Building From Source

BUILDING FROM SOURCE

Building From Source

Step-by-step guide to build the Marketcetera platform from source:

1. Install the tools
   a. Maven 3
   b. Java SE JDK 8
   c. Subversion (command-line or UI-based, like TortoiseSvn)
   d. Eclipse IDE
   e. MySQL 5
2. Set up your database system
   a. Add the following to your my.cnf and restart MySQL#

      # Marketcetera Modifications
      #character_set_server = utf8
      lc_time_names = en_US
      default-time-zone = +0:00
      collation_server = utf8_general_ci

   b. Create a Marketcetera database*$ mysql -u root -p*

      Enter password:
      mysql> create database marketcetera;
      mysql> grant all on marketcetera. to 'marketcetera'@'localhost' identified by 'marketcetera';*
      mysql> flush privileges;
      mysql> \q

      These instructions are for Linux, but are almost the same for Windows. If you installed MySQL as a service, you can omit the '@localhost' part above.
3. Set up your directories.
   a. Linux

      $ cd ~
      $ mkdir -p marketcetera/workspaces/base/code

   b. Windows

      Create the same directory structure from your root device, like C:\metc\workspaces\base\code. Keep it as short as possible as there's a limitation in Windows on the length of filenames.

4. Download the Source

   $ cd ~/marketcetera/workspaces/base/code
   $ svn co http://source.marketcetera.org/root/trunk metc

5. Build the Source

   $ cd metc
   $ mvn -DskipTests clean install eclipse:eclipse

6. Start Eclipse

a. Set your workspace to marketcetera/workspaces/base
b. Define a String Substitution that points to your Maven executable (Window->Preferences->Run/Debug->String Substitution)
c. Set the target platform (Windows->Preferences->Plug-in Development->Target Platform)
    i. Select Add to create a new target platform
    ii. Start with Nothing and click Next
    iii. Name your target Marketcetera and click Add
    iv. Choose Directory and click Next
    v. Browse to metc/photon/maven/rcptarget/photon-target/eclipse and click OK
    vi. Click Finish
    vii. Click Finish
    viii. Select the Marketcetera platform as the active platform and click OK

7. Import projects (File->Import->General->Existing Projects into Workspace). Set the root directory to your top level code directory (marketcetera/workspaces/base/code/metc). Check Search for nested projects and select Finish. A popup may appear right away that says "build error". Just close this and ignore it. The code should build cleanly at this point.