



Database Analyzer Pro Help Guide

Version 4.29

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Mendip Data Systems
Updated 12 Feb 2025*

<https://isladogs.co.uk/database-analyzer-pro/>

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1. Introduction

This is a **significantly enhanced version** of my [Database Analyzer & Viewer Pro](#) application. It is designed to analyze a comprehensive range of items in any **external Access database** without opening it directly.

It should be particularly useful when taking over existing applications from clients where a detailed understanding of the **structure** and **size** of **each database object** is an important first step in planning any work required.

For example, tables with a **large number of fields** and/or **complex datatypes** may be a prime candidate for **restructuring**. Similarly for tables which occupy a **large disk space**.

Analysis features include:

- database objects, object metadata and get object sizes.
- table data and table design.
- table fields and field properties.
- query properties, design, SQL and data
- form and control properties, controls, event procedures and embedded macros
- report and control properties, controls, event procedures and embedded macros
- list of macros and macro actions
- list of VBA procedures, module code and 32/64-bit API declarations
- relationships, subdatasheets and VBA references
- object dependencies and orphans
- list of add-ins; custom and built-in command bars
- import/export specifications and data tasks
- custom ribbons and shared resources
- database summary and properties
- summary of database issues including bad names, use of reserved words, unused tables etc

Almost all features are accessed from the main form:

Table Name	Table Type	Hidden	Include?	Fields	Records	Table Size (kilobytes)
tblAccessInfo	Local	☒	☒	2	32	20
tblActivePeople	Local	☒	☒	20	30	48
tblAddressSample	Local	☒	☒	5	3	20
tblAlbums	Local	☒	☒	4	4	32
tblAlbumsTracks	Local	☒	☒	4	42	16
tblAnimals	Local	☒	☒	3	100	28
tblAthletes	Local	☒	☒	7	1587	176
tblAthletics	Local	☒	☒	2	7	16
tblAthleticsEvents	Local	☒	☒	9	190	32
tblAvailability	Local	☒	☒	2	1	20
tblAvailabilityCalendarEntries	Local	☒	☒	7	118	32
tblAvailabilityResources	Local	☒	☒	3	9	20
tblAwkwardString	Local	☒	☒	2	100	24
tblAzureInsights	Local	☒	☒	148	0	48
tblBadeve	Local	☒	☒	6	4	8
tblBadeveImages	Local	☒	☒	4	8	24
tblBadeveLanguages	Local	☒	☒	3	4	20
tblBadeveLinks	Local	☒	☒	4	12	20
tblBadevePrices	Local	☒	☒	5	12	20
tblBadeveRegions	Local	☒	☒	3	4	20
tblBikes	Local	☒	☒	9	31	28
tblBitcoin	Local	☒	☒	10	2	20
tblBooks	Local	☒	☒	9	100	52
tblCake	Local	☒	☒	4	1	20
tblCakeBatter	Local	☒	☒	4	4	20

Summary: Number of Tables: 175, Number of Unused Tables: 74, Total Size (megabytes): 11.906, Total Size (kilobytes): 12192

A wide range of reports are also available including a full analysis report with a table of contents.

2. Main Features

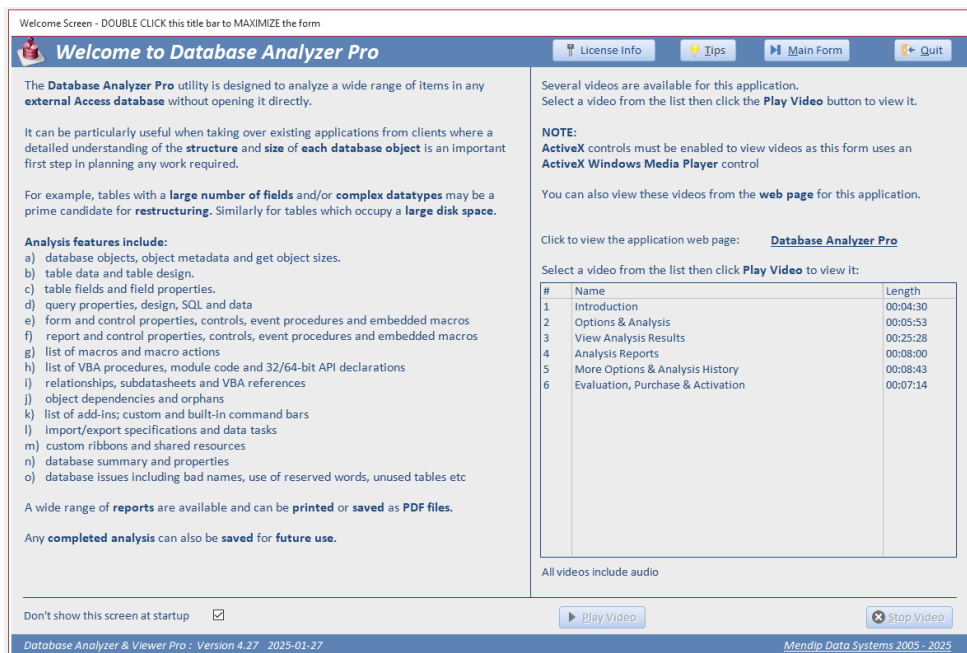
2.1 Splash screen (OPTIONAL)

Can be shown at startup



2.2 Welcome screen (OPTIONAL)

Outline of the purpose and main features of the application.



Several training videos are available from this screen. For example:



2.3 Main Form

All database analysis is run from the main form

Click the **Browse** button to select a database for analysis.

If the database is encrypted, you will be prompted to enter the password.

You can choose to select all analysis options or select just the items you need (see [section 7](#)).

Detailed information is provided on each step of the analysis with progress bars whilst the analysis is running.

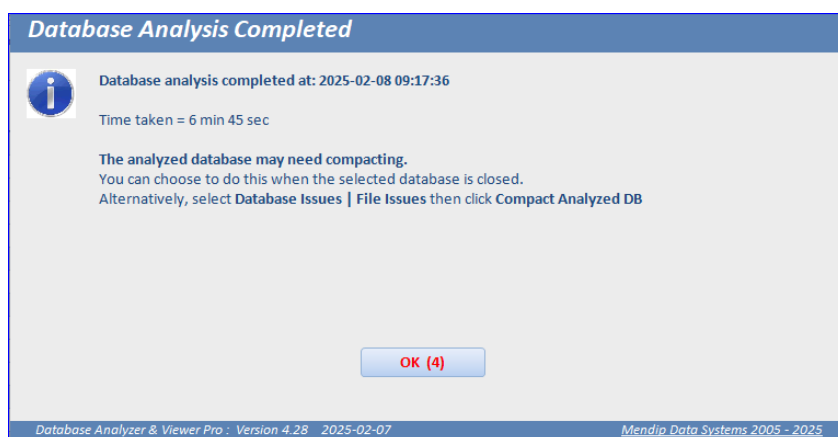
The analysis may take several minutes to complete for large databases with many objects.

However, it can be left to run unattended and can be cancelled at any time.



As a rough guide, running a complete analysis for the new Northwind Developers edition template database may take about 10 minutes. Analyzing the Northwind Starter edition takes about 5 minutes.

When the analysis has completed, a message similar to that below will be shown:



Like all messages that may appear during the analysis, this will be displayed for 10 seconds then automatically dismissed with the default button clicked.

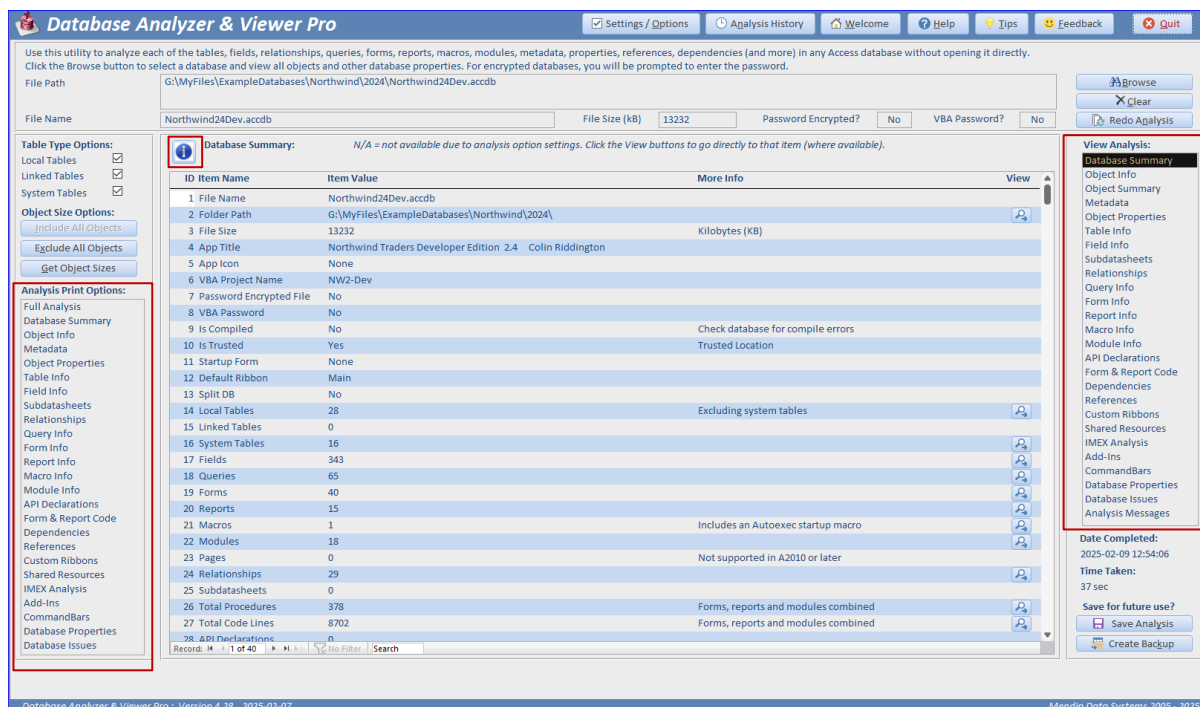
A wide range of options are then available for viewing / printing the results of the analysis (see [section 3](#)).

3. Analysis Options

3.1 Database Summary (NEW)

This is displayed when the analysis has completed. It gives a simple summary of database objects and properties. For certain items (e.g. Tables / Forms etc) a **View** button gives a direct link to detailed information about those items.

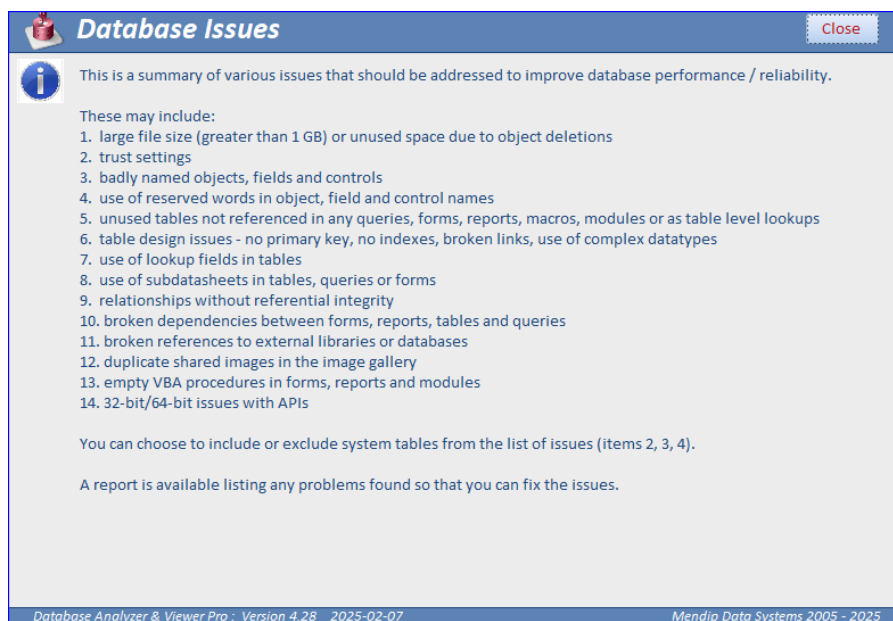
The database summary can also be selected at any time from the **View Analysis** list on the right of the screen.



For more information about the analysis screen currently in use, click the small information button



For example, the information for the **Database Issues** screen:



A list of **Analysis Print Options** is available from the list on the left of the screen

You can add also **repeat** the analysis adding additional items at any time (see [section 7](#))

3.2 Database Objects

This provides detailed information about each object including object type / default view / object size and whether the object is hidden or system. The list can be filtered by object type / name.

Highlighting denotes objects that are poorly named (red) or use reserved words (purple) on both this and subsequent subforms. Each object can be saved as a text file for backup purposes or for importing into another database.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb

File NameNorthwind24Dev.accdbFile Size (kB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables
Linked Tables
System Tables

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Object Info:
Select an object: Object Type: Object Name: Clear Filters Save All Objects As Text

Poorly named objects are shown in RED
Object names using reserved words are in PURPLE

Object	Name	Object Type / Default View	Type	Flags	Hidden	System	Include	Size (kB)
Form	_Design	Single	-32768	0				80
Form	frmAbout	Single	-32768	0				100
Form	frmAdmin	Single	-32768	0				84
Form	frmCompanyDetail	Single	-32768	0				84
Form	frmCompanyList	Split	-32768	0				88
Form	frmCredentials	Single	-32768	0				88
Form	frmEmployeeList	Split	-32768	0				72
Form	frmEmployeeTitles	Continuous	-32768	0				36
Form	frmGenericDialog	Single	-32768	0				84
Form	frmLearn	Single	-32768	0				24
Form	frmLogin	Single	-32768	0				104
Form	frmNorthwindFeatures	Split	-32768	0				36
Form	frmOrderDetails	Single	-32768	0				108
Form	frmOrderList	Continuous	-32768	0				60
Form	frmProductDetail	Single	-32768	0				112
Form	frmProductList	Split	-32768	0				56
Form	frmPurchaseOrderDetails	Single	-32768	0				124
Form	frmPurchaseOrderList	Continuous	-32768	0				56
Form	frmReports	Single	-32768	0				52
Form	frmSelectVendorDialog	Single	-32768	0				52
Form	frmStartup	Single	-32768	0				60
Form	frmWelcome	Single	-32768	0				148
Form	sfrmAdmin_DeleteTestData	Single	-32768	0				60
Form	sfrmAdmin_InternetOrders	Single	-32768	0				48
Form	sfrmAdmin_ResetDates	Single	-32768	0				36
Form	sfrmAdmin_Strings	Continuous	-32768	0				40

SummaryNumber of Objects: 183Total Size (megabytes): 15.906Total Size (kilobytes): 16288

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed:
2025-02-09 12:54:06
Time Taken:
37 sec
Save for future use?
Save Analysis
Create Backup

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3.3 Object Summary (IMPROVED)

This is a treeview-style list providing more information about object types, custom ribbons, startup forms etc.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathC:\Programs\MendipDataSystems\JATFA\JATFA450.accdb

File NameJATFA450.accdbFile Size (kB)32668Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables
Linked Tables
System Tables

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Object Summary:
Poorly named objects are shown in RED

Object Type	Object Name	Sub Type	Custom Ribbon	Other Info
Forms	frmISONloadTest	Single		
	Copy Of frmProgramInfo	Continuous		
	frmAdmin	Single		
	frmAttachFile	Single		
	frmDimmer	Single		
	frmEmailSettings	Single		
	frmFormUnResizer	Single		
	frmJISONAnalysisSummary	Single		
	frmJISONFileHint	Single		
	frmJISONSampleDataZoom	Single		
	frmJISONStructure	Single		
	frmJISONTransformSummary	Single		
	frmMain	Single		
	frmMainNEW	Single		
	frmMessageForm	Single		
	frmProgramFeatures	Single		
	frmProgramInfo	Continuous		
	frmProgramSettings	Continuous		
	frmSendEmail	Single		
	frmSplash	Single		
	frmStart	Single		
	frmUserInfo	Single		
	SubJISONStructure	Single		
Macros	TMPCLPMacro			Deleted Macro
	autoexec			Startup Macro
	Autokeys			
Modules	ImodReferencesTestCode	Standard		
	ImodTESTCode	Standard		

SummaryNumber of Database Objects: 268 (NOT including Database name / subtype)

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed:
2025-02-09 13:54:10
Time Taken:
36 sec
Save for future use?
Save Analysis
Create Backup

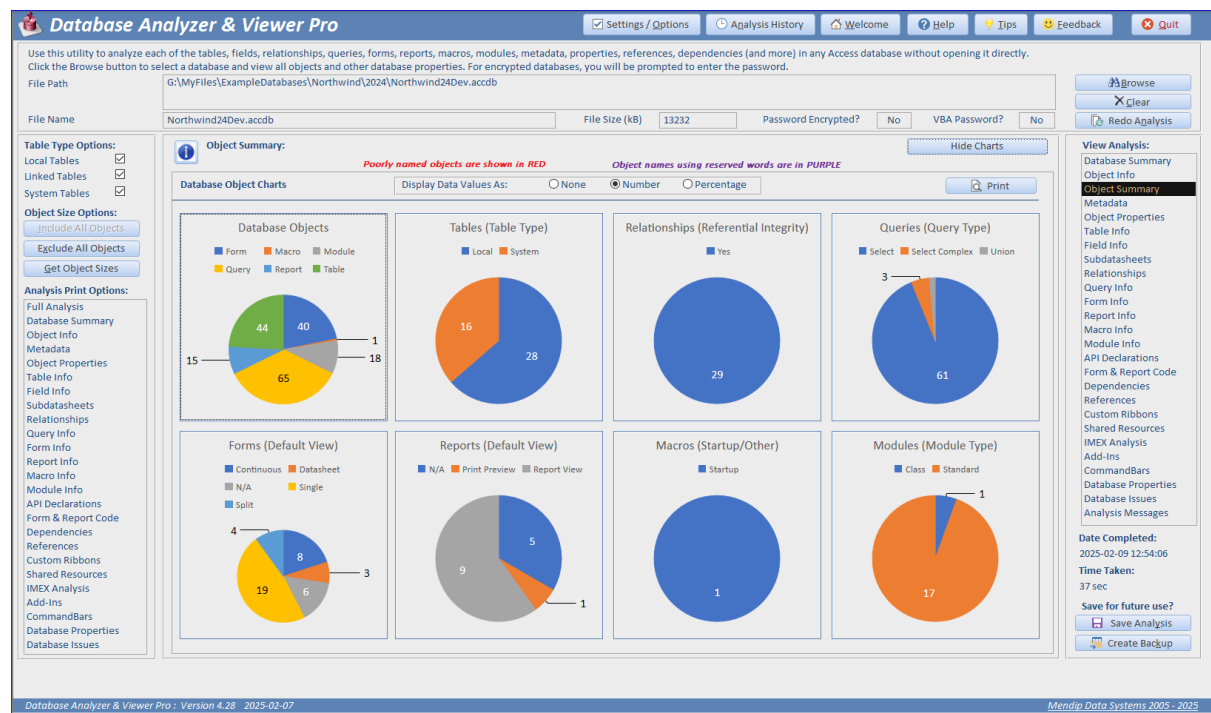
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14/02/2025

Click the **Show Charts** button to view a series of pie charts about the different object types



NOTE: This feature uses ‘modern charts’ and is therefore only available in Access 2016 or later.

3.4 Object Metadata

This provides information about each object as shown in the navigation pane: date created / date last modified and (optional) description.

Database Analyzer & Viewer Pro

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File Path: G:\MyFiles\ExampleDatabases\DatabaseObjects\DatabaseObjects_v2.42.accdb

File Name: DatabaseObjects_v2.42.accdb | File Size (kB): 1860 | Password Encrypted?: No | VBA Password?: No

Table Type Options:
Local Tables: ☒
Linked Tables: ☒
System Tables: ☒

Object Size Options:
Include All Objects:
Exclude All Objects:
Get Object Sizes:

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Object Metadata:
Poorly named objects are shown in RED

Object Type	Object Name	Date Created	Date Modified	Object Description
Form	Form1	2017-09-01 20:55:14	2022-09-20 17:33:01	Example unbound form - no code
Form	frmCars	2024-11-25 12:41:05	2024-11-25 12:41:05	
Form	frmDatabaseObjects	2017-09-01 20:09:49	2024-11-25 12:47:49	Main form
Form	frmObjMetadata	2022-09-20 17:18:56	2024-02-02 11:53:02	Object metadata
Macro	~TMPLCPMacro	2024-02-02 11:18:28	2024-02-02 11:18:28	
Macro	Autoexex	2020-10-27 18:28:32	2022-09-20 17:01:23	Example macro
Macro	Autokeys	2024-02-02 11:16:52	2024-02-02 11:16:52	
Macro	mcrOpen1Table	2024-11-25 17:05:28	2024-11-25 17:05:28	
Macro	mcrOpen2Tables	2024-11-25 16:19:58	2024-11-25 16:19:58	
Module	modFunctions	2017-09-01 20:57:05	2022-09-20 17:01:57	Assorted functions used in form footers
Module	modObjMetadata	2022-09-20 16:54:23	2022-09-20 17:02:34	Module with code to return object metadata
Module	modShellEx	2024-02-02 11:16:52	2024-02-02 11:16:52	
Query	qryMSysObjectsCollections	2025-01-17 09:29:31	2025-01-17 09:30:39	
Query	qryObjectCollections	2025-01-17 09:55:41	2025-01-17 09:55:41	
Query	qryRelationships	2022-09-06 23:41:04	2022-09-20 16:58:56	Select query - relationships
Query	Query1	2017-09-01 20:55:00	2023-07-22 13:39:01	Hidden select query
Query	Query2	2017-09-01 20:58:30	2022-09-20 16:57:05	Example append query
Query	Query3	2017-09-01 20:59:12	2022-09-20 16:56:49	Example delete query
Query	Query4	2018-07-12 23:58:57	2022-09-20 17:15:50	
Query	Query5	2020-10-25 20:36:43	2024-09-16 08:50:43	Example update query
Query	Query6	2020-11-16 19:02:43	2024-02-02 12:36:15	
Query	Query7	2022-08-08 20:24:57	2025-01-17 09:30:47	System query
Report	Report1	2017-09-01 20:55:27	2022-09-20 17:07:59	
Report	rptDatabaseObjects	2017-09-01 20:36:55	2023-10-01 16:20:56	Database objects report
Table	ArchivedClasses	2023-08-25 20:37:47	2023-08-25 20:37:58	
Table	FileListXML	2023-08-25 20:37:48	2023-08-25 20:37:58	
Table	GenBC_RM_Places	2023-08-25 20:37:48	2023-08-25 20:37:58	
Summary	Number of Objects: 56			

Record: 1 of 56 |

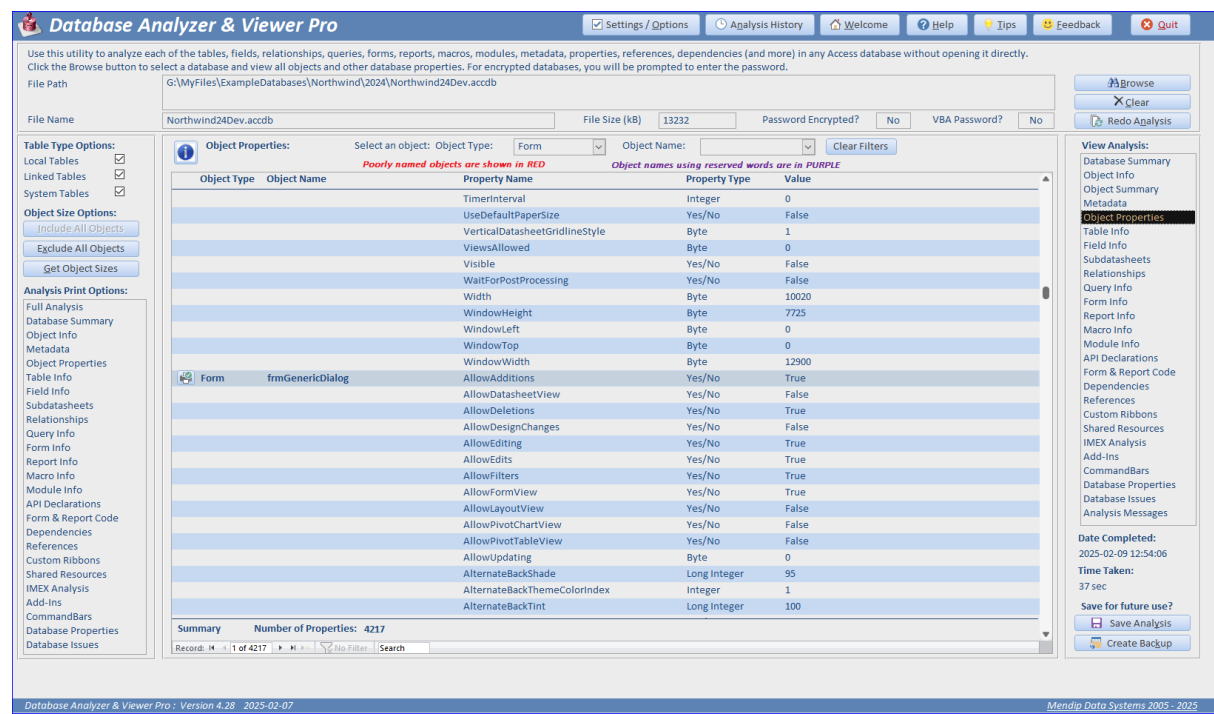
View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed: 2025-02-09 14:05:29
Time Taken: 33 sec
Save for future use?

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3.5 Object properties (NEW)

Detailed information about the properties of each database object including the property type and value.
The analysis can be filtered by object type / name.



3.6 Table Info (IMPROVED)

Detailed information about each table including table type (local / linked / system), number of fields, number of records and table size in kilobytes. For linked tables, the type of data source is listed.

Any unused tables or tables with broken links are marked in magenta.

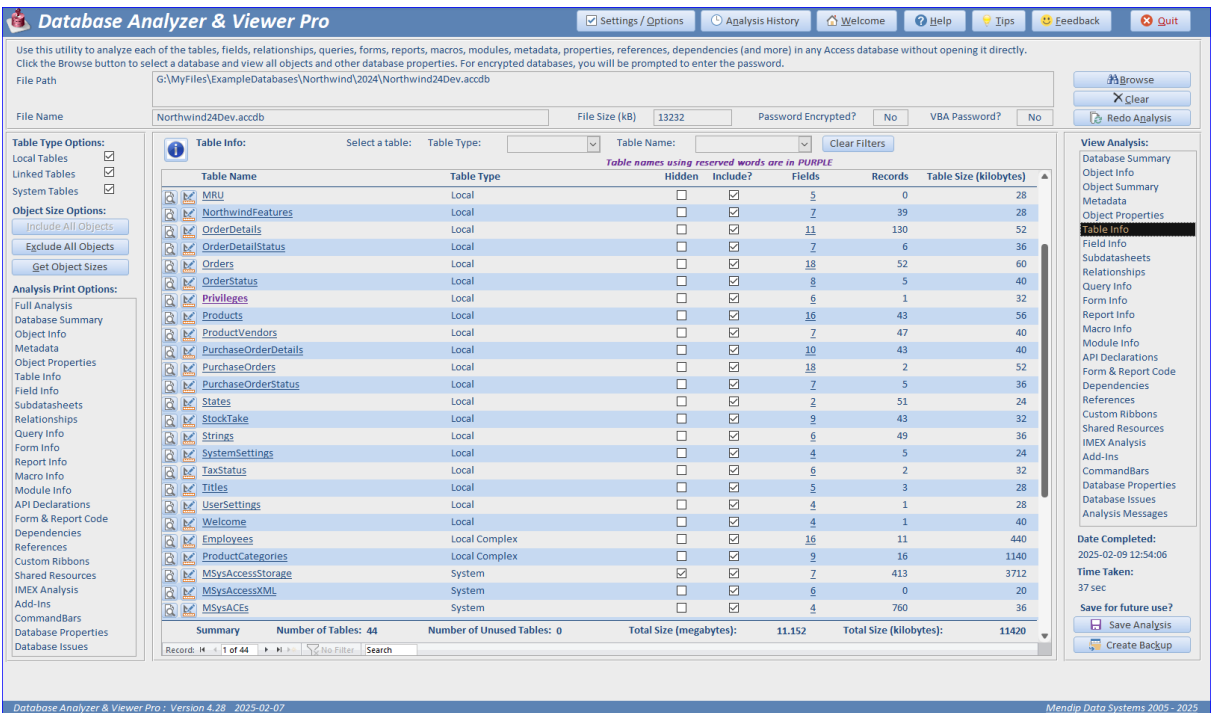


Table designs and datasheets can also be viewed from this subform by clicking the buttons on the left or the table name.

3.7 Field Info (IMPROVED)

This is available either by clicking the field column on the table info subform or from the **View Analysis** menu. Detailed information about each table field including datatype / indexing / field size and whether zero length strings are allowed or field data is required.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.acddb

File NameNorthwind24Dev.acddbFile Size (kB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables
Linked Tables
System Tables

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Field Properties:
Select a table: Table Type: Table Name: OrderDetails Clear Filters

Poorly named fields are shown in RED
Field names using reserved words are in PURPLE

Table Name: OrderDetails Table Type: Local View Fields Report

Order	Field Name	PK?	Indexed?	Field Type	Size	Display Control	Lookup Field?	Column History?	Multivalued Field?	Required?	Zero Length?	Validation Rule	Validation Text
0	OrderDetailID		☒ Yes (No Duplicates)	AutoNumber	4	TextBox							
1	OrderID		☒ Yes (Duplicates OK)	Long Integer	4	TextBox							
2	ProductID		☒ Yes (Duplicates OK)	Long Integer	4	TextBox							
3	Quantity		☐ No	Integer	2	TextBox						>0	Quantity should be gre
4	UnitPrice		☐ No	Currency	8	TextBox							
5	Discount		☐ No	Single	4	TextBox							
6	OrderDetailStatusID		☒ Yes (Duplicates OK)	Long Integer	4	TextBox							
7	AddedBy		☐ No	Short Text	255	TextBox							
8	AddedOn		☐ No	Date/Time	8	TextBox							
9	ModifiedBy		☐ No	Short Text	255	TextBox							
10	ModifiedOn		☐ No	Date/Time	8	TextBox							

Summary Number of Fields: 11
Record: 4 of 11

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed:
2025-02-09 12:54:06
Time Taken:
37 sec
Save for future use?
Save Analysis
Create Backup

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As with all analysis options, a report is also available from the **Analysis Print Options** menu:

Field Analysis

File Name: Northwind24Dev.acddb
File Path: G:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.acddb
App Title: Northwind Traders Developer Edition 2.4 Colin Riddington
File Size (kilobytes): 13232
Analysis Completed: 09/02/2025 12:54:06

Poorly named tables and fields with spaces, special characters or an underscore / number at the start are marked in RED
Table and field names using reserved words are shown in PURPLE

PK = primary key field; ZLS = Allow zero length string; REQ = Required field; MVF = multivalued field; CH = column history field; LU = Lookup field

Table Name: Catalog_TableOfContents Table Type: Local Fields: 2

Order	Field Name	Field Type	PK?	Indexed?	Size	ZLS	REQ	MVF	CH	LU
0	ToCTitle	Short Text		☒ Yes (No Duplicates)	255		☒			
1	ToCPage	Integer		☒ Yes (Duplicates OK)	2		☒			

Table Name: Companies Table Type: Local Fields: 15

Order	Field Name	Field Type	PK?	Indexed?	Size	ZLS	REQ	MVF	CH	LU
0	CompanyID	AutoNumber		☒ Yes (No Duplicates)	4		☒			
1	CompanyName	Short Text		☐ No	50		☒			
2	CompanyTypeID	Long Integer		☐ No (Duplicates OK)	4		☒			
3	BusinessPhone	Short Text		☐ No	20		☒			
4	Address	Short Text		☐ No	255		☒			
5	City	Short Text		☐ No	255		☒			
6	StateAbbrev	Short Text		☒ Yes (Duplicates OK)	2		☒			
7	Zip	Short Text		☐ No	10		☒			
8	Website	Hyperlink		☐ No	0		☒			
9	Notes	Long Text		☐ No	0		☒			
10	StandardTaxStatusID	Byte		☒ Yes (Duplicates OK)	1		☒			
11	AddedBy	Short Text		☐ No	255		☒			
12	AddedOn	Date/Time		☐ No	8		☒			
13	ModifiedBy	Short Text		☐ No	255		☒			
14	ModifiedOn	Date/Time		☐ No	8		☒			

Table Name: CompanyTypes Table Type: Local Fields: 6

Order	Field Name	Field Type	PK?	Indexed?	Size	ZLS	REQ	MVF	CH	LU
0	CompanyTypeID	AutoNumber		☒ Yes (No Duplicates)	4		☒			
1	CompanyType	Short Text		☒ Yes (No Duplicates)	50		☒			
2	AddedBy	Short Text		☐ No	255		☒			
3	AddedOn	Date/Time		☐ No	8		☒			
4	ModifiedBy	Short Text		☐ No	255		☒			
5	ModifiedOn	Date/Time		☐ No	8		☒			

Table Name: Contacts Table Type: Local Fields: 13

Order	Field Name	Field Type	PK?	Indexed?	Size	ZLS	REQ	MVF	CH	LU
0	ContactID	AutoNumber		☒ Yes (No Duplicates)	4		☒			
1	CompanyID	Long Integer		☒ Yes (Duplicates OK)	4		☒			
2	LastName	Short Text		☐ No	30		☒			
3	FirstName	Short Text		☐ No	20		☒			
4	EmailAddress	Short Text		☐ No	255		☒			
5	JobTitle	Short Text		☐ No	50		☒			
6	PrimaryPhone	Short Text		☐ No	20		☒			
7	SecondaryPhone	Short Text		☐ No	20		☒			
8	Notes	Long Text		☐ No	0		☒			
9	AddedBy	Short Text		☐ No	255		☒			
10	AddedOn	Date/Time		☐ No	8		☒			
11	ModifiedBy	Short Text		☐ No	255		☒			
12	ModifiedOn	Date/Time		☐ No	8		☒			

Table Name: EmployeePrivileges Table Type: Local Fields: 7

Order	Field Name	Field Type	PK?	Indexed?	Size	ZLS	REQ	MVF	CH	LU
0	EmployeePrivilegeID	AutoNumber		☒ Yes (No Duplicates)	4		☒			
1	EmployeeID	Long Integer		☒ Yes (Duplicates OK)	4		☒			
2	PrivilegeID	Long Integer		☒ Yes (Duplicates OK)	4		☒			
3	AddedBy	Short Text		☐ No	255		☒			
4	AddedOn	Date/Time		☐ No	8		☒			
5	ModifiedBy	Short Text		☐ No	255		☒			
6	ModifiedOn	Date/Time		☐ No	8		☒			

Table Name: Employees Table Type: Local Complex Fields: 16

Order	Field Name	Field Type	PK?	Indexed?	Size	ZLS	REQ	MVF	CH	LU
0	EmployeeID	AutoNumber		☒ Yes (No Duplicates)	4		☒			
1	FirstName	Short Text		☐ No	20		☒			
2	LastName	Short Text		☐ No	30		☒			
3	EmailAddress	Short Text		☐ No	255		☒			
4	JobTitle	Short Text		☐ No	50		☒			
5	PrimaryPhone	Short Text		☐ No	20		☒			
6	SecondaryPhone	Short Text		☐ No	20		☒			
7	Title	Short Text		☒ Yes (Duplicates OK)	20		☒			
8	Notes	Long Text		☐ No	0		☒			
9	Attachments	Attachment		☐ No	4		☒			
10	SupervisorID	Long Integer		☒ Yes (Duplicates OK)	4		☒			
11	WindowsUserName	Short Text		☒ Yes (No Duplicates)	50		☒			
12	AddedBy	Short Text		☐ No	255		☒			
13	AddedOn	Date/Time		☐ No	8		☒			
14	ModifiedBy	Short Text		☐ No	255		☒			
15	ModifiedOn	Date/Time		☐ No	8		☒			

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3.8 Subdatasheets (NEW)

This shows details of any subdatasheets created automatically with a relationship or manually from the ribbon.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathC:\Programs\MendipDataSystems\JATFA\JATFA450.accdb

File NameJATFA450.accdbFile Size (kB)32668Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables☒
Linked Tables☒
System Tables☒

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Subdatasheet Info:

Subdatasheet Name	SDType	Master Table	Master Fields	Child Table	Child Fields
Table.tblAlbumTracks	M	tblAlbums	ID	tblAlbumTracks	ID
Table.tblAthleticsEvents	M	tblAthletics	ID	tblAthleticsEvents	ID
Table.tblAvailabilityCalendarEntries	M	tblAvailabilityResources	UserName	tblAvailabilityCalendarEntries	UserName
Table.tblAvailabilityResources	M	tblAvailability	StartDate	tblAvailabilityResources	StartDate
Table.tblBadeyeImages	M	tblBadeye	Productid	tblBadeyeImages	Productid
Table.tblBadeyeLanguages	M	tblBadeyeRegions	Productid	tblBadeyeLanguages	Productid
Table.tblBadeyeLinks	M	tblBadeyePrices	Productid	tblBadeyeLinks	Productid
Table.tblBadeyePrices	M	tblBadeyeLanguages	Productid	tblBadeyePrices	Productid
Table.tblBadeyeRegions	M	tblBadeyeImages	Productid	tblBadeyeRegions	Productid
Table.tblCakeBatter	M	tblCake	Cid	tblCakeBatter	Cid
Table.tblCakeTopping	M	tblCakeBatter	Cid	tblCakeTopping	Cid
Table.tblCarListQuality	M	tblCarList	ID	tblCarListQuality	ID
Table.tblCarsColour	M	tblCarsModel	ID	tblCarsColour	ID
Table.tblCarsModel	M	tblCars	ID	tblCarsModel	ID
Table.tblCarsPrice	M	tblCarsColour	ID	tblCarsPrice	ID
Table.tblGeneratedFriends	M	tblGenerated	Pid	tblGeneratedFriends	Pid
Table.tblGeneratedTags	M	tblGeneratedFriends	Pid	tblGeneratedTags	Pid
Table.tblImagesTags	M	tblImages	ID	tblImagesTags	ID
Table.tblJobFindItemsPODFields	M	tblJobFindItemsPOD	JobID	tblJobFindItemsPODFields	JobID
Table.tblMoreCakesBatter	M	tblMoreCakes	ID	tblMoreCakesBatter	ID
Table.tblMoreCakesFilling	M	tblMoreCakesTopping	ID	tblMoreCakesFilling	ID
Table.tblMoreCakesTopping	M	tblMoreCakesFilling	ID	tblMoreCakesTopping	ID
Table.tblMoreCakesTopping	M	tblMoreCakesBatter	ID	tblMoreCakesTopping	ID
Table.tblMultiSquadMembers	M	tblMultiSquad	SquadName	tblMultiSquadMembers	SquadName
Table.tblMultiSquadPowers	M	tblMultiSquadMembers	MembersName	tblMultiSquadPowers	MembersName
Table.tblPeopleEmail	M	tblPeople	ID	tblPeopleEmail	ID
Table.tblPeopleAddress	M	tblPeopleEmail	ID	tblPeopleAddress	ID

SummaryNumber of Subdatasheets: 49Subdatasheet creation type: A = automatic (from relationship) ; M = manual

Records: 1 of 1 of 29No FilterSearch

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed:
2025-02-09 13:54:10
Time Taken:
36 sec
Save for future use?
Save Analysis
Create Backup

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NOTE: Most developers recommend avoiding the use of subdatasheets as they consume extra system resources which adversely affects performance. They can also be confusing for end users.

3.9 Relationship Info

Detailed information about each relationship including table names & join fields, relationship type and whether referential integrity has been set.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb

File NameNorthwind24Dev.accdbFile Size (kB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables☒
Linked Tables☒
System Tables☒

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Relationships Diagram

Relationships Info:

Table 1	Join Field 1	Table 2	Join Field 2	Relationship Type	Referential Integrity	Cascade Update	Cascade Delete	Inherited
MSysNavPaneGroups	GroupCategoryID	MSysNavPaneGroupCategories	Id	Inner: 1-many	☒	Yes	Yes	☐
MSysNavPaneGroupToObjects	GroupID	MSysNavPaneGroups	Id	Inner: 1-many	☒	Yes	Yes	☐
Contacts	CompanyID	Companies	CompanyID	Inner: 1-many	☒	No	No	☐
Orders	CustomerID	Companies	CompanyID	Inner: 1-many	☒	No	No	☐
Orders	ShipperID	Companies	CompanyID	Inner: 1-many	☒	No	No	☐
ProductVendors	VendorID	Companies	CompanyID	Inner: 1-many	☒	No	No	☐
PurchaseOrders	VendorID	Companies	CompanyID	Inner: 1-many	☒	No	No	☐
Companies	CompanyTypeID	CompanyTypes	CompanyTypeID	Inner: 1-many	☒	No	No	☐
EmployeePrivileges	EmployeeID	Employees	EmployeeID	Inner: 1-many	☒	No	Yes	☐
Employees	SupervisorID	Employees	EmployeeID	Inner: 1-many	☒	No	No	☐
MRU	EmployeeID	Employees	EmployeeID	Inner: 1-many	☒	No	Yes	☐
Orders	EmployeeID	Employees	EmployeeID	Inner: 1-many	☒	No	No	☐
PurchaseOrders	ApprovedByID	Employees	EmployeeID	Inner: 1-many	☒	No	No	☐
PurchaseOrders	SubmittedByID	Employees	EmployeeID	Inner: 1-many	☒	No	No	☐
OrderDetails	OrderDetailStatusID	OrderDetailStatus	OrderDetailStatusID	Inner: 1-many	☒	No	No	☐
OrderDetails	OrderID	Orders	OrderID	Inner: 1-many	☒	No	Yes	☐
Orders	OrderStatusID	OrderStatus	OrderStatusID	Inner: 1-many	☒	No	No	☐
EmployeePrivileges	PrivilegeID	Privileges	PrivilegeID	Inner: 1-many	☒	No	No	☐
Products	ProductCategoryID	ProductCategories	ProductCategoryID	Inner: 1-many	☒	No	No	☐
OrderDetails	ProductID	Products	ProductID	Inner: 1-many	☒	No	No	☐
ProductVendors	ProductID	Products	ProductID	Inner: 1-many	☒	No	No	☐
PurchaseOrderDetails	ProductID	Products	ProductID	Inner: 1-many	☒	No	No	☐
StockTake	ProductID	Products	ProductID	Inner: 1-many	☒	No	No	☐

SummaryTotal Relationships: 29Total FrontEnd Relationships: 29Total Inherited (BackEnd) Relationships: 0

Records: 1 of 29No FilterSearch

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed:
2025-02-09 12:54:06
Time Taken:
37 sec
Save for future use?
Save Analysis
Create Backup

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14/02/2025

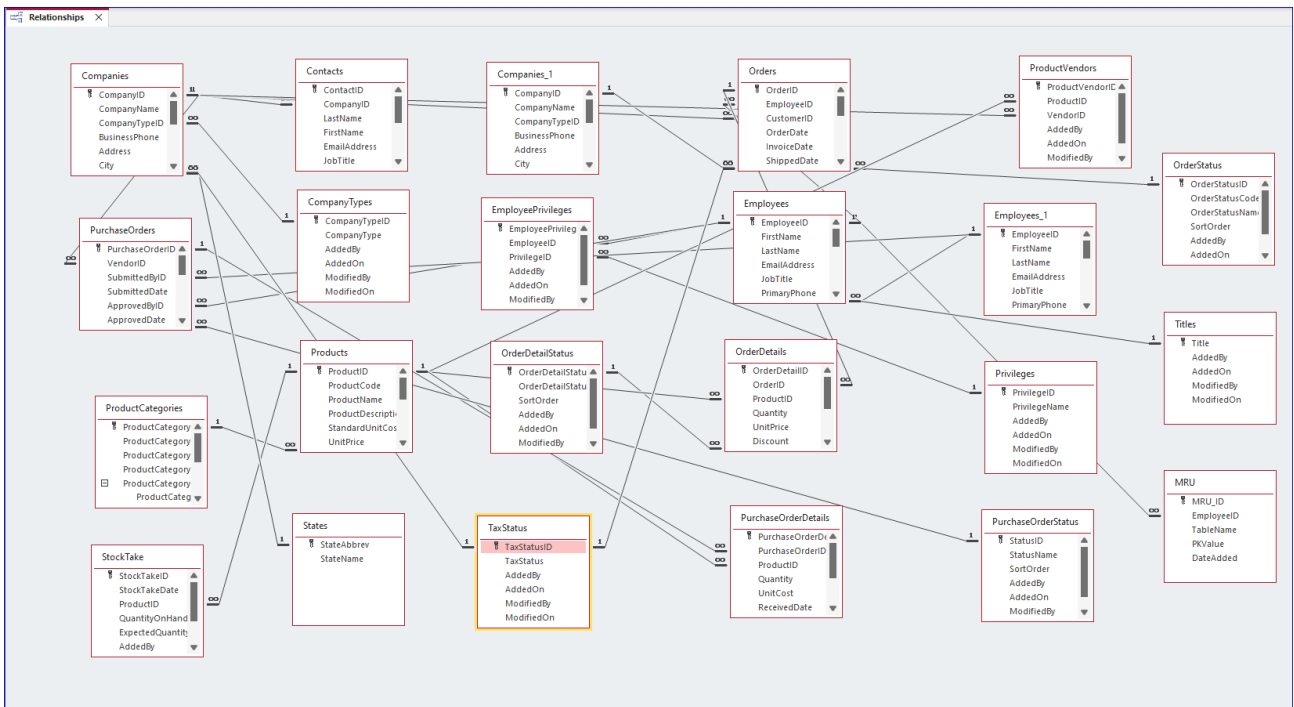
Click the small button on the left of each relationship to view additional information

Relationship Details

Name	New_PurchaseOrdersPurchaseOrderDetails
Table 1	PurchaseOrderDetails
Join Field 1	PurchaseOrderID
Table 2	PurchaseOrders
Join Field 2	PurchaseOrderID
Value (grbit)	4096
Join	Inner
Relationship Type	1-many
Referential Integrity	Yes
Cascade Update	No
Cascade Delete	Yes

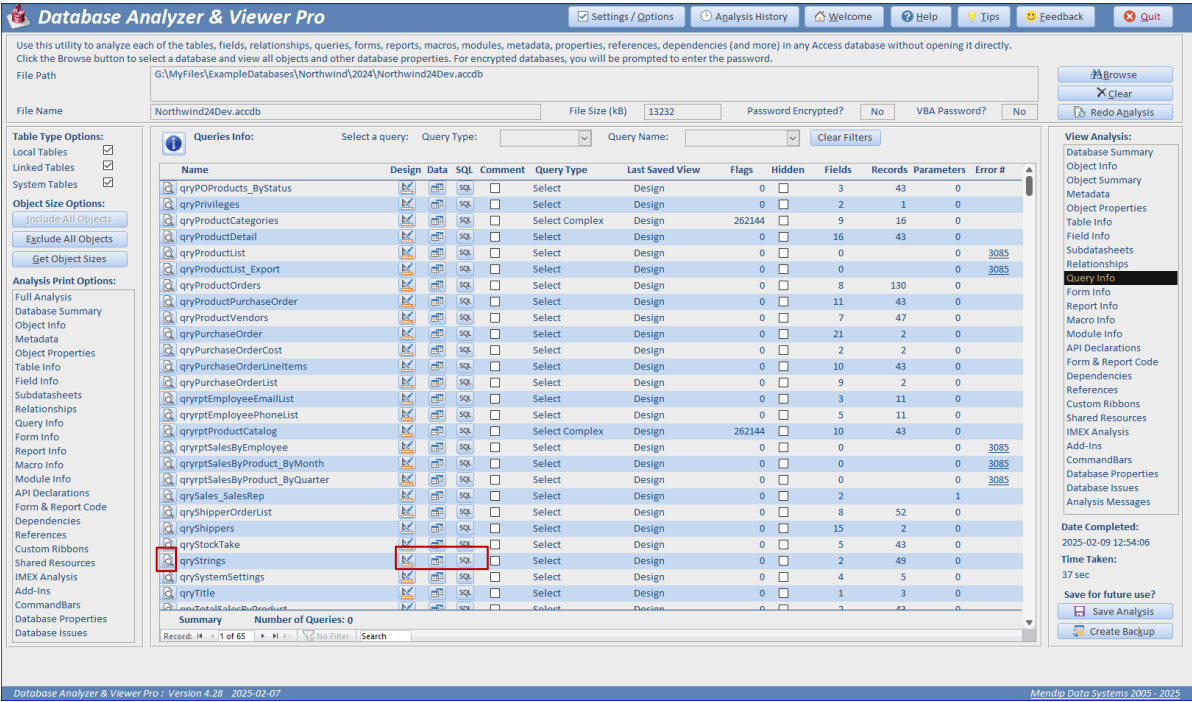
Click the **Relationships Diagram** button to view the relationships diagrammatically.

NOTE: this feature directly opens the relationship window in the external database

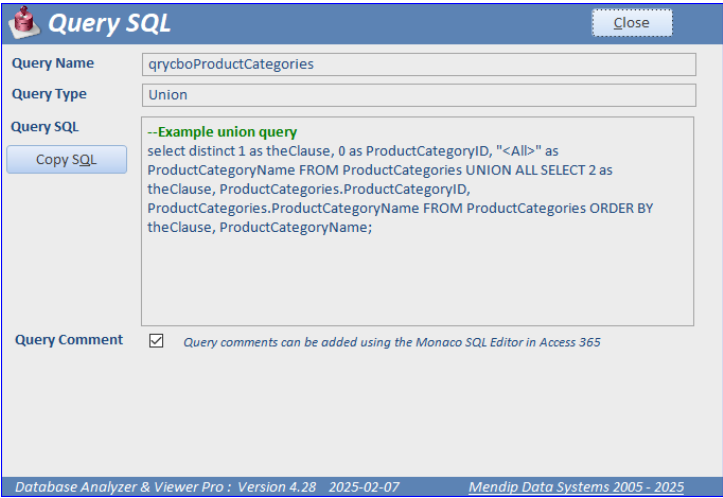


3.10 Query Info

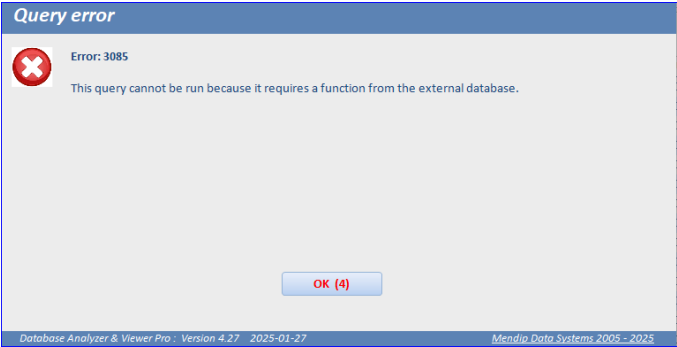
Detailed information about each query including the query type, number of fields, records and parameters.



Each query can normally be viewed in design view, SQL view and as a datasheet. For example, clicking the **SQL** button opens a separate form with the query SQL. If a query comment has been added using the **Monaco SQL editor**, this is shown in **GREEN**

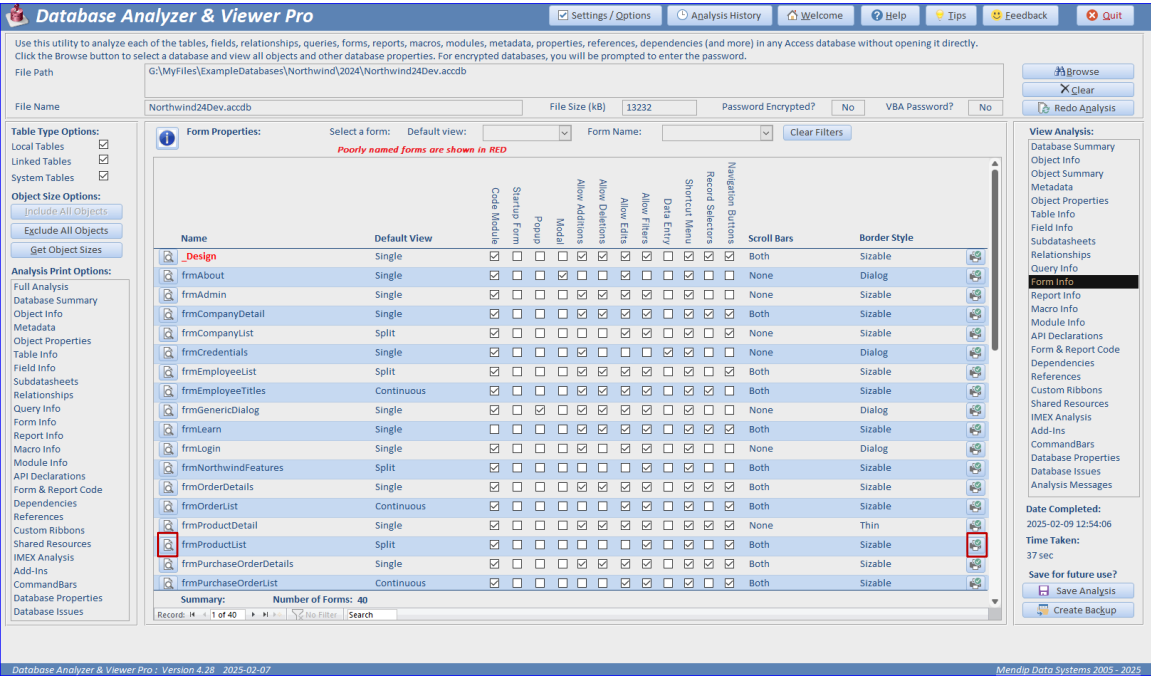


NOTE: In some cases, it may not be possible to view the datasheet in the analyzer. For example, due to the use of functions in the external query. In such cases an error number will be displayed. Click for details:



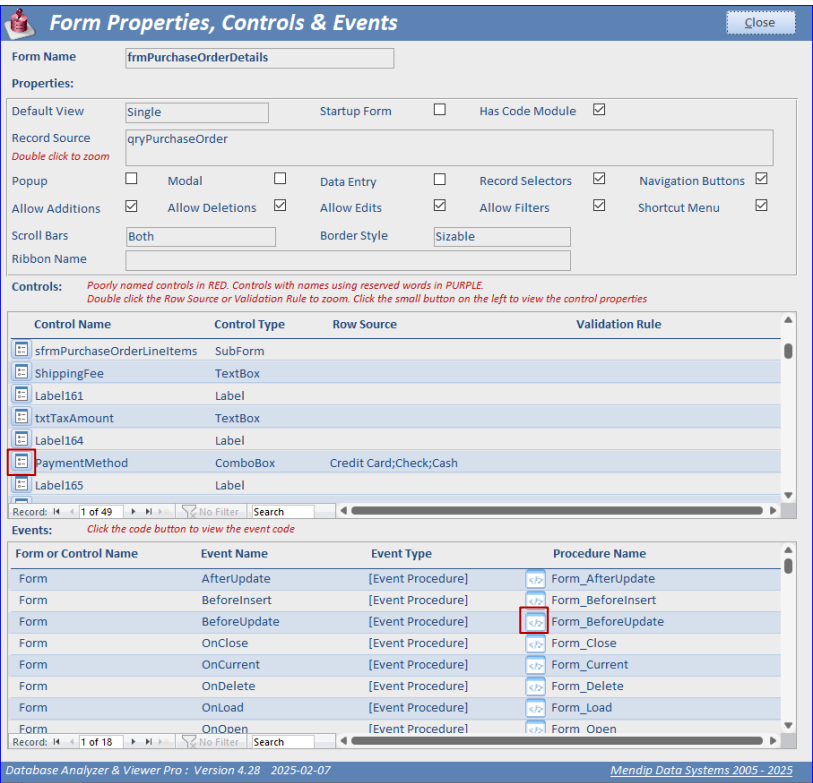
3.11 Form Info (NEW)

This shows a list of all forms and selected properties. The list can be filtered as required.



Click the small **Print** button on the right to open a report with all analysis information for any selected form.

Click the small **Preview** button on the left for record source information and ribbon properties together with a list of controls and events.



This form also gives access to more detailed information about the controls and events

Click the small button to the left of the control name in the first subform to view a list of properties (name / type / value) for that form control:

Form Control Properties

Print

Close

Form Name: frmPurchaseOrderDetails

Control Name: PaymentMethod

Property Name	PropertyType	Value
AggregateType	Integer	-1
AllowAutoCorrect	OLE Object	True
AllowValueListEdits	OLE Object	False
AutoExpand	OLE Object	True
BackColor	Integer	16777215
BackShade	Long Integer	100
BackStyle	Byte	1
BackThemeColorIndex	Integer	1
BackTint	Long Integer	100
BorderColor	Integer	10921638
BorderLineStyle	Byte	0
BorderShade	Long Integer	65
BorderStyle	Byte	1
BorderThemeColorIndex	Integer	1
BorderTint	Long Integer	100
BorderWidth	Byte	0
BottomMargin	Byte	22
BottomPadding	Byte	30
BoundColumn	Integer	1
CanGrow	OLE Object	False
CanShrink	OLE Object	False
ColumnCount	Byte	1
ColumnEnd	Byte	0
ColumnHeads	OLE Object	False
ColumnHidden	OLE Object	False
ColumnOrder	Byte	0
ColumnStart	Byte	0
ColumnWidth	Byte	-1
ControlSource	Date/Time	PaymentMethod

Double click the property name or property value to open a zoom box if part of the text is not visible.

Record: 1 of 109

Filtered

Search

Clicking the small **Code** button next to a **Procedure Name** opens another form with the event procedure or embedded macro code (complete with colour formatting for keywords and comments):

VBA Event Procedure & Embedded Macro Code

Close

Object Type: Form

Object Name: frmOrderDetails

Procedure Name: Form_Current

Procedure Type: Sub

Scope: Private

Lines of code: 44

Code

Key: Comment
keyword
hyperlink
other code

View Code Module

Print Code

Copy Code

Clear Clipboard

```
Private Sub Form_Current()  
10 On Error GoTo Err_Handler  
  
20 ValidateForm_RemoveHighlights Me 'Needed if user canceled a new record with yellow highlights on the form.  
  
30 SetFormStatus  
  
40 Me.Caption = "Order " & Me.OrderID 'Show the orderID in the caption, so several instances can easily be distinguished.  
  
'This is too severe. Need to set Locked property on a per-control basis and depends on OrderStatus.  
'This is not implemented  
'Me.AllowEdits = (Me.OrderStatusID = enumOrderStatus.osNew)  
50 LockControls  
  
'ALTERNATIVE SYNTAX for .AllowAdditions = (Me.OrderStatusID = enumOrderStatus.osNew):  
'If Me.OrderStatusID = enumOrderStatus.osNew Then .AllowAdditions = True Else .AllowAdditions = False  
'or  
'AllowAdditions = IIf(Me.OrderStatusID = enumOrderStatus.osNew, True, False)  
60 If Me.NewRecord Then  
70 With Me.sfrmOrderLineItems.Form  
80 .AllowAdditions = True  
90 .AllowEdits = True  
100 .AllowDeletions = True
```

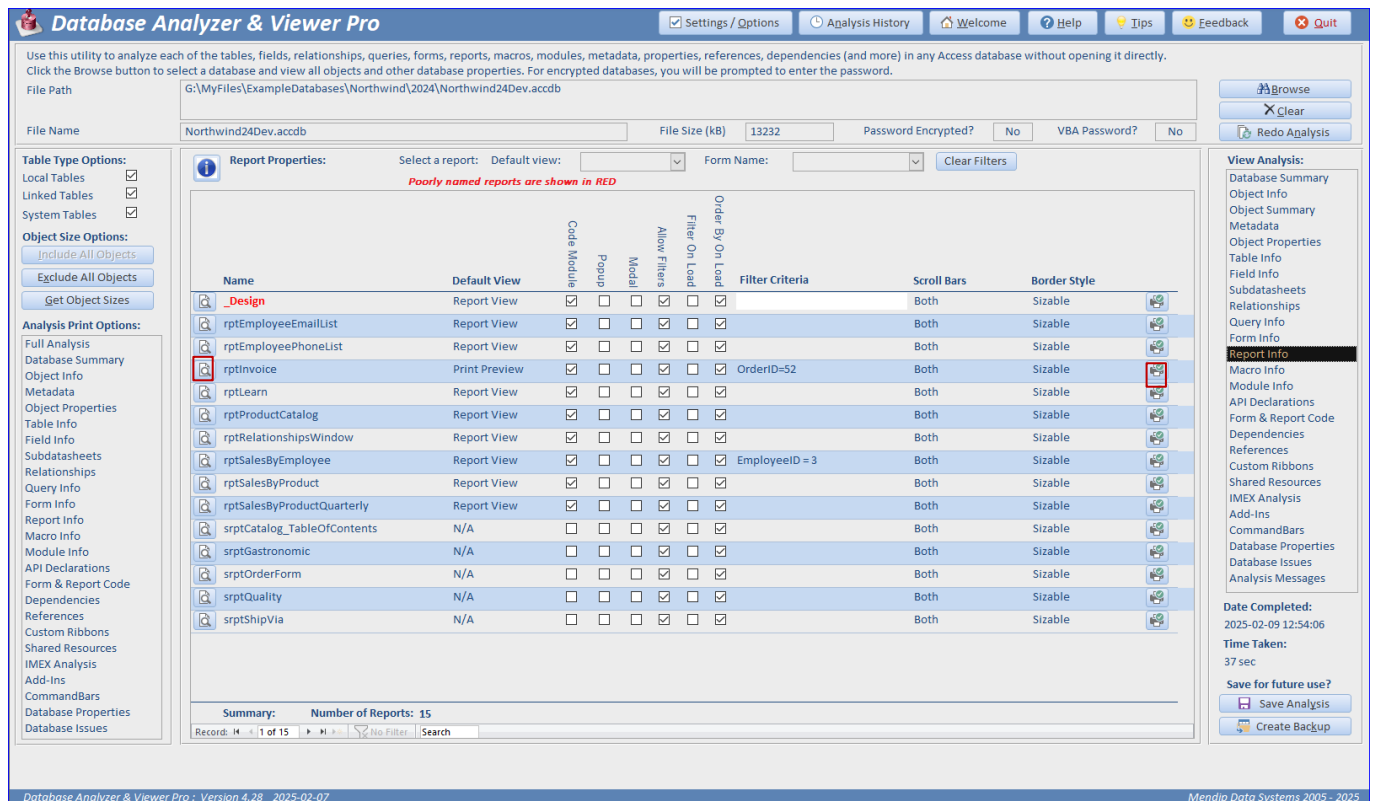
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Mendip Data Systems 2005 - 2025

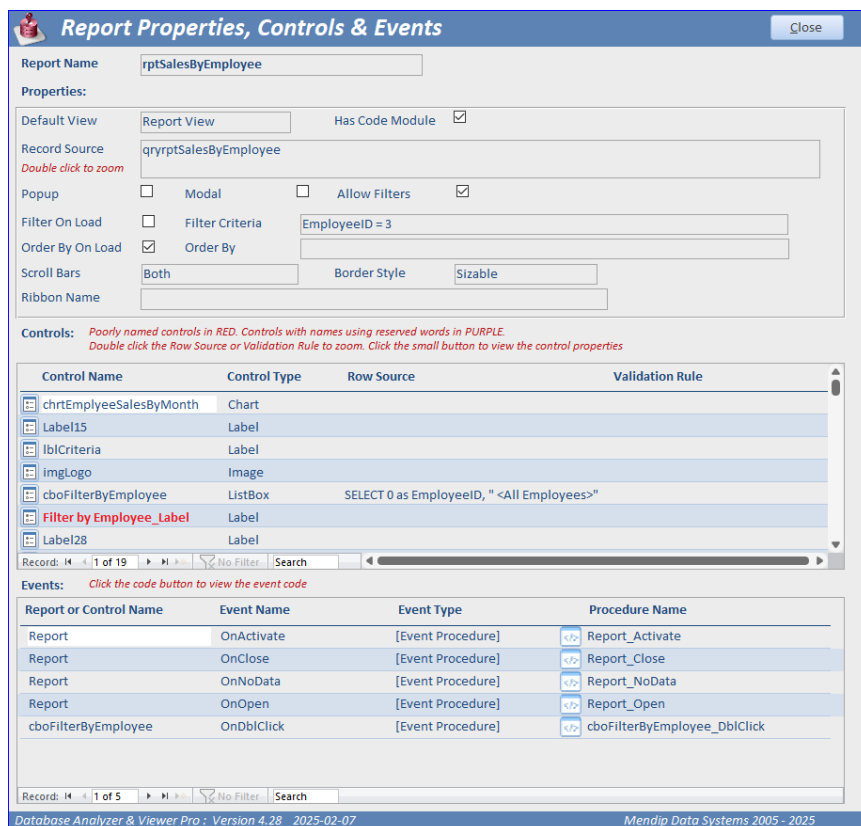
This form also allows you to view all the code for that code module or copy the code e.g. for use in another application. Each of the additional forms also gives direct access to related reports.

3.12 Report Info (NEW)

This shows a list of all reports and selected properties. The list can again be filtered as required.



This subform is very similar in appearance to that for the form analysis. It also allows you to drill down to more detailed information about the record source information and ribbon properties together with a list of controls and events.



Once again, you can click the small button to the left of the control name in the first subform to view a list of properties (name / type / value) for that report control:

Report Control Properties [Print] [Close]

Report Name: rptSalesByEmployee
Control Name: cboFilterByEmployee

Property Name	PropertyType	Value
AllowValueListEdits	OLE Object	True
BackColor	Integer	16777215
BackShade	Long Integer	100
BackThemeColorIndex	Integer	1
BackTint	Long Integer	100
BorderColor	Integer	10921638
BorderLineStyle	Byte	0
BorderShade	Long Integer	65
BorderStyle	Byte	1
BorderThemeColorIndex	Integer	1
BorderTint	Long Integer	100
BorderWidth	Byte	0
BottomPadding	Byte	30
BoundColumn	Integer	1
ColumnCount	Byte	2
ColumnEnd	Byte	0
ColumnHeads	OLE Object	False
ColumnStart	Byte	0
ColumnWidths	Date/Time	0;2880
ControlTipText	Date/Time	Double-Click an Employee to filter report
ControlType	Byte	110
DisplayWhen	Byte	2
Enabled	OLE Object	True
EventProcPrefix	Date/Time	cboFilterByEmployee
FontBold	Byte	0
FontItalic	OLE Object	False
FontName	Date/Time	Calibri

Double click the property name or property value to open a zoom box if part of the text is not visible.

Record: 1 of 83 [Filtered] Search

Similarly, the code button in the second subform opens another form with the code for that event procedure or embedded macro:

VBA Event Procedure & Embedded Macro Code [Close]

Object Type: Report
Object Name: rptSalesByEmployee
Procedure Name: cboFilterByEmployee_DblClick
Procedure Type: Sub
Scope: Private
Lines of code: 24

Code:

```
Private Sub cboFilterByEmployee_DblClick(Cancel As Integer)
10   On Error GoTo Err_Handler

    Dim lngReportFilter As Long
    'Espana UG Apply filter to Modern Chart Control in Report View

20   With Me
30       .FilterOn = False
40       .cboFilterByEmployee.Requery
50       lngReportFilter = Nz(.cboFilterByEmployee, 0)
60       If lngReportFilter > 0 Then
70           .Filter = "EmployeeID = " & lngReportFilter
80           .FilterOn = True
90       End If
100  End With

Exit_Handler:
110 Exit Sub

Err_Handler:
120 clsErrorHandler.HandleError Me.Name, "cboFilterByEmployee_DblClick", True
130 Resume Exit_Handler
End Sub
```

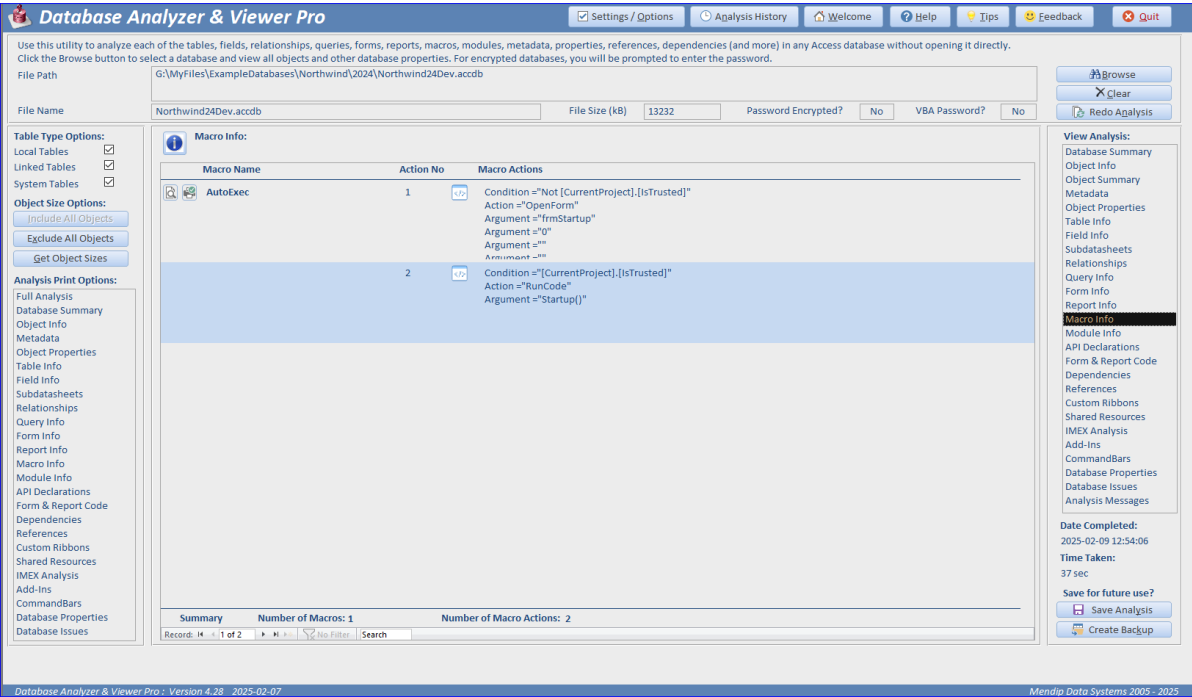
Key:
comment
keyword
hyperlink
other code

[View Code Module] [Print Code] [Copy Code] [Clear Clipboard]

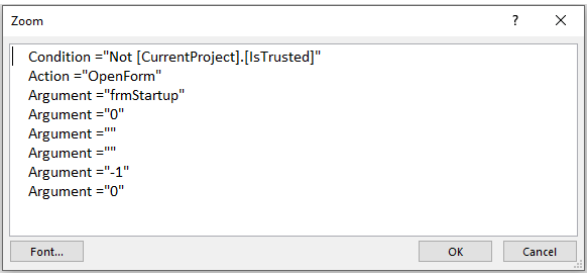
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3.13 Macro Info (NEW)

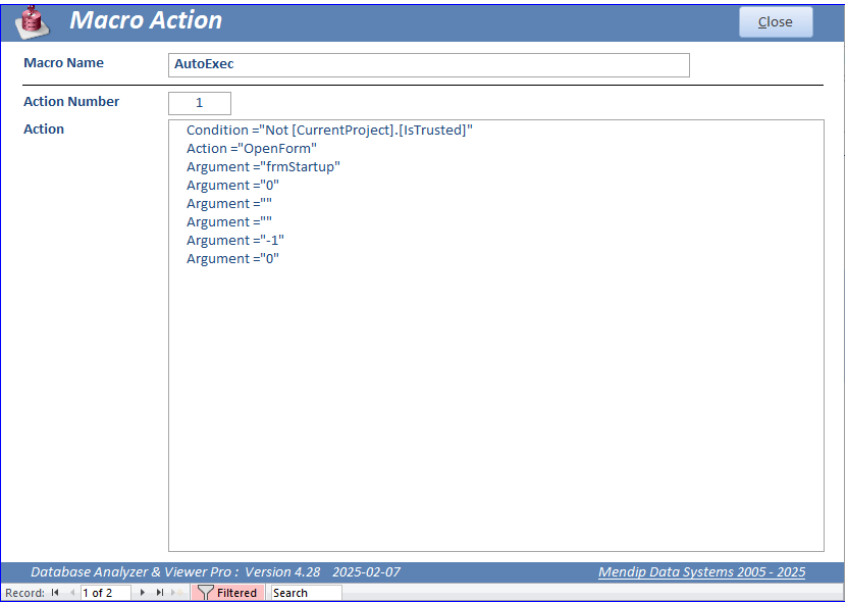
This shows a list of all macros together with the macro actions for each



Double click to open a Zoom box if not all the Macro Action details are visible:



Alternatively, click the small Code button to view the information in another form:



The full information for each macro (including the XML used by Access) can also be exported to a text file.

3.14 Module Info (IMPROVED)

List of all modules and procedures including procedure type / scope and number of code lines.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb

File NameNorthwind24Dev.accdbFile Size (kB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables☒
Linked Tables☒
System Tables☒

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
Add-Ins
CommandBars
Database Properties
Database Issues

Module Info:
Select a module: Module Type:Module Name:Clear Filters

Module Type	Module Name	Procedure Name	Procedure Type	Scope	Code Lines	Comment Lines	Empty Proc
Class	clsErrorHandler	<> Class Initialize	Sub	Private	8	2	☐
		<> ErrorHandlerExample	Sub	Public	13	1	☐
		<> ErrorHandlerExample_EventProcedure	Sub	Public	13	1	☐
		<> HandleError	Sub	Public	62	12	☐
		<> LogErrorToFile	Sub	Private	30	1	☐
Standard	modCompanies	<> GetRandomCustomerId	Function	Public	13	0	☐
		<> GetTaxStatusID	Function	Public	13	0	☐
Standard	modDAO	<> GetRandomPkValue	Function	Public	26	4	☐
		<> HasDataMacro	Function	Public	24	6	☐
		<> HasField	Function	Public	13	4	☐
		<> HasProperty	Function	Public	23	13	☐
Standard	modDebug	<> DumpTempVars	Sub	Public	18	0	☐
		<> NotImplemented	Sub	Public	14	0	☐
Standard	modFiles	<> FileExists	Function	Public	25	8	☐
		<> StringToFile	Sub	Public	19	0	☐
Standard	modForms	<> ControlCurrentView	Function	Public	24	4	☐
		<> ControlDefaultView	Function	Public	24	4	☐
		<> IsFormOpen	Function	Public	15	2	☐
		<> RequeryListForms	Sub	Public	22	2	☐
		<> RequeryProductList	Sub	Public	13	0	☐
Standard	modGlobal	<> AddToMRU	Sub	Public	41	7	☐
		<> g_dbApp	Function	Public	14	4	☐
		<> Get_EmployeeFNLN	Function	Public	22	1	☐
		<> Get_UserId	Function	Public	20	3	☐
		<> Get_UserId_ForWindowsUser	Function	Public	23	2	☐
		<> GetNorthwindAddress	Function	Public	24	0	☐
		<> GetWindowsUserName	Function	Public	13	0	☐
Summary: Class Modules: 1Standard Modules: 17Total Procedures: 109Total Code Lines: 2732Comment Lines: 370							
Record: 1 of 109No FilterSearch							

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed:
2025-02-09 12:54:06
Time Taken:
37 sec
Save for future use?
Save Analysis
Create Backup

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07Mendip Data Systems 2005 - 2025

If **EmptyProc** is checked, there is no code between the procedure header and footer lines. Any such procedures can normally be deleted.

The VBA code for each module / procedure can be viewed by clicking the small **Code** button.

VBA Event Procedure & Embedded Macro Code

Close

Object TypeModule

Object NamemodDAO

Procedure NameGetRandomPkValue

Procedure TypeFunction

ScopePublic

Lines of code26

Code

```
[ALGORITHM:  
' Open readonly recordset on table. Move a random number of rows down, and select that PK value.  
' NOTE:  
' Function assumes PK is a single field and Long. This is a best practice and True for Northwind.  
Public Function GetRandomPkValue(ByVal strTable As String, ByVal strPkField As String) As Long  
10 On Error GoTo Err_Handler  
  
Dim rs As DAO.Recordset  
  
20 Set rs = CurrentDb.OpenRecordset(strTable, dbOpenSnapshot)  
30 With rs  
40 .MoveLast 'This assumes there is at least one record  
50 .MoveFirst  
60 .Move GetRandom(0, RecordCount - 1)  
70 GetRandomPkValue = .Fields(strPkField)  
80 .Close  
90 End With  
  
Exit_Handler:  
100 Exit Function  
  
Err_Handler:  
110 clsErrorHandler.HandleError "modDAO", "GetRandomPkValue"
```

View Code Module

Print Code

Copy Code

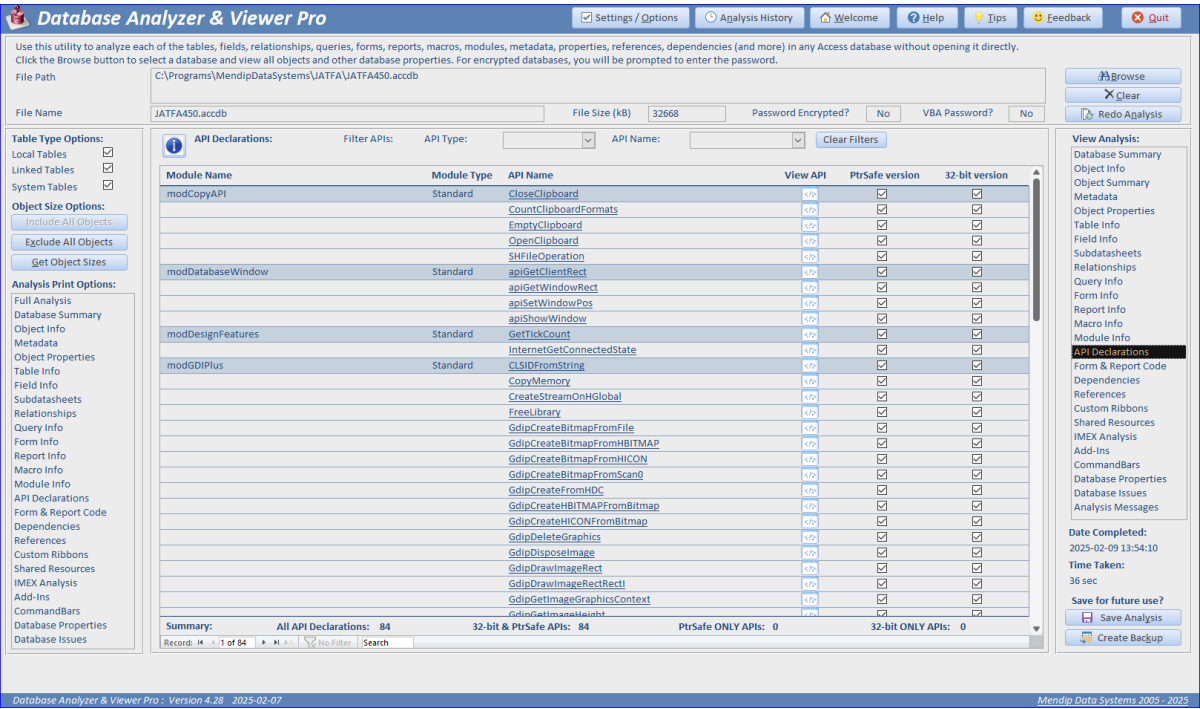
Clear Clipboard

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07Mendip Data Systems 2005 - 2025

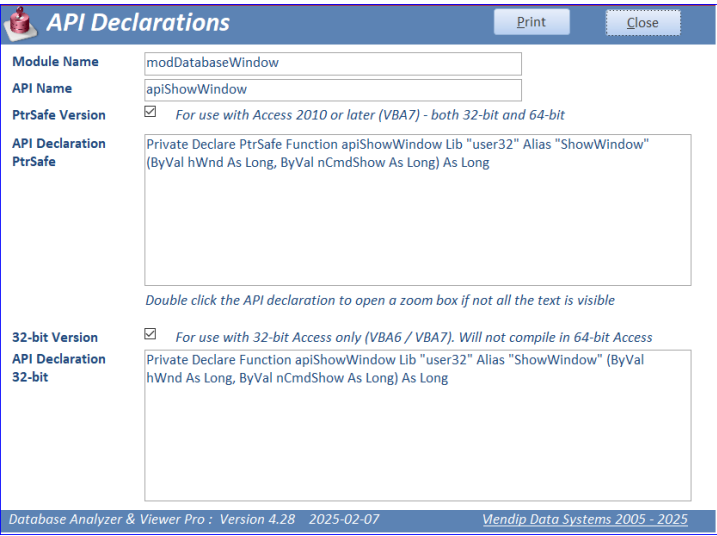
3.15 API Declarations (NEW)

Application Programming Interface (API) code is used to extend the functionality of Access applications. Different versions are required for use in VBA6 (32-bit only) and VBA7 (PtrSafe for 32/64-bit).

This item lists all APIs in the analyzed database and which bitness variants are included.



Click the **Code** button to view the **API declaration** code:



3.16 Form and Report Code (IMPROVED)

List of all form / report code modules and procedures including procedure type / scope and number of code lines. The information provided is almost identical to that on the Module Info analysis subform.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb

File NameNorthwind24Dev.accdbFile Size (kB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables
Linked Tables
System Tables

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Form / Report Procedures Info: Filter procedures Object Type: Object Name: Clear Filters

Poorly named objects are shown in REDObject names using reserved words are in PURPLE

Object Type	Object Name	Procedure Name	Procedure Type	Scope	Code Lines	Comment Lines	Empty Proc
Form	frmAbout	cmdClose_Click	Sub	Private	13	0	
Form	frmAdmin	cmdDeleteTestData_Click	Sub	Public	23	10	
		cmdInternetOrders_Click	Sub	Public	23	10	
		cmdPrivileges_Click	Sub	Public	23	10	
		cmdProductCategories_Click	Sub	Private	13	0	
		cmdRelationshipsDiagram_Click	Sub	Private	18	0	
		cmdResetDates_Click	Sub	Public	23	10	
		cmdStrings_Click	Sub	Public	23	10	
		cmdSystemSettings_Click	Sub	Public	20	7	
		Form_Open	Sub	Private	13	0	
		UpdateSubLabels	Sub	Public	20	2	
Form	frmCompanyDetail	cboCompanyTypeID_AfterUpdate	Sub	Private	13	0	
		cboCompanyTypeID_BeforeUpdate	Sub	Private	40	8	
		cmdAdd_Click	Sub	Private	17	0	
		cmdCancel_Click	Sub	Private	23	1	
		cmdClickToMap_Click	Sub	Private	17	1	
		cmdDeleteCompany_Click	Sub	Private	23	9	
		cmdEmail_Click	Sub	Private	13	0	
		cmdSave_Click	Sub	Private	27	4	
		cmdShowFilter_Click	Sub	Private	33	0	
		CompanyCantBeDeleted	Sub	Private	24	0	
		CompanyConfirmDelete	Function	Private	42	3	
		CompanyIsActive	Function	Private	35	7	
		Form_AfterDelConfirm	Sub	Private	19	0	
		Form_AfterInsert	Sub	Private	16	0	
		Form_AfterUpdate	Sub	Private	14	1	
		Form_BeforeDelConfirm	Sub	Private	21	6	

Summary: Code Modules: 48Event Procedures: 268Embedded Macros: 1Total code lines: 5970Comment Lines: 660

Records: 1 of 269No FilterSearch

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed: 2025-02-09 12:54:06
Time Taken: 37 sec
Save for future use?
Save Analysis
Create Backup

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07Mendip Data Systems 2005 - 2025

Once again, the VBA code for each procedure can be viewed with colour formatting for keywords, comments and hyperlinks.

VBA Event Procedure & Embedded Macro Code

Close

Object TypeForm
Object NamefrmCompanyDetail
Procedure NamecmdSave_Click
Procedure TypeSub
ScopePrivate
Lines of code27

Code

```
Private Sub cmdSave_Click()  
10 On Error GoTo Err_Handler  
  
Dim Cancel As Integer  
  
'If you use DoCmd.RunCommand acCmdSaveRecord it will ALWAYS attempt a save  
'DoCmd.RunCommand acCmdSaveRecord  
  
'If you use Me.Dirty, it will ONLY attempt a save if there is something to save  
  
20 Cancel = ValidateForm(Me)  
30 If Not Cancel Then  
The form is valid. Save it.  
If Me.Dirty Then Me.Dirty = False  
  
50 ValidateForm_RemoveHighlights Me  
60 End If  
  
Exit_Handler:  
70 Exit Sub  
  
Err_Handler:
```

Key:
Comment
Keyword
Hyperlink
Other code

View Code Module
Print Code
Copy Code
Clear Clipboard

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07Mendip Data Systems 2005 - 2025

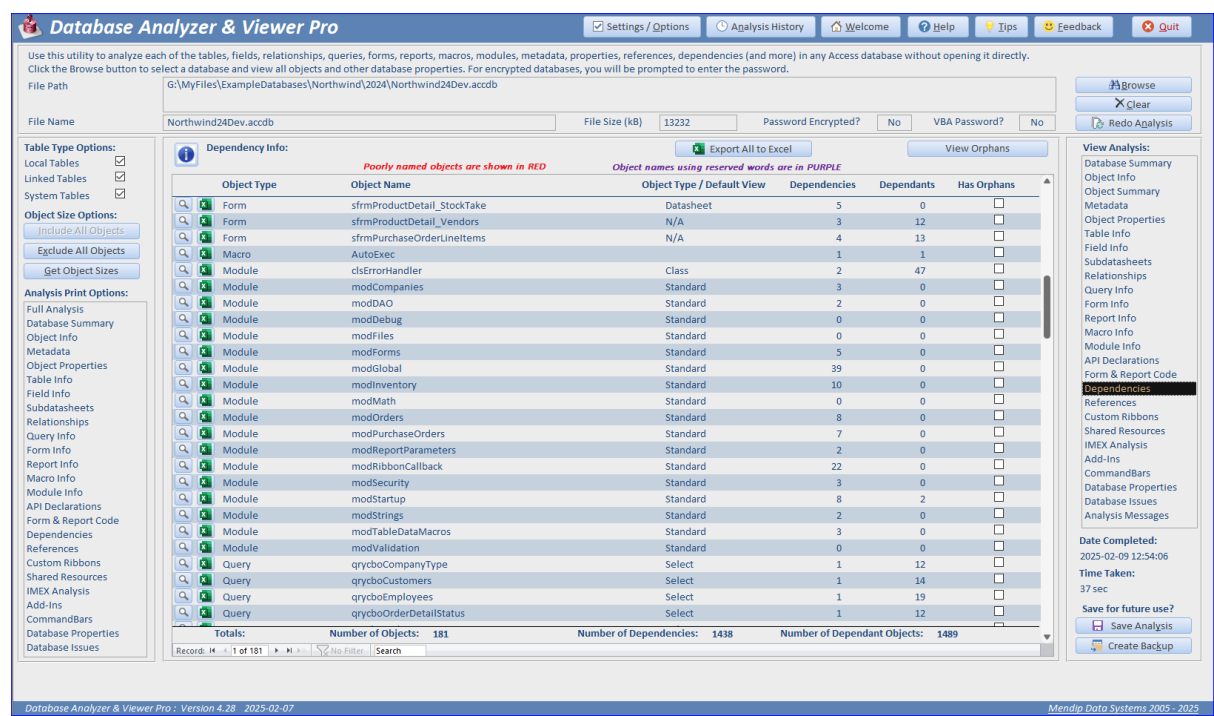
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14/02/2025

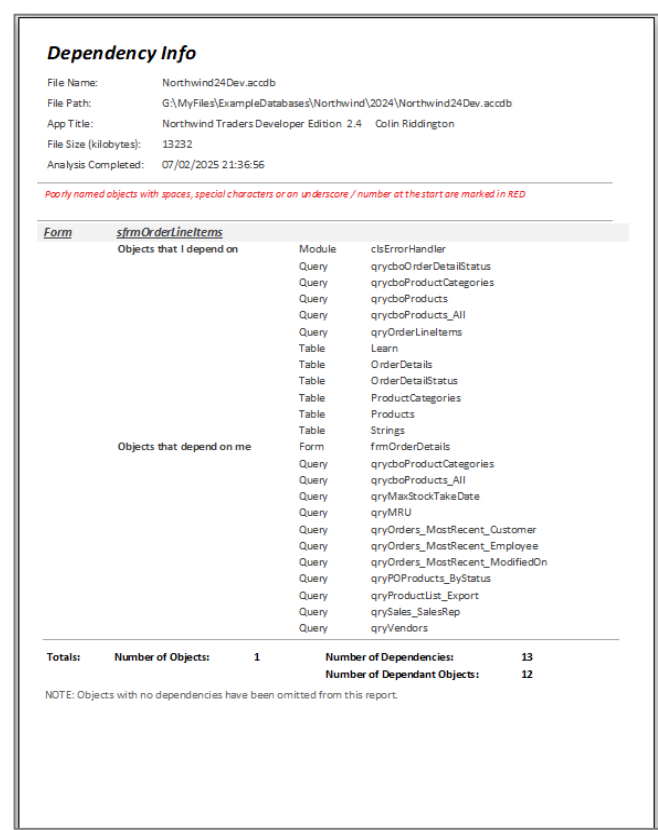
3.17 Object Dependencies

This shows the number of **dependencies** and **dependant objects** for all database objects (forms / reports / tables / queries / modules and macros)



By contrast, the built-in Access **Object Dependency** feature excludes macros, modules and certain types of query.

Click the **Preview** button next to a database object to view a report listing all object dependencies and dependant objects.



The dependency info can also be exported to **Excel** by clicking the green button



The analysis can be filtered to only show objects with 'orphaned dependencies'.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdbrFile NameNorthwind24Dev.accdbrFile Size (kB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables
Linked Tables
System Tables

Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Dependency Info:
Click the button for more details ...

Poorly named objects are shown in REDObject names using reserved words are in PURPLE

Object Type	Object Name	Object Type / Default View	Dependencies	Dependants	Has Orphans
Query	qryPurchaseOrder	Select	4	12	
Query	qryPurchaseOrderList	Select	7	12	
Query	qrySales_SalesRep	Select	98	0	
Query	qryVendorPurchaseOrderList	Select	6	12	
Query	qryVendors	Select	103	0	

Totals: Number of Objects: 5Number of Dependencies: 218Number of Dependant Objects: 36

Record: 1 of 5No FilterSearch

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed: 2025-02-09 12:54:06
Time Taken: 37 sec
Save for future use?
Save Analysis
Create Backup

Database Analyzer & Viewer Pro : Version 4.28 - 2025-02-07Mendip Data Systems 2005 - 2025

The report highlights those missing dependencies as shown below to assist with any follow-up action required.

Dependency Info

File Name: Northwind24Dev.accdbrFile Path: G:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdbrApp Title: Northwind Traders Developer Edition 2.4 Colin RiddingtonFile Size (kilobytes): 13232Analysis Completed: 07/02/2025 21:36:56

Poorly named objects with spaces, special characters or an underscore / number at the start are marked in RED

Query	qryPurchaseOrderList
Objects that I depend on	Query qrycboEmployees Query qrycboVendors Query qryPurchaseOrderCost Table MISSING: qrycboEmployees-Approved Table MISSING: qrycboEmployees-Submitted Table PurchaseOrders Table PurchaseOrderStatus
Objects that depend on me	Form frmPurchaseOrderList Query qrycboProductCategories Query qrycboProducts_All Query qryMaxStockTakeDate Query qryMRU Query qryOrders_MostRecent_Customer Query qryOrders_MostRecent_Employee Query qryOrders_MostRecent_ModifiedOn Query qryPOProducts_ByStatus Query qryProductList_Export Query qrySales_SalesRep Query qryVendors
Totals:	Number of Objects: 1 Number of Dependencies: 7 Number of Dependant Objects: 12

NOTE: Objects with no dependencies have been omitted from this report.

08 February 2025MISSING Dependency ObjectPage 1 of 1

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3.18 VBA References

List of all VBA reference libraries in the selected database. Any broken (MISSING) references are identified.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdbrFile NameNorthwind24Dev.accdbrFile Size (kB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables☒
Linked Tables☒
System Tables☒
Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes

Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

VBA References:
Click the button for more details ...

Description	Name	Version	Built In	Is Broken
Visual Basic For Applications	VBA	4.2	☒	☐
Microsoft Access 16.0 Object Library	Access	9.0	☒	☐
OLE Automation	stdole	2.0	☐	☐
Microsoft Office 16.0 Access database engine Object Library	DAO	12.0	☐	☐
Microsoft Scripting Runtime	Scripting	1.0	☐	☐
Microsoft Visual Basic for Applications Extensibility 5.3	VBIDE	5.3	☐	☐
Microsoft VBScript Regular Expressions 5.5	VBScript_RegExp_55	5.5	☐	☐

SummaryNumber of References: 7Broken References: 0

Record: 1 of 7No FilterSearch

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed: 2025-02-09 12:54:06
Time Taken: 37 sec
Save for future use?
Save Analysis
Create Backup

Database Analyzer & Viewer Pro - Version 4.28 - 2025-02-07Mendip Data Systems 2005 - 2025

Click the small **Preview** button to view a report with additional information about the reference.
Or click **References** in **Analysis Print Options** to view full details for each of the reference libraries.

VBA References Info

File Name: Northwind24Dev.accdbrFile Path: G:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdbrApp Title: Northwind Traders Developer Edition 2.4 - Colin RiddingtonFile Size (kilobytes): 13232Analysis Completed: 07/02/2025 21:36:56

Description: Visual Basic For ApplicationsName: VBAFull Path: C:\Program Files\Common Files\Microsoft Shared\VB\VBAT\VBAT7.1\VBET7.DLLGUID: {000204EF-0000-0000-C000-000000000046}Version: 4.2Type: 0Built In: ☒Is Broken: ☐

Description: Microsoft Access 16.0 Object LibraryName: AccessFull Path: C:\Program Files\Microsoft Office\root\Office16\MSAOCLB.GUID: {4AFC9A05-F99-101B-AF4E-00AA003F0F07}Version: 9.0Type: 0Built In: ☒Is Broken: ☐

Description: OLE AutomationName: stdoleFull Path: C:\Windows\System32\stdole2.tlbGUID: {00020430-0000-0000-C000-000000000046}Version: 2.0Type: 0Built In: ☐Is Broken: ☐

Description: Microsoft Office 16.0 Access database engine Object LibraryName: DAOFull Path: C:\Program Files\Common Files\Microsoft Shared\OFFICE16\ACEDAO.DLLGUID: {4AC9E1DA-5BAD-4AC7-86E3-24F4CCECA2B8}Version: 12.0Type: 0Built In: ☐Is Broken: ☐

08 February 2025Page 1 of 2

Description: Microsoft Scripting RuntimeName: ScriptingFull Path: C:\Windows\System32\scrrun.dllGUID: {420B2830-E718-11CF-893D-00A0C9054228}Version: 1.0Type: 0Built In: ☐Is Broken: ☐

Description: Microsoft Visual Basic for Applications Extensibility 5.3Name: VBIDEFull Path: C:\Program Files (x86)\Common Files\Microsoft Shared\VB\VBAT\VBETEXT.OLBGUID: {0002E157-0000-0000-C000-000000000046}Version: 5.3Type: 0Built In: ☐Is Broken: ☐

Description: Microsoft VBScript Regular Expressions 5.5Name: VBScript_RegExp_55Full Path: C:\Windows\System32\vbscript.dllVersion: 5.5Type: 0Built In: ☐Is Broken: ☐

Total References: 7Broken References: 0

08 February 2025Page 2 of 2

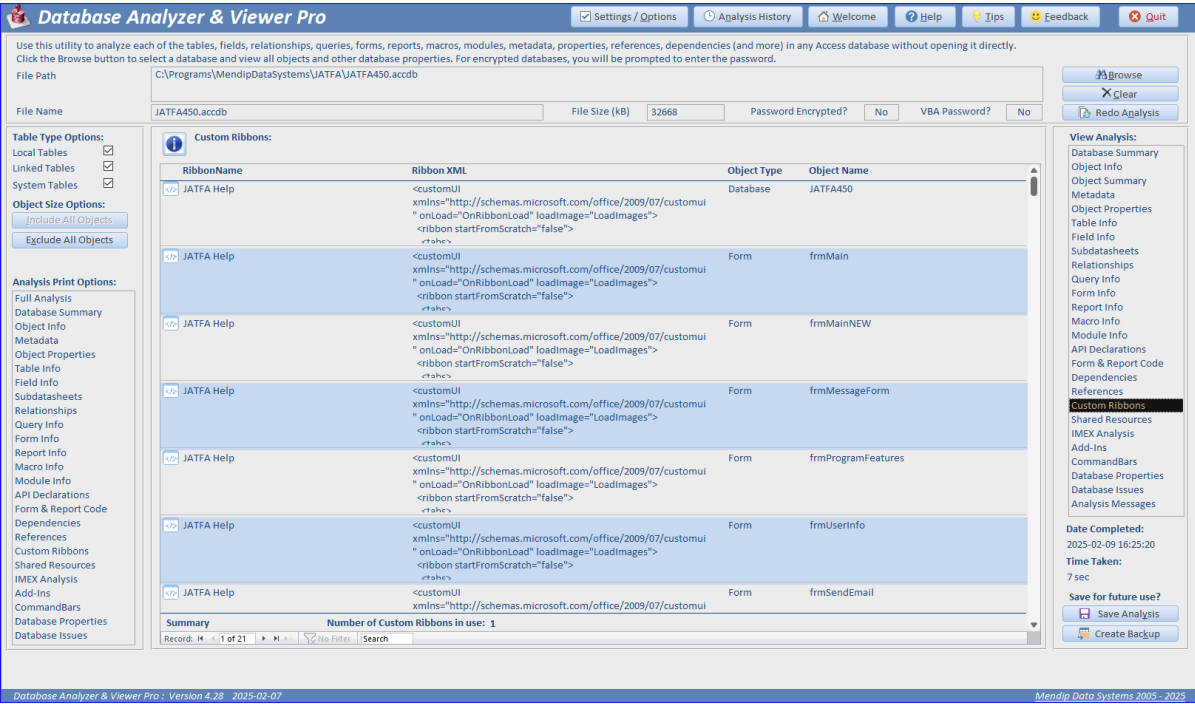
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3.19 Custom Ribbons (NEW)

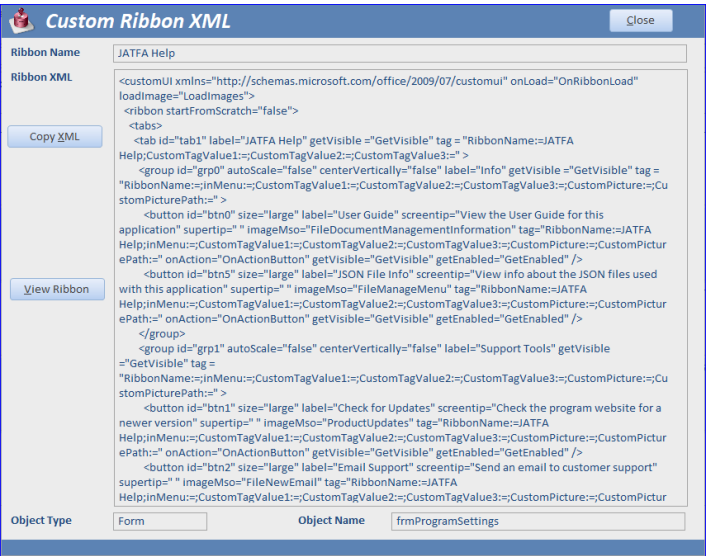
This shows details of any database objects with custom ribbons together with the ribbon XML for each.



Double click the **Ribbon XML** field to open a Zoom window:



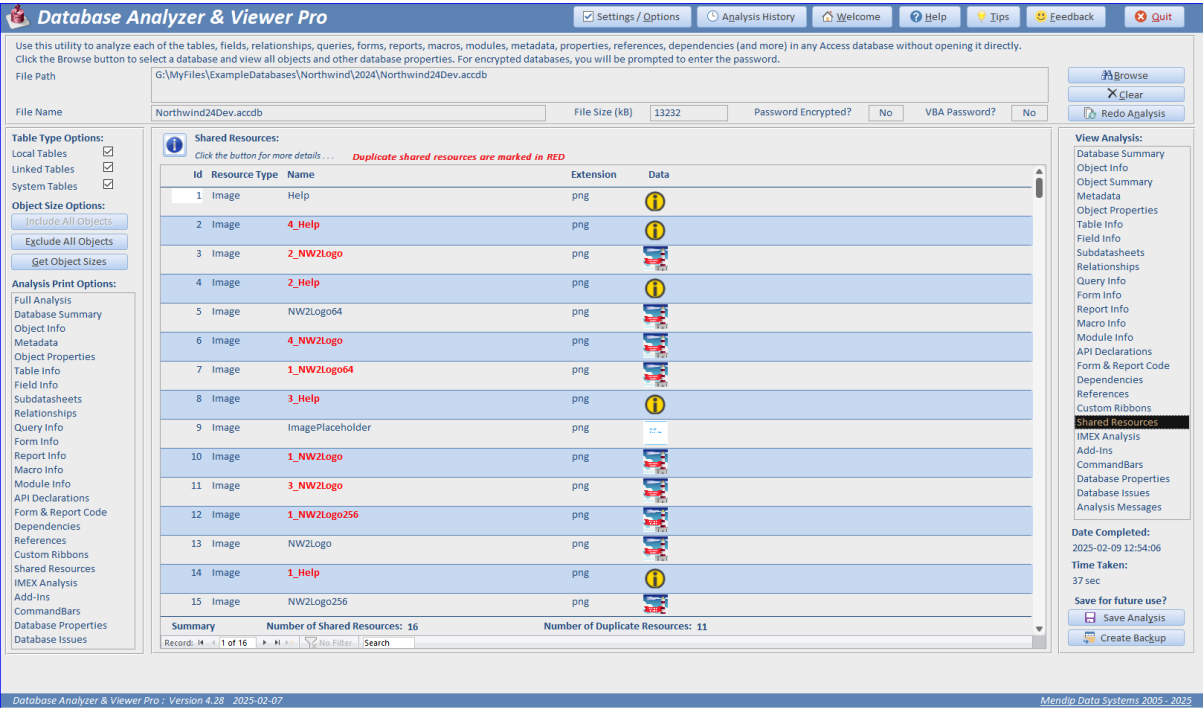
Or click the **Code** button to view the **ribbon XML**:



NOTE: Clicking **View Ribbon** will directly open the external database to the selected object with the custom ribbon

3.20 Shared Resources (NEW)

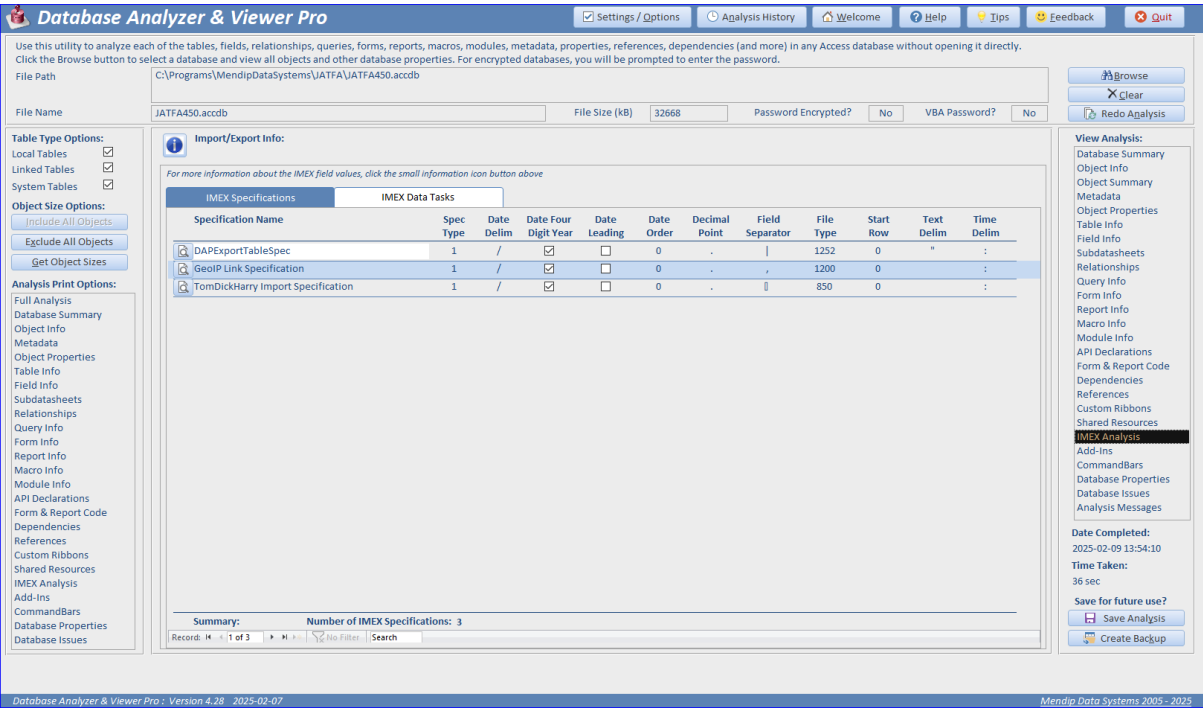
This shows details of all shared resources – all images in the Image Gallery and the database theme in use.



If there are duplicate images in the image gallery, these are shown in RED. All duplicates can be safely deleted.

3.21 Import / Export (IMEX) Analysis (NEW)

This shows the details for all IMEX specifications (stored in two system tables) and IMEX Data Tasks (stored as XML).



NOTE: There will always be at least one IMEX specification as DAPExportTableSpec is created by the analyzer.

Click the small **Preview** button on the left for additional information about the **IMEX** specification / data task.

For example, details for an **IMEX** specification:

MSys IMEX Specifications

PrintClose

SpecID4

Spec NameGeolIP Link Specification

Spec Type1Delimited

Date Delimiter/

Date Order0

Date Four Digit YearTrue

Date Leading ZerosFalse

Decimal Point.

Field Separator,

File Type1200

Start Row0

Text Delimiter

Time Delimiter:

IMEX Columns

Field Name	Attributes	Data Type	Index Type	Skip Column	Start	Width
AddressBlock	0	10	0	False	105	13
AddressLine	0	10	0	False	118	12
Date of Birth	0	8	0	False	60	20
Date of Leaving	0	10	0	False	44	16
Forename	0	10	0	False	20	10
Gender	0	10	0	False	80	7
Initials	0	10	0	False	1	9
Mobile	0	10	0	False	97	8
Surname	0	10	0	False	10	10
Teacher	0	10	0	False	36	8
Telephone	0	10	0	False	87	10
Title	0	10	0	False	30	6

Record: 1 of 12No FilterSearch

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Similarly, XML specification details for an **IMEX** data task:

Import/Export (IMEX) Data Task Specification

PrintClose

IMEX SpecIDb

IMEX NameImport-ONSPD_AUG_2017_UK_BT

IMEX Description

IMEX Specification

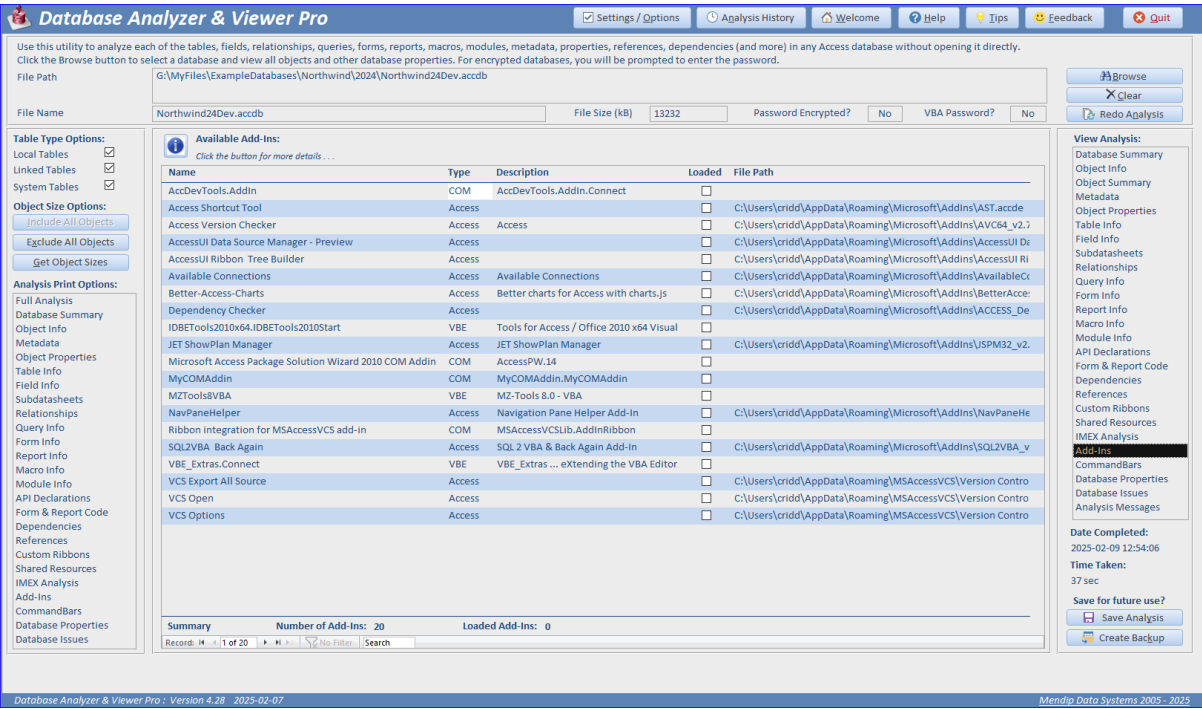
Copy to Clipboard

<?xml version="1.0" encoding="utf-8" ?>
<ImportExportSpecification Path = "G:\MyFiles\ExampleDatabases\UK Postcode
Addresses\ONSPD_AUG_2017_UK\Data\multi_csv\ONSPD_AUG_2017_UK_BT.csv"
xmlns="urn:www.microsoft.com/office/access/imexspec">
<ImportText TextFormat="Delimited" FirstRowHasNames="true"
FieldDelimiter="," TextDelimiter="DoubleQuote" CodePage="850"
Destination="ONSPD_AUG_2017_UK_BT" >
<DateFormat DateOrder="DMY" DateDelimiter="/" TimeDelimiter=":"
FourYearDates="true" DatesLeadingZeros="false" />
<NumberFormat DecimalSymbol="." />
<Columns PrimaryKey="{Auto}">
<Column Name="Col1" FieldName="pcd" Indexed="YESNODUPPLICATES"
SkipColumn="false" DataType="Text" Width="8" />
<Column Name="Col2" FieldName="pcd2" Indexed="NO"
SkipColumn="false" DataType="Text" Width="11" />
<Column Name="Col3" FieldName="pcds" Indexed="NO"
SkipColumn="false" DataType="Text" Width="10" />
<Column Name="Col4" FieldName="doint" Indexed="NO"
SkipColumn="false" DataType="Text" Width="9" />
<Column Name="Col5" FieldName="doterm" Indexed="NO"
SkipColumn="false" DataType="Text" Width="9" />
<Column Name="Col6" FieldName="oscty" Indexed="NO"
SkipColumn="false" DataType="Text" Width="12" />
<Column Name="Col7" FieldName="oslaui" Indexed="NO"
SkipColumn="false" DataType="Text" Width="12" />
<Column Name="Col8" FieldName="osward" Indexed="NO"

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07Mendip Data Systems 2005 - 2025

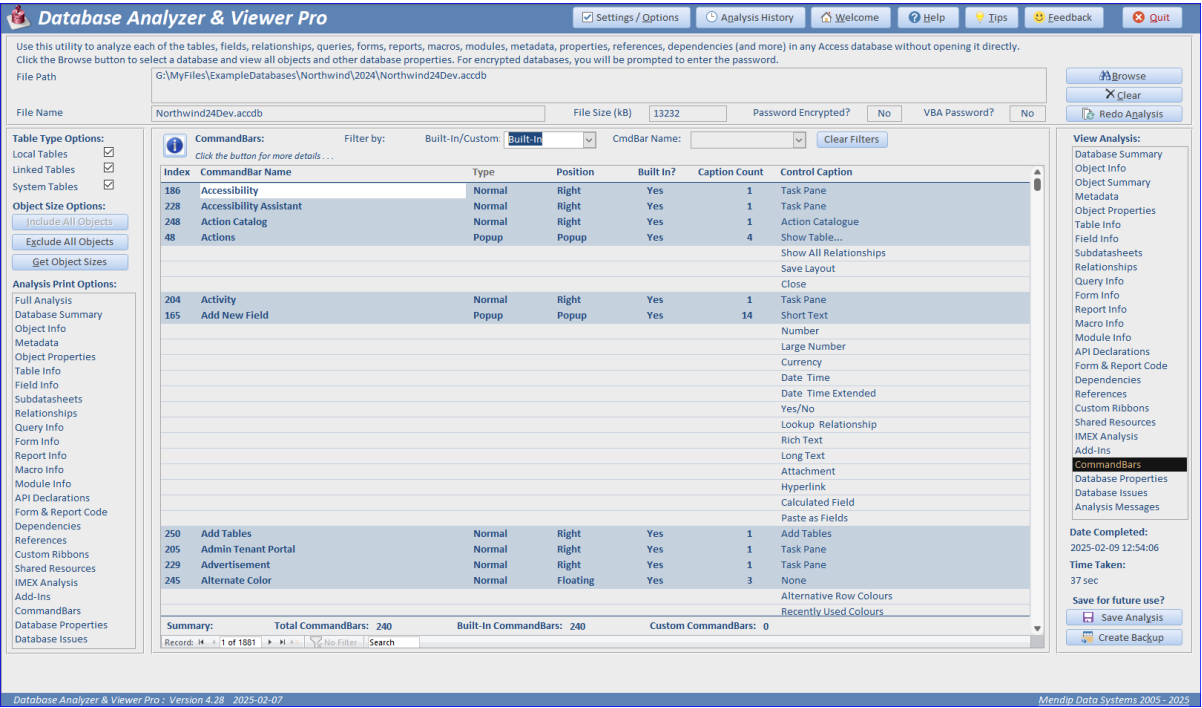
3.22 Add-Ins (NEW)

This gives a list of all available add-ins (COM / VBE / Access) for the workstation where the application was analyzed. The file path is only available for Access add-ins.



3.23 CommandBars (NEW)

This gives a list of all custom and (optionally) built-in command bars for the database



For each command bar, the type, position and details of all command bar control captions are listed.

3.24 Database Properties

Full list of database properties including property name, type and value.

Database Analyzer & Viewer Pro

Settings / OptionsAnalysis HistoryWelcomeHelpTipsFeedbackQuit

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File PathG:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb

File NameNorthwind24Dev.accdbFile Size (KB)13232Password Encrypted?NoVBA Password?No

Table Type Options:
Local Tables☒
Linked Tables☒
System Tables☒
Object Size Options:
Include All Objects
Exclude All Objects
Get Object Sizes
Analysis Print Options:
Full Analysis
Database Summary
Object Info
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues

Database Properties:
Click the button for more details ...

Property Name	Property Type	Value
AccessVersion	Short Text	09.50
AllowBuiltinToolbars	Yes/No	-1
AllowDatasheetSchema	Yes/No	0
AllowFullMenus	Yes/No	-1
AllowShortcutMenus	Yes/No	-1
AllowSpecialKeys	Yes/No	-1
AllowToolBarChanges	Yes/No	-1
ANSI Query Mode	Long Integer	0
AppTitle	Short Text	Northwind Traders Developer Edition 2.4 Colin Riddington
Auto Compact	Long Integer	0
Build	Long Integer	720
CheckTruncatedNumFields	Long Integer	1
Clear Cache on Close	Long Integer	0
CollatingOrder	Integer	1033
Connect	Long Text	
Continuous Form Navigation Keys	Long Integer	0
CustomRibbonID	Short Text	Main
DefaultBackupLocation	Short Text	C:\Users\dtayl\Desktop\Clients\Microsoft - New Northwind\Sandbox-DEV Edition\Other Devs\Archive\
DesignMasterID	GUID	
DesignWithData	Yes/No	-1
HasOfflineLists	Integer	70
Log Name AutoCorrect Changes	Long Integer	0
Name	Long Text	G:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb
NavPane Category	Long Integer	4
NavPane Category Name	Short Text	Northwind Traders 2.4
Summary	Number of Properties:	57

Records: 14 of 57UnfilteredSearch

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Subdatasheets
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Custom Ribbons
Shared Resources
IMEX Analysis
Add-Ins
CommandBars
Database Properties
Database Issues
Analysis Messages

Date Completed:
2025-02-09 12:54:06
Time Taken:
37 sec
Save for future use?
Save Analysis
Create Backup

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07Mendip Data Systems 2005 - 2025

As with all types of analysis, the results can also be viewed in a report.

Database Properties

File Name:Northwind24Dev.accdb
File Path:G:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb
App Title:Northwind Traders Developer Edition 2.4 Colin Riddington
File Size (kilobytes):13232
Analysis Completed:09/02/2025 15:47:17

Property Name	Type	Type Name	Value
AccessVersion	10	Short Text	09.50
AllowBuiltinToolbars	1	Yes/No	-1
AllowDatasheetSchema	1	Yes/No	0
AllowFullMenus	1	Yes/No	-1
AllowShortcutMenus	1	Yes/No	-1
AllowSpecialKeys	1	Yes/No	-1
AllowToolBarChanges	1	Yes/No	-1
ANSI Query Mode	4	Long Integer	0
AppTitle	10	Short Text	Northwind Traders Developer Edition 2.4 Colin Riddington
Auto Compact	4	Long Integer	0
Build	4	Long Integer	720
CheckTruncatedNumFields	4	Long Integer	1
Clear Cache on Close	4	Long Integer	0
CollatingOrder	3	Integer	1033
Connect	12	Long Text	
Continuous Form Navigation Keys	4	Long Integer	0
CustomRibbonID	10	Short Text	Main
DefaultBackupLocation	10	Short Text	C:\Users\dtayl\Desktop\Clients\Microsoft - New Northwind\Sandbox-DEV Edition\Other Devs\Archive\
DesignMasterID	15	GUID	
DesignWithData	1	Yes/No	-1
HasOfflineLists	3	Integer	70
Log Name AutoCorrect Changes	4	Long Integer	0
Name	12	Long Text	G:\MyFiles\ExampleDatabases\Northwind\2024\Northwind24Dev.accdb
NavPane Category	4	Long Integer	4
NavPane Category Name	10	Short Text	Northwind Traders 2.4
NavPane Closed	4	Long Integer	0
NavPane Sort By	4	Long Integer	0
NavPane View By	4	Long Integer	0
NavPane Width	4	Long Integer	215
Never Cache	4	Long Integer	0
Option to enable Monaco SQL Editor	4	Long Integer	1
Picture Property Storage Format	4	Long Integer	0
ProjVer	3	Integer	142
PropertySheet Label Width	4	Long Integer	1880
QueryTimeout	3	Integer	60
RecordsAffected	4	Long Integer	0
ReplicaID	15	GUID	
Show Navigation Pane Search Bar	4	Long Integer	1
Show Values In Indexed	4	Long Integer	1
Show Values In Non-Indexed	4	Long Integer	1
Show Values In Remote	4	Long Integer	0

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Property Name	Type	Type Name	Value
Show Values Limit	4	Long Integer	1000
ShowDocumentTabs	1	Yes/No	-1
StartupShowDBWindow	1	Yes/No	-1
StartupShowStatusBar	1	Yes/No	-1
Theme Resource Name	10	Short Text	1_Office Theme
Themed Form Controls	4	Long Integer	1
Track Name AutoCorrect Info	4	Long Integer	1
Transactions	1	Yes/No	-1
Updatable	1	Yes/No	-1
Use Blight for linking and importing data	4	Long Integer	0
Use DateTime2 for linking and importing data	4	Long Integer	0
Use Microsoft Access 2007 compatible cache	4	Long Integer	1
UseAppIconForPrint	1	Yes/No	0
UseMDI Mode	2	Byte	0
Version	12	Long Text	14.0
WebDesignMode	2	Byte	0

Total Database Properties: 57

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DatabaseAnalyzerProHelpGuide_v429.docx

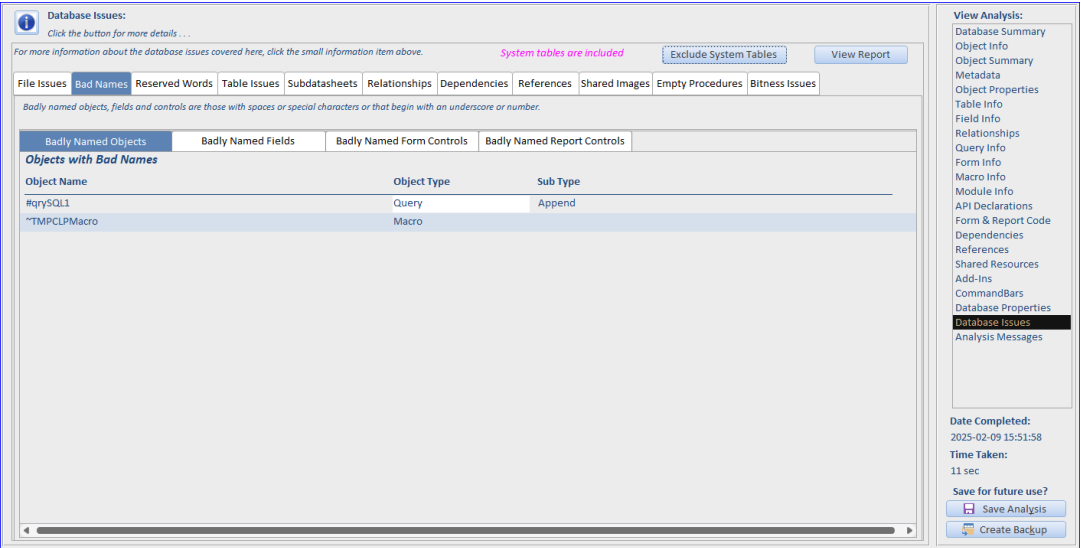
14/02/2025

3.25 Database Issues (NEW)

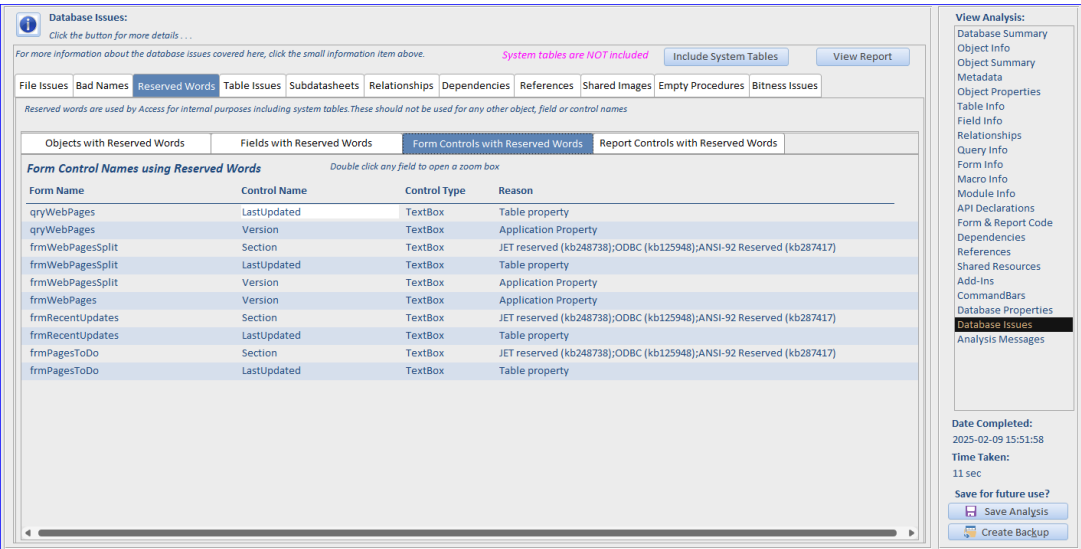
This screen gives information about any issues detected by the analyzer. These may include:

- large file size (greater than 1 GB) or unused space due to object deletions
- trust settings
- badly named objects, fields and controls
- use of reserved words in object, field and control names
- unused tables not referenced in any queries, forms, reports, macros, modules or as table level lookups
- table design issues - no primary key, no indexes, broken links, use of complex datatypes
- use of lookup fields in tables
- use of subdatasheets in tables, queries or forms
- relationships without referential integrity
- broken dependencies between forms, reports, tables and queries
- broken references to external libraries or databases
- duplicate shared images in the image gallery
- empty VBA procedures in forms, reports and modules
- 32-bit/64-bit issues with APIs

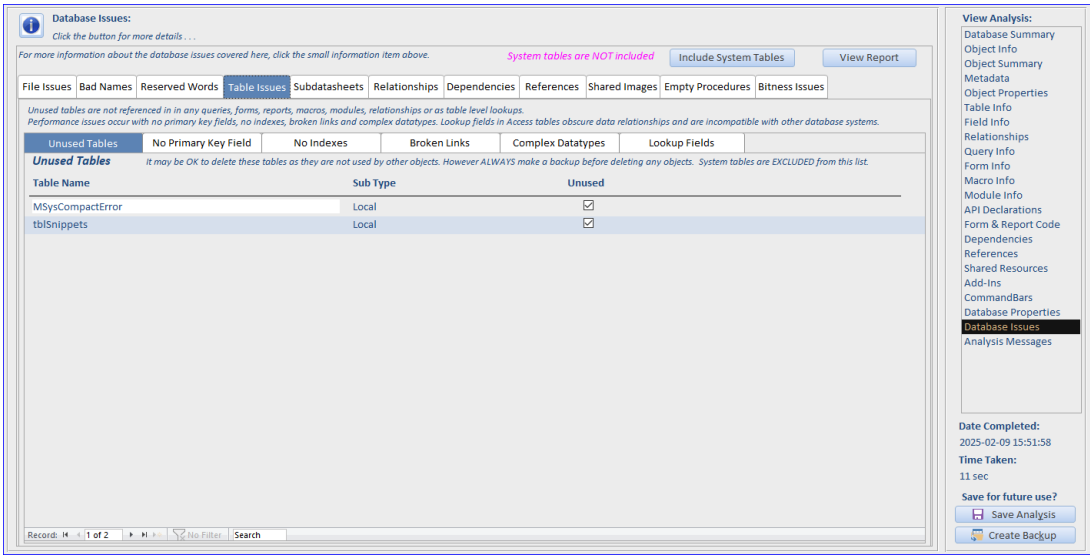
The first example shows a list of badly named objects:



The next example shows all form controls using Access reserved words:



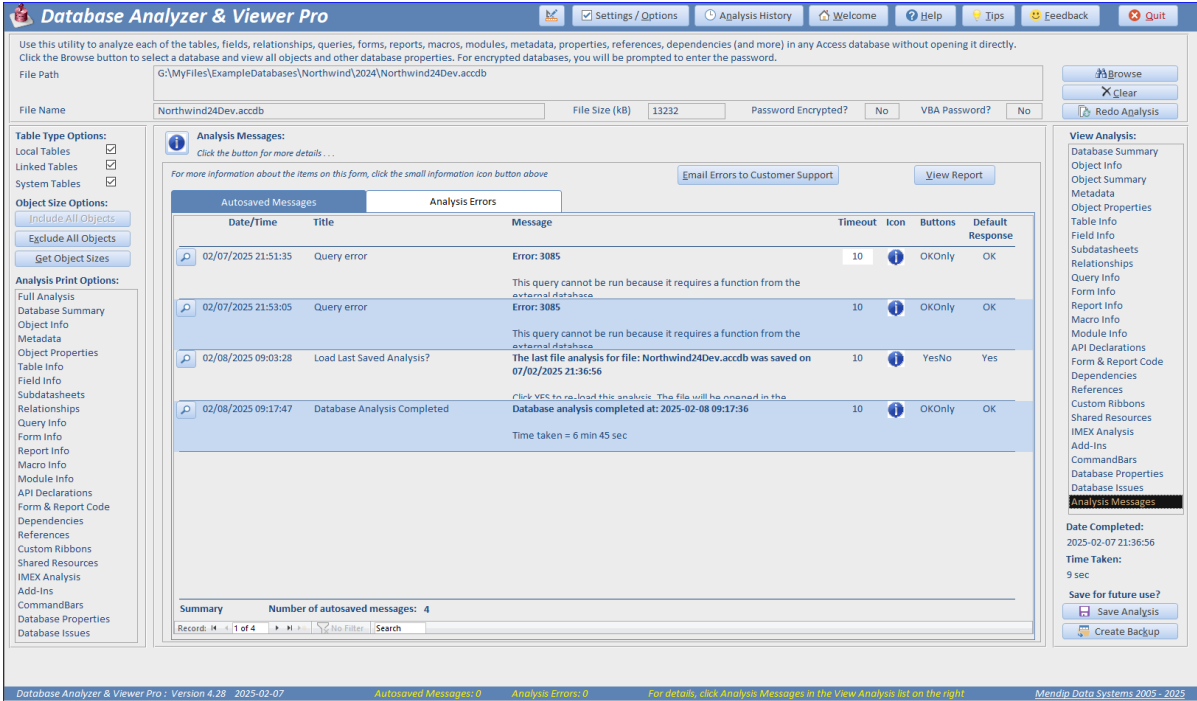
The third example lists unused tables:



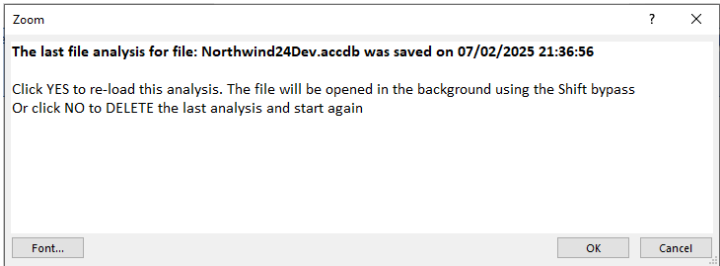
All issues detected by the analyzer should be considered as high priority items to be fixed by the developer

3.26 Analysis Messages (NEW)

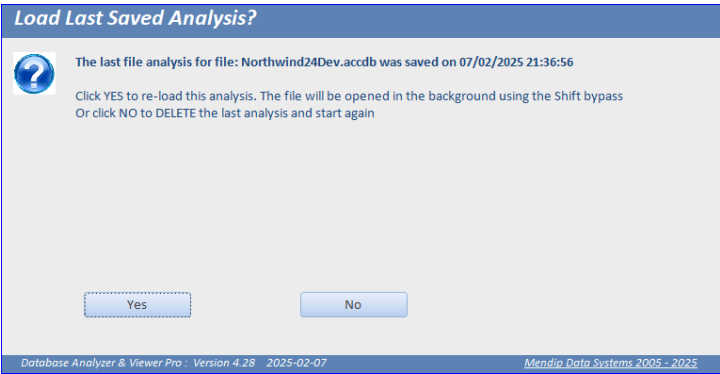
This gives details of any autosaved messages shown whilst the analysis was running or after it was completed.



Double click on any message to open a Zoom window showing the full text:

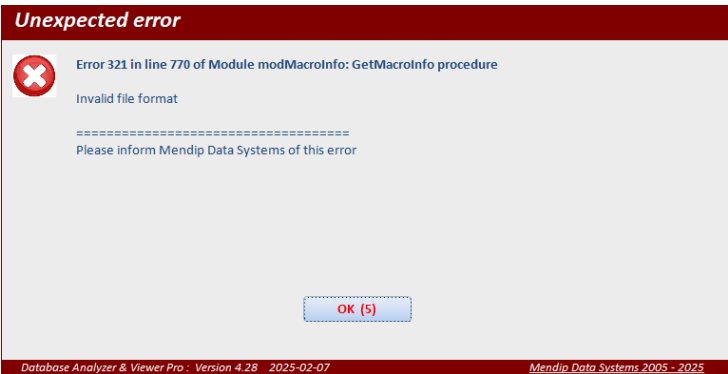


Alternatively, click the small View button on the left to view the full message (without a timeout):



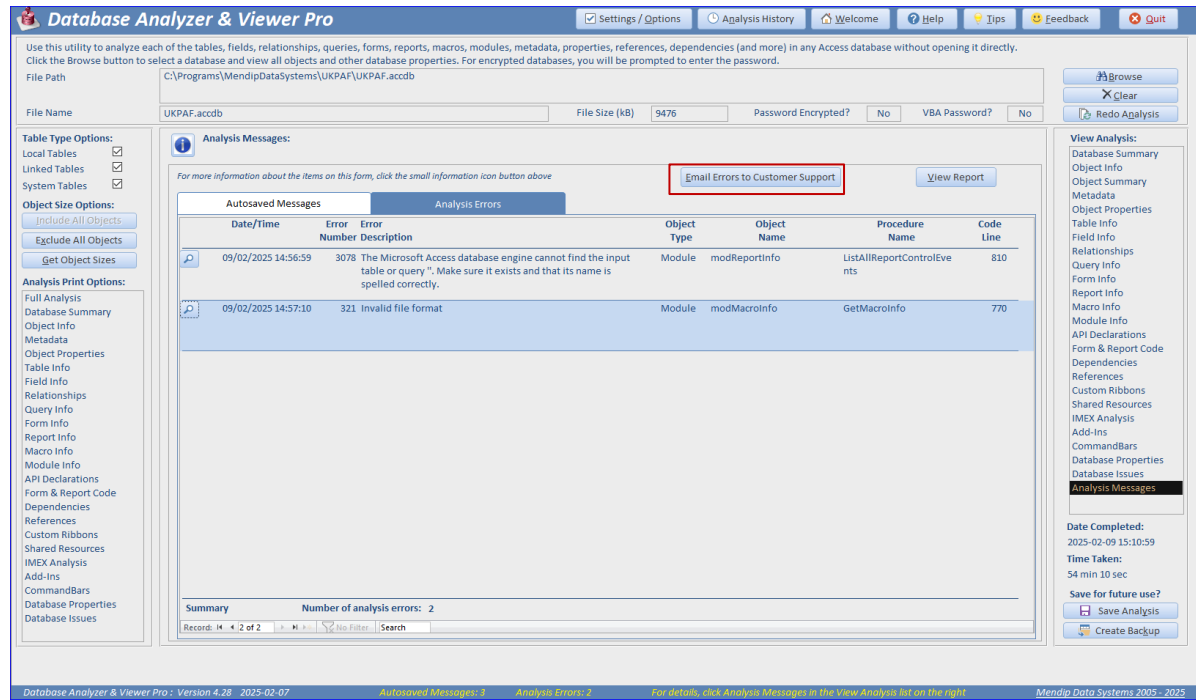
It is very unlikely that errors will occur when you are running the analyzer, as it has been extensively tested on a wide range of databases including many with specific issues.

However, if you do experience any errors, these will be displayed in RED during the analysis:



So that the analysis can continue unattended, the error message will close automatically after 10 seconds with the details saved for information. Any errors can later be viewed from the Analysis Messages | Analysis Errors tab.

NOTE: Both of the errors below were deliberately triggered for illustration purposes



Please click the **Email Errors to Customer Support** button to email details of these errors to **Mendip Data Systems**. Doing this will help us to further improve this application in future updates.

 **Send EMail to Customer Support**

Send E-MailClose

Use this form to send an email to Customer Support. By default, a copy is also sent to the registered user.
A PDF of the analysis error report is automatically attached. You may attach one or more other files if required

Send To:info@mendipdatasystems.co.uk

Copy To:Use a semicolon (;) between email addresses

Subject:Database Analyzer & Viewer Pro - Analysis Error Report from Colin Riddington

Enter / edit the message text below:Include workstation info with email? (RECOMMENDED) ☒

Computer Info:
Workstation:
DAP Version = 4.28 2025-02-07
Windows Version = Microsoft Windows 10 Pro 10.0.19045 64-bit
Access Version = Access 365 Version 2502 - Build 16.0.18526.20024 64-bit
Screen Resolution = 1920 * 1080
Office Language = English UK

The analysis error report is attached as a PDF file

Attach File(s)Remove FilesView Analysis Errors Report

Attachments:G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\AnalysisErrorsReport.pdf

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07Mendip Data Systems 2005 - 2025

NOTE: The Email button is only shown when errors have occurred.

4. Analysis Reports

Reports are available for all analysis items. For example, the details of all identified **Database Issues**:

Database Issues

File Name: I:\WebsiteProgressCheck.accdb

File Path: G:\MyFiles\MDS\Website\I\WebsiteProgressCheck.accdb

App Title: WebPagesProgress

File Size (kilobytes): 1760

Analysis Completed: 08/02/2025 21:48:28

This is a summary of various issues that should be addressed to improve database performance / reliability

System tables have been INCLUDED. To change this, click the Exclude System Tables button and open the report again.

1. Database File Issues

Performance can be affected in large database files that exceed 1 GB.

Similarly for files with a lot of wasted space from multiple objects being deleted. Compacting may help.

There are no file size issues with this database.

2. Badly Named Database Objects

Badly named objects are those with spaces or special characters or that begin with an underscore or number.

a) Objects with Bad Names

Object Name	Object Type	Sub Type
MySQL1	Query	Append
TMPCPLMacro	Macro	

b) Table Fields with Bad Names

Table Name	Table Type	Field Name
MSysNavPaneGroups	System	Object Type Group
tbSnippets	Local	Changes made
		Date completed
		To Do

c) Form Controls with Bad Names

Form Name	Control Name
frmWebPages	Last Updated
	Last Updated_Label

d) There are no Report controls with bad names in this database.

3. Use of Reserved Words

Reserved words are used by Access for internal purposes. These should not be used for object, field or control names

a) There are no object names using reserved words

b) Field Names using Reserved Words

Table Name	Table Type	Field Name	Reason
MSysIMEXColumns	System	Attributes	Table property; Field property
		Start	Future SQL Server keyword (TSQL Ref in MSDN)

MSysAccessXML

Width

Form property; Report property

Access reserved (kb286335)

Value

JET reserved word; Field property; ODBC (kb125948)

MSysAccessStorage

Type

Field property

Name

Form property; Form Section property; Report property; Report Section property; Table property; Field property

MSysQueries

Expression

Field property

Order

JET reserved (kb248738); SQL Server reserved; ODBC (kb125948)

MSysNavPaneGroups

Position

JET reserved (kb248738); ODBC (kb125948); ANSI-92 Reserved (kb287417)

Name

Form property; Form Section property; Report property; Report Section property; Table property; Field property

MSysNavPaneGroupCategories

Filter

Form property; Report property

Name

Form property; Form Section property; Report property; Report Section property; Table property; Field property

Position

JET reserved (kb248738); ODBC (kb125948); ANSI-92 Reserved (kb287417)

Type

Field property

MSysNavPaneGroupToObject

Name

Form property; Form Section property; Report property; Report Section property; Table property; Field property

Position

JET reserved (kb248738); ODBC (kb125948); ANSI-92 Reserved (kb287417)

MSysNavPaneObjectIDs

Name

Form property; Form Section property; Report property; Report Section property; Table property; Field property

Type

Field property

MSysResources

System Complex

Data

Future SQL Server keyword (TSQL Ref in MSDN)

Name

Form property; Form Section property; Report property; Report Section property; Table property; Field property

tblWebPages

Local

Version

Application Property

LastUpdated

Table property

ForeignName

Field property

MSysObjects

System

Name

Form property; Form Section property; Report property; Report Section property; Table property; Field property

Database

JET reserved (kb248738); SQL Server reserved; ODBC (kb125948)

Connect

JET reserved word; Table property; ODBC (kb125948)

Type

Field property

MSysNameMap

GUID

JET reserved (kb248738)

Type

Field property

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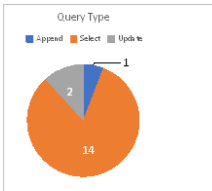
As another example, here are the first 2 pages of a **Query Analysis** report:

Query Analysis

File Name: I:\Website\ProgressCheck.accdb
File Path: G:\MyFiles\MDS\Website\I\Website\ProgressCheck.accdb
App Title: WebPagesProgress
File Size (kilobytes): 1760
Analysis Completed: 09/02/2025 15:51:58

Summary:

Query Type	Count
Append	1
Select	14
Update	2
Total Queries	17



Query Details:
Poorly named queries with spaces, special characters or an underscore / number at the start are marked in RED

Query Name: #qrySQL1
Query Type: Append
Query SQL: INSERT INTO tblAnalysisHistory (FilePath, FileName, Pwd, FileSize, DateCompleted, TimeTaken, Objects, Metadata, Tables, Fields, Relationships, Queries, Procedures, Dependencies, [References], DBProperties, ObjectSizes) VALUES (" & strFilePath & ", " & strFileName & ", " & strPw & ", " & lngFileSize / 1024 & ", " & Me.txtCompleted & " & " & GetTimeTaken & ", " & " & IIf(GetAllObjectMetadata = "Yes", -1, 0) & ", " & IIf(GetAllTableInfo = "Yes", -1, 0) & ", " & IIf(GetAllFieldInfo = "Yes", -1, 0) & ", " & IIf(GetAllRelationshipInfo = "Yes", -1, 0) & ", " & IIf(GetAllProcInfo = "Yes", -1, 0) & ", " & IIf(GetAllDependencyInfo = "Yes", -1, 0) & ", " & IIf(GetAllReferenceInfo = "Yes", -1, 0) & ", " & IIf(GetAllPropertyInfo = "Yes", -1, 0) & ", " & IIf(GetAllObjectSizes = "Yes", -1, 0) & ");
Last Saved View: SQL
Parameters: 0
Fields: 0
Records: 0
Hidden?: ☐
Query Error: 3075
Error Description: |1 in query expression |2|

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Query Name: MSysAccessStorage Query
Query Type: Select
Query SQL: SELECT MSysAccessStorage.[DateCreate], MSysAccessStorage.[DateUpdate], MSysAccessStorage.[Id], MSysAccessStorage.[Lv], MSysAccessStorage.[Name], MSysAccessStorage.[ParentId], MSysAccessStorage.[Type] FROM MSysAccessStorage;
Last Saved View: Design
Parameters: 0
Fields: 7
Records: 115
Hidden?: ☐

Query Name: qryCountMDSRedirectDone
Query Type: Select
Query SQL: SELECT Count(qryMDSRedirect.PageName) AS CountOfPageName FROM qryMDSRedirect WHERE (((qryMDSRedirect.MDSRedirectDone) Is Not Null));
Last Saved View: Design
Parameters: 0
Fields: 0
Records: 0
Hidden?: ☐
Query Error: 3085
Error Description: Undefined function 'I' in expression.

Query Name: qryCountPagesBySection
Query Type: Select
Query SQL: SELECT tblWebPages.WebSection, Count(tblWebPages.WebSection) AS CountOfWebSection FROM tblWebPages WHERE (((tblWebPages.DonatedogsIsTrue)) GROUP BY tblWebPages.WebSection HAVING (((Count(tblWebPages.WebSection))>1)) ORDER BY Count(tblWebPages.WebSection) DESC;
Last Saved View: Design
Parameters: 0
Fields: 2
Records: 17
Hidden?: ☐

Query Name: qryDonateFormIA
Query Type: Select
Query SQL: SELECT qryWebPages.PageName, qryWebPages.UpdatedFileNameLinks, qryWebPages.FileName, qryWebPages.CidFileName, qryWebPages.Notes, qryWebPages.LastUpdated, qryWebPages.ToDo FROM qryWebPages WHERE (((qryWebPages.Notes) Like "donate*"));
Last Saved View: Design
Parameters: 0
Fields: 0
Records: 0
Hidden?: ☐
Query Error: 3085
Error Description: Undefined function 'I' in expression.

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A **Full Analysis Report** is also available which combines all items into a single report complete with a table of contents. For large databases, this may fill several hundred pages and take several minutes to compile on the first occasion.

Full Analysis Report

File Name: I:\Website\ProgressCheck.accdb
File Path: G:\MyFiles\MDS\Website\I\Website\ProgressCheck.accdb
App Title: WebPagesProgress
File Size (kilobytes): 1760
Analysis Completed: 08/02/2025 21:48:28

Table of Contents

Database Summary	2
Database Objects	3
Object Metadata	5
Object Properties	9
Table Analysis	48
Field Analysis	49
Relationship Analysis	56
Query Analysis	57
Form Analysis	64
Macro Analysis	85
Module Analysis	87
API Declarations	89
Form / Report Code	91
Dependency Info	93
VBA References Info	96
Shared Resources	99
IMEX Analysis	100
Add-Ins	104
Command Bars	106
Database Properties	155
Database Issues	157
Total Pages in Report	160

This report was created on 08/02/2025 at 22:27:03

NOTE:
There are 3 blank pages in this report. This is because there is no data for the following items:
Custom Ribbons
Report Info
Subdatasheets

Analyzed using: Database Analyzer & Viewer Pro Versions: 4.28 Copyright: Mendip Data Systems 2005-2025
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Database Summary

Item Name	Item Value	More Info
File Name	I:\Website\ProgressCheck.accdb	
Folder Path	G:\MyFiles\MDS\Website\I	
File Size	1760	Kilobytes (KB)
App Title	WebPagesProgress	
App Icon	None	
VBA Project Name	Database	
Password Encrypted File	No	
VBA Password	No	
Is Compiled	No	Check database for compile errors
Is Trusted	Yes	Trusted Location
Startup Form	frmWebPages	
Default Ribbon	None	
Split DB	No	
Local Tables	5	Excluding system tables
Linked Tables	0	
System Tables	16	
Fields	164	
Queries	17	
Forms	6	Includes a startup form
Reports	0	
Macros	2	
Modules	5	
Pages	0	Not supported in A2010 or later
Relationships	1	
Subdatasheets	0	
Total Procedures	83	Forms, reports and modules combined
Total Code Lines	764	Forms, reports and modules combined
API Declarations	11	
References	8	
IMEX Specifications	4	
IMEX Data Tasks	0	
Dependencies	28	
Dependence Objects	27	
Custom Ribbons	0	
Custom Command Bars	0	
Shared Resources	1	Themes & Shared Images
Bad Names Used	Yes	See Database Issues for details
Reserved Words Used	Yes	See Database Issues for details
Table Lookups Used	Yes	See Database Issues for details
Empty Procedures	Yes	See Database Issues for details

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Once the report has been created for the first time, layout details including page numbers are saved so that it will open significantly faster on future occasions.

5. Analysis History

Whenever an analysis is completed, details are automatically saved to the **AnalysisHistory** table. The analysis history form shows a history of all completed analyses including the options used and whether a backup was made.

Completed Analysis History																											Clear ALL Analysis History										Clear Analysis History with no Backup										Print		Close	
File Information				Analysis Options Used																		Analysis Completion Info				Analysis Backup Information																								
File Path / Name		File Size (kB)	VBA Password?	Database Password?	Object Properties	Object Info	Object Summary	Table Info	Field Info	Subdatasheets	Relationships	Queries	Forms	Reports	Macros	API Declarations	Form & Report Code	Dependencies	References	Custom Ribbons	Shared Resources	IMEX Special Fields	Add-Ins	Command Bars	DB Issues	Date Completed	Time Taken	Backup Database Path (double click to open a zoom box)	Backup File Size (kB)																					
G:\MyFiles\ExampleDatabases\ComplexDataTypes\ComplexDataTypesTest.accdb																																																		
C:\Programs\MendipDataSystems\UKPAF\UKPAF.accdb		10880																								4.27	2025-01-28 17:30:04	3 sec																						
C:\Programs\MendipDataSystems\UKPAF\UKPAF.accdb		9376																								4.27	2025-01-28 12:38:41	31 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\UKPAF\DBAnalyzerPro_v4.27_UKPAF_20	57536																			
G:\MyFiles\ExampleDatabases\ControlApplicationInterface\CAI_v368.accdb		4740																								4.27	2025-01-27 17:54:09	3 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\CAI_v368\DBAnalyzerPro_v4.27_CAI_v36	26112																			
C:\Programs\MendipDataSystems\SPS\SPS.accdb		141884																								4.25	2025-01-07 01:58:46	38 min 57 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\SPS\DBAnalyzerPro_v4.25_SPS_20250107	53560																			
C:\Programs\MendipDataSystems\SPS\SPS.accdb		4032																								4.25	2025-01-06 22:16:18	2 min 35 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\CAI_v368\DBAnalyzerPro_v4.25_CAI_v36	24340																			
G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\DBAP_423_AnalysisTEST.accdb		23068																								4.24	2025-01-05 23:33:45	2 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\DBAP_423_AnalysisTEST\DBAnalyzerPro	69360																			
G:\MyFiles\ExampleDatabases\DatabaseObjects_v2.42.accdb		1492																								4.23	2025-01-05 11:40:20	2 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\DatabaseObjects_v2.42\DBAnalyzerPro	17532																			
G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\DBAP_423_AnalysisTEST.accdb		24876																								4.23	2025-01-05 11:03:35	3 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\DBAP_423_AnalysisTEST\DBAnalyzerPro	64672																			
G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\DBAP_423_AnalysisTEST.accdb		24416																								4.23	2025-01-05 00:51:43	1 min 54 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\DBAP_423_AnalysisTEST\DBAnalyzerPro	72704																			
G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\DBAP_423_AnalysisTEST.accdb		24416																								4.23	2025-01-05 00:44:39	41 min 41 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\DBAP_423_AnalysisTEST\DBAnalyzerPro	72268																			
C:\Programs\MendipDataSystems\UKPAF\UKPAF.accdb		9120																								4.23	2025-01-04 22:53:54	5 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\UKPAF\DBAnalyzerPro_v4.23_UKPAF_20	62660																			
G:\MyFiles\ExampleDatabases\AppTranslator\AppTranslator_v1.85.accdb		3704																								4.22	2025-01-04 02:36:42	0 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\AppTranslator_v1.85\DBAnalyzerPro_v4	25728																			
G:\MyFiles\ExampleDatabases\DatabaseObjects_v2.3.accdb		3512																								4.22	2025-01-04 01:44:16	4 min 43 sec		G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\DatabaseObjects_v2.3\DBAnalyzerPro_v	17024																			
Database Analyzer & Viewer Pro - Version 4.28 - 2025-02-07																											Most recent analysis is shown at the top																							
																																																	Mendip Data Systems 2005 - 2027	

This allows the analysis to be reloaded when the analyzer is next opened.

Load Last Saved Analysis?

The last file analysis for file: CAI_v368.accdb was saved on 08/02/2025 22:47:32

Click YES to re-load this analysis. The file will be opened in the background using the Shift bypass
Or click NO to DELETE the last analysis and start again

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07 Mendip Data Systems 2005 - 2025

To do this, either click the **Save Analysis** button on the main form, or follow the prompts before closing the analyzer.

Database Analyzer & Viewer Pro

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly.
Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File Path: G:\MyFiles\MDS\Website\IAWebsiteProgressCheck.accdb

File Name: IAWebsiteProgressCheck.accdb File Size (kB): 1760 Password Encrypted?: No VBA Password?: No

Table Type Options: Local Tables ☒ Linked Tables ☒ System Tables ☒

Object Size Options: Include All Objects Exclude All Objects Get Object Sizes

Analysis Print Options: Full Analysis Database Summary Object Info Metadata Object Properties Table Info Field Info Subdatasheets Relationships Query Info Form Info Report Info Macro Info Module Info API Declarations Form & Report Code Dependencies References Custom Ribbons Shared Resources IMEX Analysis Add-Ins CommandBars Database Properties Database Issues

Database Properties:

Property Name	Property Type	Value
AccessUIFormVersion	Short Text	19.10.17
AccessUIModuleVersion	Short Text	19.10.17
AccessUISchemaVersion	Short Text	21.01.25
AccessVersion	Short Text	09.50
AllowBuiltInToolbars	Yes/No	-1
AllowDatasheetSchema	Yes/No	-1
AllowFullMenus	Yes/No	-1
AllowShortcutMenus	Yes/No	-1
AllowSpecialKeys	Yes/No	-1
AllowToolBarChanges	Yes/No	-1
ANSI Query Mode	Long Integer	0
AppTitle	Short Text	WebPagesProgress
Auto Compact	Long Integer	0
Build	Long Integer	720
CheckTruncatedNumFields	Long Integer	1
Clear Cache on Close	Long Integer	0
CollatingOrder	Integer	1033
Connect	Long Text	
Continuous Form Navigation Keys	Long Integer	0
Continuous Form Record Navigation Keys	Long Integer	0
DesignMasterID	GUID	
DesignWithData	Yes/No	-1
HasOfflineLists	Integer	70
Name	Long Text	G:\MyFiles\MDS\Website\IAWebsiteProgressCheck.accdb
NavPane Category	Long Integer	0

Summary Number of Properties: 58

Record: 1 of 58 Unfiltered Search

View Analysis: Database Summary Object Info Object Summary Metadata Object Properties Table Info Field Info Subdatasheets Relationships Query Info Form Info Report Info Macro Info Module Info API Declarations Form & Report Code Dependencies References Custom Ribbons Shared Resources IMEX Analysis Add-Ins CommandBars Database Properties Database Issues Analysis Messages

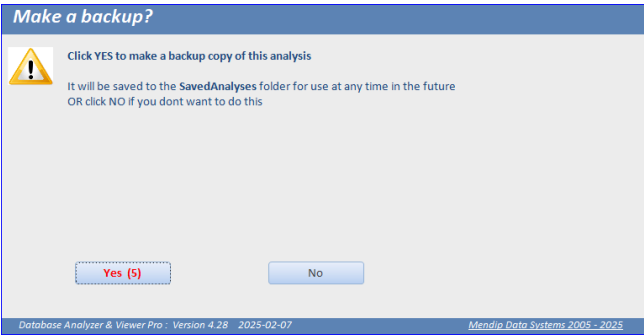
Date Completed: 2025-02-08 21:48:28 Time Taken: 2 sec

Save for future use? ☒ Save Analysis

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07 Mendip Data Systems 2005 - 2025

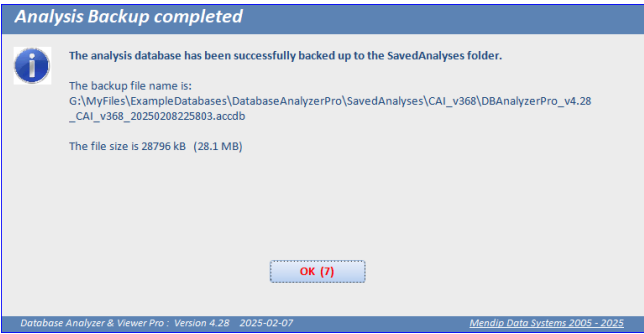
The **Analysis History** feature only directly allows the latest analysis to be restored.

However, you can also save an analysis for future use by clicking the **Create Backup** button.

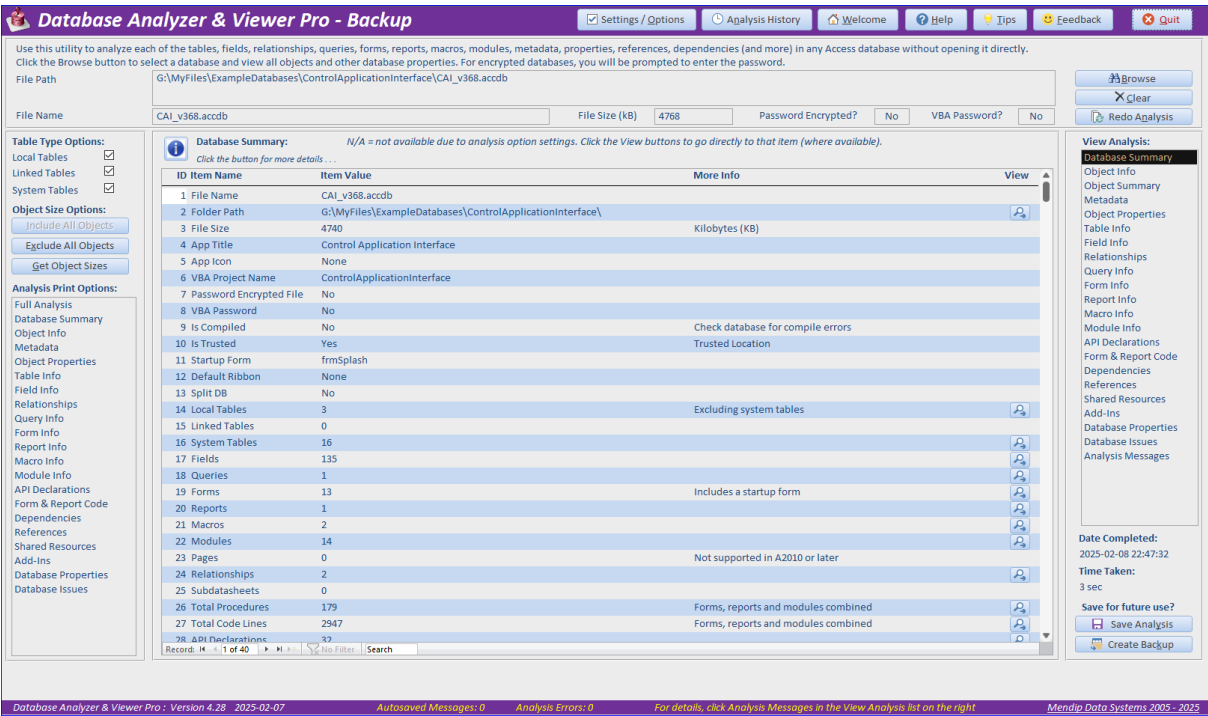


The destination file is saved to a **SavedAnalyses** subfolder of the main analyzer with the application name, DAP version number, file name and saved date/time. For example:
`G:\MyFiles\ExampleDatabases\DatabaseAnalyzerPro\SavedAnalyses\CAI_v368\DBAnalyzerPro_v4.29_CAI_v368_20250208225803.accdb`

Details are displayed in another form once the backup has completed. This only takes a few seconds



The backup file can then be opened directly from **Windows File Explorer** or by clicking the red **Access** icon on the right of the **Analysis History** form. For easy identification, all backup files have a **purple** header/footer.



Although you can still click **Redo Analysis** with additional analysis items, this will remain a separate backup file.

6. Import Old Analysis

Previously backed up analyses can also be imported so that additional analysis options can be run. To do so, first click the **Settings / Options** button on the main form.

Database Analyzer & Viewer Pro

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File Path: G:\MyFiles\ExampleDatabases\ControlApplicationInterface\CAI_v368.accdb

File Name: CAI_v368.accdb | File Size (kB): 4768 | Password Encrypted?: No | VBA Password?: No

Table Type Options:
☒ Local Tables
☒ Linked Tables
☒ System Tables

Object Size Options:
 Include All Objects
 Exclude All Objects
 Get Object Sizes

Analysis Print Options:
☐ Full Analysis
☐ Database Summary
☐ Object Info
☐ Metadata
☐ Object Properties
☐ Table Info
☐ Field Info
☐ Relationships
☐ Query Info
☐ Form Info
☐ Report Info
☐ Macro Info
☐ Module Info
☐ API Declarations
☐ Form & Report Code
☐ Dependencies
☐ References
☐ Shared Resources
☐ Add-Ins
☐ Database Properties
☐ Database Issues

Database Summary: N/A = not available due to analysis option settings. Click the View buttons to go directly to that item (where available).

ID	Item Name	Item Value	More Info	View
1	File Name	CAI_v368.accdb		
2	Folder Path	G:\MyFiles\ExampleDatabases\ControlApplicationInterface\		
3	File Size	4768	Kilobytes (KB)	
4	App Title	Control Application Interface		
5	App Icon	None		
6	VBA Project Name	ControlApplicationInterface		
7	Password Encrypted File	No		
8	VBA Password	No		
9	Is Compiled	No	Check database for compile errors	
10	Is Trusted	Yes	Trusted Location	
11	Startup Form	frmSplash		
12	Default Ribbon	None		
13	Split DB	No		
14	Local Tables	3	Excluding system tables	
15	Linked Tables	0		
16	System Tables	16		
17	Fields	135		
18	Queries	1		
19	Forms	13	Includes a startup form	
20	Reports	1		
21	Macros	2		
22	Modules	14		
23	Pages	0	Not supported in A2010 or later	
24	Relationships	2		
25	Subdatasheets	0		
26	Total Procedures	179	Forms, reports and modules combined	
27	Total Code Lines	2947	Forms, reports and modules combined	
28	API Declarations	32		

Record: 1 of 40 | No Filter | Search

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Shared Resources
Add-Ins
Database Properties
Database Issues
Analysis Messages

Date Completed: 2025-02-08 22:47:32
Time Taken: 3 sec
Save for future use?
 Save Analysis
 Create Backup

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07 | Autosaved Messages: 0 | Analysis Errors: 0 | For details, click Analysis Messages in the View Analysis list on the right | Mendip Data Systems 2005 - 2025

The Settings form opens. Click **Browse** in the **Import Old Analysis** section:

Application Settings & Analysis Options

Use this form to manage various application and analysis settings. Also to import data from an old saved analysis.

Application Settings:
 Enable All Application Settings | Disable All Application Settings

Show Splash Screen at Start ☐ Cannot be removed in the evaluation version
Show Welcome Screen at Start ☐ Cannot be removed in the evaluation version
Show Application Tips at Start ☐ Tick to show application tips at startup
Display Tips in Random Order ☒ Untick to show application tips in order
Maximize Main Forms On Load ☒ Use if you have issues with form resizing
Show Info Message On Browse ☐ Tick to show message when browsing to a file
Show Compact DB Message At End ☐ Tick to show message if file needs compacting
Show External Query Design Message ☐ Viewing query design opens analyzed app
Show External Relationships Message ☐ Viewing Relationships window opens analyzed app
Show Customer Support EMail Message ☐ Use if you have issues with form resizing
Show External Ribbon Message ☐ Viewing external ribbon opens analyzed app
Show VBA Code in Colour ☒ Tick to show colour formatting in VBA code
Exclude Built-In Command Bars ☐ Untick to show built-in & custom command bars
Automatically create TOC in full report ☐ Tick for automate TOC; untick to decide manually
Show TOC warning before repeat analysis ☒ Repeat analysis removes TOC page data
Exclude system tables from DB Issues ☐ Tick to exclude; untick to include system tables

Import Old Analysis:
Browse to (or enter) the path below to import data from an old analysis: Browse

Clear File Path | Cancel Import | Import Analysis

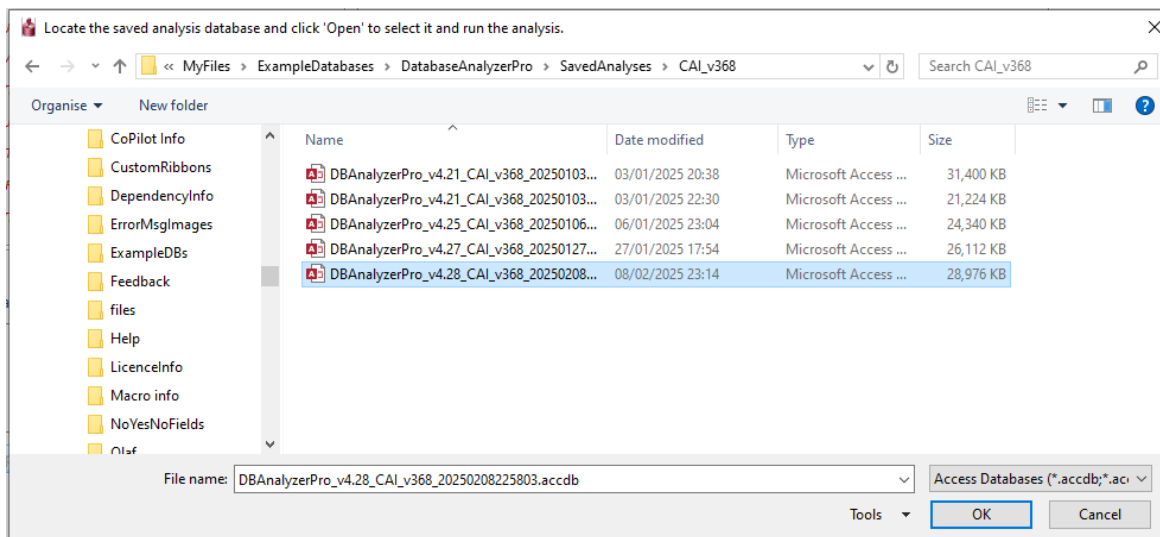
Analysis : Required Items These items cannot be removed
Database Summary ☒ Summary of database objects & selected properties
Object Info ☒ Detailed list of database objects & properties

Analysis Options:
 Select All Options | Deselect All Options

Object metadata ☒ Date created, date last modified & object description
Object properties ☒ Full list of properties & values for each object
Object sizes ☒ Estimated size in kilobytes for each database object
Table info ☒ Full details of all local, linked and system tables
Field info ☒ Field details only available when Table info is selected
Subdatasheets ☐ Subdatasheet info only available when Table info is selected
Relationships ☐ View relationship data and diagram
Query Info ☒ View query design, SQL and data
Form Info ☒ Form controls, properties & events. N/A for ACCDE/MDE files
Report Info ☒ Report controls, properties & events. N/A for ACCDE/MDE files
Macro Info ☒ View macro names and actions
Module Info ☒ Module info & code. Not available for ACCDE/MDE files
API Declarations ☒ Not available for ACCDE/MDE/ACCDDR files
Form & Report Code ☒ Not available for ACCDE/MDE/ACCDDR files
References ☒ Not available for ACCDDR files
Dependency Info ☒ May take a long time for large databases with many objects
Custom Ribbons ☐ Not available for MDB/MDE files
Shared Resources ☒ Access theme and shared images
Import / Export Info ☐ Saved IMEX specifications & Data Tasks
CommandBars ☐ Built-in and custom command bars
Add-Ins ☒ Applies to workstation - not just the selected database
Database Properties ☒ View properties for the database file
Database Issues ☒ Summary of issues needing attention

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07 | Mendip Data Systems 2005 - 2025

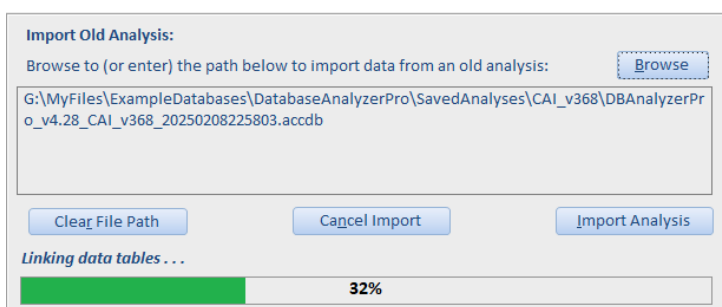
Browse to a backup file in the **SavedAnalyses** subfolder and click **OK** to start the import



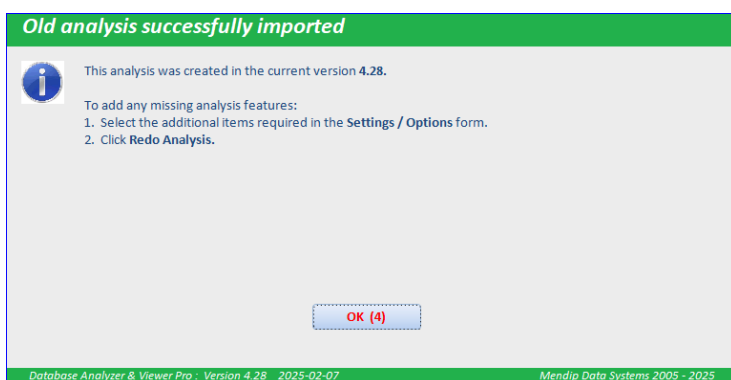
The analyzer checks this is a valid backup file and that the analyzed database is still located at the specified location. Once all checks have completed the import process starts

All form headers and footers now change to **GREEN** to denote import in progress

The import process should take no more than a minute to complete no matter how large the database file:



Once the import has been completed, further information is shown:



The main form now opens with all details from the imported analysis:

Database Analyzer & Viewer Pro - Imported Data

Use this utility to analyze each of the tables, fields, relationships, queries, forms, reports, macros, modules, metadata, properties, references, dependencies (and more) in any Access database without opening it directly. Click the Browse button to select a database and view all objects and other database properties. For encrypted databases, you will be prompted to enter the password.

File Path: G:\MyFiles\ExampleDatabases\ControlApplicationInterface\CAI_v368.accdb

File Name: CAI_v368.accdb File Size (kB): 4768 Password Encrypted?: No VBA Password?: No

Table Type Options:
Local Tables: ☒
Linked Tables: ☒
System Tables: ☒

Object Size Options:
Include All Objects:
Exclude All Objects:
Get Object Sizes:

Analysis Print Options:
Full Analysis: ☐
Database Summary: ☐
Object Info: ☐
Metadata: ☐
Object Properties: ☐
Table Info: ☐
Field Info: ☐
Relationships: ☐
Query Info: ☐
Form Info: ☐
Report Info: ☐
Macro Info: ☐
Module Info: ☐
API Declarations: ☐
Form & Report Code: ☐
Dependencies: ☐
References: ☐
Shared Resources: ☐
Add-Ins: ☐
Database Properties: ☐
Database Issues: ☐

Database Summary: N/A = not available due to analysis option settings. Click the View buttons to go directly to that item (where available).

ID	Item Name	Item Value	More Info	View
1	File Name	CAI_v368.accdb		
2	Folder Path	G:\MyFiles\ExampleDatabases\ControlApplicationInterface\		
3	File Size	4768	Kilobytes (KB)	
4	App Title	Control Application Interface		
5	App Icon	None		
6	VBA Project Name	ControlApplicationInterface		
7	Password Encrypted File	No		
8	VBA Password	No		
9	Is Compiled	No	Check database for compile errors	
10	Is Trusted	Yes	Trusted Location	
11	Startup Form	frmSplash		
12	Default Ribbon	None		
13	Split DB	No		
14	Local Tables	3	Excluding system tables	
15	Linked Tables	0		
16	System Tables	16		
17	Fields	135		
18	Queries	1		
19	Forms	13	Includes a startup form	
20	Reports	1		
21	Macros	2		
22	Modules	14		
23	Pages	0	Not supported in A2010 or later	
24	Relationships	2		
25	Subdatasheets	0	Enable Subdatasheets in Analysis Options for details	
26	Total Procedures	179	Forms, reports and modules combined	
27	Total Code Lines	2947	Forms, reports and modules combined	
28	API Declarations	32		

Records: 1 of 40

View Analysis:
Database Summary
Object Info
Object Summary
Metadata
Object Properties
Table Info
Field Info
Relationships
Query Info
Form Info
Report Info
Macro Info
Module Info
API Declarations
Form & Report Code
Dependencies
References
Shared Resources
Add-Ins
Database Properties
Database Issues
Analysis Messages

Date Completed: 2025-02-08 23:28:55
Time Taken: 4 sec
Save for future use?
Save Analysis
Create Backup

Database Analyzer & Viewer Pro: Version 4.28 2025-02-07 Autosaved Messages: 0 Analysis Errors: 0 For details, click Analysis Messages in the View Analysis list on the right Mendip Data Systems 2005 - 2025

Use the **Settings / Options** form to select any additional analysis options required (see [section 7](#))
Then click **Redo Analysis**.

The existing analysis information will be supplemented with data for any additional items selected

Repeat last analysis?

If you continue, this will repeat/replace the previous analysis.

Are you SURE you want to do this now?

Click YES to keep the existing analysis data and just run additional items selected
Click NO to clear the last analysis and start again
Click CANCEL to continue with the current analysis

Yes (5) No Cancel

Database Analyzer & Viewer Pro: Version 4.28 2025-02-07 Mendip Data Systems 2005 - 2025

Form headers & footers will return to the default blue colour to denote a current analysis is in use.

7. Application Settings & Analysis Options

This form is used to set various program settings and determine which type of analysis are done.

Application Settings & Analysis Options License Info Close

Use this form to manage various application and analysis settings. Also to import data from an old saved analysis.

Application Settings:

Enable All Application Settings Disable All Application Settings

Show Splash Screen at Start ☐ Cannot be removed in the evaluation version

Show Welcome Screen at Start ☐ Cannot be removed in the evaluation version

Show Application Tips at Start ☐ Tick to show application tips at startup

Display Tips in Random Order ☒ Untick to show application tips in order

Maximize Main Forms On Load ☒ Use if you have issues with form resizing

Show Info Message On Browse ☐ Tick to show message when browsing to a file

Show Compact DB Message At End ☐ Tick to show message if file needs compacting

Show External Query Design Message ☐ Viewing query design opens analyzed app

Show External Relationships Message ☐ Viewing Relationships window opens analyzed app

Show Customer Support EMail Message ☐ Use if you have issues with form resizing

Show External Ribbon Message ☐ Viewing external ribbon opens analyzed app

Show VBA Code in Colour ☒ Tick to show colour formatting in VBA code

Exclude Built-In Command Bars ☐ Untick to show built-in & custom command bars

Automatically create TOC in full report ☐ Tick for automate TOC; untick to decide manually

Show TOC warning before repeat analysis ☒ Repeat analysis removes TOC page data

Exclude system tables from DB Issues ☐ Tick to exclude; untick to include system tables

Import Old Analysis:

Browse to (or enter) the path below to import data from an old analysis: Browse

Clear File Path Cancel Import Import Analysis

Analysis Options:

Select All Options Deselect All Options

Analysis : Required Items These items cannot be removed

Database Summary ☒ Summary of database objects & selected properties

Object Info ☒ Detailed list of database objects & properties

Object metadata ☒ Date created, date last modified & object description

Object properties ☒ Full list of properties & values for each object

Object Sizes ☒ Estimated size in kilobytes for each database object

Table Info ☒ Full details of all local, linked and system tables

Field Info ☒ Field details only available when Table info is selected

SubDatasheets ☒ Subdatasheet info only available when Table info is selected

Relationships ☒ View relationship data and diagram

Query Info ☒ View query design, SQL and data

Form Info ☒ Form controls, properties & events. N/A for ACCDE/MDE files

Report Info ☒ Report controls, properties & events. N/A for ACCDE/MDE files

Macro Info ☒ View macro names and actions

Module Info ☒ Module info & code. Not available for ACCDE/MDE files

API Declarations ☒ Not available for ACCDE/MDE/ACCDR files

Form & Report Code ☒ Not available for ACCDE/MDE/ACCDR files

References ☒ Not available for ACCDR files

Dependency Info ☒ May take a long time for large databases with many objects

Custom Ribbons ☒ Not available for MDB/MDE files

Shared Resources ☒ Access theme and shared images

Import / Export Info ☒ Saved IMEX specifications & Data Tasks

CommandBars ☒ Built-in and custom command bars

Add-Ins ☒ Applies to workstation - not just the selected database

Database Properties ☒ View properties for the database file

Database Issues ☒ Summary of issues needing attention

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When the app is first used, all the application settings on the left are checked. This will cause a number of alert messages to appear whilst the analyzer is in use.

After using the app a few times, you will probably want to disable several of these items as shown above.

In contrast, all analysis options will initially be unchecked limiting the types of analysis done to just the database summary and object info. Ticking additional items will provide more detail but the analysis will take longer.

For maximum benefit, tick all analysis options. However for large databases, the analysis will take some time to complete

If you repeat an analysis with extra analysis options added, you can reduce the time needed by choosing to keep the existing analysis (default option).

Repeat last analysis?

If you continue, this will repeat/replace the previous analysis.

Are you SURE you want to do this now?

Click YES to keep the existing analysis data and just run additional items selected

Click NO to clear the last analysis and start again

Click CANCEL to continue with the current analysis

Yes (6) No Cancel

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07 Mendip Data Systems 2005 - 2025

If preferred, you can clear the existing analysis and start again.

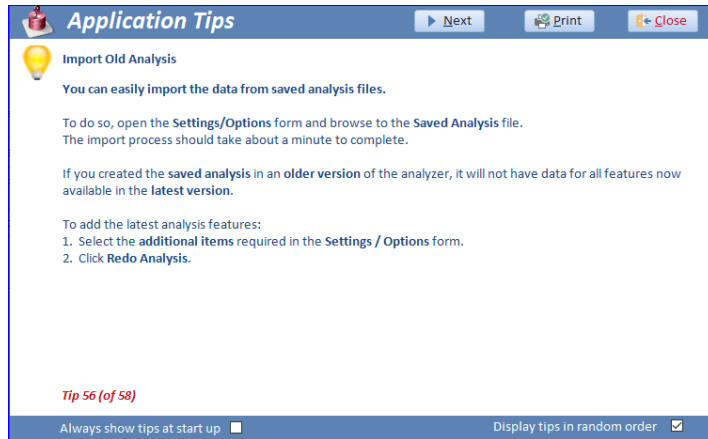
8. Other Features

Several other features are available from the header section of the main form:



8.1 Application Tips

The **Tips** button in the form header provides over 55 tips about different features of this application. The tips can be viewed at startup (optional) and in a random order or sequentially.



8.2 Automatic Form Resizing



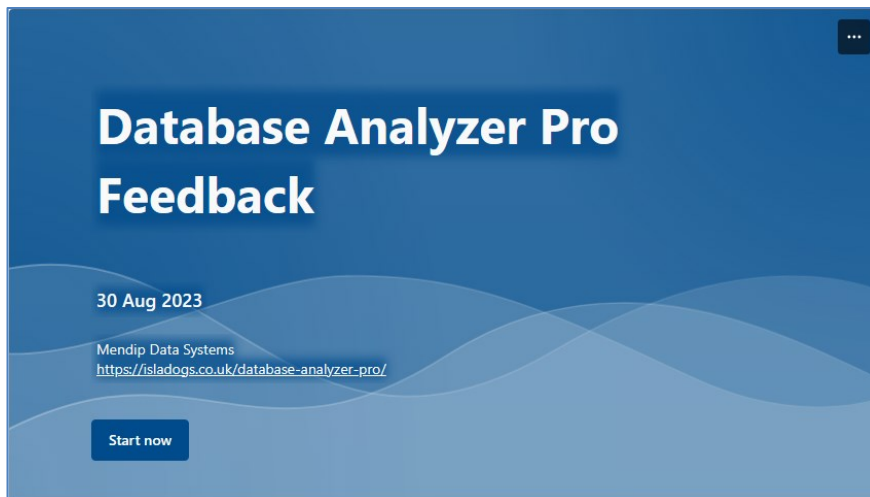
This is useful if you move the application to a monitor which has a different size or resolution. Click the application logo on the top left of the header in many forms. The form will then be resized to make the best use of the available screen space.

8.3 Help

Opens this **Help** file

8.4 Feedback

Click the **Feedback** button to open an [online feedback form](https://isladogs.co.uk/database-analyzer-pro/).



Use this to let me know how the application worked for you, whether you have any feature requests for future versions or if you have any questions.

9. Purchase

The application is mainly aimed at **Access developers** wishing to analyze their own or client applications.

The first release (3.67) of the **Database Analyzer Pro (DAP)** application was in **September 2023**. It was demonstrated to the online [Access Europe User Group](#) meeting on **6 Sept 2023**.

The latest update (**4.29**) contains many new features and other improvements partly based on user feedback.

Anyone who purchased the original version will be able to upgrade to the latest version at a reduced price.

The application is supplied as a **32-bit** or **64-bit ACCDE** file.

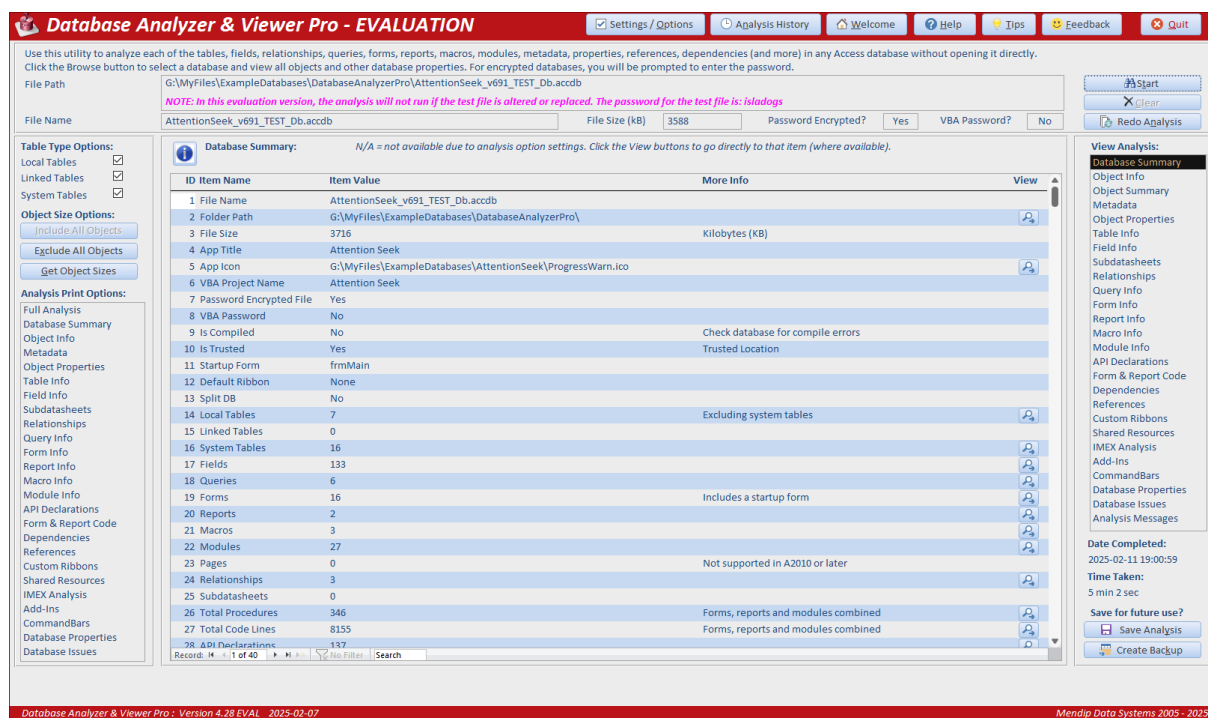
This **help guide**, several **training videos** and **90 days email support** are included with the application.

The license will entitle purchasers to install the application on **2 computers (business or personal)**. **Additional licenses** can also be purchased if required.

NOTE:

A **free evaluation version** is also available from my [website](#) in order to test the application features before purchase. This has been restricted to the analysis of one specific database supplied with the application.

In the evaluation version, form headers and footers are **dark red**.



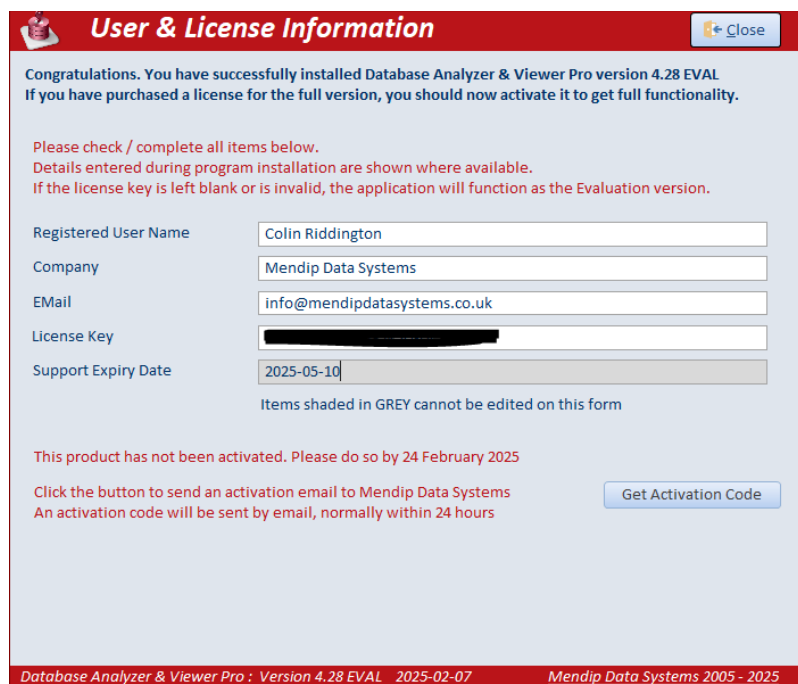
If you decide to purchase the application, the evaluation version can then be converted to the full version. For details on licenses and activation, see [section 10](#).

Importing old analyses is not available in the evaluation version.

10. License & Activation

This screen is used to enter the license key supplied on purchasing the full version. It is available from the **Welcome** screen or the **Settings / Options** form

Enter your user details and the supplied license key:



User & License Information [Close]

Congratulations. You have successfully installed Database Analyzer & Viewer Pro version 4.28 EVAL
If you have purchased a license for the full version, you should now activate it to get full functionality.

Please check / complete all items below.
Details entered during program installation are shown where available.
If the license key is left blank or is invalid, the application will function as the Evaluation version.

Registered User Name: Colin Riddington
Company: Mendip Data Systems
EMail: info@mendipdatasystems.co.uk
License Key: [REDACTED]
Support Expiry Date: 2025-05-10

Items shaded in GREY cannot be edited on this form

This product has not been activated. Please do so by 24 February 2025

Click the button to send an activation email to Mendip Data Systems
An activation code will be sent by email, normally within 24 hours

[Get Activation Code]

Database Analyzer & Viewer Pro : Version 4.28 EVAL 2025-02-07 Mendip Data Systems 2005 - 2025

After entering a valid license key, you will need to activate the product after which it will become fully functional. Click **Get Activation Code**. This will send an email to Mendip Data Systems with the information needed for us to activate your product.

An **activation code** will be sent back to the email address supplied on the form, usually within 24 hours. Return to this form and enter the activation code supplied.



User & License Information [Close]

Congratulations. You have successfully installed Database Analyzer & Viewer Pro version 4.28 EVAL
If you have purchased a license for the full version, you should now activate it to get full functionality.

Please check / complete all items below.
Details entered during program installation are shown where available.
If the license key is left blank or is invalid, the application will function as the Evaluation version.

Registered User Name: Colin Riddington
Company: Mendip Data Systems
EMail: info@mendipdatasystems.co.uk
License Key: [REDACTED]
Support Expiry Date: 2025-05-10

Items shaded in GREY cannot be edited on this form

Activation code request email sent 09/02/2025 20:04:34
An activation code will be sent by email, normally within 24 hours

Type activation code and press ENTER: []

If you have any problems, please email Program Support: info@mendipdatasystems.co.uk
Please state the version and bitness of the app you are using: A365 or A2010+ ; 32-bit or 64-bit

Database Analyzer & Viewer Pro : Version 4.28 EVAL 2025-02-07 Mendip Data Systems 2005 - 2025

If the entered activation code is correct, the application is now successfully activated.

User & License Information [Close]

Congratulations. You have successfully installed Database Analyzer & Viewer Pro version 4.28 EVAL
If you have purchased a license for the full version, you should now activate it to get full functionality.

Please check / complete all items below.
Details entered during program installation are shown where available.
If the license key is left blank or is invalid, the application will function as the Evaluation version.

Registered User Name	Colin Riddington
Company	Mendip Data Systems
EMail	info@mendipdatasystems.co.uk
License Key	[REDACTED]
Support Expiry Date	2025-05-10

Items shaded in GREY cannot be edited on this form

This product has been successfully activated. It will be fully functional when this form is closed.

Database Analyzer & Viewer Pro : Version 4.28 EVAL 2025-02-07 Mendip Data Systems 2005 - 2025

Close the form to complete the process. This may take a few seconds.
The form header / footer will change to the default **BLUE** colour.

The application is now fully functional.

Activation Completed

This application has been activated and is now fully functional.

You may install this application on up to 2 computers.
Each computer must be activated separately.

Please complete the feedback form available from the main form.

[OK]

Database Analyzer & Viewer Pro : Version 4.28 2025-02-07 Mendip Data Systems 2005 - 2025

You may install this application on 2 computers. Each computer must be activated separately.

11. Videos

Although the analyzer app has been designed to be easy to use, a series of training videos have been created to support new users of this application. These can be watched from the **Welcome** screen of the application and are also available on my [Isladogs YouTube](#) channel. Additional videos will be added in the near future.

- a) Introduction (04:30)
- b) Options & Analysis (05:53)
- c) View Analysis Results (25:27)
- d) Analysis Reports (08:00)
- e) More Options & Analysis History (09:38)
- f) Evaluation, Purchase & Activation (05:21)

12. Acknowledgements

Many thanks to various people who provided valuable assistance during the development of this application. Also to all customers who purchased the original version of the app and provided useful feedback.

Particular thanks are due to:

- a) **George Hepworth** - for testing several early versions and providing access to Azure SQL and Dataverse data
- b) **Angel Mazo** - for providing valuable feedback on language-specific issues
- c) **Crystal Long** - for allowing me to use a modified version of her [Color VBA Code](#) utility
- d) **Olaf Nohring** – for multiple suggestions which prompted me to complete this major update

Colin Riddington

Mendip Data Systems

Last Updated 12 Feb 2025