



Open NFC for Android v4.3 - Release Notes

Document Type:	Release Notes
Reference:	REN_NFC_1105-257 Version 0.3 (11568)
Release Date:	Oct. 4, 2011
File Name:	REN_NFC_1105-257 Open NFC for Android v4.3 - Release Notes v0.3.pdf
Security Level:	General Business Use

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Open NFC for Android v4.3 - Release Notes

General Business Use

Page : 3/7

Date : Oct. 4, 2011

Ref. : REN_NFC_1105-257 v0.3(11568)

History

Version	Date	Comments
0.1	May 20, 2011	Release for Open NFC 4.3.0 Beta
0.2	July 19, 2011	Release for Open NFC 4.3.0 r0
0.3	Oct. 4, 2011	Release for Open NFC 4.3.1 r0

Summary of Contents

1	Introduction.....	5
2	Change Log.....	6
2.1	Version 4.3.0 r0	6
2.2	Changes between version 4.3.1 r0 and version 4.3.0 r0.....	6

1 Introduction

This document is the release notes of “Open NFC Android-Edition v4.3.1 r0” relying on the NFC software stack “Open NFC Core Edition v4.3.1 r0”.

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2 Change Log

This section describes differences between the current release and the previous versions of the product.

2.1 Version 4.3.0 r0

Id.	Type	Description
	New feature	Add tag writing : Implements the <code>ndefWrite</code> method inside the AIDL. It does checking for tag presence, tag writing rights. It converts Android API <code>NdefMessage</code> to Open NFC stack <code>NdefMessage</code> . Finally call Open NFC stack to write the converted <code>NdefMessage</code> in the tag
	New feature	Add peer to peer : <ul style="list-style-type: none"> ➔ Create the <code>ClientServer</code> class to establish a P2P connection in client or server mode. It manages the listeners, the link establishment and the peer to peer exchange. It works with a queue of message to send and throws <code>Intent</code> when a message received. It manages threads for peer to peer connection life cycle ➔ Create the <code>ClientServerCache</code> class to manage the cache of actual living peer to peer connection. It initializes the peer to peer connection (<code>ClientServer</code>), manage the memory and give an easy access to each alive connection. ➔ Implements the <code>enableForegroundDispatch</code> and <code>disableForegroundDispatch</code> (Couple for enable/disable to listening of peer to peer message) methods and associated Intent management. ➔ Implements <code>enableForegroundNdefPush</code> and <code>disableForegroundNdefPush</code> (Couple for enable/disable the writing of peer to peer message) methods and associated Intent management.
	New feature	Adding My-D tag support
	New feature	Adding B prime reader support

2.2 Changes between version 4.3.1 r0 and version 4.3.0 r0

Id.	Type	Description
	Resolved Issue	Screen On/Off : Open NFC Service is registering at good time in order to catch <code>ACTION_SCREEN_ON</code> , <code>ACTION_SCREEN_OFF</code> Intent
	Resolved Issue	Connection Handle are well freed
	Resolved Issue	fix the polling too fast when exiting from SCREEN OFF mode
	New Feature	add an entry in menu Wireless Settings / NFC, to clearly indicate the version of our OpenNFC for ANDROID => In log at launch, the version is displayed => In application named : "Settings Open NFC" the text below the title shows the current version
	New Feature	provide an easy way to update a MR Firmware from an SD Card. => The application named "FirmwareUpdate" is updated it follows the rule : * IF there is a SDCARD and at the root of this SDCARD there is a file named "firmware.bin" * THEN this file is used for updating the Firmware * ELSE IF the file "/data/firmware.bin" exists (To put it use the command : "adb <pathToFirmwareToUse> /data/firmware.bin") * THEN this file is used * ELSE Use the embedded resources "e.g. gelato_fw_screen_off"
	New Feature	Bluetooth – Wifi Pairing (Handover)

Open NFC for Android v4.3 - Release Notes

General Business Use

Page : 7/7

Date : Oct. 4, 2011

Ref. : REN_NFC_1105-257 v0.3(11568)

Id.	Type	Description
	New Feature	Add SecurityException in Security Stack : Implementation of SimAlliance interfaces
	New Feature	Testing tools : Unit test and using case
	Resolved Issue	AndroidManifest evolution and bug fix
	Evolution	Be able test ConvertInformationNfc (Class that convert Open NFC stack card information to Android API information) and HelperForNFC (Lot of utilities)
	New Feature	Create unit tests
	Resolved Issue	Redefined timeouts
	Resolved Issue	Remove temporary compiled files from git
	New Feature	Add utilities for have String representation of Android API : NDEF message and NDEF record
	New Feature	Tag writing/reading complete test
	Cleaning	Remove android.smarcard package
	New Feature	Expose the value of ConnectionProperty
	Resolved Issue	Security Stack corrections
	Cleaning	Add comments, packages.html, ... for javadoc.
	New Feature	Register for end of transaction in Secure Element for Android. Intent management. Check the validity of the application that register.
	Resolved Issue	Peer to peer corrections
	New Feature	Multiple AID receive in Secure Element slot management