

ThingMagic® API and URA Frequently Asked Questions (FAQs)

How do I get a native library to handle the communication between the Java layer and the physical UART port on our ARM platform?

The JNI/Serial libraries for ARM need to be built. See the makefile in [sdkinstall]\c\proj\jni it shows a makefile for compiling the JNI library. The simplest thing to do is unzip the mercuryAPI.jar, rename libSerialTransportNative.so.0 to linux-arm.lib and put it in the unzipped mercuryapi/com/thingmagic folder with the new one. Then when you invoke an application, make sure it's using /mercuryapi in the classpath instead of /mercuryapi.jar.

How do I run a java sample codelet of the MercuryAPI from terminal?

If you would like to run the codelet from terminal, you would be needing the ltkjava-1.0.0.6 and mercuryapi.jar (available at location <mercuryapi>\java). Place the ltkjava-1.0.0.6, mercuryapi.jar and the required modified codelet(readasync.java) in a folder and then perform the below steps from that folder location.

Compile the application using the following command.

- javac -cp .:ltkjava-1.0.0.6.jar: mercuryapi.jar
(Example: for "readasync.java" sample application, send below command to compile)
- javac -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar readasync.java

Run the application using following command.

- java -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar <--ant 1,2>
(Example: for "readasync.java" sample application, send below command to run)
- java -cp .:ltkjava-1.0.0.6.jar:mercuryapi.jar readasync tmr:///COMport -ant 1

Is there a method to implement kill command in URA? If no, what is the process to use kill command?

We support the Kill command in Mercury API, but not in Universal Reader Assistant. "Kill" works like any other TagOp method, but we should use "Gen2.kill" instead of one of the other methods, such as for reading or writing data memory. Please note that the tag has a special Kill Password, which must be non-zero to kill a tag.

Is there an option to provide a Filter Data (byte array) with zero length in URA?

We do not have an option to provide a byte array with zero length in URA. Hence, Mercury API is suggested.



JADAK
A Novanta Company

USA Office

phone: +1 315.701.0678
email: info@jadaktech.com
web: jadaktech.com

European Office

phone: +49 89 31 707 100
email: info@jadaktech.com

Asia Pacific Office

phone: +86 512.6283.7080
email: info@jadaktech.com



ABOUT JADAK

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting challenges. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

ThingMagic is JADAK's RFID line of products. www.jadaktech.com

Novanta Rev 02062020



JADAK
A Novanta Company

USA Office

phone: +1 315.701.0678
email: info@jadaktech.com
web: jadaktech.com

European Office

phone: +49 89 31 707 100
email: info@jadaktech.com

Asia Pacific Office

phone: +86 512.6283.7080
email: info@jadaktech.com

