

Java Client for CM API Setup Example for the QuickStart VM (5.12.0)

The following instructions explain how to set up the Java libraries on the QuickStart VM (version 5.12.0) by using the installed version of Eclipse and Maven.

You can find the Javadoc relevant to this version of the CM API here:

http://cloudera.github.io/cm_api/javadoc/5.12.0/index.html.

1. Click the desktop icon to launch the Eclipse IDE
2. In Eclipse, click **File** → **New Project**
3. Expand the **Maven** category
4. Choose **Maven Project**, and then click the **Next** button
5. Click the **Next** button again (accept the defaults on the New Maven Project screen)
6. Choose **maven-archetype-quickstart** and click the **Next** button
7. Enter **com.cloudera.elevate** for the Group ID
8. Enter **cmapidemo** for the Project ID
(the package name should be **com.cloudera.elevate.cmapidemo**)
9. Click the **Finish** button
10. Right-click the **pom.xml** file in the project view, choose **Open With** → **XML Editor**, and then switch to the **Source** view
11. Add the text in the **<repositories>** element from this page (http://cloudera.github.io/cm_api/docs/java-client/), just before the **<dependencies>** tag
12. Add the text in the **<dependency>** element from this page (http://cloudera.github.io/cm_api/docs/java-client/), just after the existing dependency for JUnit (but still within the **<dependencies>** element)
13. Change the value of the **<version>** element to **5.12.0** to match the CM version on the QuickStart VM
14. Save the changes you've made to the **pom.xml** file

15. Expand the source folders to locate the `com.cloudera.elevate.cmapidemo.App` class, and then open it in the Java editor.
16. Change the code in the `main` method to do something like the code sample in the Basic Usage section of this page (http://cloudera.github.io/cm_api/docs/java-client/)
17. Right-click the `pom.xml` file, choose **Run As...**, and then select **Maven Clean**
18. Change the code so that it uses `v17` instead of `v19`, and then fix the import statements
19. Select the `com.cloudera.elevate.cmapidemo.App` class in the Package Explorer, and then click the **Run** button.