ThingMagic
A DIVISION OF TRIMBLE

Build and Run Java API From NetBeans

Version 1.0

Government Limited Rights Notice: All documentation and manuals were developed at private expense and no part of it was developed using Government funds.

The U.S. Government's rights to use, modify, reproduce, release, perform, display, or disclose the technical data contained herein are restricted by paragraph (b)(3) of the Rights in Technical Data — Noncommercial Items clause (DFARS 252.227-7013(b)(3)), as amended from time-to-time. Any reproduction of technical data or portions thereof marked with this legend must also reproduce the markings. Any person, other than the U.S. Government, who has been provided access to such data must promptly notify ThingMagic.

ThingMagic, Mercury, Reads Any Tag, and the ThingMagic logo are trademarks or registered trademarks of ThingMagic, A Division of Trimble.

Other product names mentioned herein may be trademarks or registered trademarks of Trimble or other companies.

©2015 ThingMagic – a division of Trimble Navigation Limited. ThingMagic and The Engine in RFID are registered trademarks of Trimble Navigation Limited. Other marks may be protected by their respective owners. All Rights Reserved.

ThingMagic, A Division of Trimble
1 Merrill St.
Woburn, MA 01801

09 Revision A
Sept, 2015

Introduction
Instructions to build JAVA API
Instructions to run sample codelet

Build and Run Java API From NetBeans

Introduction:

This document describes how to build Java API and run sample application from netbeans

Instructions to build JAVA API

1. Download netbeans IDE for respective OS platform(windows/mac/Linux).
2. After download , install the software by following the steps mentioned in the following link:

https://netbeans.org/community/releases/80/install.html

3. Download the Mercury API SDK and extract it.
4. Open the project “samples_nb” in Netbeans IDE by giving the path to “SDK\java\”(In this path, you will find “mercuryapi_nb” and “samples_nb” projects).
5. Build the samples_nb project by right click on the project and select “Build” option.

Instructions to find out serial port connected:

1. Open Device manager and check for the serial port number (which is connected to the host machine and to the reader) under “Ports” section.

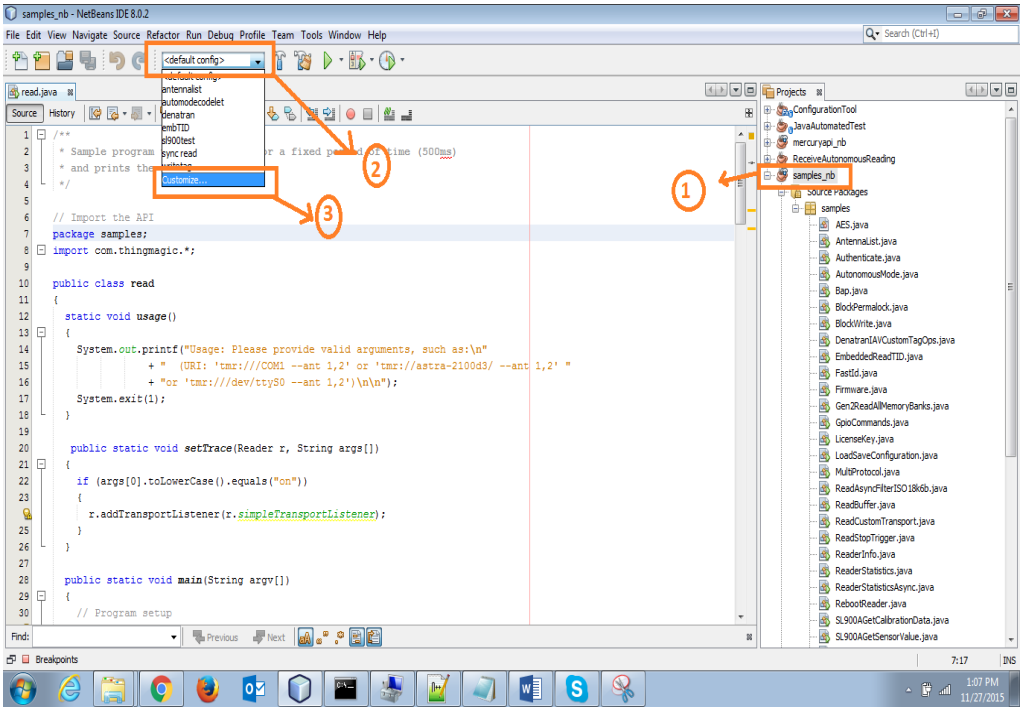
Instructions to run sample codelet

1. After successful build,
   - **To run a sample codelet from netbeans IDE :**

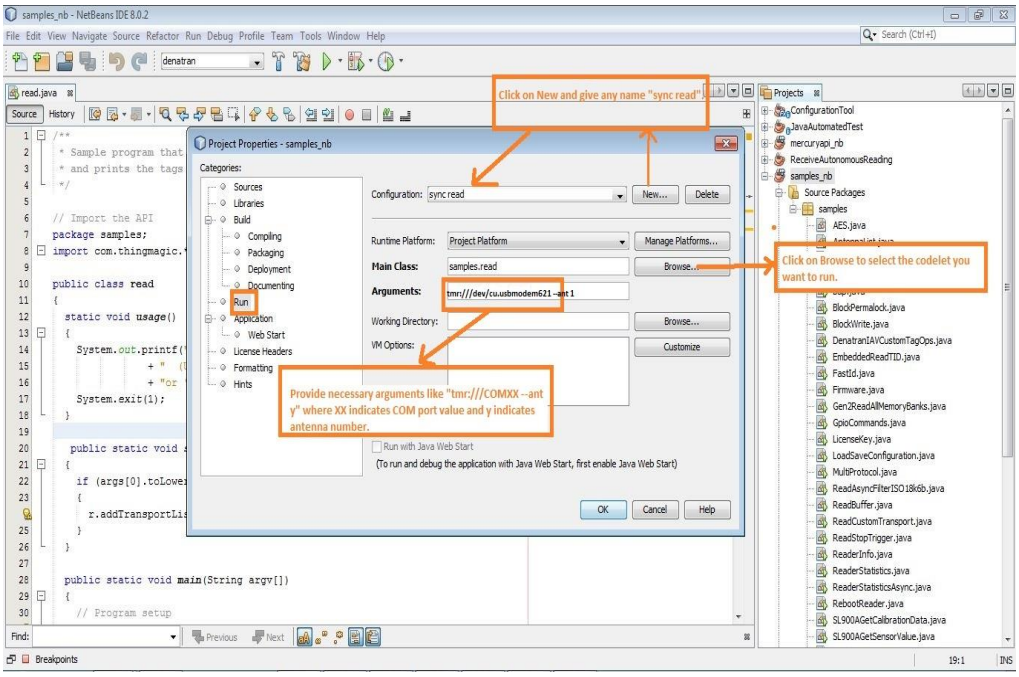
     (i) Provide the com port and antenna based on the usage provided in the codelet.

     (ii)For example: To run a sample read codelet, provide the arguments like “tmr:///com21 --ant 1” in the Arguments section as shown in below figure and click on run button at the top. Whereas for demo codelet , you need to provide arguments as “tmr:///comxx” , where xx is com port number.

Follow the steps mentioned in below figures for running the codelet:



A sample_nb Project Properties window appears as shown below.



- **For running a sample codelet from terminal, follow the below steps:**
  Go to the directory “SDKROOT/java/samples_nb/dist” and send the command
  “java -cp samples_nb.jar:../../mercuryapi.jar:../../ltkjava-1.0.0.6.jar samples.read tmr:///comxx --ant x” where xx indicates com port number and x indicates antenna number.