

# Building From Source



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## 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
```

- ol type="a">- 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
```

- ol type="a">- 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.