CathCAD® Installation Guide

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I.   Introduction

Welcome to the **CathCAD®** Software Installation Guide. This manual will provide you basic instructions on how to install the CathCAD® Software system. This document assumes that the CathCAD® Software will be loaded on a Windows XP, 7, 8, or 10 platform.

This installation guide applies to CathCAD® Standard, CathCAD® Advanced, and ML CathCAD®. For the purpose of this document, these software variants are referred to as simply CathCAD®.
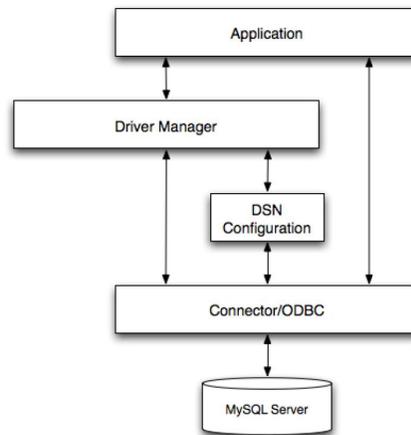
II.   CathCAD® System Requirements

If you want to run CathCAD® on your Personal Computer on a Windows 7, 8, or 10 environment, the following summarizes the basic computer requirements:

- 1 GHz or faster 32 bit (x86) or 64 bit (x64) Microprocessor

- 1 GB RAM (32 bit) or 2 GB RAM (64 bit)

- The program and device drivers physically require less than 10 MB of Hard drive space. That being said -- normal running of the Windows 7/8/10 Operating System requires 1 GB minimum Hard drive space available (32 bit and 64 bit)

- Internet Access including the requirement that **Port 3306** be open on the Internet gateway

- Installation of the MySQL ODBC Driver Version 5.X 32 Bit Version

- The User running the software must have READ/WRITE access to the directory that the CathCAD® software is installed. The software creates (and deletes them when the program is exited) temp files

- In order to utilize the software's export utility, the User must have Excel 2003 or later installed. There is no special installation of the CathCAD® software to have this functionality enabled. If Excel is not on the system when the EXPORT function is attempted -- the software will gracefully recover and disable the function.

III. Install the ODBC Driver

The ODBC Driver works as a standard gateway for applications to communicate with Database Servers. The Databases for CathCAD® are located on a MySQL server connected to the Internet. This section provides the necessary instructions for installing the ODBC Driver. This driver only needs to be installed ONE TIME per computer.

Obtaining the ODBC Driver

If you are running Windows 7/8/10 – you must install MySQL ODBC Connector, 32 bit version, **not the 64 bit version**. This is true EVEN if you are running the 64 bit version of the Windows 7/8 operating systems. CathCAD® was compiled using a 32 bit compiler so the use of the 32 bit MySQL ODBC driver is mandatory. The ODBC driver is available from the CathCAD® Installation CD. This driver my be obtained from the following link as well:

http://dev.mysql.com/downloads/connector/odbc/5.1.html

Installing the ODBC Connector for MySQL

The easiest way to install the MySQL ODBC Drivers on Windows is to use the MSI package. This procedure for downloading and installing is as follows:

1. Download the applicable driver using the links provided in this document
   a. Select Microsoft Windows as the platform
   b. Select Windows(x86, 32-bit) as the MSI Installer Connection-
2. Click Download
3. Click "No thanks, just take me to the downloads!" when the MySQL website ask you to register an account
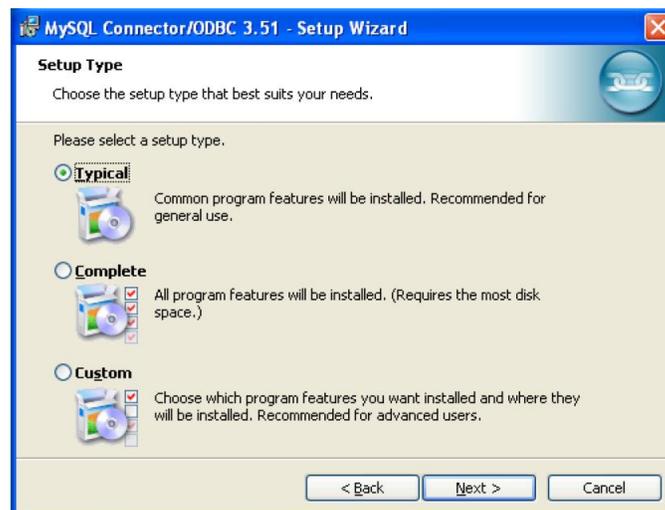
Installing the Windows Connector/ODBC Driver

The following summarizes the actual installation of the ODBC driver onto your computer. Please note that you will require Administration privileges to complete this setup. For the purposes of this procedure, the screen shots show the ODBC 3.51 driver being installed. Installing the ODBC 5.1 driver for Windows 7/8/10 is exactly the same.
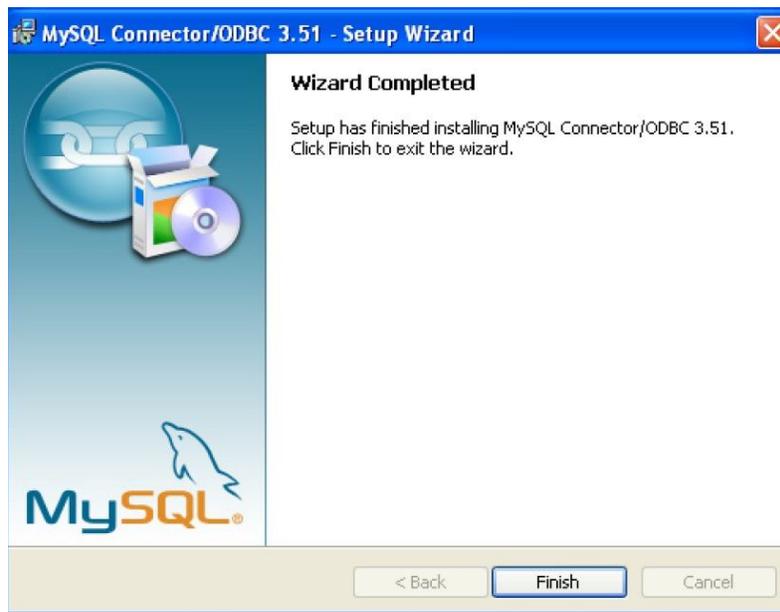
    a. Double click the standalone installer/MSI file you downloaded

    b. The MySQL Connector/ODBC Setup Wizard starts. Click the **NEXT** button to begin the installation process

    c. Choose the **Typical Installation** type. The Typical Installation provides the standard files needed to connect to a MySQL database. Click **NEXT** to proceed to the next step.
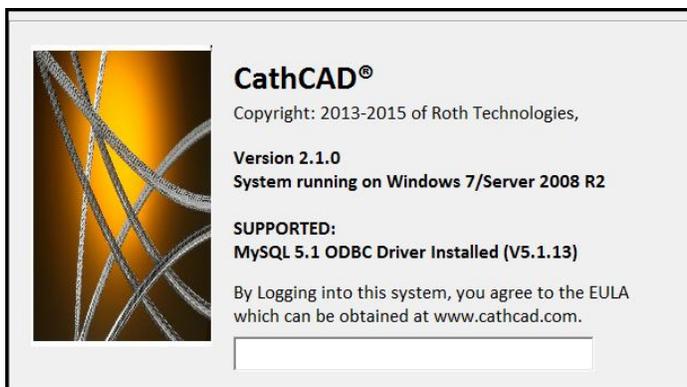
d. Once the files have been copied to your machine, the installation is complete. Click **FINISH** to exit the installer.

Installation Results

You can determine if your installation of the MySQL ODBC driver was successful when you actually run the CathCAD® software. The driver version and the support for the MySQL ODBC driver is displayed on the login screen as shown.

Based on previous customer installation issues, three problems have been encountered:

- The MySQL ODBC driver (32 bit version) was not installed.

- The software requires that PORT 3306 is open on your gateway. If you run into this issue, please contact your I/S department to review and correct this issue.

- With older versions of CathCAD® -- there was a software compatibility issue with the MySQL ODBC driver 5.1.13 (and higher) as well as version 5.2.X. If you have an older version of the software -- you must use the MySQL ODBC driver that is on the installation CD and/or that is posted on our web site.

Update to CathCAD® Software for MySQL ODBC Compatibility

The use of the MySQL ODBC driver in the CathCAD® series of software was updated in a 2015.07.19 release of the software. This update provides the following features:

- Allows CathCAD® Standard (V2.10+), CathCAD® Advanced (V3.10+), and ML CathCAD® (V1.1.0+) full compatibility with any and all current releases of the MySQL ODBC driver
- The start up screen shows what MySQL ODBC driver released is installed on the computer that is being used to run the CathCAD® software (as illustrated)
- The software is now able to better determine when Port 3306 is being blocked by Windows Defender and/or the Network System.
- If you have a successful installation of the MySQL ODBC driver on your computer -- there is NO REASON to update your system with a new version of the MySQL ODBC driver. The exchange of data between your computer and our server is minimal and we have done tested with all available MySQL ODBC drivers and they all work very well.
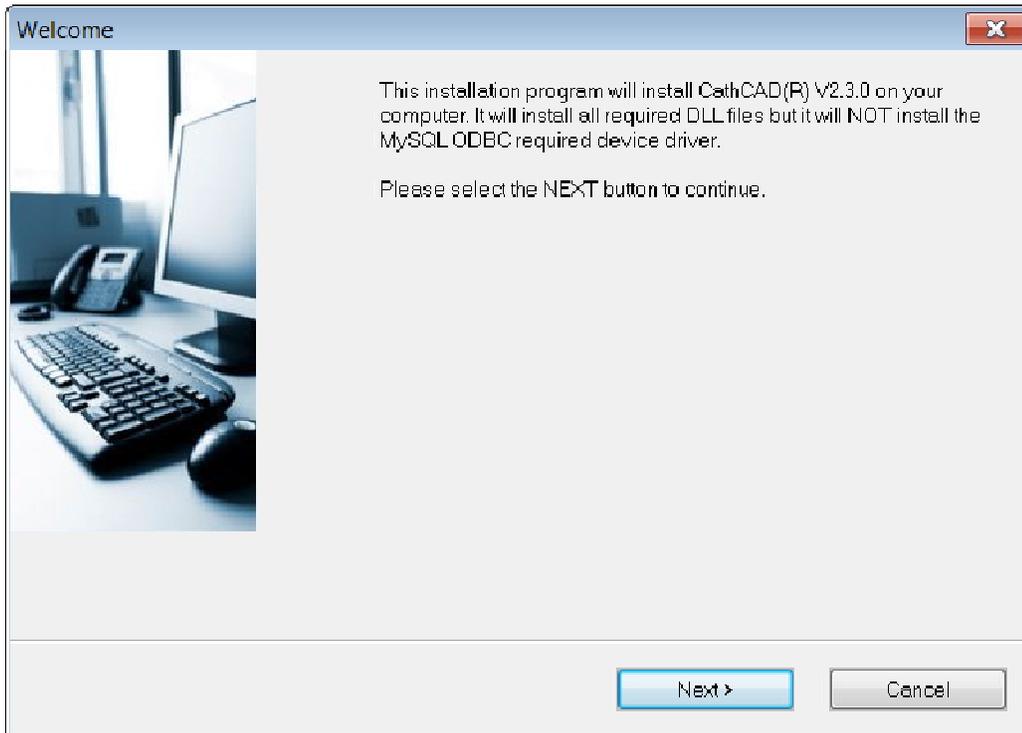
IV. Program Installation

An installation program is provided to install the SOFTWARE. This installation program installs the CathCAD® program as well as installs any missing DLL files as part of your Windows Operating System. We expect that in the future the installation program will be able to install the MySQL ODBC driver as well. If you are installing an update to the program -- follow this procedure as well as the INSTALLER will automatically update the program on your computer.

1. Install your CD into your CD/DVD player on your computer. If the setup program was downloaded from our website, unzip the files to a local (temp) folder

2. Run the setup program. We utilize Visual Installer 2015 as sold by Sam Logic. A confirmation screen will request that you select OK to proceed (not shown on this installation guide).
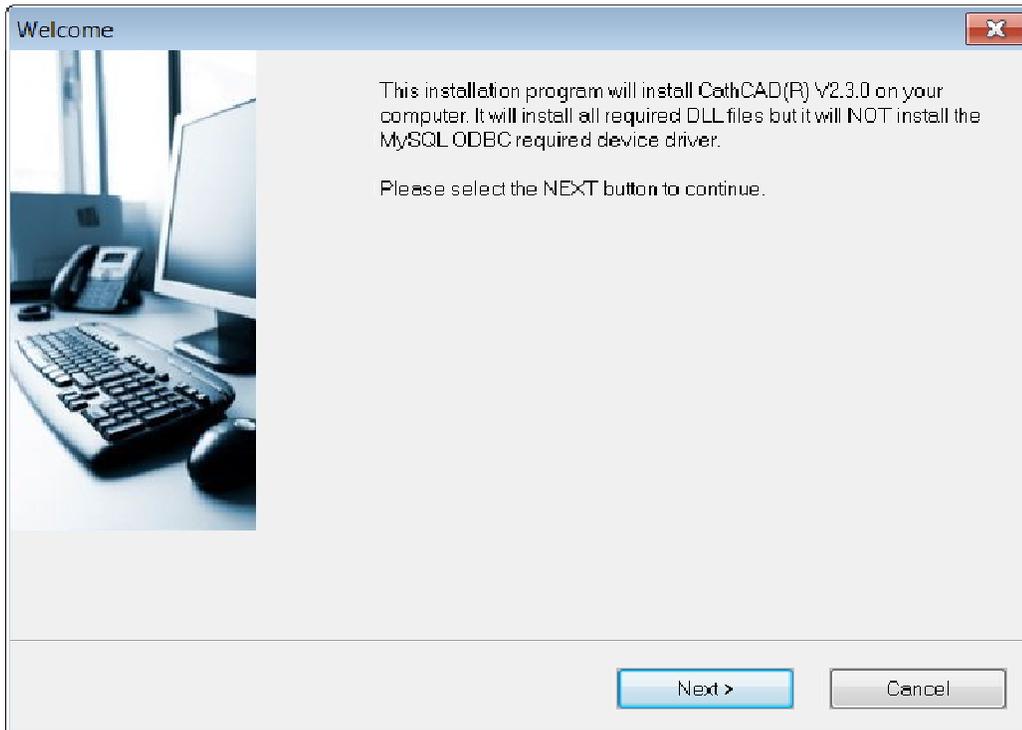
Note: You must run the installation procedure for each of the three CathCAD® products individually. This allows you as the User to install any or all of the CathCAD® products on the computer.

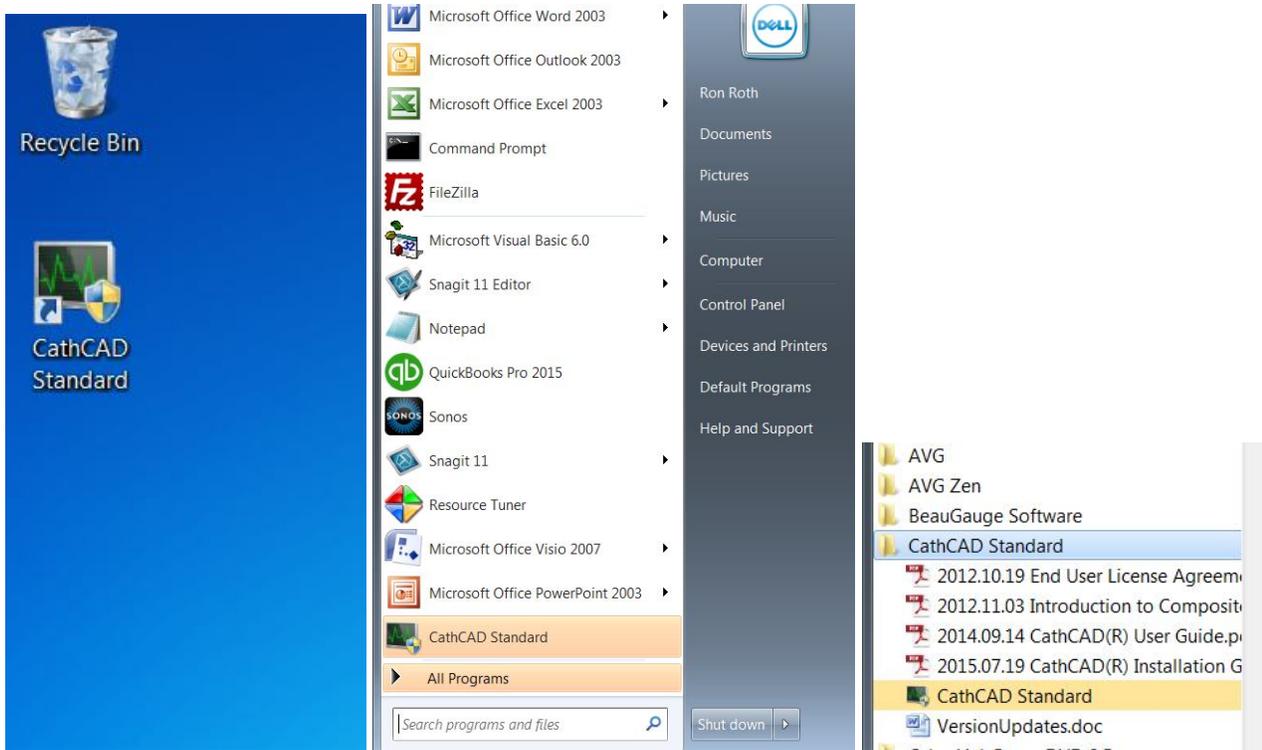| Name	Date modified	Type	Size
Active Delivery	12/13/2015 6:41 PM	File	2 KB
_ad8103.adx	12/13/2015 6:41 PM	ADX File	9 KB
_ad8103.dll	12/13/2015 6:41 PM	Application extens...	77 KB
CathCAD-STDV2.3.0-setup.zip	12/13/2015 6:41 PM	WinZip File	4,846 KB
DESOBJ.DAT	12/13/2015 6:41 PM	WordPerfect X6 M...	86 KB
DUNZIP32.DLL	11/8/2006 3:17 PM	Application extens...	140 KB
ENGLISH.LNG	2/23/2015 11:58 A...	LNG File	15 KB
FILEDATA.DAT	12/13/2015 6:41 PM	WordPerfect X6 M...	4,274 KB
FILELIST.INF	12/13/2015 6:41 PM	Setup Information	2 KB
SETUP.EXE	11/3/2015 5:58 PM	Application	75 KB
SETUP.EXE.manifest	9/27/2013 12:38 PM	MANIFEST File	1 KB
VIREG32.BIN	9/14/1997 3:00 AM	BIN File	37 KB
VIS32X.BIN	11/3/2015 5:56 PM	BIN File	559 KB
VISETUP.INF	12/13/2015 6:41 PM	Setup Information	9 KB
VIXREG2.BIN	11/3/2015 6:03 PM	BIN File	55 KB
VIXUNIN.BIN	11/3/2015 6:01 PM	BIN File	231 KB
W5.man	9/27/2013 12:38 PM	MAN File	1 KB
W5U.man	9/27/2013 12:38 PM	MAN File	1 KB
W6.man	9/27/2013 12:38 PM	MAN File	1 KB
W6U.man	9/27/2013 12:39 PM	MAN File	1 KB

3. At the Welcome Screen, select the NEXT button as shown

4. Confirm the directory the files will be installed into by selecting NEXT

5. The installation will be completed and you are done. The CathCAD® program ICONS will be installed on your desktop (shortcut), your START menu, and in your program files as shown in the figures below.

As part of the installation we have included other associated documents that support the program's use.

V. Uninstalling the Program

The software may be uninstalled by CONTROL PANEL/PROGRAMS.

VI. Installation Support

Contact us at sales@cathcad.com