

AccessAPIScanner

From thememydatabase

Version 1.010

Introduction

The objective of the scanner is to provide the user with a count of function declarations which shows the scale of the work required to update one or more Access databases to work with 64-bit versions.

It checks against a "known" function list and if unexpected functions are found provides a simple method for forwarding details to thememydatabase for investigation.

Use

This database will check for Declare statements in a selected database or all databases contained in a chosen folder.

For a single file click "**Search for Single Database**" and a find file search dialog will open.

To process multiple files click "**Find Folder containing databases**". All files of the chosen type will be processed.

Pressing "**Process Database**" will begin the process. The screen may flash as the other Database/s forms and reports are opened. Processing a single small database should only take a few seconds, for a folder containing multiple large databases the process may take a number of minutes.

In some unusual circumstances processing may be suspended due to unexpected problems in the existing database. Click **Ignore and Continue**. Processing should continue with the next database. In the unlikely case of a total failure, make a note of the problem database then attempt to Close. If that is not possible it may be necessary to Ctrl+Alt+Delete and "End Task" for Access in the task manager.

The Scanning process compares function alias names found in Declare statements with a "known" list as used in ThemeMyDatabase win32APIviewer.

When processing is complete a message box showing the total number of "Declare" statements found and a count of "Unknown" functions If there are any.

Unknowns

If any unknown names are found then a folder with a dated and timed name will be created in the folder where the AccessAPIScanner database was opened.
e.g. "DeclarationsFound_20220215_103241"

The folder will contain a file or files prefixed "Declaresin-" containing the unknown Declares, and one or more files prefixed with "ModulesIn-" containing the modules associated with the Declarations. There may also be files prefixed with "RefsMissing" containing unknown references.

If there are any unknown Functions or references then the folder containing the results will display along with a "**View results**" button which can be clicked to open the folder so the files can be reviewed.

Share the Results.

To share information so that it can be included in a future update to the scanner and ApiViewer click "Zip and Send".

NOTE You can delete any code in the modules that is not related to the Api functions that you do not wish to share.

The email to be sent will be displayed so you can add additional information to the email before it is sent. Please leave the beginning of the Subject as "Declaresin-", any other changes are ok.

For databases already working in 64-bit running the Scanner could be helpful as many "unknowns" may have already been updated for PtrSafe and LongPtr etc. Forwarding the files to thememydatabase will allow further collation so that "unknowns" become "known" and table updates created.

There is an "Update" button that will allow updates to the tables in the Scanner and apiViewer when they become available.

The scanner is provided as an accde with versions for 32-bit and 64-bit of Access.

It is accde as it includes vbWatchdog which is able to record extensive detail about errors if they occur during processing. This will assist further development of the scanner.

(Scanning for Documents types other than Access may be included in a later release)