

<http://www.touchatag.com/>

t=0x8ef4d50 [0,0]

Contents: [Dobrica PavlinuÅ;jiÄ 's random unstructured stuff]

- Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (install pcsd)
- Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (build libnfc)
  - ◆ Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (dependencies)
  - ◆ Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (checkout source and compile)
  - ◆ Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (install dpkg packages)
- Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (modify pcsd configuration to recognize all readers)
- Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (restart pcsd)
- Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (test it)
- Dobrica PavlinuÅ;jiÄ 's random unstructured stuff (read Mifare)

## install pcsd

```
sudo apt-get install pcsd
sudo dpkg -i libnfc-read_dev-build-1_i386.deb
sudo ldconfig
```

## build libnfc

### dependencies

```
dpavlin@t61p:/rest/cvs$ sudo apt-get install libpcsclite-dev build-essential autoconf libtool deb
subversion pkg-config libusb-dev
```

### checkout source and compile

```
dpavlin@t61p:/rest/cvs$ git svn clone -s http://libnfc.googlecode.com/svn libnfc
dpavlin@t61p:/rest/cvs$ cd libnfc/
dpavlin@t61p:/rest/cvs/libnfc$ autoreconf --install
dpavlin@t61p:/rest/cvs/libnfc$ sudo ./debian/rules binary
```

## install dpkg packages

```
dpavlin@t61p:/rest/cvs$ sudo dpkg -i libnfc0_1.4.0-0_i386.deb libnfc-bin_1.4.0-0_i386.deb libnfc-
```

# modify pcscd configuration to recognize all readers

```
dpavlin@t61p:~$ diff -urw /etc/libccid_Info.plist.orig /etc/libccid_Info.plist
--- /etc/libccid_Info.plist.orig      2011-01-13 23:05:07.449342958 +0100
+++ /etc/libccid_Info.plist          2011-01-13 23:05:25.624371843 +0100
@@ -52,7 +52,7 @@
     -->
     <key>ifdDriverOptions</key>
-    <string>0x0000</string>
+    <string>0x0004</string>

    <!-- Possible values for ifdDriverOptions
    1: DRIVER_OPTION_CCID_EXCHANGE_AUTHORIZED
```

## restart pcscd

```
sudo /etc/init.d/pcscd restart
```

## test it

with touchatag sticker

```
dpavlin@t61p:~$ nfc-list
nfc-list use libnfc 1.4.0 (r842)
Connected to NFC device: ACS ACR122U PICC Interface 00 00 / ACR122U102 - PN532 v1.4 (0x07)
1 ISO14443A passive target(s) was found:
    ATQA (SENS_RES): 00 44
    UID (NFCID1): 04 cc 6b d9 a1 25 80
    SAK (SEL_RES): 00
```

## read Mifare

```
mfoc -O dump | tee keys.txt
```