
Release Notes - EMDK for Java RFID v1.2- Host based programming

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Introduction

This is an update release of the EMDK for Java (RFID) for the FX7500 RFID reader. It provides a set of tools necessary to develop Java Applications for RFID reader devices from Zebra. This update must be used when developing host based .Net applications for FX7500 software versions 1.2.9.

Description

EMDK for Java RFID provides a set of tools necessary to develop Java Applications for RFID reader devices from Zebra. These tools include class library, sample application and associated documentation. EMDK for Java RFID allows Java developers to programmatically access or control the RFID reader functionality. The Java application can be developed to run on the device or PC.

The following updates have been made in the API:

- **Fixed** – GetTimeZoneList API in .Net 64bit build (x64) throws AccessViolationException
- **Fixed** - Memory leaks observed in RFID3 API based application when reading tags overnight
- **Fixed** - Reader returns incorrect information for RFID_GetSystemInfo() API
- **Fixed** - C API RFID_ExportProfileToReader is not working
- **Fixed** - In multi byte mode RFID3 API Login does not support forceLogin
- **Fixed** - RFID_Login API fails multi byte mode
- **Fixed** - ACCESS_OPERATION_BLOCK_ERASE for OperationSequence fails with count > 1&& ByteCount > 8

Sample Application (J_RFIDHostSample1)

The host based sample application runs on the Desk top PC to connect RFID Reader (MC series/FX/XR) based on the IP/Host Name. This app demonstrates the complete functionality using Java RFID API3 class library (Symbol.RFID.API3.jar)

Access the Reader Connect dialog from **Reader->Connection** Menu

To connect **FX/XR Reader**, provide the respective IP address and port number (default: 5084).

To connect **MC Series Reader**, provide the IP address as 169.254.2.1 and port number (default: 5084).

This app helps to demonstrate the following functions of RFID Reader:

Secure connection

Gets the Reader capabilities

Reader configuration

Operation (Inventory & Access Operation Read, write, lock, kill, block erase and block write)

Filters (Pre-Filter, Post Filter and Access Filter)

Triggers (Start and Stop Condition)

Contents

1. EMDK-Java-RFID-x86-010002.msi : 32 bit EMDK for Java (RFID) v1.2 installer
2. EMDK-Java-RFID-x64-010002.msi : 64 bit EMDK for Java (RFID) v1.2 installer

Version Details

RFID API3 shared library	5.5.0.37	Librfidapi32.so	24-Mar-2014
RFID API3 shared JNI library librfidapi32.jni.so	1.4.0.26	Librfidapi32jni.so	24-Mar-2014
RFID API3 Java JAR file	1.4.0.26	Symbol.RFID.API3.jar	24-Mar-2014
RFID API3 PC DLL	NA	RFID programmers Guide.htm	09-December 2013
Java Programmers Guide	N/A	RFIDAPI3_JAVA.html	09-December- 2013
C API Help and programmers guide	N/A	EMDK_Help.chm	14-January- 2014
Sample applications for C, C++ and Java	N/A	RFIDSample4App	24-Mar-2014

Device Compatibility

This software release has been approved for use with the following Symbol devices.

Device	Operating System
FX7500	Linux

Installation Requirements

This software package has been approved for use with the following:

PC:

- Microsoft Windows XP (32-bit/64-bit)/Windows 7 (32-bit/64-bit)
- Oracle JDK 1.3 or above
- NetBeans IDE 6.91 (32-bit/64-bit edition)

Part Number and Release Date

May 28 2014