differences (including modified lines and blocks of added or deleted code).

Each macro may have sub-macros (macro names) within it— Total Access Detective reports differences in sub-macros as well.



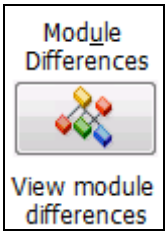
Macro Differences

Total Access Detective does not document differences in the sort order of macro names, since sort order doesn't affect the macro's behavior.

These buttons are available:

Button	Description
Report	Reports for the differences and source code for each macro. Reports are available for the currently viewed macro or all the macros with differences.
Export	Export the results into a table in the database you specify
Find	Select a macro to view from a list of macros with differences
Close	Close the form and return to previous screen

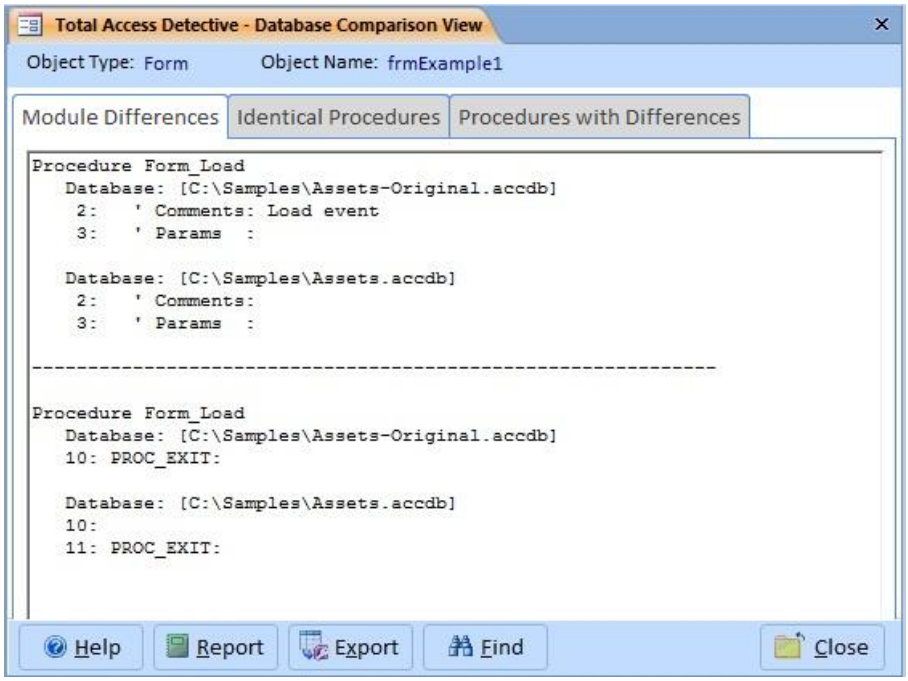
Viewing Module Differences



Total Access Detective performs line-by-line comparisons for the selected modules. If you selected the option to compare form and report modules, the code behind the selected forms and reports is also compared.

The results show differences between the lines of code for identically named procedures and properties, as well as a list of unmatched procedures and properties. This includes modified lines and blocks of added or deleted code.

A separate tab, Identical Procedures, lists all the procedures with no differences, and the Procedures with Differences tab shows the list of procedures with code differences.



Module Differences and Identical Procedures

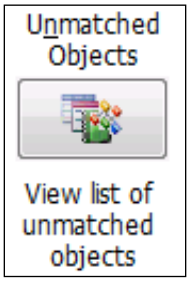
Total Access Detective does not document differences in the sort order of procedures, since sort order doesn't affect the VBA code's behavior.

These buttons are available:

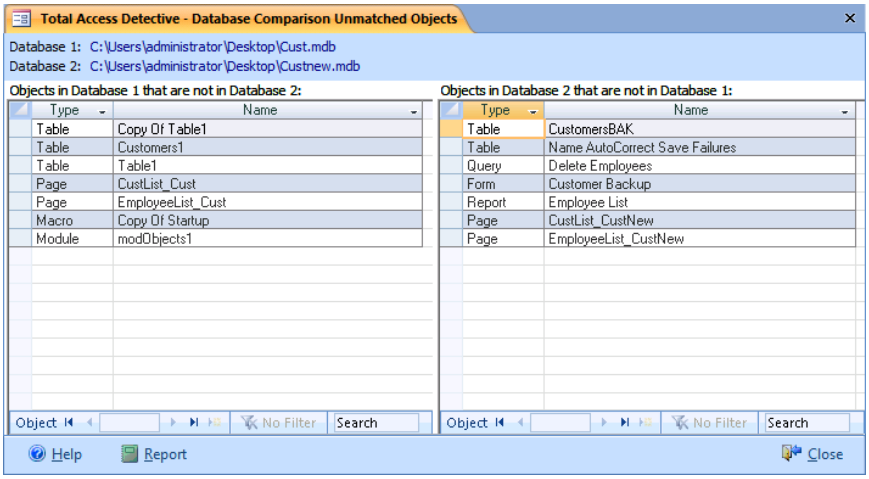
Button	Description
Report	Reports for the differences and source code of each module. Reports are available for the currently viewed module or all the modules with differences.
Export	Export the results into a table in the database you specify

Find	Select a module to view from a list of modules with differences
Close	Close the form and return to previous screen

Unmatched Objects



Total Access Detective lists objects (tables, queries, forms, data access pages, reports, macros, modules, command bars, relations, references) in one database but not the other. Use this form as a quick way to discover new or deleted objects.

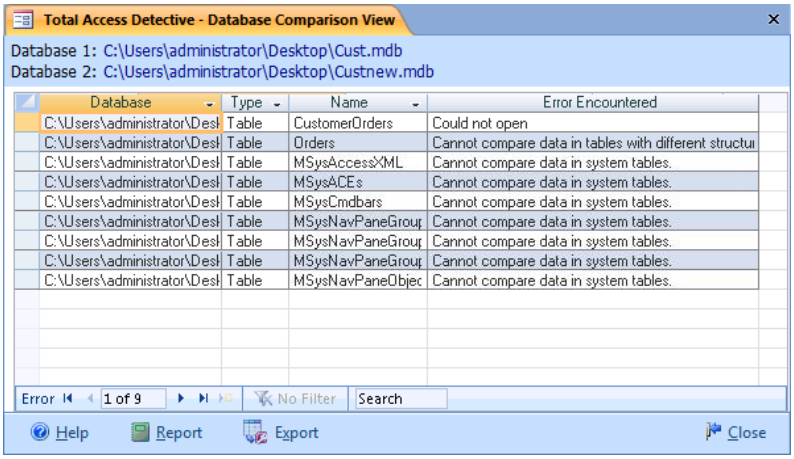


Unmatched Objects

See **Unmatched Objects** on page 64 for more information.

Errors

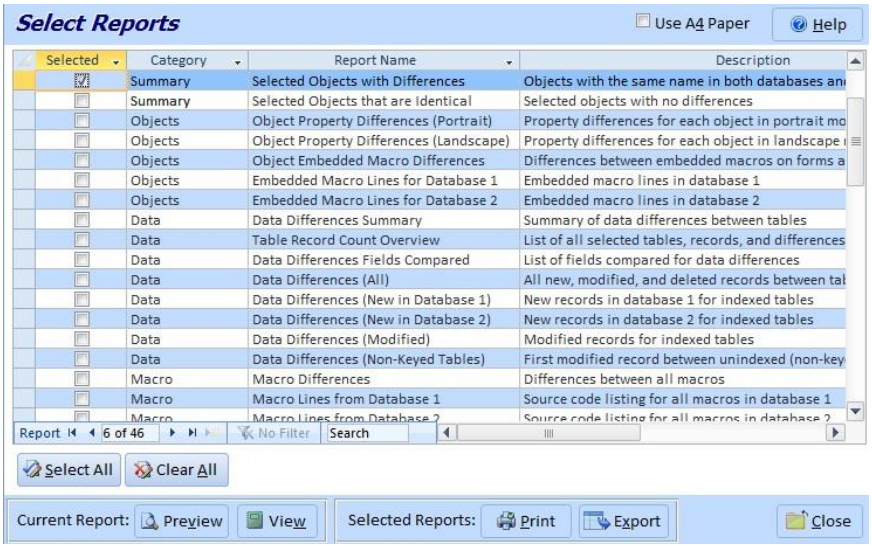
Total Access Detective may be unable to compare certain objects. For instance, data comparison on tables with different structures, corrupt objects, and queries based on missing tables cannot be compared. These objects and errors are listed on the Errors form.



Comparison Errors

Reports

The Reports feature allows you to print several reports simultaneously, rather than from each of their respective sections. The Summary reports are only available here. This form lets you select the reports:



Report Selection Form

The following options are available on the Reports form:

Button	Description
Preview	Preview the current report your cursor is on (it does not need to be selected).
View	Open the current report in Report View. Report View is not available in Access 2003 or earlier.
Print	Send the selected (checked) reports to the printer.
Export	Export the selected (checked) reports to a variety of formats in a folder you specify.
Close	Close the form and return to previous screen

Note that the reports here do not have filtering. They include all the objects and properties or code for its category. In many cases, if you only want a subset, view the data from the other forms and print it from there. You can also use the [View] button to open reports in Report View, and use the built-in Access options to apply filtering.

See **Appendix: Sample Reports** on page 93 for details and examples.

Compare Two Blocks of Text

From the main form, select [Compare Two Blocks of Text] to compare text that is pasted, typed, or retrieved from a file. The functionality is identical to the "Text Comparison" feature available under Object Compare, which is described on page 51.

Chapter 5: Additional Topics

This chapter contains additional information about the Total Access Detective files and functionality. You do not need to read this chapter to use Total Access Detective, however it provides a deeper understanding of how the program works.

Topics in this Chapter

How the Program Works

Architecture

Total Access Detective is written completely in Microsoft Access using VBA. It works in two distinct modes:

- **Two Object Comparison**
  Launched as an Access add-in while you're in the database with the objects to compare
- **Two Database Comparison**
  Launched as an Access database to point to your two databases

In both cases, Total Access Detective compares your objects without modifying them.

For two object comparison, the objects are placed into design mode, compared, and closed without saving any changes. For two database comparisons, objects are imported into our database and opened for comparison without affecting the source object.

Temporary Files

Total Access Detective stores its results as temporary files in your Windows Application Data Folder under FMS/Total Access Detective/16.0 for Access 2016, 15.0 for Access 2013, 14.0 for Access 2010, 12.0 for Access 2007, 11.0 for Access 2003, etc. The location of your Application Data folder depends on your Windows user settings.

Object Comparison Files

Object Comparison stores its results in an Access database (extension *.TDA) in your Windows Application Data folder, or a location you specify.

Database Comparison Files

The Database Comparison starts with one of these two databases:

- **TADETECT.ACCDB** for Jet databases (MDB and ACCDB formats)
- **TADETECT.ADP** for ADP files

It stores its results in the TAD_TMP.TDA database in your Windows Application Data folder.

Comparing Two Databases from a Command Line

There may be situations where you want to compare the same two databases repeatedly. You can create a Windows shortcut to point to your two databases to launch Total Access Detective and have it automatically

compare all the common objects between your two databases using the settings from the last session and store the results in a database you specify.

Here's an example:

```
"C:\Program Files\Microsoft
Office\Office16\MSACCESS.EXE"
"C:\Total Access Detective 2016\tadetect.accdb"
/cmd "C:\Northwind1.accdb;C:\Northwind2.accdb;
C:\Output\NorthwindCompare.tda"
```

Shortcut Syntax

There are three parts to the command line. The first two are for Access to open the Total Access Detective database for comparing the two databases:

1. Microsoft Access path

The first part is the full path to the Microsoft Access program (MSACCESS.EXE).

2. Total Access Detective database path.

The second part is the full path to the Total Access Detective database. This is either TADETECT.ACCDB or TADETECT.ADP based on whether you are comparing Jet Databases (MDB/ACCDB) or Access Data Projects respectively.

3. Command Line Parameter

The third part is the command /cmd parameter with quotes around the full path to the two databases separated by a semicolon.

You can optionally add a third database name which is the database that stores the results. If you don't include it, the default Total Access Detective database name is used, but that is overwritten the next time it runs. If you are comparing multiple pairs of databases, you'll want to specify the output database name uniquely for each pair so you can view them later.

You can name the storage database with any extension but we recommend using the *.TDA extension for consistency with other Total Access Detective storage files.

Only One Comparison at a Time

You can only run one instance of Total Access Detective at a time. You can run Total Access Detective with the command line consecutively but not simultaneously.

Special Date Comparison Issues

Total Access Detective uses Visual Basic for Applications (VBA) code to retrieve and store property values, and stores them in an Access table. If the property value is a date (for example, the DateModified property), Total Access Detective reads the value as a date. Since it stores all differences internally as string values, it stores dates according to the current Windows settings for date handling.

This means that Total Access Detective's date comparison results may not display the full four digits year. If Total Access Detective shows a date property difference, you should use Access to view the actual property values to determine the differences.

Use the Windows Control Panel Regional Settings to view and change your date settings. Refer to your Windows help file for more information about regional settings.

Chapter 6: Troubleshooting and Support

This chapter provides information about troubleshooting problems that arise and obtaining support for Total Access Detective.

Topics in this Chapter

Support Resources

There are many resources available to help you resolve issues you may encounter. Please check the following:

Readme File

Check the README file for the latest product information. The README file is located in the directory where you installed the product.

Product Documentation

We've spent a great deal of care and time to make sure the Total Access Detective manual and help file are very detailed. Check the Table of Contents and Index for your question, and read the appropriate pages.

Web Site Support

The FMS web site contains extensive resources to help you use our products better. Resources include product updates, frequently asked questions (FAQs), forums, information on new versions, betas, and other resources.

Web Site

The FMS web site is located at:

www.fmsinc.com

News and important announcements are posted here.

Support Site

The main support page is located at:

http://support.fmsinc.com

From this page, you can quickly locate the other support resources.

Product Updates

FMS takes product quality very seriously. When bugs are reported and we can fix them, we make the updates available on our web site. If you are encountering problems with our product, make sure you are using the latest version.

Product updates can also be checked using the update wizard. See **Using the Update Wizard** on page 23 for details.

Frequently Asked Questions (FAQs)

Common questions and additional information beyond what is in the manual is often available from our FAQs.

Microsoft Patches

Our support site also includes links to Microsoft patches that are related to our products. Make sure you're using the latest versions by checking here or visiting the Microsoft site.

Technical Support Options

FMS is committed to providing professional support for all of our products. We offer free access to our online FAQs and forums. Bug reports, feature requests, suggestions, and general pre-sales questions related to our products are always available at no cost.

Additional maintenance plans are available to provide subscribers with enhanced technical support. This is the best way for you to stay current with the rapidly changing technologies that impact project development, and to ensure you are getting the maximum return from your software investment. Please visit our web site, www.fmsinc.com, for the most up-to-date information.

Features & Benefits	Premium	Incident	Standard
Access to FAQs	✔	✔	✔
Access to Forums	✔	✔	✔
Minor Upgrades/ Bug Fixes	✔	✔	✔
Telephone Support	✔	Per incident	First 30 Days
Email Support	✔	Per incident	First 30 Days
Priority Response Time [1]	✔	✔	
Senior Engineer Support Team	✔	✔	
Email Project for Testing	✔	✔	
Programmatic Code Assistance [2]	✔	✔	

Major Upgrades for Current Version (not between Access versions)	✔	Additional fee	Additional fee
Cost	Annual Fee	Fee Per Incident	Included

1. Response generally within two business days. Actual resolution may take longer depending on complexity of the issue reported.
2. Custom Programming implementation is not provided in our Support Maintenance plans. For products that include a programmatic interface, we can provide instructions for using our programmatic interface, and show examples, but we do not implement this into your projects. This service is available from our Professional Solutions Group.

Premium Subscription

The Premium Subscription is the ideal option for customers seeking the highest level of support from FMS. The annual fee entitles you to telephone and email technical support from a senior support engineer.

From time to time, FMS may release new versions of existing products which add new features. These are point releases (e.g. from version 15.0 to 15.1) and are different from new builds that correct problems in existing features (e.g. from version 16.00.0001 to 16.00.0002).

These point releases are available for a nominal upgrade fee to existing customers. Premium Technical Support subscribers receive these upgrades automatically and for no additional charge during their subscription term.

NOTE: Upgrades between versions (for instance going from Access 2013 to Access 2016) are not considered Point Release Upgrades and are not included in the Premium Subscription.

Subscriptions are available for a twelve month period, and may be purchased at any time. You must be the registered owner of the product to purchase a subscription and the only person contacting FMS for support under the subscription.

Please ensure you have purchased the Subscription you need for Total Access Detective.

Per Incident

Our Per Incident package is available individually or by purchasing multiple incidents in advance. The Per Incident support package provides telephone

and email technical support from a Senior Technical Support Engineer for resolving one incident.

An incident is defined as a single question related to one of our products. The Per Incident period is from start to finish (report of the incident to resolution) for a single incident. If you anticipate multiple questions for a single product, we recommend purchasing the Premium Subscription.

Standard Subscription

Our Standard Subscription comes with every product purchased for no additional cost. The standard subscription comes with access to our FAQs and forums, and responses to bug reports and feature requests for that version.

Please note that the person requesting support must also be the registered user of the product. Registration is required and will be requested by our Technical Support professionals.

Contacting Technical Support

If the troubleshooting suggestions and other support resources fail to resolve your problem, please contact our technical support department. We are very interested in making sure you are satisfied with our product.

Registering Your Software

You must be registered to receive technical support. Registration also entitles you to free product updates, notifications, information about upcoming products, and beta invitations. You can even receive free email notification of our latest news.

If you purchased your product directly from FMS, you are already registered. If not, Contact Us.

Contact Us

The best way to contact us is to submit a ticket on our support site:

http://support.fmsinc.com

Please provide detailed information about the problem that you are encountering. This should include the name and version of the product, your operating system, and the specific problem. If the product generated an error file, please submit that as well.

Our ticketing system will let you track the progress of your issue and see the entire thread of communications and file attachments.

Please bear in mind that a unique issue may involve meetings between the technical support staff and product developers, so your patience is appreciated.

Microsoft Technical Support

FMS only provides technical support for its products. If you have questions regarding Microsoft products, please contact Microsoft technical support.

Appendix: Sample Reports

This section provides samples of the reports available in Total Access Detective.

Items in the Appendix

Object Comparison Reports

- Object Property Differences
- Fields Compared for Data Differences
- Data Differences by Record
- Field Differences of Modified Records
- Macro Differences
- Macro Lines
- Module Differences
- Module Printout

Database Comparison Reports

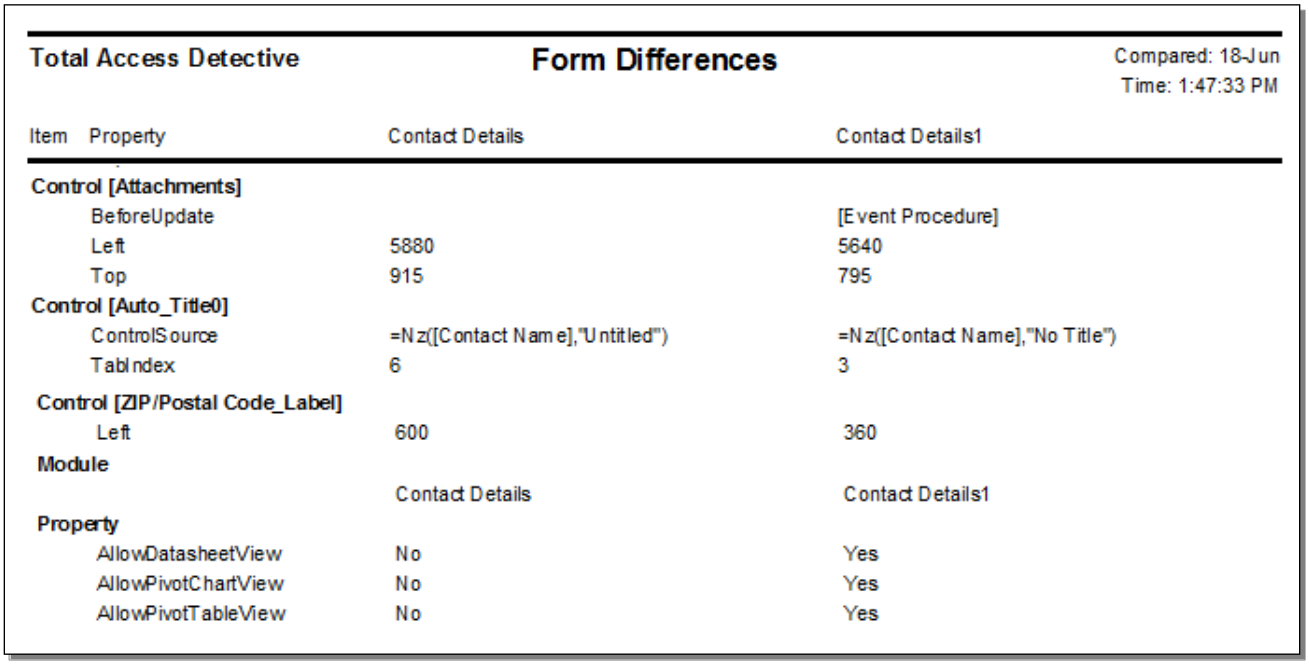
- Summary of Database Differences
- Objects in Both Databases
- Objects Not in One Database
- Selected Objects with Differences
- Selected Objects that are Identical
- Object Property Differences
- Data Differences Summary
- Data Differences Fields Compared
- Data Differences
- Macro Differences
- Macro Lines
- Module Differences
- Module Printout
- Comparison Errors
- List of Reports

Object Comparison Reports

The Object Comparison feature includes several reports for viewing and printing the differences between two objects in a database.

Object Property Differences

This report shows the differences between the two selected objects. It can display differences between tables, fields, data access pages, queries, forms, reports, controls, command bars, permissions, and relationships.



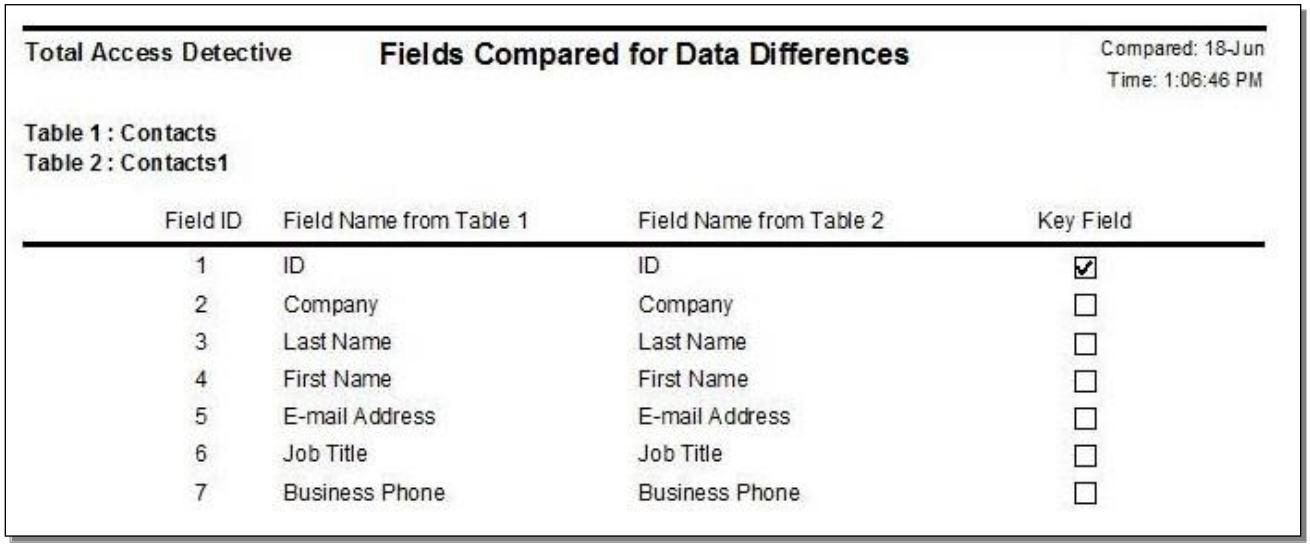
Total Access Detective — Form Differences — Compared: 18-Jun Time: 1:47:33 PM

Item	Property	Contact Details	Contact Details1
Control [Attachments]			
	BeforeUpdate		[Event Procedure]
	Left	5880	5640
	Top	915	795
Control [Auto_Title0]			
	ControlSource	=Nz([Contact Name],"Untitled")	=Nz([Contact Name],"No Title")
	TabIndex	6	3
Control [ZIP/Postal Code_Label]			
	Left	600	360
Module			
		Contact Details	Contact Details1
Property			
	AllowDatasheetView	No	Yes
	AllowPivotChartView	No	Yes
	AllowPivotTableView	No	Yes

Object Property Differences Report

Fields Compared for Data Differences

This report shows the fields that were matched for data comparison. The field names are identical between tables, unless comparison was performed by field order. The report displays the field name from each table, and whether it is a key field. For non-keyed tables or queries, if the option is selected to treat the first field as a unique identifier, that field is shown as a Key Field.



Total Access Detective **Fields Compared for Data Differences** Compared: 18-Jun Time: 1:06:46 PM

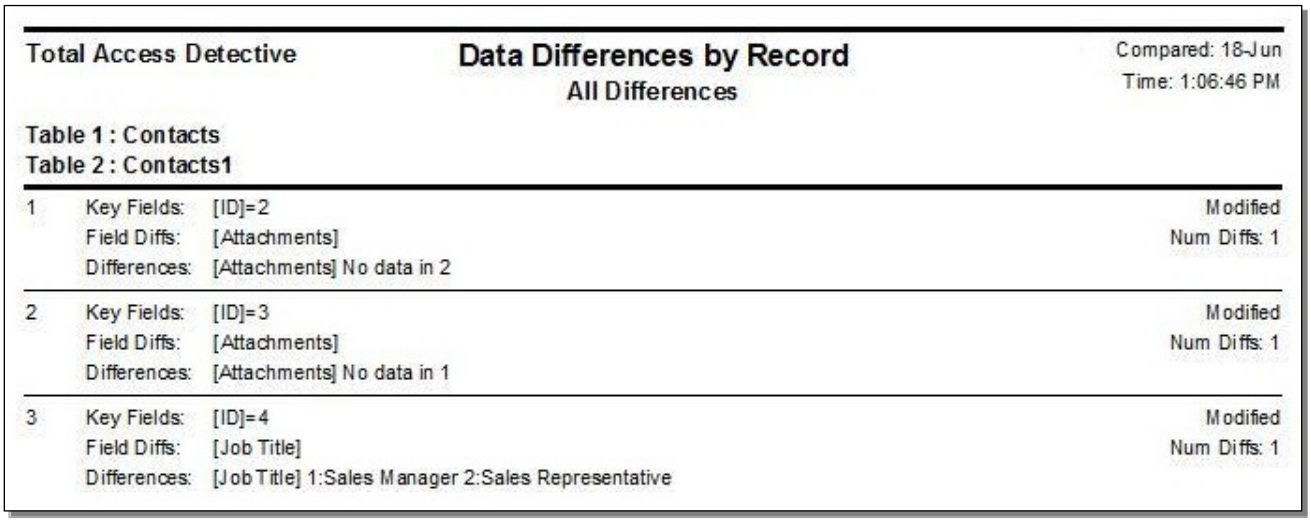
Table 1 : Contacts
Table 2 : Contacts1

Field ID	Field Name from Table 1	Field Name from Table 2	Key Field
1	ID	ID	☑
2	Company	Company	☐
3	Last Name	Last Name	☐
4	First Name	First Name	☐
5	E-mail Address	E-mail Address	☐
6	Job Title	Job Title	☐
7	Business Phone	Business Phone	☐

Fields Compared for Data Differences

Data Differences by Record

This report shows the data differences between the selected tables. It displays the key fields for the new and modified records, along with the number of fields that differ, the field names, and the actual differences. See **Data Comparison** on page 42 for more information.



Total Access Detective — Data Differences by Record — All Differences — Compared: 18-Jun Time: 1:06:46 PM

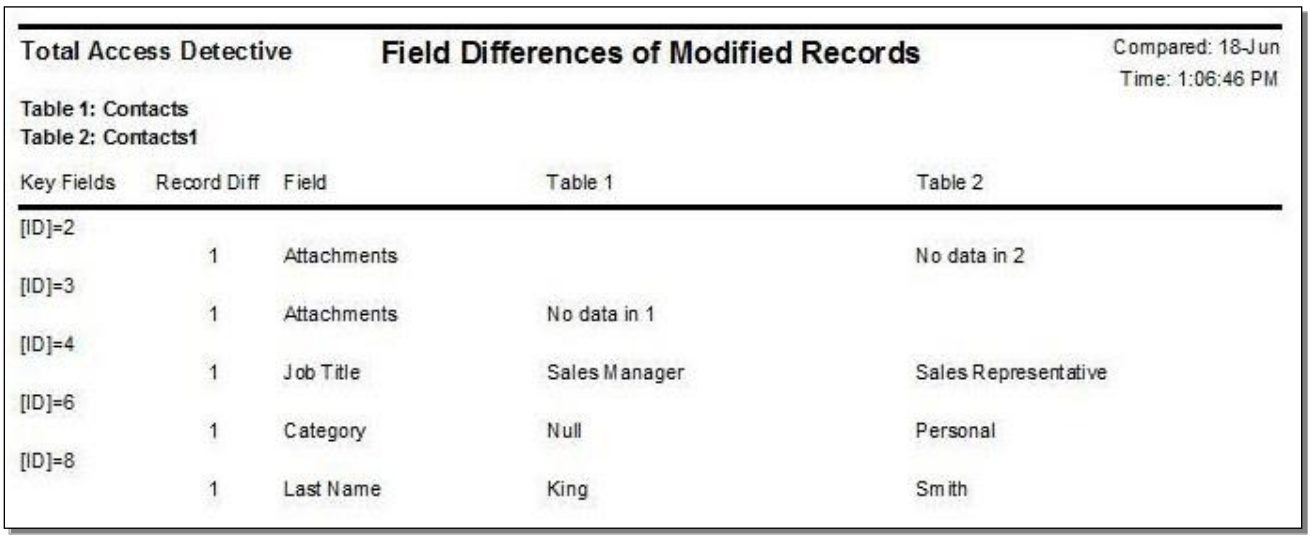
Table 1 : Contacts
Table 2 : Contacts1

1	Key Fields:	[ID]=2	Modified
	Field Diffs:	[Attachments]	Num Diffs: 1
	Differences:	[Attachments] No data in 2	
2	Key Fields:	[ID]=3	Modified
	Field Diffs:	[Attachments]	Num Diffs: 1
	Differences:	[Attachments] No data in 1	
3	Key Fields:	[ID]=4	Modified
	Field Diffs:	[Job Title]	Num Diffs: 1
	Differences:	[Job Title] 1:Sales Manager 2:Sales Representative	

Data Differences by Record Report

Field Differences of Modified Records

This report shows the data differences for modified records in the selected tables side by side. It displays the key fields, along with the number of fields that differ, the field names, and the actual differences. This report only shows records that were modified, not records that exist in one table and not in the other (records that were inserted or deleted).



Total Access Detective — Field Differences of Modified Records — Compared: 18-Jun Time: 1:06:46 PM

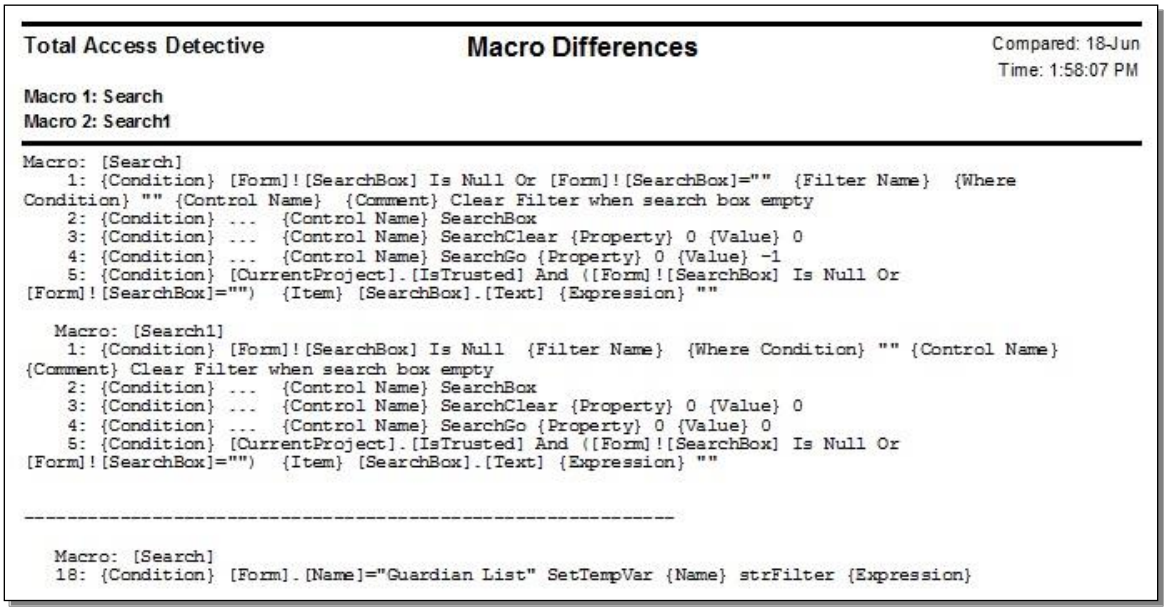
Table 1: Contacts
Table 2: Contacts1

Key Fields	Record Diff	Field	Table 1	Table 2
[ID]=2	1	Attachments		No data in 2
[ID]=3	1	Attachments	No data in 1	
[ID]=4	1	Job Title	Sales Manager	Sales Representative
[ID]=6	1	Category	Null	Personal
[ID]=8	1	Last Name	King	Smith

Field Differences of Modified Records

Macro Differences

This report shows the differences between the selected macros.



Total Access Detective — Macro Differences — Compared: 18-Jun Time: 1:58:07 PM

Macro 1: Search
Macro 2: Search1

```
Macro: [Search]
    1: {Condition} [Form]![SearchBox] Is Null Or [Form]![SearchBox]=""  {Filter Name}  {Where
Condition} "" {Control Name}  {Comment} Clear Filter when search box empty
    2: {Condition} ...  {Control Name} SearchBox
    3: {Condition} ...  {Control Name} SearchClear {Property} 0 {Value} 0
    4: {Condition} ...  {Control Name} SearchGo {Property} 0 {Value} -1
    5: {Condition} [CurrentProject].[IsTrusted] And ([Form]![SearchBox] Is Null Or
[Form]![SearchBox]="")  {Item} [SearchBox].[Text] {Expression} ""

   Macro: [Search1]
    1: {Condition} [Form]![SearchBox] Is Null  {Filter Name}  {Where Condition} "" {Control Name}
{Comment} Clear Filter when search box empty
    2: {Condition} ...  {Control Name} SearchBox
    3: {Condition} ...  {Control Name} SearchClear {Property} 0 {Value} 0
    4: {Condition} ...  {Control Name} SearchGo {Property} 0 {Value} 0
    5: {Condition} [CurrentProject].[IsTrusted] And ([Form]![SearchBox] Is Null Or
[Form]![SearchBox]="")  {Item} [SearchBox].[Text] {Expression} ""


------------------------------------------------------------

   Macro: [Search]
  18: {Condition} [Form].[Name]="Guardian List" SetTempVar {Name} strFilter {Expression}
```

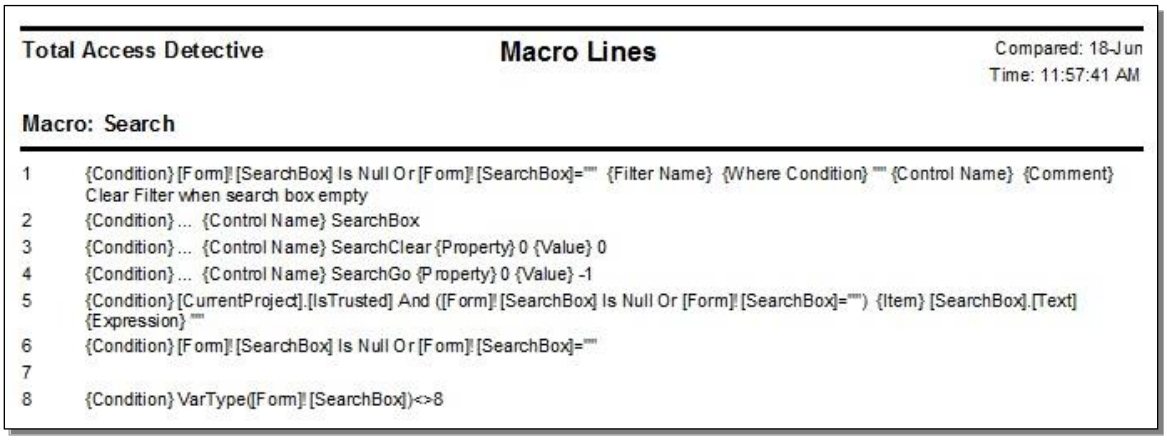
Macro Differences Report

There are similar reports for Embedded Macro differences on forms and reports.

This report displays the blocks of code that are different. If your code is large and complex, use this report in conjunction with the Macro Lines report to determine the complete context of each block of code.

Macro Lines

This report shows the complete source code for the selected macros. Along with the code, the report displays line numbers, which are reset to 1 at the beginning of each macro name. These line numbers are referenced in the **Macro Differences** report.



Total Access Detective — Macro Lines — Compared: 18-Jun Time: 11:57:41 AM

Macro: Search

1	{Condition} [Form]![SearchBox] Is Null Or [Form]![SearchBox]="" {Filter Name} {Where Condition} "" {Control Name} {Comment} Clear Filter when search box empty
2	{Condition} ... {Control Name} SearchBox
3	{Condition} ... {Control Name} SearchClear {Property} 0 {Value} 0
4	{Condition} ... {Control Name} SearchGo {Property} 0 {Value} -1
5	{Condition} [CurrentProject].[IsTrusted] And ([Form]![SearchBox] Is Null Or [Form]![SearchBox]="") {Item} [SearchBox].[Text] {Expression} ""
6	{Condition} [Form]![SearchBox] Is Null Or [Form]![SearchBox]=""
7	
8	{Condition} VarType([Form]![SearchBox])<>8

Macro Lines Report

There are similar reports for Embedded Macro differences on forms and reports.

Module Differences

This report shows the differences between the selected modules.

Total Access Detective **Module Differences** Compared: 18-Jun
Time: 2:02:43 PM

Module 1: CFile
Module 2: CFileDialog

```
Procedure (General Declarations)
   Module: [CFile]
    5: ' Class       : CFileDialog

   Module: [CFileDialog]
    5: Option Compare Database
    6: Option Explicit
    7:
    8: ' Class       : CFileDialog


------------------------------------------------------------

Procedure (General Declarations)
   Module: [CFile]
```

Module Differences Report

This report only displays the blocks of code that are different. If your code is large and complex, use this report in conjunction with the Module Source Code report to determine the complete context of each block of code.

Identical Procedures

This report shows the list of procedures that are identical between the two modules. This makes it easy to confirm nothing changed in those procedures. Procedures are not listed if the entire module is identical.

Total Access Detective **Identical Procedures** Compared: 25-Oct
Time: 5:08:48 PM

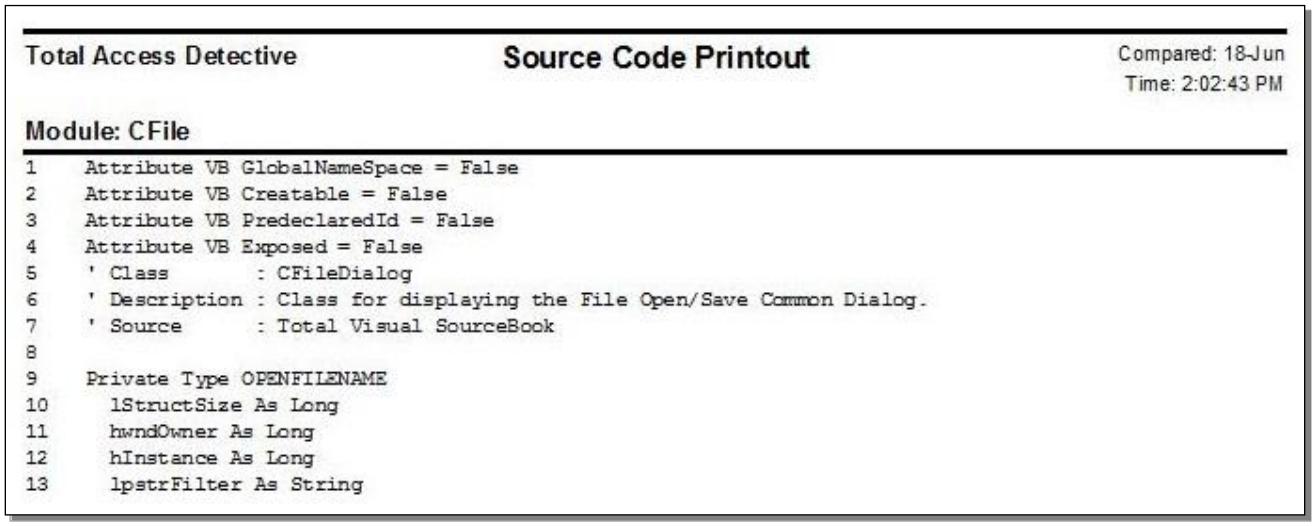
Module 1: clsTAD_Prepare
Module 2: clsTAD_Prepare2

```
(General Declarations)
Initialize
Class_Terminate
pPrepareFileCreate
pDDBPropsTableFill
PrepareDatabase
WriteDB
PrepareImportExport
PrepareCommandBars
pPrepareCommandBarControls
WriteCB
WriteCBCtl
PreparePages
WritePage
PrepareReferences
WriteRef
WriteObject
WriteModule
WriteProperty
pCheckWriteNewProperty
```

Identical Procedure Names

Module Printout

This report shows the complete source code for the selected modules. Along with the code, the report displays line numbers, which are reset to 1 at the beginning of each procedure. These line numbers are referenced in the **Module Differences** report.



Total Access Detective **Source Code Printout** Compared: 18-Jun Time: 2:02:43 PM

Module: CFile

```
1    Attribute VB_GlobalNameSpace = False
2    Attribute VB_Creatable = False
3    Attribute VB_PredeclaredId = False
4    Attribute VB_Exposed = False
5    ' Class       : CFileDialog
6    ' Description : Class for displaying the File Open/Save Common Dialog.
7    ' Source      : Total Visual SourceBook
8
9    Private Type OPENFILENAME
10     lStructSize As Long
11     hwndOwner As Long
12     hInstance As Long
13     lpstrFilter As String
```

Module Printout Report

Database Comparison Reports

The Database Comparison feature includes several reports for viewing and printing the differences between two databases. View a list of all available reports by clicking the [Reports] button from the View Menu.

Summary of Database Differences

This report shows a summary of the database comparison:

Total Access Detective

Summary of Database Differences

Compared: 18-Jun
Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Object Comparison Summary

Object Type	Total Objects	In DB 1 Not DB 2	In DB 2 Not DB 1	Identical Names	Selected Objects	Differences			Errors
						Objects	Properties	Code	
Database	2			1	1	1	2		
Table	11	1	2	4	4	4	50		
Query	2			1	1	1	44		
Form	8			4	4	2	134		
Report	7		3	2	2	1	35		
Page	0								
Macro	7		1	3	3	2	4	6	
Module	5	1		2	2	1	3	52	
CommandBar	0								
Reference	8			4	4				
ImportExport	4	2	2						
Total	54	4	8	21	21	12	272	58	

Data Difference Summary for Tables with or without a Primary Key

Primary Key	Tables with Differences	Records New in 1	Records New in 2	Records Modified	Total Records New + Modified
☑	1			7	7

Summary of Database Differences Report

Objects in Both Databases

This report shows a list of objects that have identical names and object types in both databases, along with their modification dates and whether they were selected for comparison. This report is also available from page 2 of the Database Comparison wizard (see **Printing the List of Identically Named Objects** on page 63 for details).

Total Access Detective

Objects in Both Databases

Compared: 18-Jun
Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Object Name	Selected	Different Dates	Database 1 Last Modified	Database 2 Last Modified
Form				
Contact Details	☑	☐	6/16 2:56:12 PM	6/16 2:56:12 PM
Contact List	☑	☐	6/16 2:56:13 PM	6/16 2:56:13 PM
Filter Details	☑	☑	6/18 10:34:55 AM	6/18 10:33:50 AM
Getting Started	☑	☐	6/16 2:56:12 PM	6/16 2:56:12 PM
Macro				
AutoExec	☑	☐	6/16 2:56:13 PM	6/16 2:56:13 PM
Filters	☑	☑	6/18 10:34:56 AM	6/18 10:33:50 AM
Search	☑	☑	6/18 10:34:56 AM	6/18 10:33:50 AM
Module				
CFileDialog	☑	☑	6/17 3:02:20 PM	6/18 10:31:46 AM
modMapping	☑	☐	6/16 2:56:13 PM	6/16 2:56:13 PM
Query				
Contacts Extended	☑	☑	6/16 2:56:13 PM	6/18 10:41:17 AM

Objects in Both Databases Report

The Selected Objects report is similar and only shows the objects selected for comparison.

Objects Not in One Database

Two reports show objects only in one of the two databases:

- Objects in Database 1 Not in Database 2
- Objects in Database 2 Not in Database 1

Use these reports to determine which objects were added or deleted.

Total Access Detective **Objects in Database 1 Not In Database 2** Compared: 18-Jun
Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Object Type	Object Name
ImportExport	Export-Contacts Table
	Import-Students Table
Module	CFile
Table	Contacts1

Objects Not in One Database Report

Selected Objects with Differences

This report shows a list of objects that exist in both databases that have differences with the number of property and/or code differences in each, plus a summary by object type.

Total Access Detective **Objects with Differences** Compared: 18-Jun
Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Object Type	Object Name	Property Differences	Code Differences
Database		2	
	Total Database Differences	**2**	
Form	Contact Details	132	
	Filter Details	2	
	Total Form Differences	**134**	
Macro	Filters	2	2
	Search	2	4
	Total Macro Differences	**4**	**6**
Module	CFileDialog	3	52
	Total Module Differences	**3**	**52**
Query	Contacts Extended	44	
	Total Query Differences	**44**	

Selected Objects with Differences Report

Selected Objects that are Identical

This report shows objects selected for comparison that do not have differences.

Total Access Detective — **Identical Objects in Both Databases** — Compared: 18-Jun Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Object Name	Different Dates	Database 1 Last Modified	Database 2 Last Modified
Form			
Contact List	☐	6/16 2:56:13 PM	6/16 2:56:13 PM
Getting Started	☐	6/16 2:56:12 PM	6/16 2:56:12 PM
Macro			
AutoExec	☐	6/16 2:56:13 PM	6/16 2:56:13 PM
Module			
modMapping	☐	6/16 2:56:13 PM	6/16 2:56:13 PM
Reference			
Access			
DAO			
Report			
Phone Book	☐	6/16 2:56:13 PM	6/16 2:56:13 PM

Selected Objects that are Identical Report

Object Property Differences

This report shows the property differences between the selected pairs of identically named objects in the two databases. It includes differences in tables, fields, queries, forms, reports, data access pages, controls, command bars, and permissions. This report does not include macro, module, or data differences.

There are two Object Property Differences reports with different layouts:

- Object Property Differences (Portrait)
- Object Property Differences (Landscape)

Total Access Detective — **Object Differences** — Compared: 18-Jun Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Property	Database 1	Database 2
Object Type: Database		
Database		
Name	C:\Contacts\Contacts.accdb	C:\Contacts\Contacts_New.accdb
UseMDIMode	Overlapping Windows	Tabbed Documents
Object Type: Form		
Form Contact Details		
AllowDatasheetView	No	Yes
AllowPivotChartView	No	Yes
AllowPivotTableView	No	Yes
AutoCenter	Yes	No
AutoResize	Yes	No
BorderStyle	Sizable	None
Caption		Contact Details

Object Property Differences Report

Data Differences Summary

This report shows a summary of the data differences between the selected tables. It displays the number of new records and modified records in each table. See **Compare Table Data** on page 65 for details.

Total Access Detective — **Summary of Data Differences** — Compared: 18-Jun Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Table Name	Records in 1	Records in 2	New in 1	New in 2	Modified	New + Modified
Tables with a Primary Key						
Contacts	8	8			7	7
Totals	8	8	0	0	7	7
Grand Total	**8**	**8**	**0**	**0**	**7**	**7**

Data Differences Summary Report

Data Differences Fields Compared

By default, identical field names are compared. If you choose another data comparison option such as comparing fields based on field order or only comparing identically named tables, this report shows which fields were compared to each other. For non-keyed tables, if you choose to treat the first field as a unique identifier, it is shown as the Key Field.

Total Access Detective — **Fields Compared for Data Differences** — Compared: 18-Jun Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

Name	Field ID	Field Name from Database 1	Field Name from Database 2	Key Field
Contacts				
	1	ID	ID	☑
	2	Company	Company	☐
	3	Last Name	Last Name	☐
	4	First Name	First Name	☐
	5	E-mail Address	E-mail Address	☐
	6	Job Title	Job Title	☐
	7	Business Phone	Business Phone	☐
	8	Home Phone	Home Phone	☐
	9	Mobile Phone	Mobile Phone	☐
	10	Fax Number	Fax Number	☐
	11	Address	Address	☐

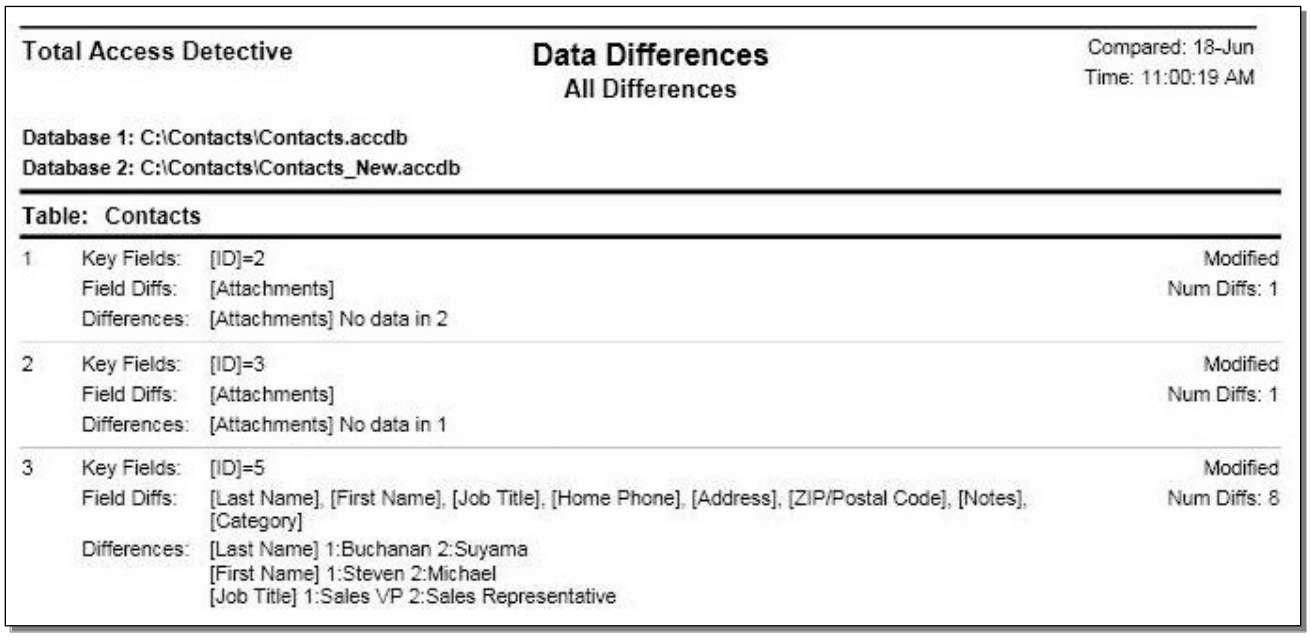
Data Differences Fields Compared Report

Data Differences

Several reports are available to show the data differences between the selected tables:

- Data Differences (All):
  Shows all data differences between tables.
- Data Differences (New in Database 1)
  Shows new records in database 1 for indexed tables.
- Data Differences (New in Database 2)
  Shows new records in database 2 for indexed tables.
- Data Differences (Modified Only)
  Shows modified records for indexed tables.
- Data Differences (Non-Keyed Tables)
  Shows the first modified record for un-indexed (non-keyed) tables.

These reports display the key fields for the new and modified records, along with the number of fields that differ, the field names, and the actual differences. See **Compare Table Data** on page 65 for details.



Total Access Detective

Data Differences
All Differences

Compared: 18-Jun
Time: 11:00:19 AM

Database 1: C:\Contacts\Contacts.accdb
Database 2: C:\Contacts\Contacts_New.accdb

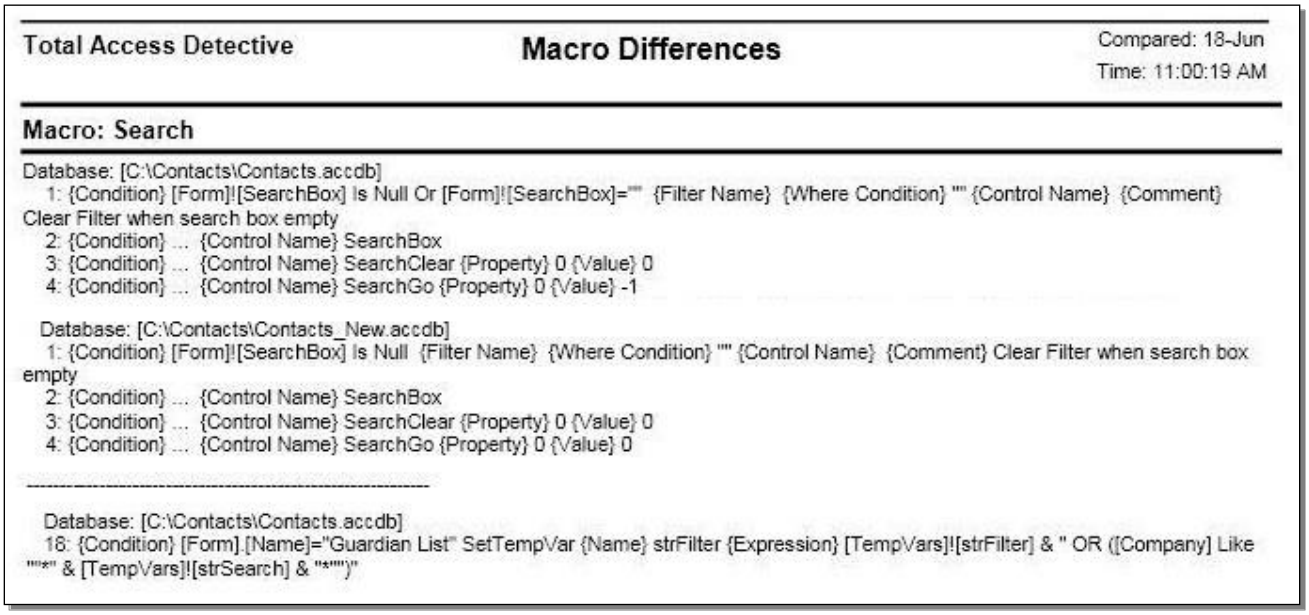
Table: Contacts

1	Key Fields:	[ID]=2	Modified
	Field Diffs:	[Attachments]	Num Diffs: 1
	Differences:	[Attachments] No data in 2	
2	Key Fields:	[ID]=3	Modified
	Field Diffs:	[Attachments]	Num Diffs: 1
	Differences:	[Attachments] No data in 1	
3	Key Fields:	[ID]=5	Modified
	Field Diffs:	[Last Name], [First Name], [Job Title], [Home Phone], [Address], [ZIP/Postal Code], [Notes], [Category]	Num Diffs: 8
	Differences:	[Last Name] 1:Buchanan 2:Suyama [First Name] 1:Steven 2:Michael [Job Title] 1:Sales VP 2:Sales Representative	

Data Differences (All) Report

Macro Differences

This report shows the differences between the selected macros.



Total Access Detective — Macro Differences — Compared: 18-Jun Time: 11:00:19 AM

Macro: Search

Database: [C:\Contacts\Contacts.accdb]
1: {Condition} [Form]![SearchBox] Is Null Or [Form]![SearchBox]="" {Filter Name} {Where Condition} "" {Control Name} {Comment} Clear Filter when search box empty
2: {Condition} ... {Control Name} SearchBox
3: {Condition} ... {Control Name} SearchClear {Property} 0 {Value} 0
4: {Condition} ... {Control Name} SearchGo {Property} 0 {Value} -1

Database: [C:\Contacts\Contacts_New.accdb]
1: {Condition} [Form]![SearchBox] Is Null {Filter Name} {Where Condition} "" {Control Name} {Comment} Clear Filter when search box empty
2: {Condition} ... {Control Name} SearchBox
3: {Condition} ... {Control Name} SearchClear {Property} 0 {Value} 0
4: {Condition} ... {Control Name} SearchGo {Property} 0 {Value} 0

Database: [C:\Contacts\Contacts.accdb]
16: {Condition} [Form].[Name]="Guardian List" SetTempVar {Name} strFilter {Expression} [TempVars]![strFilter] & " OR ([Company] Like ""*" & [TempVars]![strSearch] & "*"")"

Macro Differences Report

There are similar reports for Embedded Macro differences on forms and reports.

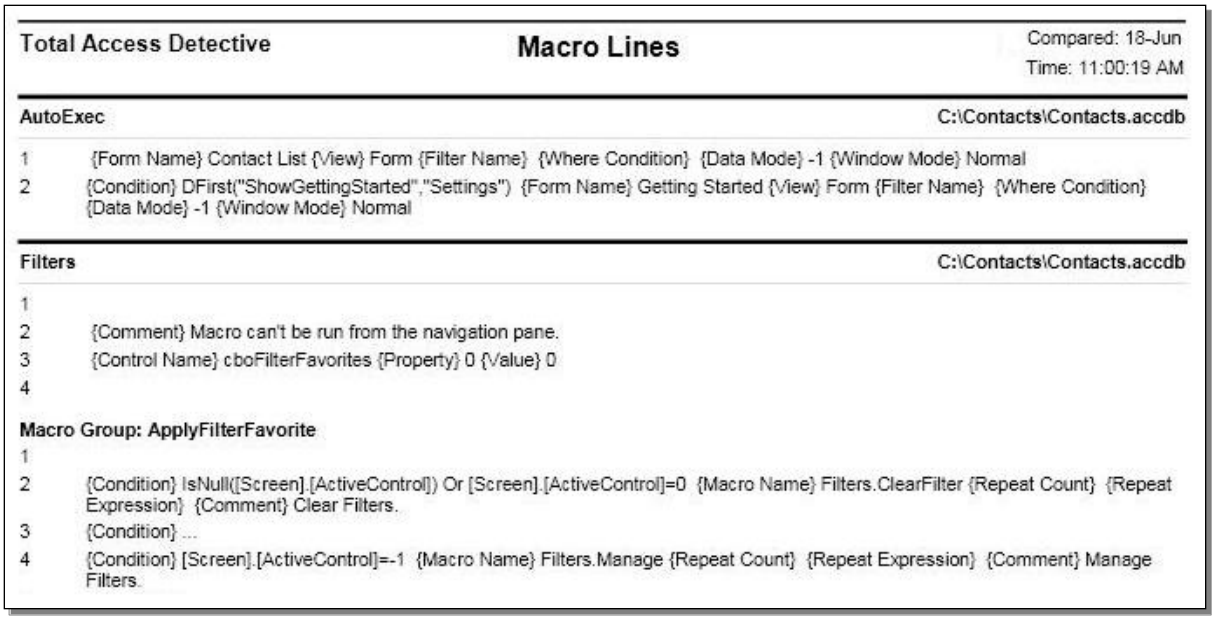
This report only displays the blocks of code that are different. If your code is large and complex, use this report in conjunction with the Macro Source Code report for the complete context of each block of code.

Macro Lines

This report shows the complete source code for the selected macros. Along with the code, the report displays line numbers, which start at 1 for each macro name. These line numbers are referenced in the **Macro Differences** report. This report is available in these formats:

- Macro Lines from Database 1
- Macro Lines from Database 2
- Macro Lines from Both Databases

The lines from the same macro from each database are printed one after the other. For short macros, both macros can appear on one page for visual comparison.



Total Access Detective — Macro Lines — Compared: 18-Jun Time: 11:00:19 AM

AutoExec — C:\Contacts\Contacts.accdb

1 {Form Name} Contact List {View} Form {Filter Name} {Where Condition} {Data Mode} -1 {Window Mode} Normal

2 {Condition} DFirst("ShowGettingStarted","Settings") {Form Name} Getting Started {View} Form {Filter Name} {Where Condition} {Data Mode} -1 {Window Mode} Normal

Filters — C:\Contacts\Contacts.accdb

1

2 {Comment} Macro can't be run from the navigation pane.

3 {Control Name} cboFilterFavorites {Property} 0 {Value} 0

4

Macro Group: ApplyFilterFavorite

1

2 {Condition} IsNull([Screen].[ActiveControl]) Or [Screen].[ActiveControl]=0 {Macro Name} Filters.ClearFilter {Repeat Count} {Repeat Expression} {Comment} Clear Filters.

3 {Condition} ...

4 {Condition} [Screen].[ActiveControl]=-1 {Macro Name} Filters.Manage {Repeat Count} {Repeat Expression} {Comment} Manage Filters.

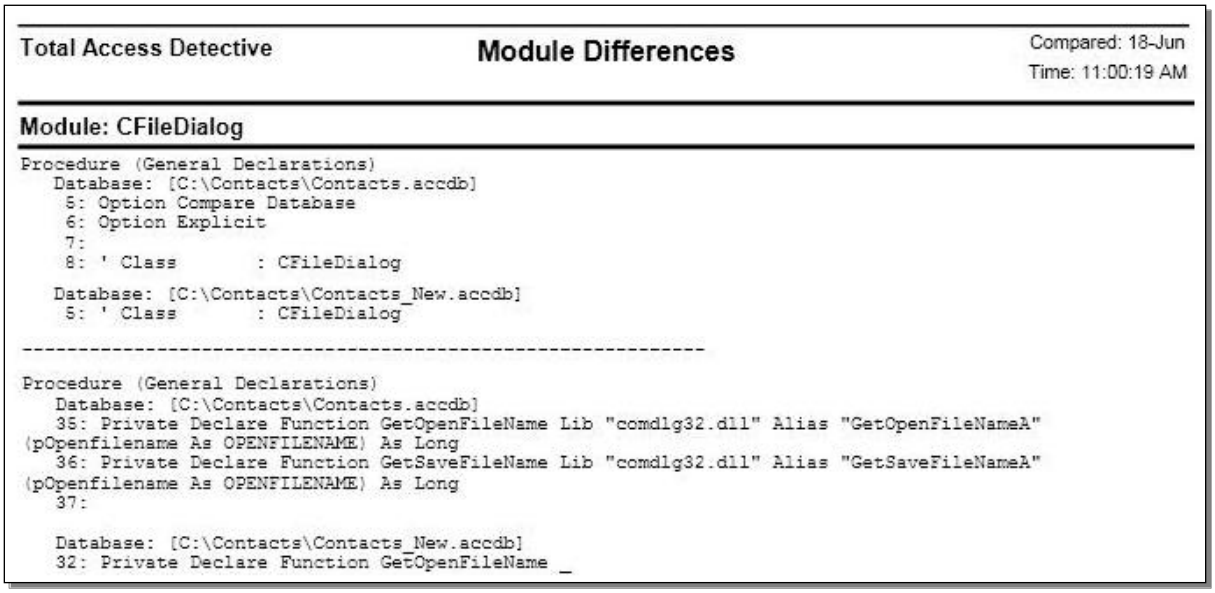
Macro Lines Report

There are similar reports for Embedded Macro differences on forms and reports

Module Differences

These reports show the differences between the selected modules:

- All Module Differences (Form, Report and Standard Module differences)
- Standard Module Differences
- Form Module Differences
- Report Module Differences



Total Access Detective — Module Differences — Compared: 18-Jun Time: 11:00:19 AM

Module: CFileDialog

```
Procedure (General Declarations)
   Database: [C:\Contacts\Contacts.accdb]
    5: Option Compare Database
    6: Option Explicit
    7:
    8: ' Class       : CFileDialog

   Database: [C:\Contacts\Contacts_New.accdb]
    5: ' Class       : CFileDialog

---------------------------------------------------------------

Procedure (General Declarations)
   Database: [C:\Contacts\Contacts.accdb]
   35: Private Declare Function GetOpenFileName Lib "comdlg32.dll" Alias "GetOpenFileNameA"
(pOpenfilename As OPENFILENAME) As Long
   36: Private Declare Function GetSaveFileName Lib "comdlg32.dll" Alias "GetSaveFileNameA"
(pOpenfilename As OPENFILENAME) As Long
   37:

   Database: [C:\Contacts\Contacts_New.accdb]
   32: Private Declare Function GetOpenFileName _
```

Module Differences Report

This report only displays the blocks of code that differ. If your code is large and complex, use this report with the Module Code report to determine the complete context of each block of code.

Module Identical Procedures

This report shows all the procedure names with no differences for modules that have other differences. If a module has no differences at all, its procedures are not listed.

Four reports are available:

- All Module Identical Procedures
- Standard Module Identical Procedures
- Form Module Identical Procedures
- Report Module Identical Procedures

Total Access Detective **Identical Procedures** Compared: 25-Oct Time: 4:33:09 PM

Module: basWinAPI

```
GetFileSize
GetFileHandle
```

Module: clsBlastManager

```
(General Declarations)
Class_Initialize
Class_Terminate
SendBlast
SendEmail
```

Module: modEmbeddedObject

```
p_FilterDataExport
p_RemoveTempName
ReadCombineHTMLReport
ReadOneHTMLFile
FMS_SplitFileName
FMS_DoubleStringQuotes
FMS_GetTextFromFile
FMS_GetObjectString
FMS_GetReportRecordSource
FMS_AddEmbeddedSetup
FMS_WriteEmbeddedItem
FMS_OpenReportHidden
```

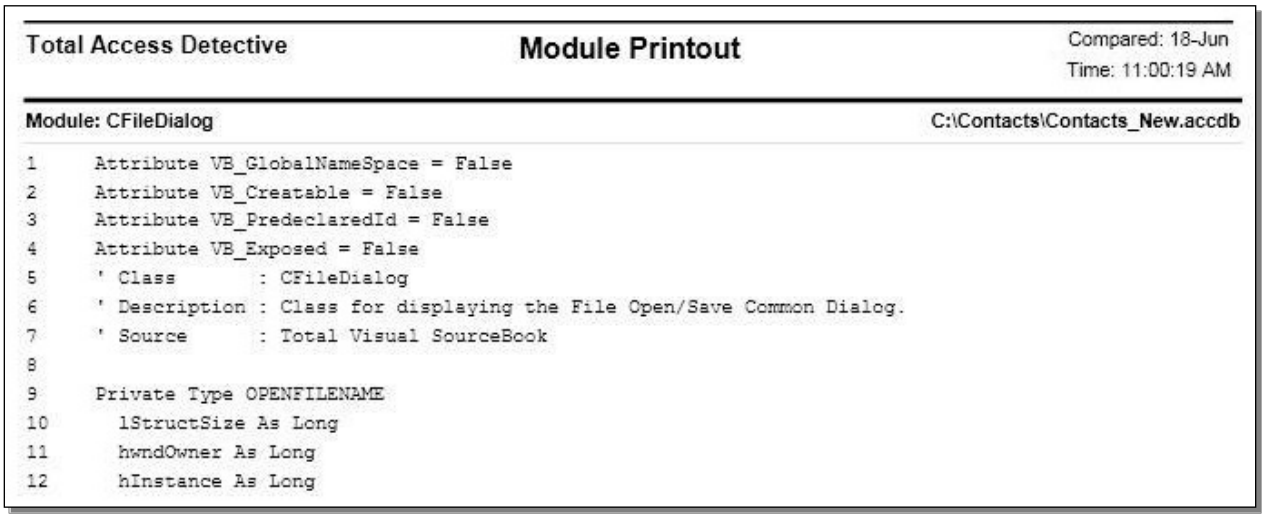
Identical Procedures Report

Module Printout

These reports show the complete source code for the selected modules. Along with the code, the report displays line numbers, which start at 1 for each procedure. These line numbers are referenced in the **Module Differences** reports.

Six reports are available:

- Module Code from Database 1
- Module Code from Database 2
- Form Module Code from Database 1
- Form Module Code from Database 2
- Report Module Code from Database 1
- Report Module Code from Database 2



Total Access Detective — Module Printout — Compared: 18-Jun Time: 11:00:19 AM

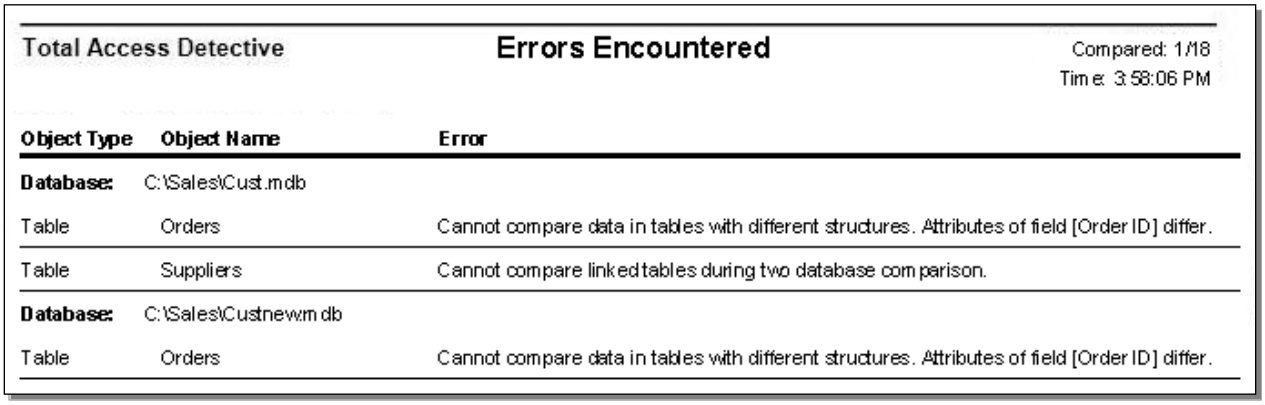
Module: CFileDialog — C:\Contacts\Contacts_New.accdb

```
1     Attribute VB_GlobalNameSpace = False
2     Attribute VB_Creatable = False
3     Attribute VB_PredeclaredId = False
4     Attribute VB_Exposed = False
5     ' Class       : CFileDialog
6     ' Description : Class for displaying the File Open/Save Common Dialog.
7     ' Source      : Total Visual SourceBook
8
9     Private Type OPENFILENAME
10      lStructSize As Long
11      hwndOwner As Long
12      hInstance As Long
```

Module Printout Report

Comparison Errors

This report shows any errors encountered by Total Access Detective during the comparison process. You should always check this report to ensure that all objects were correctly compared.



Total Access Detective — Errors Encountered — Compared: 1/18 Time: 3:58:06 PM

Object Type	Object Name	Error
Database:	C:\Sales\Cust.mdb	
Table	Orders	Cannot compare data in tables with different structures. Attributes of field [Order ID] differ.
Table	Suppliers	Cannot compare linked tables during two database comparison.
Database:	C:\Sales\Custnewm.mdb	
Table	Orders	Cannot compare data in tables with different structures. Attributes of field [Order ID] differ.

Errors Report

List of Reports

There is a system report listing the available reports and their export file names which are used when you export the report to a format like PDF, HTML, etc.

Total Access Detective

List of Reports

	Report Name and Description	Export File Name
1	Database Comparison Summary *Summary of database differences*	DatabaseComparisonSummary
2	Objects in Both Databases *Objects with the same name in both databases*	ObjectsInBothDatabases
3	Objects in Database 1 Not in Database 2 *Object names in database 1 but not in database 2*	ObjectsIn1NotIn2
4	Objects in Database 2 Not in Database 1 *Object names in database 2 but not in database 1*	ObjectsIn2NotIn1
5	Selected Objects *List of selected objects*	SelectedObjects

List of Reports

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