## **Compiling Java API on Linux**

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# **Introduction:**

This document describes how to configure, compile Java API and run sample application on Linux.

# **Steps to Compile Java API on Linux**

1) Download the latest Mercury API from the JADAK website using the below link:

[*https://www.jadaktech.com/documentation/rfid/mercuryapi/*](https://www.jadaktech.com/documentation/rfid/mercuryapi/)

2) Unzip the zip file using below command

*sudo unzip mercuryapi-XXX.zip -d ./mercuryapi-XXX*

3) Navigate to “*java/samples\_nb/src/samples*” folder and edit the sample java application (example:read.java), comment out the line “PACKAGES=samples;”(line number 7) and save the file.

\**If you are unable to access mercury API, then change permissions using below command:*

*sudo chmod -R 777 mercuryapi-XXX*

4) Copy read.java to Java directory using below command (you can use the below command when you are in folder “java/samples\_nb/src/samples”)

*cp read.java ../../../*

5) Navigate back to Java directory and compile the application using the following command.

Command: sudo *javac -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar <sampleapplication.java>*

Example: *sudo javac -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar read.java*

6) Run the application using following command.

Command: *sudo java -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar <sampleapplication> <comport> <--ant 1,2>*

Example for Serial reader***:*** *sudo java -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar read tmr:///dev/ttyS0 --ant 1*

Example for Network reader: *sudo java -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar read tmr://<ip address> --ant 1*

Note: You can check the com port by using below command

*dmesg | grep tty*