

## REST Client

A Java-based REST Client for KumoScale software is provided to perform most API tasks. This client can either be run through the command-line or through a program such as NetBeans™ IDE or IntelliJ™.

### Apache Maven™ Installation

Apache Maven must be installed and configured in order to run the REST Client through the command-line. Failure to configure Maven properly will result in an inability to run the KumoScale REST Client.

Java™ SE Development Kit must be installed on your System in order to run Apache Maven. Ensure the JAVA\_HOME environment variable is set and points to your JDK installation before installing Maven.

To install and configure Apache Maven for Linux Systems:

1. Download the appropriate [Apache Maven binary archive](#) .
2. Extract the files into the desired location.
3. Use the following commands in the command line to configure Maven:

```
export M2_HOME=[location you extracted Maven - e.g /usr/local/maven/apache-maven-3.3.9]

export M2=$M2_HOME/bin

export PATH=$M2:$PATH

export MVN_REP=[your Maven repository path - e.g. /root/.m2/repository]
```

4. Confirm the Maven installation with the following command:

```
mvn -v
```

To install and configure Apache Maven for Windows™ Systems:

1. Download the appropriate [Apache Maven binary archive](#).
2. Extract the files into the desired location.
3. From the Control Panel, access *System*.
4. Click Advanced System Settings.
5. Your System may request System administrator access.
6. The System Properties window opens. Under the *Advanced* tab, click the **Environment Variables...** button.
7. From the open Environment Variables window,
8. Click **New...** under the System Variables table. A dialog box opens.
9. Enter in **M2\_HOME** as the Variable name and the location you extracted Maven (for example, *C:\Program Files\apache-maven-3.3.9*) as the Variable value, then click **OK**.
10. Click **New...** under the System variables table. A dialog box opens.
11. Enter in **M2** as the Variable name and the Maven */bin* folder location (for example, *C:\Program Files\apache-maven-3.3.9\bin*) as the Variable value, then click **OK**.
12. Click **New...** under the System variables table. A dialog box opens.
13. Enter in **PATH** as the Variable name and the following as the Variable values: the location you extracted Maven (for example, *C:\Program Files\apache-maven-3.3.9*) and the location of your Java installation (for example, *C:\Program Files\Java\jre1.8.0\_121*), separated by a semicolon. Click **OK** when done.
14. Click **New...** under the System variables table. A dialog box opens.
15. Enter in **MVN\_REP** as the Variable name and the local Maven repository folder location (located under */root/.m2/repository* for Linux or *C:\Users\{user name}\.m2\repository* for Windows) as the Variable value, then click **OK**.
16. Click **OK**, then **OK**, and exit out of the Control Panel.
17. Apache Maven is now configured and ready for use.

Next: [REST API Error Code Descriptions](#)

