MOVES2014 Installation Guide: MySQL

Installation Instructions

1. Download and run the MySQL Installer from http://dev.mysql.com/downloads/windows/installer/5.6.html.
    a. If you have an active Internet connection, you can download the smaller MSI option, which will only download the software components that you select during installation.
    b. If you do not have an active Internet connection during installation, you should select the larger file instead.
    c. After clicking the download button, the website may direct you to login or sign up for an account. You may do so if you wish, but you can bypass this step by clicking the "No thanks, just start my download" link below the login and signup buttons.
2. On the select products and features page, we recommend selecting the following options:
    a. MySQL Servers > MySQL Server
    b. Applications > MySQL Workbench
    c. Applications > MySQL Notifier
    d. MySQL Connectors > Connector/ODBC
3. Prerequisites: The MySQL Installer may need to install some prerequisite programs before installing the products you selected. If you get to this page, click "Execute". When you get green checkmarks next to each prerequisite item, you can click Next to install the selected products.
4. You will be prompted to configure MySQL Server after it installs. In general, the default options are optimal for most users. However, please note the following:
    a. TCP/IP connectivity must be enabled, though you do not need to open Firewall port for network access for MOVES.
    b. Use port 3306 unless there are multiple versions of MySQL Server installed on your computer. If this is the case, please choose a unique port number and write it down, as you may need it later in the MOVES installation process.
    c. Choose an easy-to-remember root password, such as `root` or `moves`. If you choose something different, write it down as you will need it later.
    d. You do not need to create a user account at this point because the MOVES installer will create the MySQL user 'moves' with password 'moves' (without quotes) for you.
    e. MySQL Server must be installed as a Windows Service run as Standard System Account. For convenience, keep the option to start the server at system start up. Otherwise, you will need to manually start the MySQL Server before continuing with the MOVES installation as well as before every MOVES run.
    f. If you want more information about what each of these settings mean, please see the MySQL reference manual: http://dev.mysql.com/doc/refman/5.6/en/mysql-installer-gui.html.
5. If any of these products fail to install or configure, try it again. Note that it is most important that MySQL Server and Workbench successfully install before continuing. For help, see MySQL's installation guide here: http://dev.mysql.com/doc/refman/5.6/en/windows-installation.html.

Frequently Asked Questions

What version of MySQL should I use?

- MySQL Server 5.6 is the latest version officially supported by MOVES. However, MOVES is also compatible with MySQL Server 5.5. As long as at least one of these versions is properly configured and running, MOVES will successfully install.
- Future versions of MySQL (e.g. MySQL Server 5.7) may be released before this version of the MOVES installer is updated. Until they are officially supported, we recommend using MySQL Server 5.6 available at http://dev.mysql.com/downloads/windows/installer/5.6.html.

What additional MySQL products should I install?

- MySQL Workbench
    - While Workbench is not required to run MOVES, it is a useful tool for viewing the results of MOVES runs.
    - More information about Workbench is available at: http://dev.mysql.com/doc/refman/5.6/en/workbench.html.
    - This program has required prerequisite software that must be installed before you can install Workbench (see #3 under Installation Instructions).
    - **MOVES2010b users**: Please note that QueryBrowser is no longer supported by MySQL and has been replaced by Workbench.
- MySQL Notifier
    - Notifier is a convenience tool for monitoring MySQL Server status.
    - It also allows you to easily start, stop, and restart MySQL Server.
- MySQL Connector/ODBC
    - The ODBC Connector is a database driver that allows a variety of other programs to interact with MySQL Server. For example, if you want to analyze MOVES results in R, you should install this connector.
    - There are more specific connectors (e.g. Python and C++) that you can also install to meet your MOVES analysis needs, as well.