



Datasources for OrCAD Capture CIS 17.x (64-bit)

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Prior to the 17.2 release, Cadence OrCAD Capture CIS was a 32-bit application and used 32-bit ODBC connections to databases to provide part properties to designs. Many users took advantage of Microsoft provided ODBC drivers for 32-bit Office applications like Excel, for local use and testing, and Access for sharing amongst a small group of users. Now that Cadence OrCAD Capture CIS is a 64-bit application, 64-bit datasources are required. Below are a few of the options available.

Important, Check this first!

Microsoft have imposed some restrictions on mixing the architecture of installed Access components and you may not be able to install 64-bit Access drivers with a 32-bit Office installation in all cases, upgrading to a 64-bit Access / Office version may be required. Also see this link: <https://docs.microsoft.com/en-us/office/troubleshoot/access/cannot-use-odbc-or-oledb> on which ODBC drivers are required for different versions of Microsoft Office, especially for installations using the Click To Run (C2R) versions of Microsoft Office 365. If you do install the Access 2013 components, as a result of following the requirements of the Microsoft resource, note that the File Association for Access files will change from the Office 365 version to the Access 2013 version, since that was installed last, use File Properties to restore using Access from Office 365 as the default.

Use a 64-bit Microsoft Office Access data source connected to a 32-bit Microsoft Office Access Database

Go to: www.microsoft.com/en-us/download/details.aspx?id=13255 and download the following executable: - AccessDatabaseEngine_64.exe. Since this is an external link, a search at Microsoft.com for “access 64bit driver” should retrieve a result of “Download Microsoft Access Database Engine 2010” which should be reliable if the link detail changes.

Run the downloaded exe from a DOS command prompt with the /passive switch. This 64-bit Microsoft Access ODBC driver can look in an Access database made with 32-bit Access. Without the “/passive” switch, you will likely get messages about “not having 64-bit Microsoft Office installed” and needing to “remove any existing Office installation” to proceed.

```
Directory of D:\Downloads
16/12/2019  14:29    <DIR>          .
16/12/2019  14:29    <DIR>          ..
10/12/2019  12:51           28,631,968 AccessDatabaseEngine_X64.exe
21/10/2019  08:29           4,836,021 gerbv-win-static_20160713.zip
30/05/2019  14:34           4,229,406 PadEscClineWidth_1_1.exe
            3 File(s)      37,697,395 bytes
            2 Dir(s)   866,410,274,816 bytes free

D:\Downloads>AccessDatabaseEngine_X64.exe /passive
```

Use a 64-bit Microsoft Office Excel data source connected to a 32-bit Microsoft Office Excel Database

Go to: www.microsoft.com/en-us/download/details.aspx?id=13255 and download the following executable: - AccessDatabaseEngine_64.exe. Since this is an external link, a search at Microsoft.com for “access 64bit driver” should retrieve a result of “Download Microsoft Access Database Engine 2010” which should be reliable if the link detail changes. **Although this driver says Access it also supports Excel.**

Run the downloaded exe from a DOS command prompt with the /passive switch. This 64-bit Microsoft Access ODBC driver can look in an Access database made with 32-bit Access. Without the “/passive” switch, you will likely get messages about “not having 64-bit Microsoft Office installed” and needing to “remove any existing Office installation” to proceed.

```
Directory of D:\Downloads
16/12/2019  14:29    <DIR>          .
16/12/2019  14:29    <DIR>          ..
10/12/2019  12:51           28,631,968 AccessDatabaseEngine_X64.exe
21/10/2019  08:29           4,836,021 gerbv-win-static_20160713.zip
30/05/2019  14:34           4,229,406 PadEscClineWidth_1_1.exe
            3 File(s)      37,697,395 bytes
            2 Dir(s)   866,410,274,816 bytes free

D:\Downloads>AccessDatabaseEngine_X64.exe /passive
```

Convert 32-bit Microsoft Office data to 64-bit Microsoft Office data

Again, only Microsoft Access is supported as a 64-bit Microsoft Office datasource, a 64-bit version of Microsoft Access will be required to convert and maintain the data. If the 64-bit ODBC driver is not included in the Microsoft Office 64-bit installation, search microsoft.com, as above, to locate the required driver.

Convert 32-bit Microsoft Office data to an SQL based database

SQLite

Supports 32 and 64 bit applications, good for local use and testing, possibly not suitable for multi-user installations, see sqlite.org for all the information on SQLite capabilities.

Microsoft SQL Server

Supports 32 and 64 bit applications, see the Microsoft resources for more details on Microsoft SQL Server Editions, the Express Edition is a free download with few restrictions, other Editions offer more capabilities for Workgroups, Clustering and so on. Microsoft provide the ODBC drivers for Microsoft SQL Server. There is also a migration tool available for Microsoft Access to Microsoft SQL Server Editions.

See this Note: https://www.parallel-systems.co.uk/wp-content/uploads/2020/11/Migrating_AccessDB_SQLServerDB.pdf for more details.

MySQL Server

Supports 32 and 64 bit applications, see dev.mysql.com for more details. The Community Server is a free download. In addition to the Server download, the ODBC drivers will be required for any client machines. MySQL

supports a variety of “neutral”, text, formats for importing, any Microsoft Office data would need to be exported to the required format.

Other SQL based databases with ODBC connections could also be used.

Migrate to Cadence OrCAD Component Information Portal

Supports 32 and 64 bit applications through an underlying Microsoft SQL Server database, the Express Edition can be used. Imports available for existing data. Connects to Distributor part data for creating and updating parts with distributor provided information, see this link: <http://parallel-systems.co.uk/orcadcip/> for more details.

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