

# Release Note CLX based NXP NFC Client Driver

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## Document information

Info	Release Note
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Author Role	Developer

## Revision History

Revision	Date	Description	Author
V12.0.6.0	2021/07/30	CLX based NXP NFC Client Driver 21H2(Co)MSFT Certified	Siddaram Khed



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## 1. Document Purpose

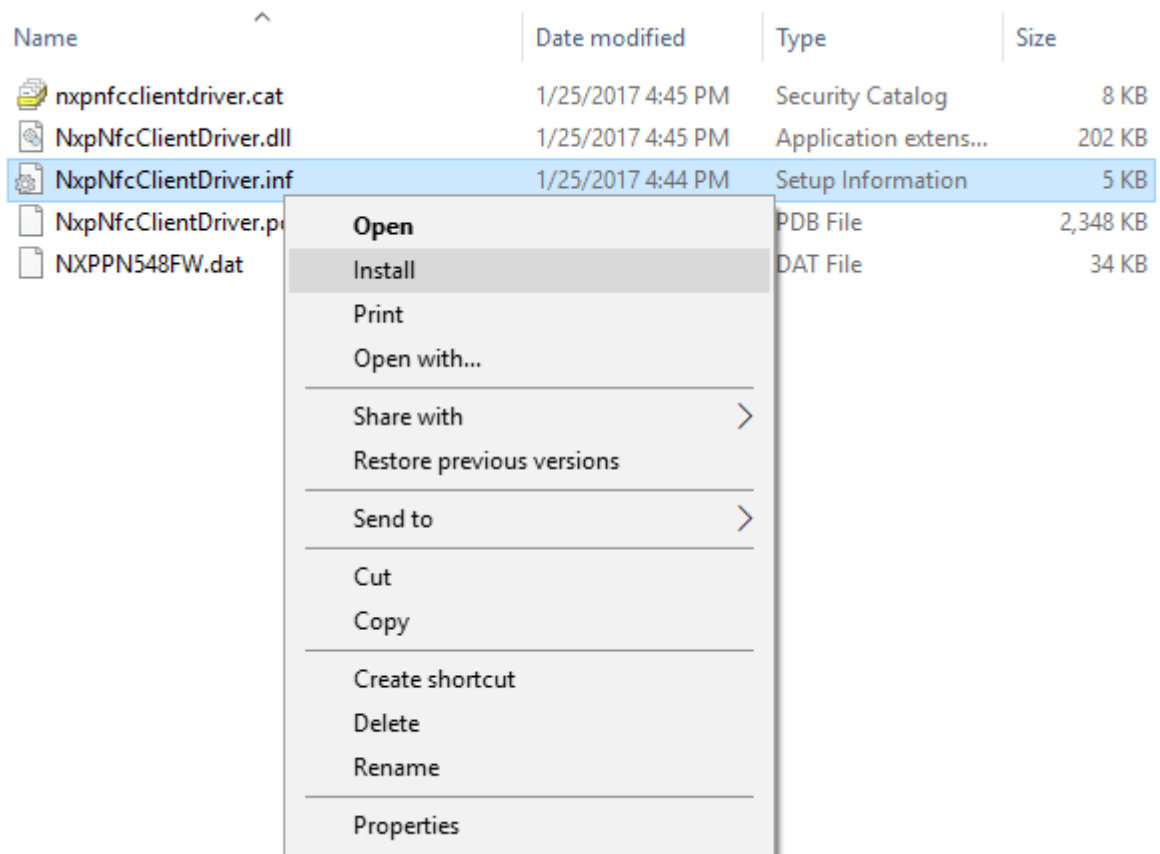
This document is the release note of CLX based NFC Client driver.

## 2. CLX – Client Driver Components

- NFC CLX Binary (NfcCx.dll) is owned & released by MSFT as Inbox (part of OS).
- NXP NFC Client driver pack is owned & released by NXP. (This release).

## 3. Installation Instructions

- Win11 OS version 21H2 (OS Build 22000)
- NXP NFC Client driver version: 12.0.6.0
- NXP NFC Client Driver 12.0.6.0 is Universal and Declarative User Mode Driver
- NXP NFC Client Driver can be installed in either of below 2 ways: -
  - INF Installation: Right click on INF file (NxpNfcClientDriver.inf) file & click Install.



- Update Driver from Device Manager: Right click & select “Update driver” on NFC device node (unknown device with NFC HWID or existing installed driver) & provide NFC Client driver path (where INF file (NxpNfcClientDriver.inf) is present).

**IMP Note:** PC must have Win11 OS version 21H2 (OS Build 22000.xx) to get compatible NFC CLX Binary (NfcCx.dll) as Inbox.

## 4. Known Issues

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None

## 5. Change log

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- NFCC firmware download failure recovery (Force Firmware update)

## 6. New Features

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None

## 7. User Guide

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### • NFCC EEPROM Configuration

NFCC offers several parameters used to configure the system aspects. These System configurations are always written into EEPROM. These configurations are persistent until NFCC firmware download.

These configurations are written in TLV form into EEPROM area.

NFC client driver provides a mechanism by which these configurations can be kept persistent across firmware download.

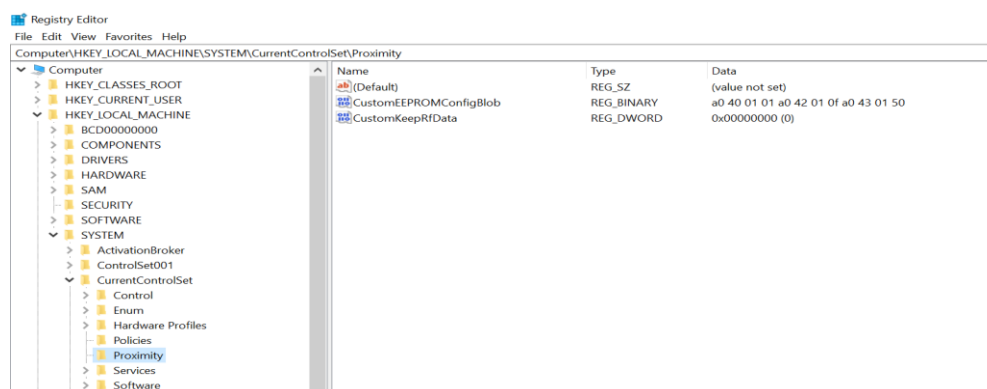
PC OEMs shall create below 2 registry keys at

*Computer\HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Proximity*

CustomEEPROMConfigBlob : EEPROM configurations in TLV form (T1L1V1...TnLnVn)

CustomKeepRfData : 0/1

- 0: Driver applies CustomEEPROMConfigBlob to NFCC
- 1: Driver doesn't apply CustomEEPROMConfigBlob to NFCC
- Example: EEPROM configuration registry keys



- If above 2 keys are not present in registry at driver installation time, NFC client driver creates these registry keys with default value 0.
- In these key values are updated for EEPROM configuration as mentioned above after driver installation, to apply the changes, driver should be disabled-enabled after key value update.