

## MEDILIG

Medical Life Guard : Front-end GUI for the MEDILIG Database in Microsoft Access

# Microsoft Access Front End

## Installation

By

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## Installation Overview

#### I. Objective:

Linking Microsoft SQL Server 2005 with Microsoft Access 2007 front end

#### **II. Prerequisites/Tested with:**

- 1. Installation of Microsoft Access 2007 part of the Microsoft Office 2007 suite.
- Installation of Microsoft SQL Server 2005 (see .\MEDILIG\DB\_MSQL\MEDILIG MSQL – INSTALLATION. docx)
- Optional Attachment of MEDILIG\_NEUROSURGERY database (see .\MEDILIG\DB\_MSQL\MEDILIG MSQL – INSTALLATION. docx) The following installation setup will also try to attach the database as part of the linking procedure

#### III. Steps to follow:

#### 1. Locate and run .\MEDILIG\FE\_MSAccess\MEDILIGFE\_NEUROSURGERY.accdb

Please make sure first that a copy of <u>MEDILIG\_dat.MDF</u> database is present in this folder. AUTOEXEC Macro will automatically execute StartUp Function that is located inside odbcStartUp module. The following checks and actions will be performed:

- i. Check for the existence of an MSQL linked table (dbo\_MT\_Px). When you run MEDILIGFE\_NEUROSURGERY.accdb application for the first time ODBC linked tables are not created yet.
- ii. Find Microsoft SQL Server instance and attempt to startup the server
- iii. Check if database is attached to the server; if not then execute commands to attach it
- iv. If database is attached to the server then check/create ODBC Linked Tables
- v. If there is a valid running instance of Microsoft SQL Server and the database MEDILIG\_NEUROSURGERY is attached then proceed with opening the License Form.

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If you accept the terms of the license the following screen will appear and that means you are ready to start exploring the pre-built Microsoft Access forms, catalogues and reports.



#### 2. Alternative procedure for linking ODBC tables

If everything fails at step one then try to recover by executing "MEDILIG\_NEUROSURGERY.accdb" as it is described in the following table

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MEDILIGFE_NEUROSURGERY : Database (Access 2007) - Microsoft Access 💶 🗙	Before you double click Microsoft Access
Home Create External Data Database Tools	application, press the <b>Shift</b> key and keep it pressed
All Access Objects 👻 «	until it overrides the startup procedure: see
🗐 fm_Start 📐	until it overhues the startup procedure, see
TrmAxCatalogue	autoexec macro above. You should get the window
Im fmCOxCatalogue	at the right. Locate the form " <i>frm_Start</i> " and
I frmDxCatalogue	double click. Then click the "Recreate ODBC Linked
TimHP/EditList	Tables" big button (soo diagnostic procedure
	Tables big button (see diagnostic procedure
in intervention	below). If there is a valid running instance of
	Microsoft SQL Server and the database
TmPkAdminAdmis	MEDILIG_NEUROSURGERY is attached properly you
TrmPxAdminVisits	should get the message. "ODBC Table Data Sources
Transcini 🔤	are refreshed and linked to
fmPxClinLAdmissi	are refreshed and linked to
TrmP/Clin1Admissi	MSQL Database=MEDILIG_NEUROSURGERY".
Ready and American Americ American American Am American American A	Click OK.



#### 3. Diagnostic Procedure for MEDILIGFE\_NEUROSURGERY.accdb

The following screen captures provide diagnostic messages to resolve connection and linking problems or to acknowledge information that will appear when you run **MEDILIGFE\_NEUROSURGERY.accdb** application.

Microsoft Office Access	This message will appear if ODBC linked
	tables are not created yet.
We will attempt to recreate MSQL ODBC Linked Tables	
<u>[]</u>	
Microsoft Office Access	This message will appear when a valid
MSQL Server Instance is found :MINITABLET\OFFICEONE	instance of Microsoft SQL Server is found (e.g. MINITABLET\OFFICEONE).
ОК	
Attach .mdf file to the database	This message informs the user that the
The SQL Server 2005 database -MEDILIG_NEUROSURGERY- exists.	database is already attached to Microsoft SQL Server.
ОК	
Attach .mdf file to the database	This message informs the user that the
The SQL Server 2005 database -MEDILIG_NEUROSURGERY- is attached.	database has been attached to Microsoft SQL Server.
<u> </u>	
Microsoft Office Access	This message informs the user that all the
ODBC Table Data Sources are refreshed and linked to MSQL Database=MEDILIG_NEUROSURGERY	ODBC Table Data Sources are refreshed and linked to Microsoft SQL Server Database
	(MEDILIG_NEUROSURGERY). If you see this message then you will be able to work with
OK	Microsoft Access pre-built forms, reports
	and catalogues.
Microsoft Office Access	SQL-DMO Service is not started. This will
-2147023836: [SQL-DMO]Service Control Error: Η καθορισμένη υπηρεσία δεν υπάρχει ως εγκατεστημένη υπηρεσία.	cause errors when it will try to start
ОК	Microsoft SQL Server or attach the database.
Microsoft Office Access	This error message might have been caused
[Microsoft][ODBC SQL Server Driver][DBMSLPCN]Ο διακομιστής SQL δεν υπάρχει ή δεν επιτρέπεται η πρόσβαση. [Microsoft][ODBC SQL Server Driver][DBMSLPCN]Connection@nen (Connect())	as a side-effect of the previous error.
OK	
Microsoft SQL Server Login	Message indicates that there is a problem
Connection failed:	with the connection to
<ul> <li>SQUState: UBUU4</li> <li>SQUServer Error: 4060</li> <li>Server rejected the connection: Access to selected database has been denied</li> </ul>	MEDILIG_NEUROSURGERY database.
Server rejected the connection, Access to selected database has been defiled	It is possible that database does not exist in
OK	the server.



Microsoft SQL Server Login         Image: SQL State: '01500'         SQL State: '01500'         SQL State: '01500'         SQL Server Error: 0         [Microsoft][ODBC SQL Server Driver]Invalid connection string attribute         Connection failed:         SQL State: '08004'         SQL Server Error: 4060         Server rejected the connection; Access to selected database has been denied	Message indicates that there is a problem with the connection to MEDILIG_NEUROSURGERY database. It is possible that database does not exist in the server.
SQL Server Login         Server:       ARCHANGEL\OFFICEO         Use Trusted Connection       Cancel         Login ID:       wizard         Password:       Options >>         Options       Database:         Language:       (Default)         Application Name:       2007 Microsoft Office system         WorkStation ID:       ARCHANGEL	Microsoft Access will try to recover from the failed connection to the database with the SQL Server Login window. This is very useful to check the connection but it will probably fail if MEDILIG_NEUROSURGERY database is not attached to Microsoft SQL Server. You can always determine if connection works by running SQL Server Management Studio.
Attach .mdf file to the database X Failed to copy .mdf file !!! OK	An attempt to copy the (.mdf) file that is located in the same folder as that of Microsoft Access application has failed.
SQL Server 2005 not installed!         X         This application requires SQL Server 2005 to be installed on the local computer.         OK	This message will appear if the program cannot trace a valid running instance of Microsoft SQL Server.
Microsoft Office Access         X           Failed to recreate ODBCLinkedTables.         Check if database is attached to MSQL Server Instance.           Recreate ODBC LinkedTables with the command button.         OK	This message will be displayed for two reasons; a valid running instance of Microsoft SQL Server is not found or the database is not attached to Microsoft SQL Server.
Control of Contr	This screen displays ODBC linked tables on the left side of the window. On the right side you can see the Recreate ODBC Linked Tables in case you appear to have problems with the linked tables (see previous error message).



#### IV. Optional - Create a DSN connection to the MSQL Server

You may choose to run independent of the previous step the ODBC Data Source Administrator. Click START and then RUN... Type odbcad32.exe and press OK to open the ODBC pop-up window of the administrator.

- From the Select Data Source pop-up window select File Data Source
   Select the file data source that describes the driver that you wish to connect to. You can use any file data source that refers to an ODBC driver which is installed on your machine.
- ii. Create a new data source by pressing the New.... Button. The Create New Data Source pop-up window comes up.
- iii. Select SQL Server driver, click Next... and type the name of the file data source Click Next... again
- iv. Another pop-up window appears with the title Create a New Data Source to SQL Server
- v. Select the Server you want to connect to and click Next e.g. Johny\SQLExpress In case the connection is on a remote machine, then use With SQL Server authentication using a login ID and password e.g. User : sa, Password : 123
- vi. Change the default database to MEDILIG and click Finish
- vii. Test your Data Source. You should get the message TESTS COMPLETED SUCCESSFULLY
- viii. Select the DSN you have just created MEDILIG\_Neurosurgery.DSN and click OK
- ix. Login with the user ID and password you entered above

You will be able to continue now with the update of the linked tables.