NFC Integration for IM

Final Year Project Report Software Guide

DT211
BSc in Computing

Kieron Langdon (C08098891)
Supervisor: Mr Damien Bourke
School of Computing
Dublin Institute of Technology
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Chapter 1

Software Guide

1.1   Installation

To setup and use the software the following prerequisites are required:

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These are also the urls at which the software can be got

Ekiga:
sudo aptitude update; sudo aptitude install ekiga

Hci tools:
https://launchpad.net/ubuntu/lucid/+source/bluez/4.60-0ubuntu8/+files/bluez_4.60.orig.tar.gz

CSipSimple:
http://csipsimple.googlecode.com/files/CSipSimple-0.03-01.apk

Asterisk:
http://downloads.asterisk.org/pub/telephony/asterisk/releases/asterisk-10.2.1.tar.gz

Extra packages for Asterisk:
http://downloads.asterisk.org/pub/telephony/dahdi-linux-complete/releases/dahdi-linux-complete-2.6.0
```

Once the various prerequisites are acquired and setup then the next step is to start with the various components

1.2   Asterisk server

Begin by installing the Asterisk server following the guide in the manual. This is done on a Ubuntu server. Run the test case for connectivity.

1.3   Client PC

Begin by either running the jar file provided (NfcPC.jar) or compile from sources provided. Run the client and follow the steps in the manual for test cases and guide. Enter number of SIP contact and hit call button. To transfer call hit the transfer call button. NOTE you must have Bluetooth running for

this to work. For an incoming call, accept the file,start the client and hit read from file.

1.4 Client Android

Begin by either installing the apk (nfc.apk) or compiling from sources provided. Run the client and follow the steps in the manual for test cases and guide.Run the client and follow the steps in the manual for test cases and guide. Enter number of SIP contact and hit call button. To transfer call hit the transfer call button. NOTE you must have Bluetooth running for this to work. For an incoming call, accept the file,start the client and hit read from file.

1.5 FAQ

Q. I cannot transfer call from device/pc or pc/device
A. Check bluetooth is running and the device/pc or pc/device have been paired!
Q.Whats the domain address?
A. This is the same as the IP of the server on which Asterisk resides!
Q.Does this support video telephony and other codecs e.g. IAX2?
A.Not yet but will in the future!