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# Release Notes – RFID SDK for Linux (64 bit) Host based programming

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## Introduction

This is the release of the RFID SDK for Linux (64 bit) for the FX9600 RFID reader. The tar ball provides a set of tools necessary to develop C and Java Applications for RFID reader devices from Zebra.

## Description

RFID SDK for Linux provides a set of tools necessary to develop 64 bit based C and Java Applications for RFID reader devices from Zebra. These tools include class library, sample application and associated documentation. This allows C and Java developers to programmatically access or control the RFID reader functionality on a 64 bit Linux machine.

The C and Java RFID libraries supports the following features

1. New device support for FX9600 fixed RFID reader
2. Added 64bit support
3. Secure connection
4. Added tag support for Impinj (QT Read/Write) & NXP (Change Config)
5. Set/Get global antenna configuration
  - New method setAntennaRfConfig, getAntennaRfConfig added in Config.Antennas class
6. New event added to report PA/Ambient temperature
  - New method setTemperatureAlarmEvent added in Events class
7. Extended INVENTORY\_STATE class
  - INVENTORY\_STATE\_AB\_FLIP
8. Extended SL\_FLAG class
  - SL\_ALL
9. Extended TAG\_FIELD class
  - PHASE\_INFO
10. New TEMPERATURE\_SOURCE class added
11. New ALARM\_LEVEL class added
12. Periodic Tag Report Duration
  - New ReportTriggers class added in TriggerInfo class
13. Reporting phase info as part of TagData
  - New method getPhase added in TagData class
14. Idle mode support
  - New method turnOffRadioWhenIdle, getRadioIdleTimeout added in ReaderManagement class
15. User application deployment
  - New UserApp property added in ReaderManagement class (UserApp class contain methods to install, unInstall, start, stop, autoStart, list and getRunStatus)
16. Cable Loss Compensation
  - New method setCableLossCompensation,getCableLossCompensation added in ReaderManagement class

## Contents

1. Symbol.RFID.API3.jar – RFID Java SDK jar
2. librfidapi32.so and associated libraries – 64 bit C shared Objects for the RFID C SDK.
3. Include – C API Include files
4. Unittestapp.elf – C Unit Test App.
5. Docs – C and Java SDK documentation

## Versions

### Version Details

RFID API3 Host JNI DLL	1.4.0.31	\\Windows\System32\RFIDAPI3_JNI_HOST.dll	17- December- 2017
RFID API3 PC DLL	5.5.1.10	\\Windows\System32\RFIDAPI32PC.dll	17- December- 2017

## Device Compatibility

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

Device	Operating System
FX9600	Linux

## Installation Requirements

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

PC:

- Ubuntu 16.04 64 bit
- Centos 6.6 64 bit

## Part Number and Release Date

December 17, 2017