MCerberus® Software Installation Guide

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TABLE OF CONTENTS

I.   Introduction

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

The MCerberus® Software is the Back End Application that allows the User to analyze the data that is obtained and stored by the hardware unit. There are many variants of the MCerberus® System -- this document supports any and all Software application programs that have been written to enhance and support their use.
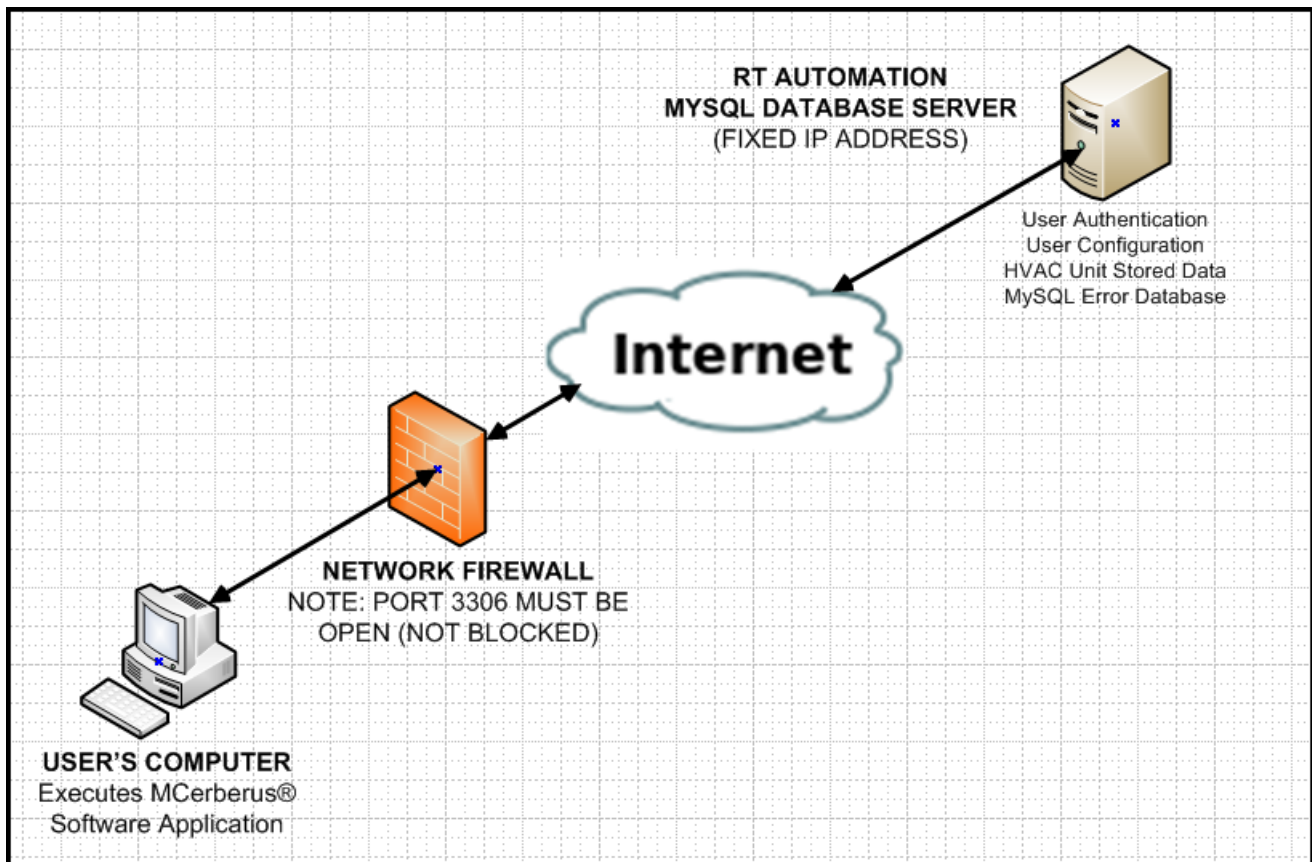

II.   Software System Requirements

In order to run the Software 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. If this port is blocked the Software will not function. See Section VII.

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

- Display and Video Screen resolution of 1280 x 1024 or higher

- The User running the software must have READ/WRITE access to the directory that the 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 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.

- The Excel version must be 32 bit in order for the Export function to operation correctly. If you have a 64 bit version of Excel loaded on your computer the Export functions will NOT work.

III. Install the ODBC Driver

The ODBC Driver works as a standard gateway for applications to communicate with Database Servers. The Databases for the Software 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.
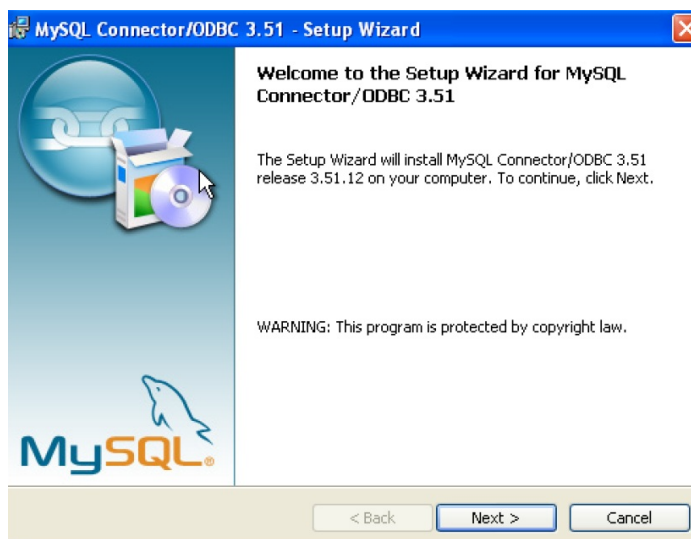

Obtaining the ODBC Driver

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. The Software 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 Installation CD or from our website at www.MCerberus.com via the DOWNLOAD page.
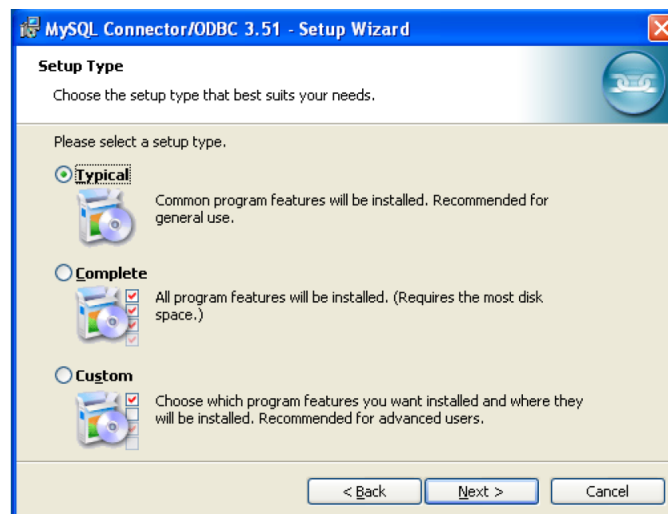
Installing the Windows Connector/ODBC Driver

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.
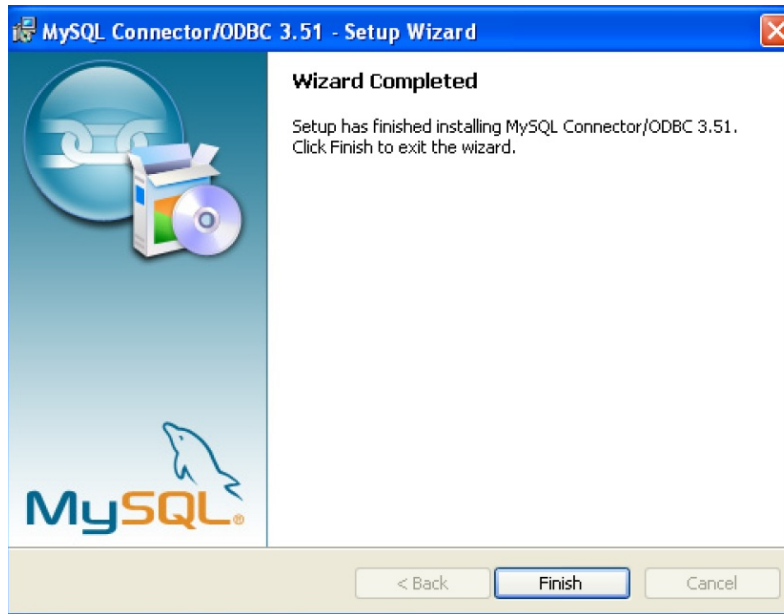
   a. Double click the standalone installer/MSI file you downloaded

   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.
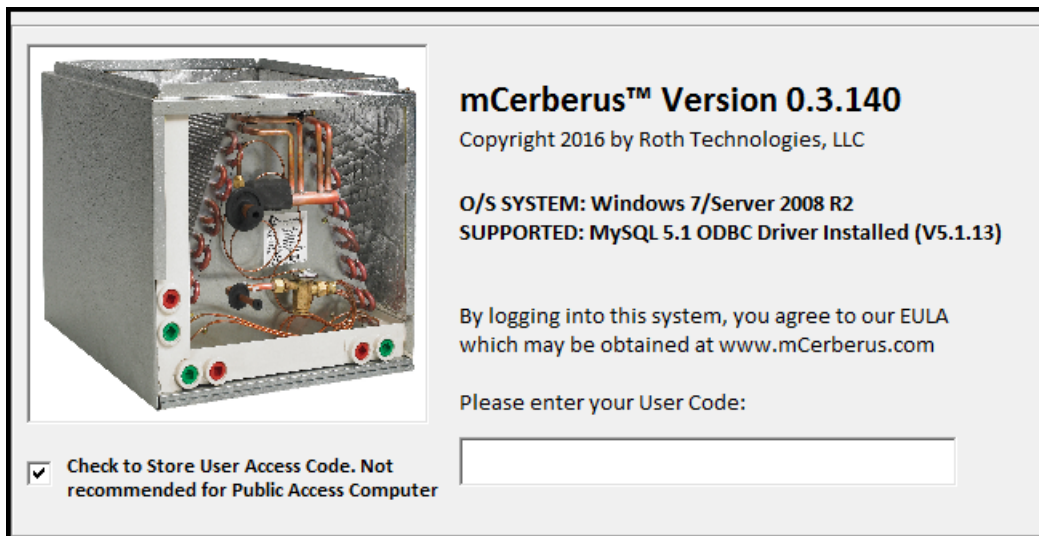
d. Once the files have been copied to your machine, the installation is complete. Click **FINISH** to exit the installer.

Installation Results

You can determine if your installation of the MySQL ODBC driver was successful when you actually run the 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, the following problems were 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. **See Section VII.**
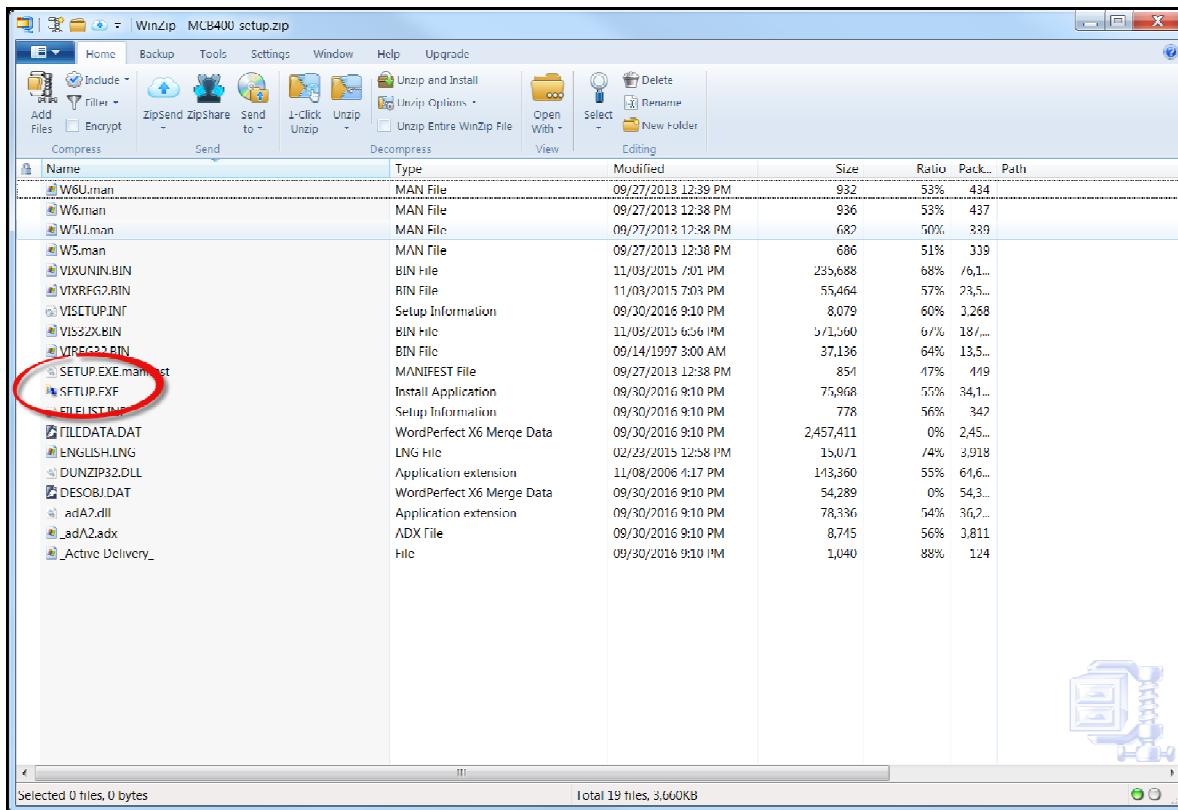
MySQL ODBC Compatibility

The use of the MySQL ODBC driver in the Software is critical to its function. In order to have the Software function correctly, the Software was written with the following features:

- Allows the Software full compatibility with any and all current releases of the MySQL ODBC driver
- The start up screen shows the MySQL ODBC driver version installed on the computer that is being used to run the Software (as illustrated)
- The software is able to 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.
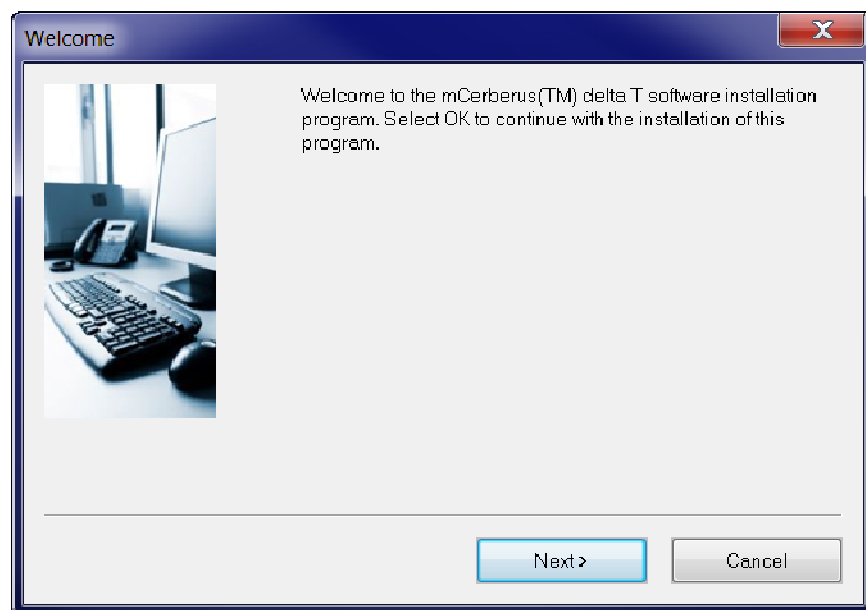
IV. Program Installation

An installation program is provided to install the SOFTWARE. This installation program installs the Software 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.
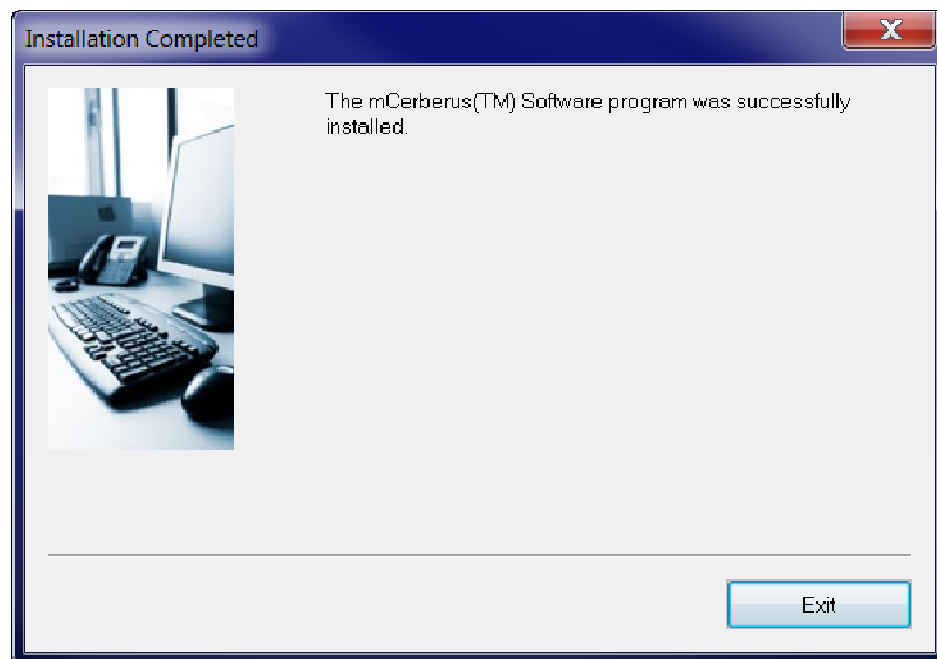
1. Install your CD into your CD/DVD player on your computer. If the setup program was downloaded from our website, unzip the files to a local (temp) folder

2. **Run the SETUP.EXE program.** e 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). This screenshot shows the files that are included in the ZIP file if you download it from the website.
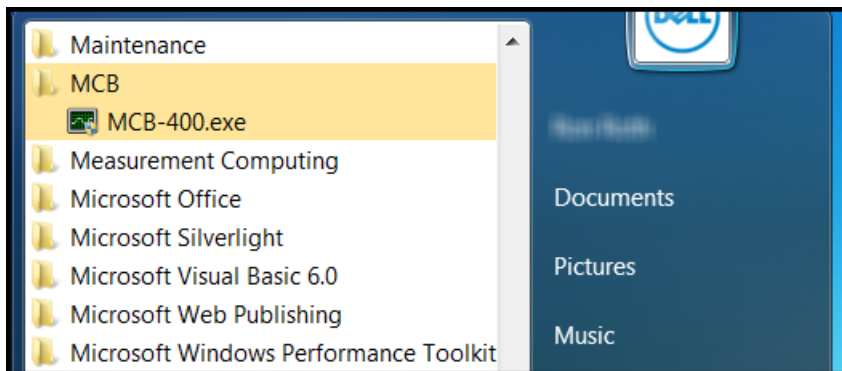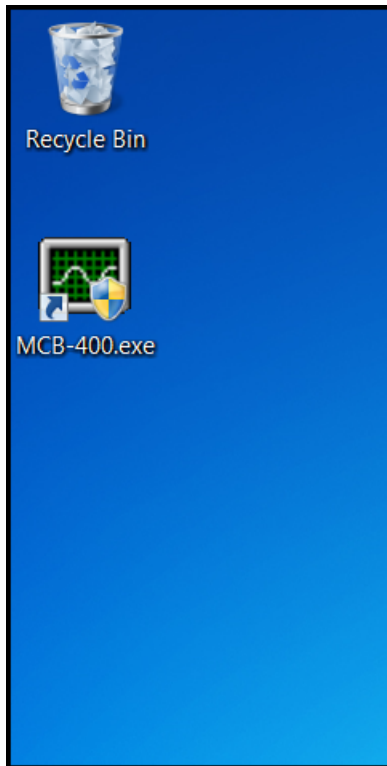
3. At the Welcome Screen, select the NEXT button as shown

4. The installation will be completed and you are done. The SOFTWARE program ICONS will be installed on your desktop (shortcut) and in your program files as shown in the figures below.

V. Uninstalling the Program

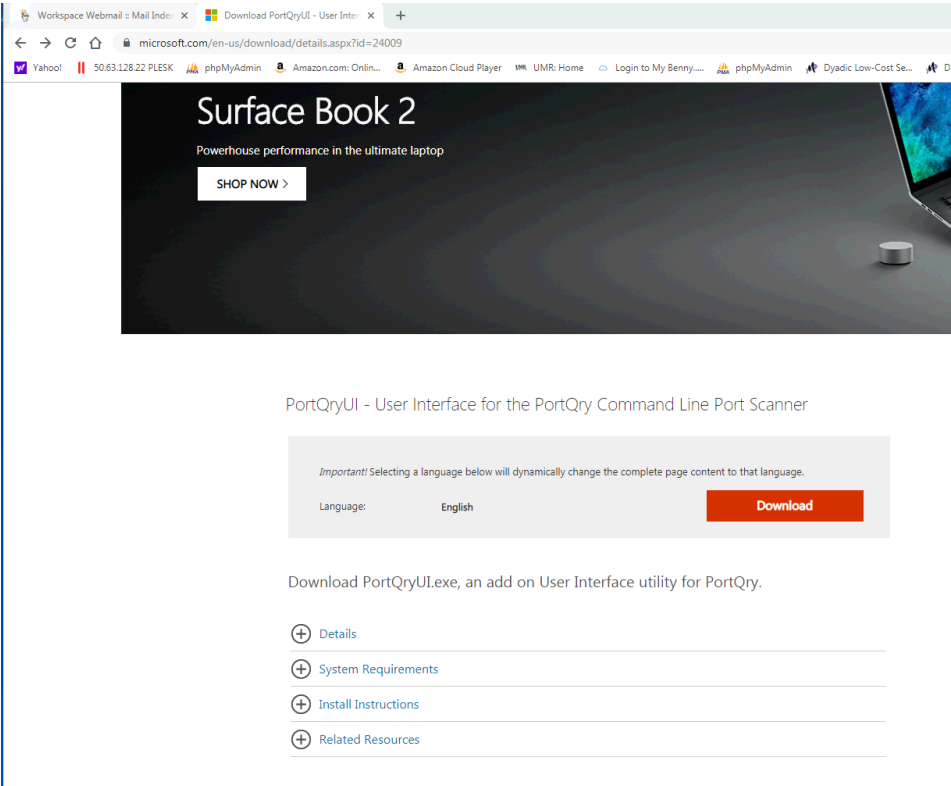The software may be uninstalled by CONTROL PANEL/PROGRAMS.

VI. Installation Support

Contact us at sales@MCerberus.com

VII. How to determine if Port 3306 is open on your Network

We recommend the use of the **portqueryUI** tool that is provided by Microsoft. It may be downloaded from Microsoft via the following link. We recommend the use of the graphical user interface version. Our instructions in this document refer to this version.

https://www.microsoft.com/en-us/download/details.aspx?id=24009
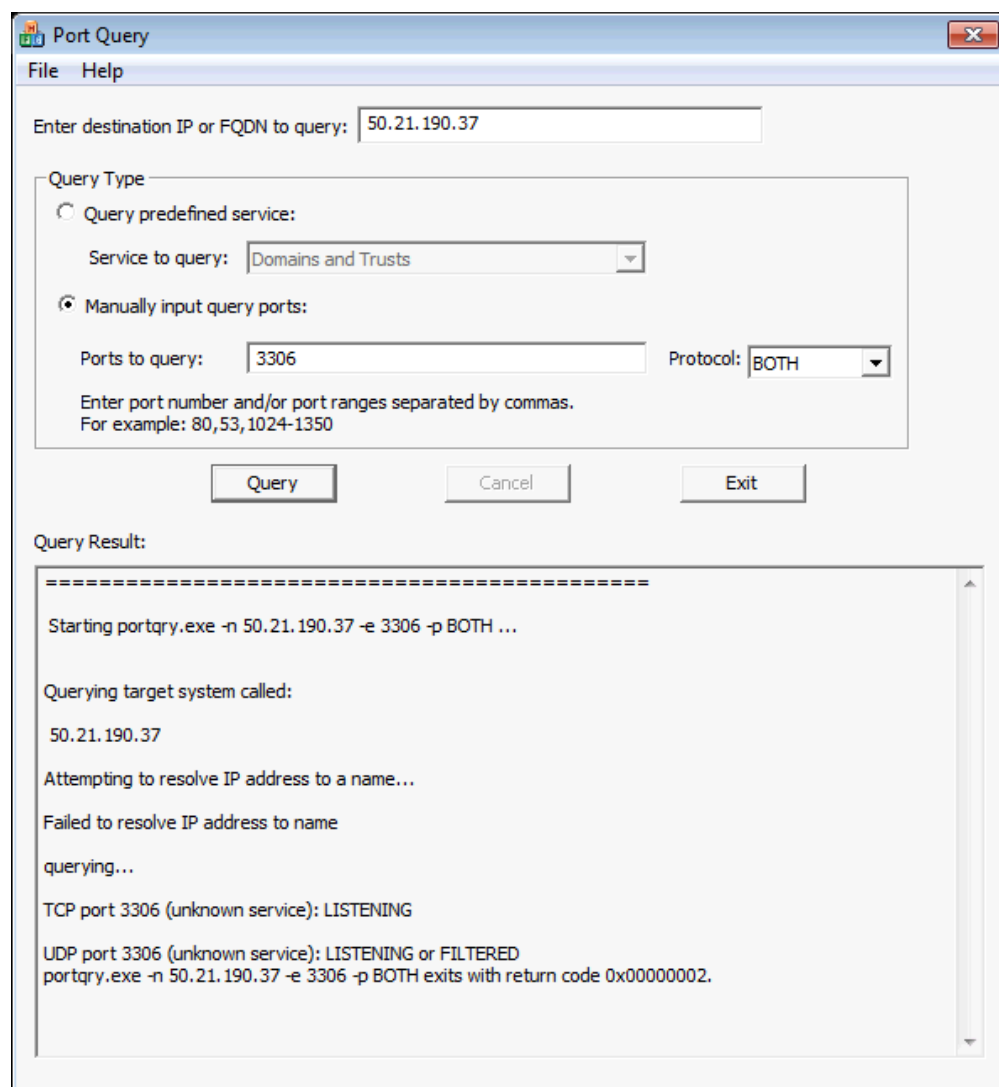

Roth Technologies Servers

Roth Technologies has three servers that provided services as follows:

IP: 74.208.242.136   CathCAD® Server
IP: 74.208.165.58   MeasureOD®
IP: 50.21.190.37   MCerberus®

We recommend opening Port 3306 to all three Servers, however, you only need to open Port 3306 to the Server for the product that you intend on using.

portqueryUI: Port 3306 open example

This screenshot illustrates an example where Port 3306/TCP Protocol is OPEN on the Firewall for IP Address 50.21.190.37

portqueryUI: Port 3306 not open example

The following example illustrates an example where Port 3306/TCP Protocol to IP Address 74.208.242.136 is NOT open on the Network Firewall.