

ALTAIR

Third-party Installation Guide

Altair WRAP 2024.1

<https://support.altair.com/csm>

Contents

- 1. Download links: 3
- 2. Microsoft SQL Server Express LocalDB 4
- 3. Microsoft SQL Server Native Client..... 7
- 4. ITSHFBC 10
- 5. SQLite ODBC 15

1. Download links:

Note: You should not install these third parties separately as these should be installed by WRAP installation by default. But if WRAP could not install a third-party due to user rights etc. and gives a warning that a third-party is missing then you can download and install the missing third-party.

Third-party software can be downloaded from the following link.

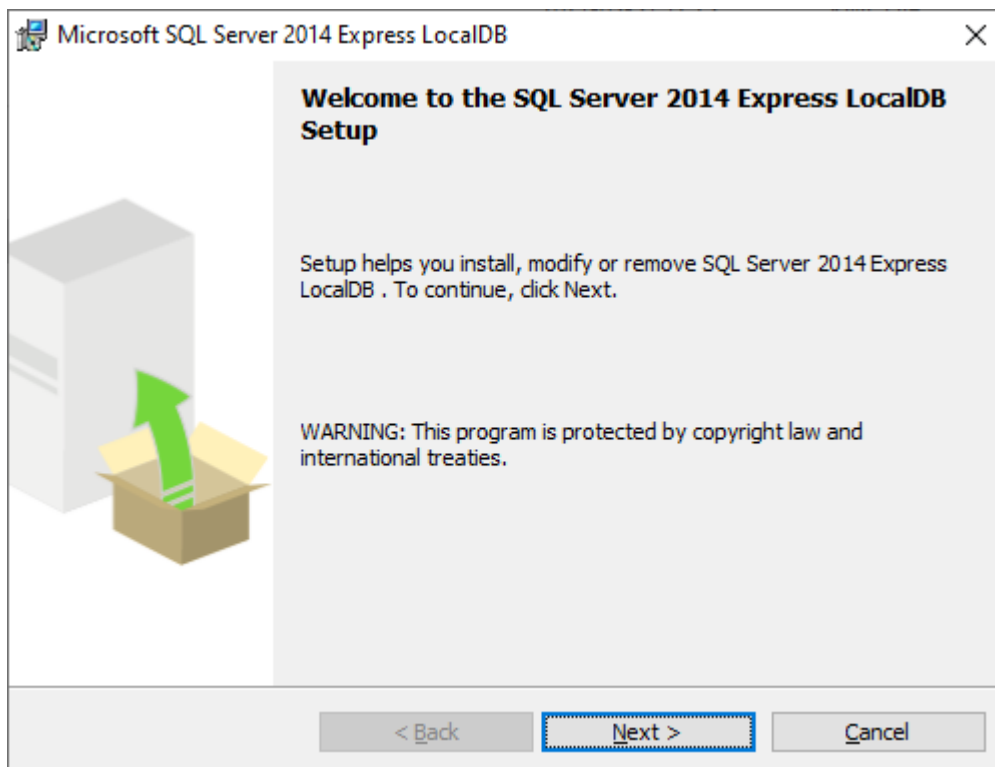
- 1- <https://securefiletransfer.altair.de/link/ybdL3HBVreBhpLXFZOcyHH>

2. Microsoft SQL Server Express LocalDB

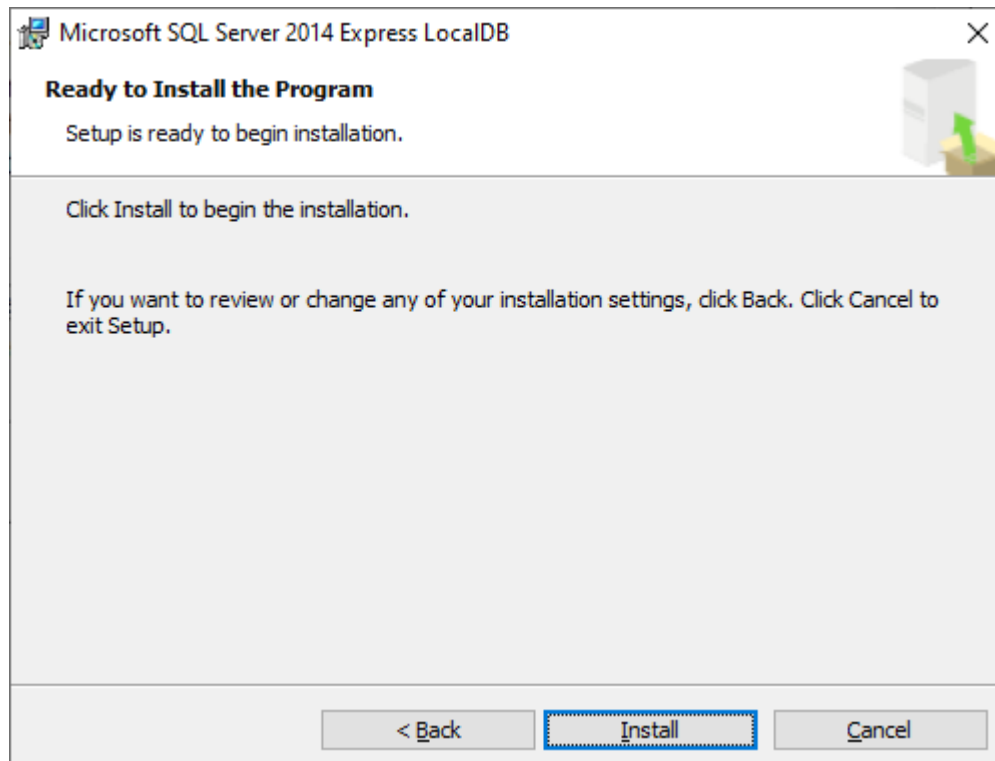
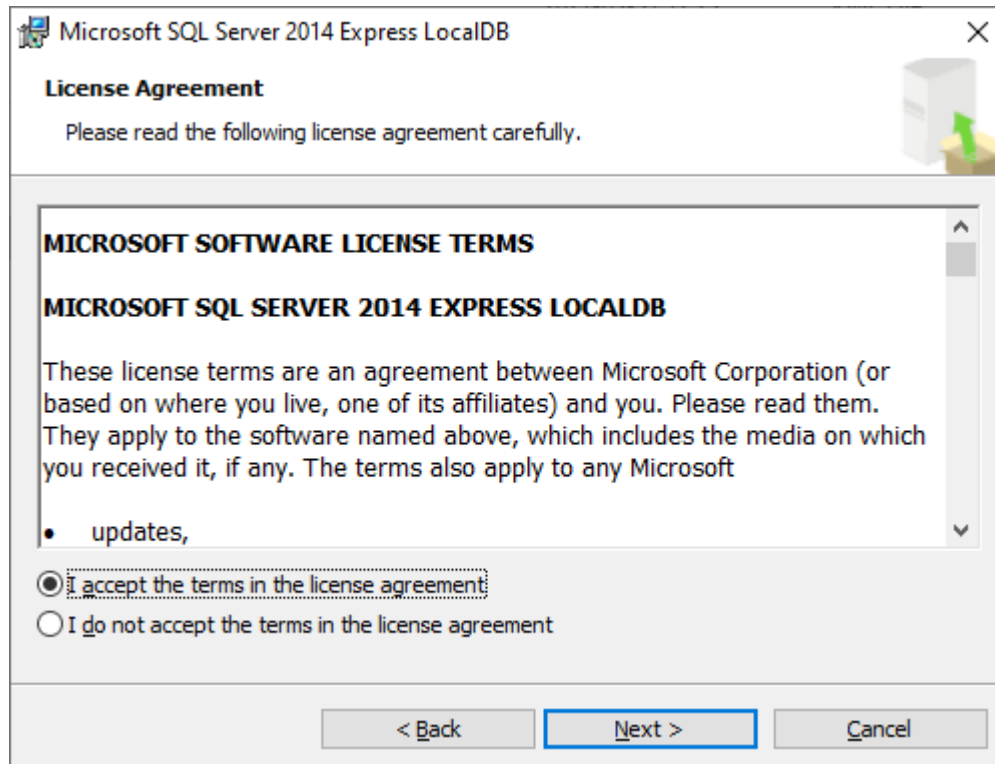
Note: WRAP installer is already installing the required third-party SQL LocalDB 2019.

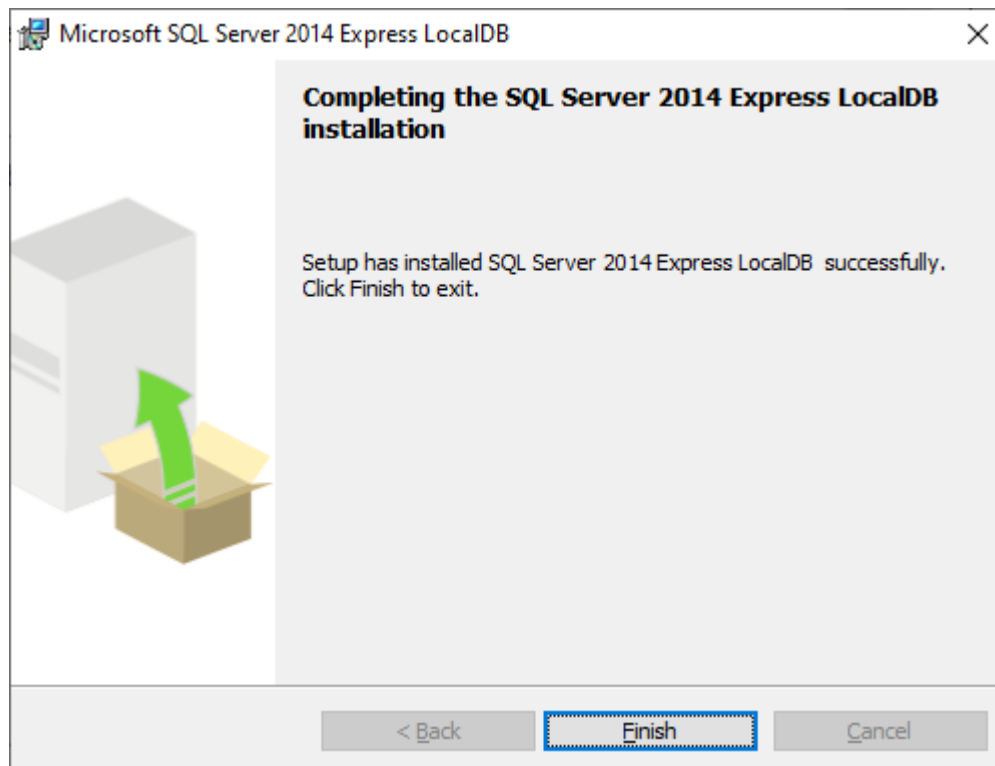
To run WRAP, the system must have Microsoft SQL Server 2014 LocalDB x64 with SP2 [SqlLocalDB.msi] (for connecting the old equipment databases) and Microsoft SQL Server 2019 LocalDB x64. The SQL LocalDB 2014 version should be at least 12.2.5000. After downloading the "SqlLocalDB.msi" from the link provided in chapter 1, follow the default steps to install the SQL LocalDB 2014 and similar for the SQL LocalDB 2019.

- i. Double click on the .msi file.
- ii. Press Next as in the following diagram.



- iii. Accept license and press Next as in the following diagram.
- iv. Press Install on the next diagram, enter credentials if it asks and then click finish as a last step.





3. Microsoft SQL Server Native Client

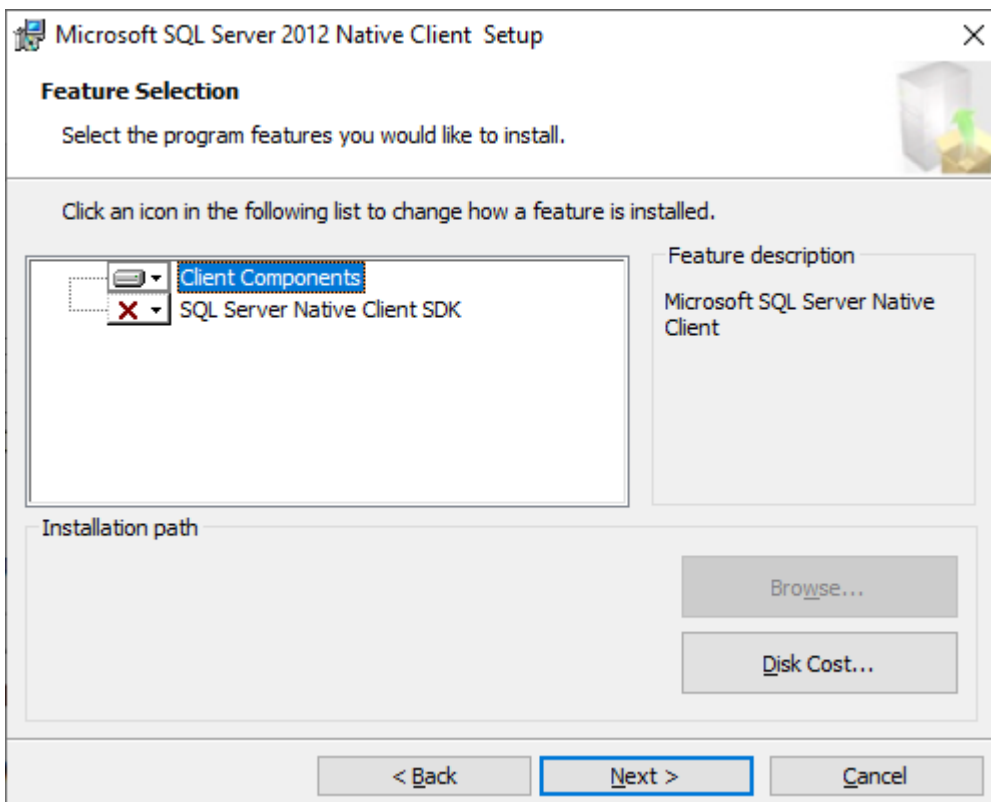
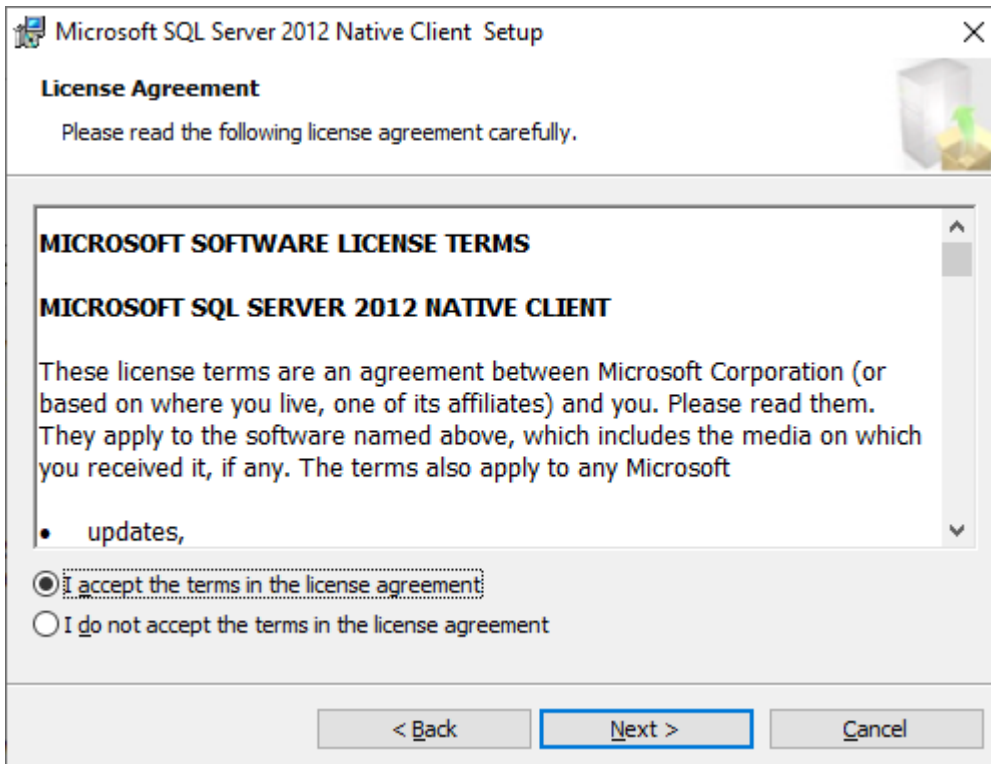
Note: WRAP installer is already installing the required third-party SQL Server Native Client.

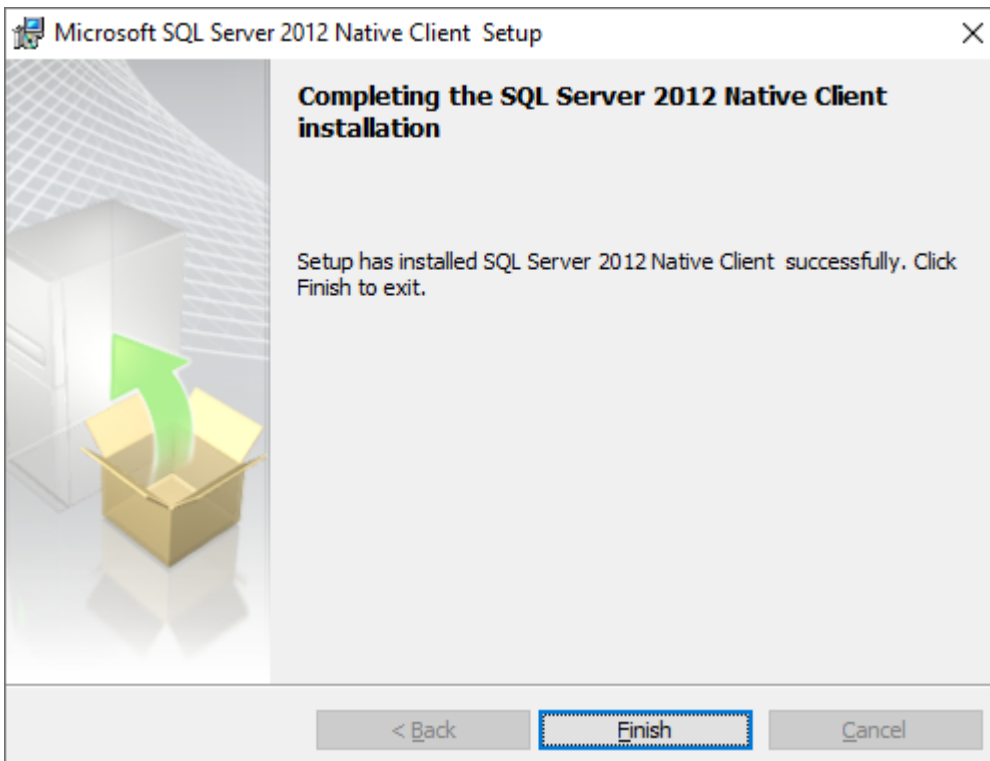
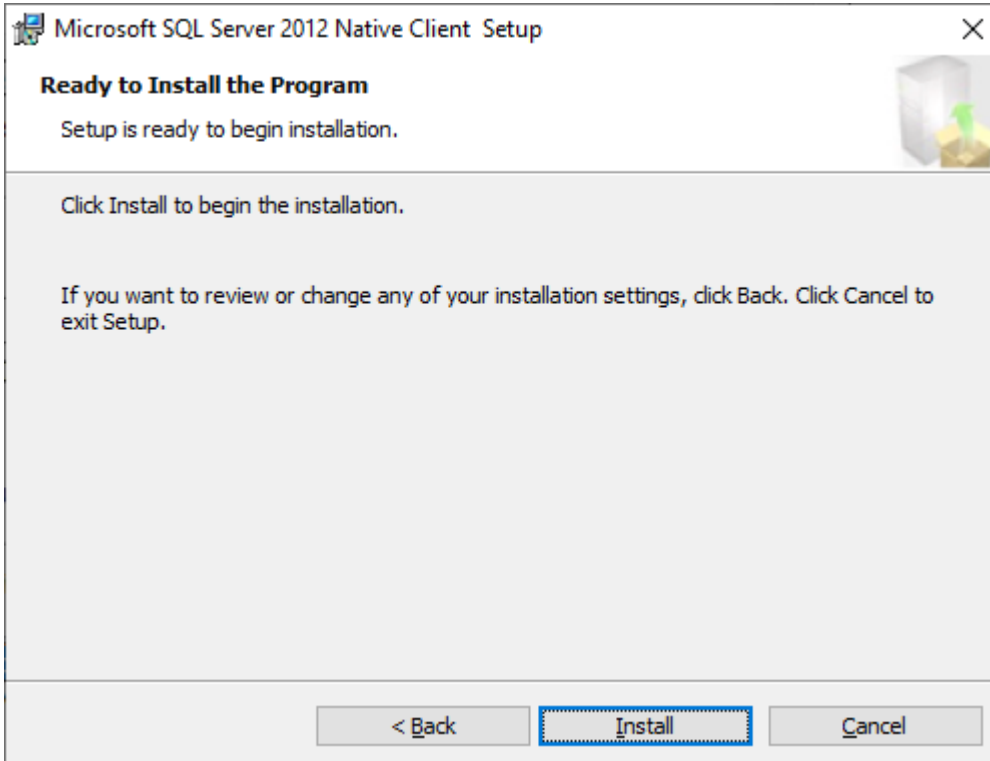
To run WRAP, the system must also have Microsoft SQL Server 2012 Native Client [sqlncli.msi]. The SQL server native client version should be at least 11.3.6020. After downloading the "sqlncli.msi" from the link provided in chapter 1, follow the default steps to install the MS SQL Server native client.

- i. Double click on the .msi file.
- ii. Press Next as in the following diagram.



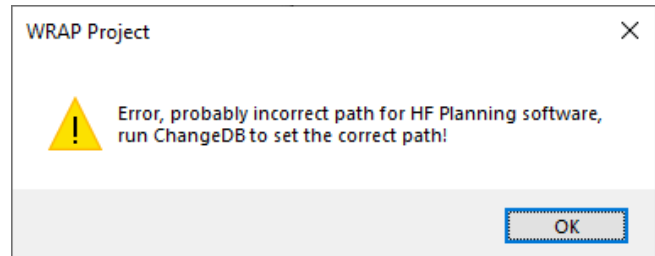
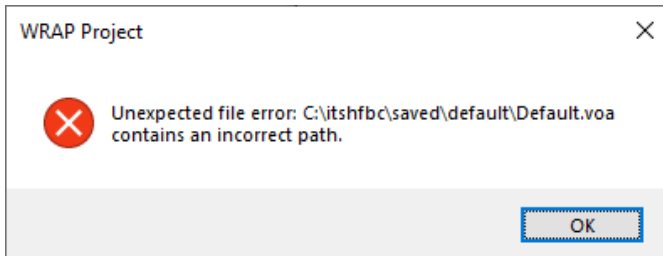
- iii. Accept license and press Next as in the following diagrams, enter credentials if it asks and then click finish as a last step.





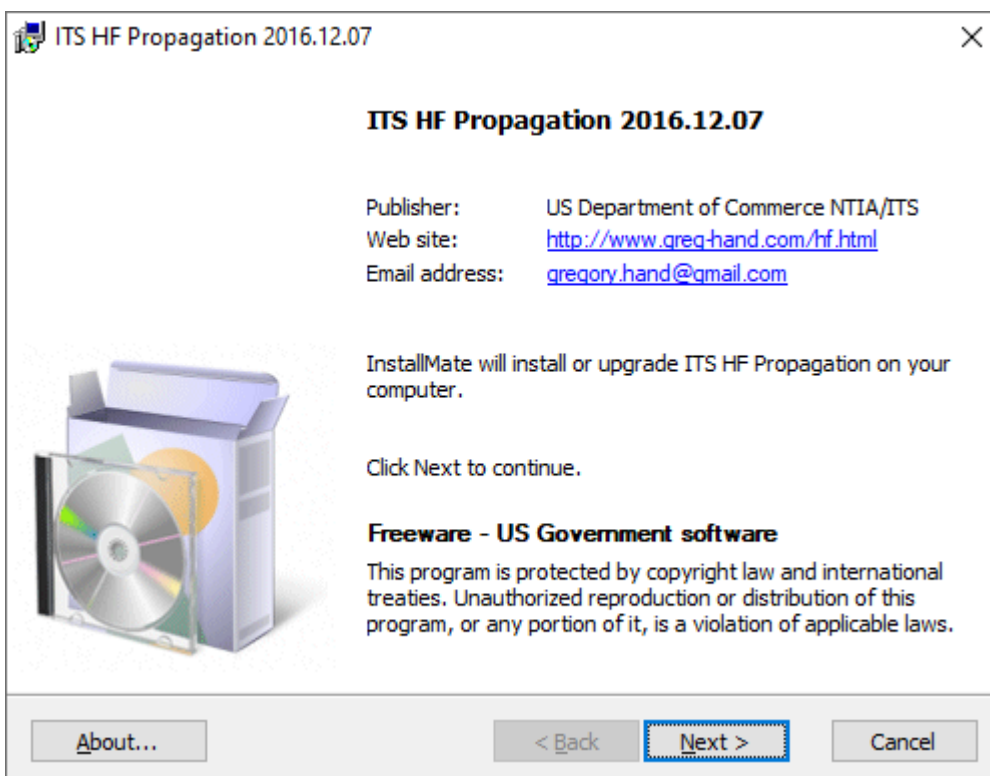
4. ITSHFBC

ITSHFBC only needs to be installed if HF functionality is to be used within WRAP. It handles propagation calculations in the 2-30 MHz band with inclusion of ionospheric reflection. If it is not installed and the user tries to start a HF calculation, then user will see an error and a warning message as follows.

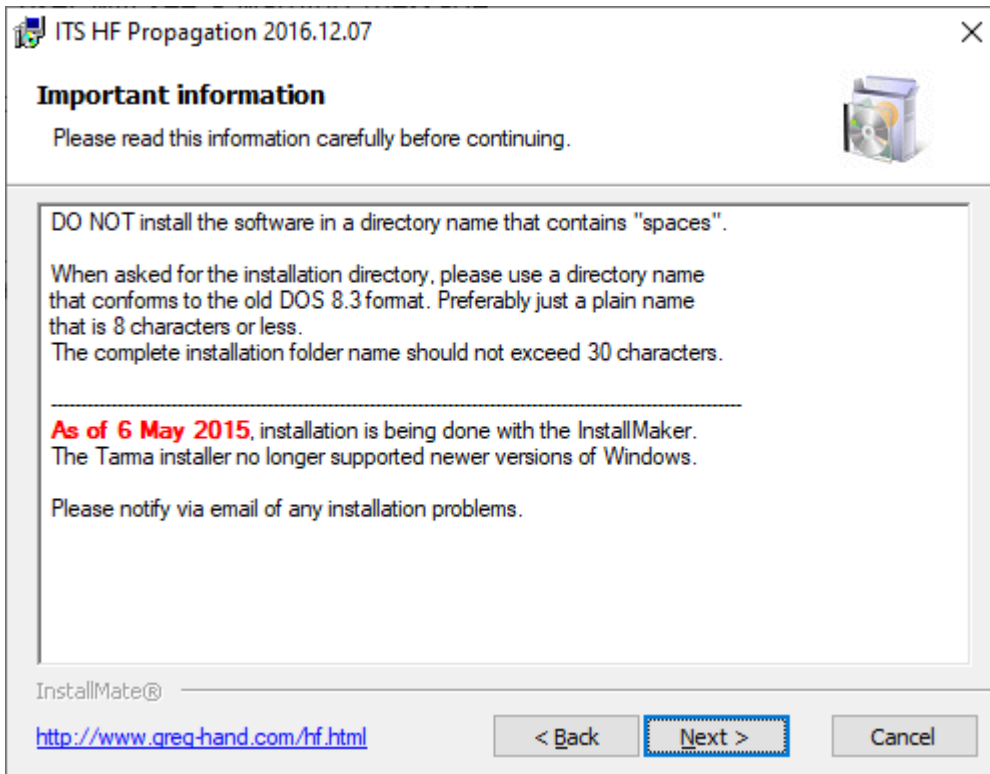


Download the "itshfbc_180417a.exe" from the link provided in chapter 1. To install the latest ITSHFBC "2016.12.07", Double click on the "itshfbc_180417a.exe" file.

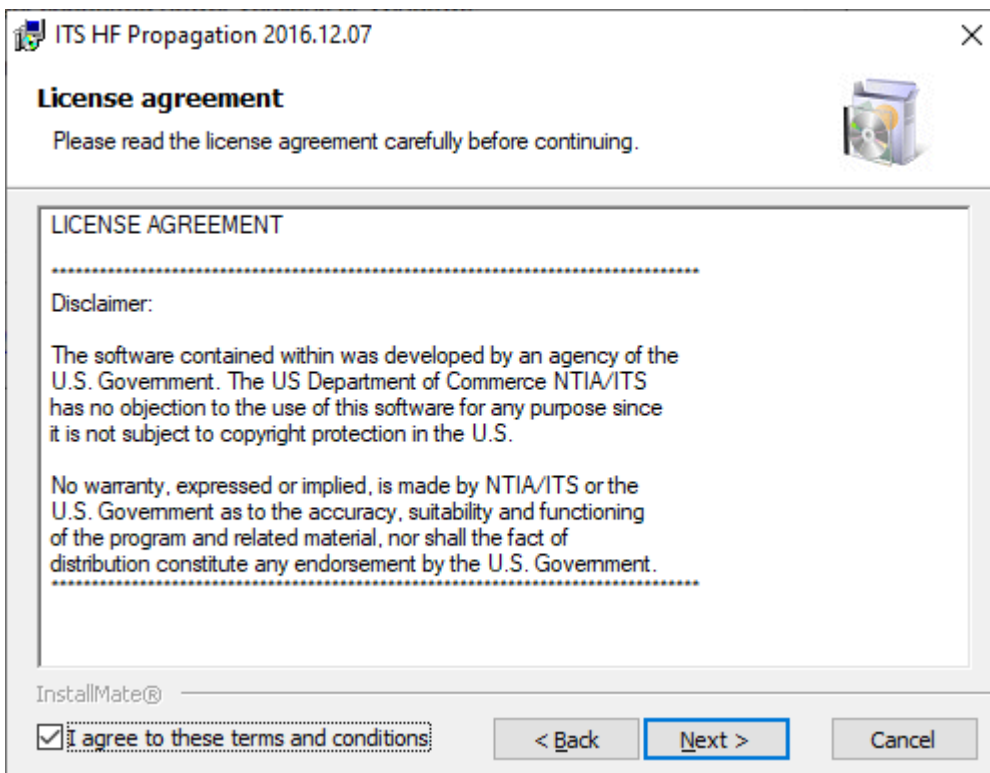
- i. Press Next as in the following diagram.



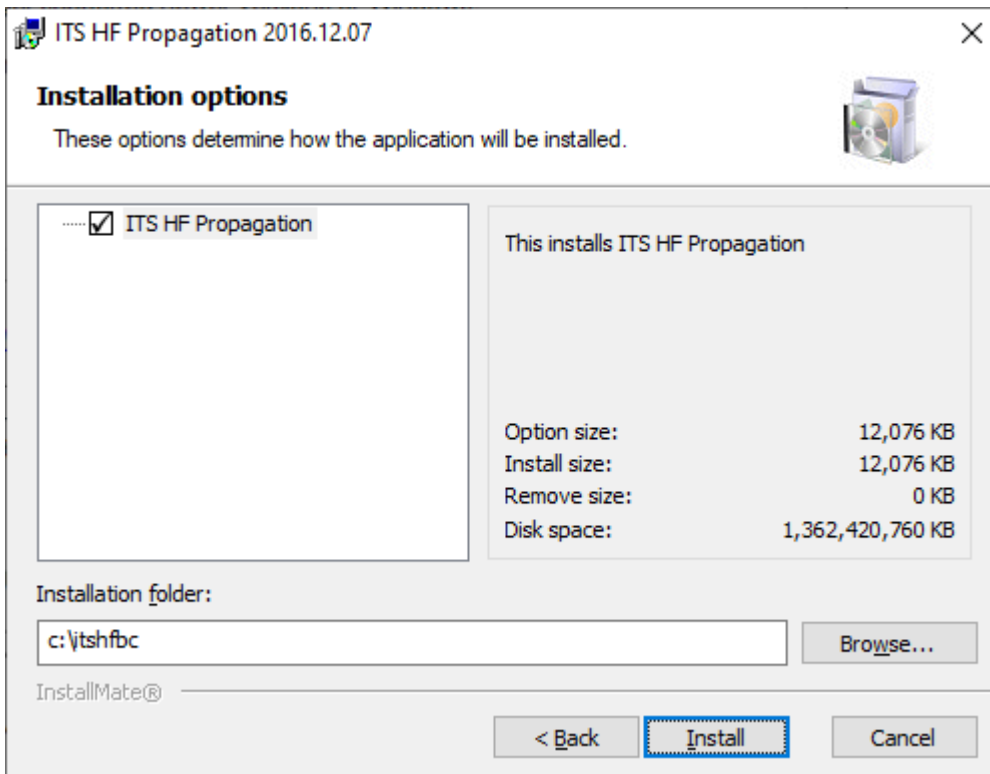
- ii. Press Next.



iii. Accept license and Press Next.



- iv. Use the default installation path but if you want to install it somewhere else then you need to set this path in WRAP ChangeDB also.



- v. Following diagram shows the same path where ITSHFBC software is installed.
- vi. Click finish and start the WRAP now to use the ITS HF.

DB Change WRAP Win settings

WRAP Win home directory
C:\ProgramData\wrap\bin Exit

WRAP databases Other databases Prop. Models **Other Paths** BRIFIC Plug-in

HF Planning base path:
C:\tshfbc ...


Coverage results path:
...

Symbols path:
...

ITS HF Propagation 2016.12.07

Installation completed

ITS HF Propagation has been successfully installed on your computer.



Click Finish to close InstallMate.

< Back **Finish** Cancel

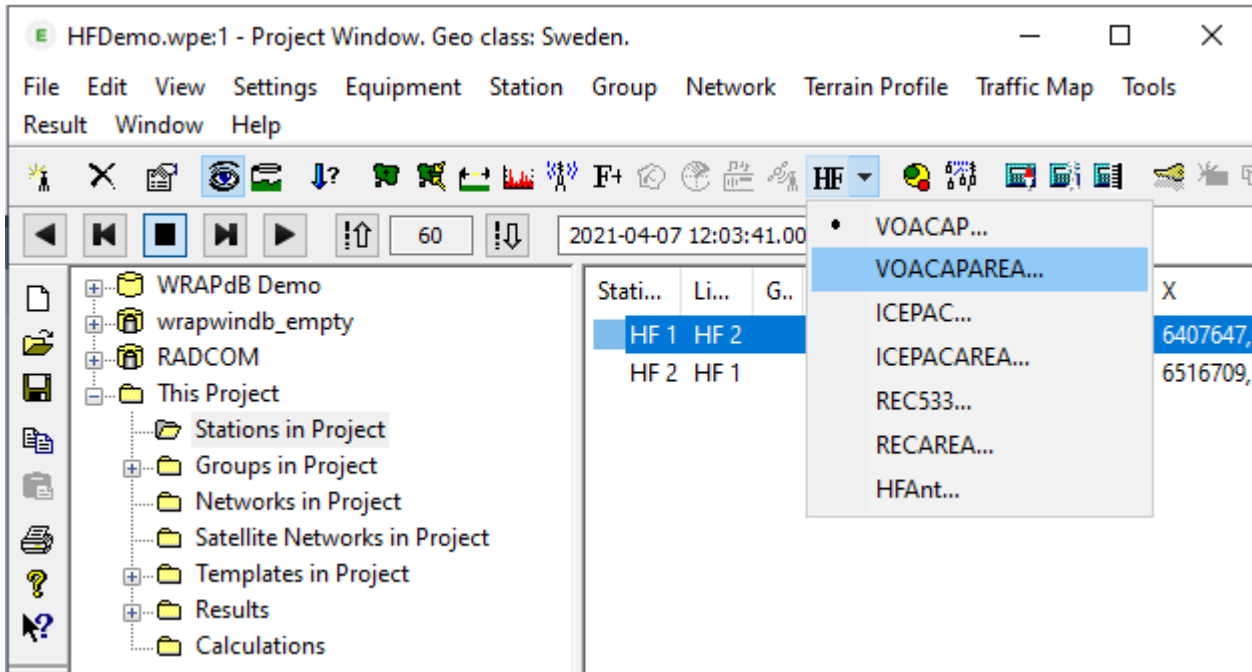
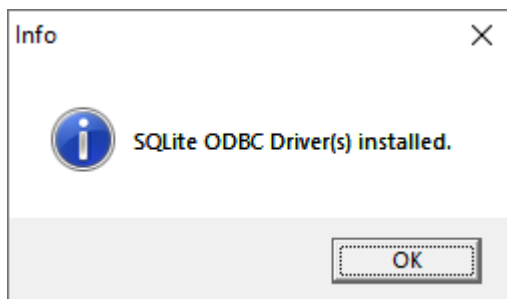


Figure 4:1: HF in WRAP

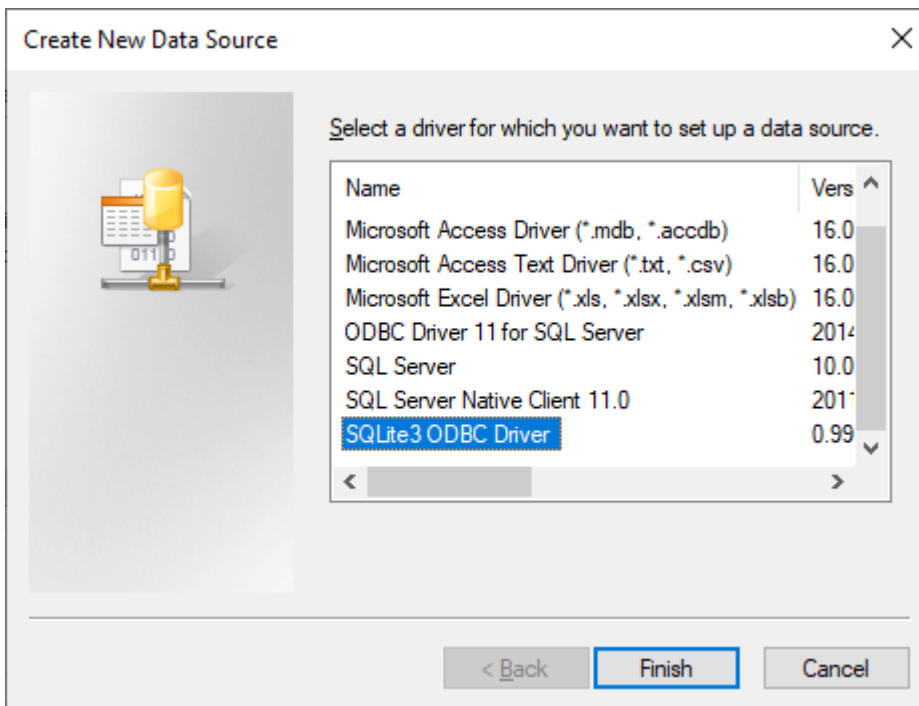
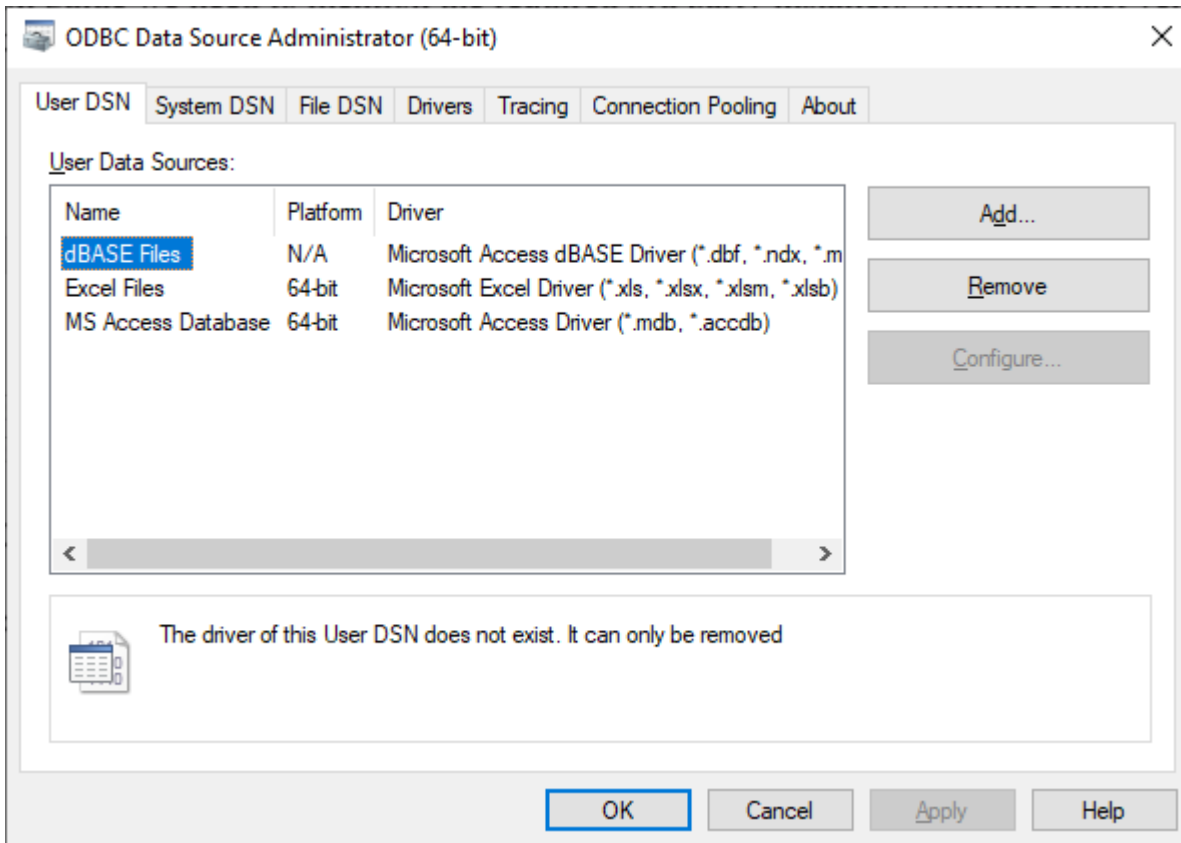
5. SQLite ODBC

SQLite is required if BRIFIC transfer within WRAP ChangeDB is to be performed. WRAP uses SQLite ODBC Driver x64 [SQLite version 3.15.2]. Download the folder "SQLite ODBC Driver for Win64" from the link provided in chapter 1 and follow the steps.

- i. Copy the folder under "C:\Program Files\SQLite ODBC Driver for Win64"
- ii. Navigate through the folder "SQLite ODBC Driver for Win64"
- iii. Double click on the "inst.exe file" and press OK.



- iv. SQLite3 should be available now in the ODBC 64 data sources as in the following diagram.



- v. One can uninstall using the file "Uninstall.exe" in the same folder.