



Relay attack

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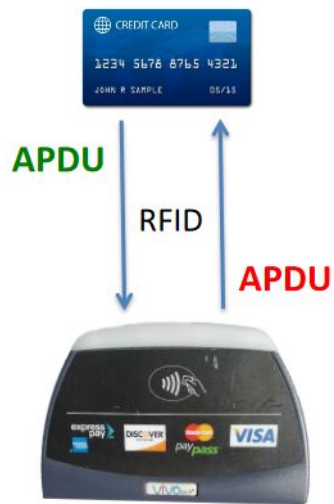
Plan prezentacji

- wstęp
- gotowe rozwiązania
- podobne zagrożenia
- metody obrony
- “eksperyment”

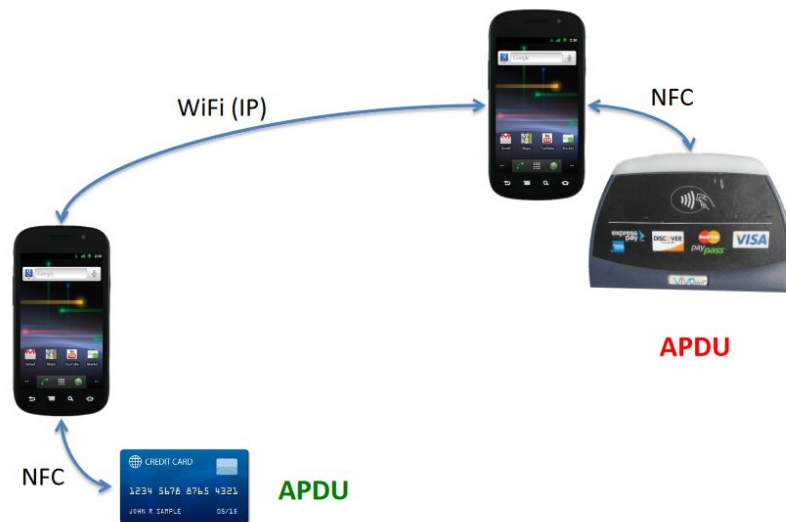
Wstęp

relay - przekazać, retransmitować

normal



relay



Gotowe rozwiązania

- NFCProxy
- RFIDIot
- NFCGate

The image shows two screenshots of GitHub repository pages. The top screenshot is for the NFCProxy repository, showing the 'Files' tab with a table of files and a 'Download Latest Version' button. The bottom screenshot is for the RFIDIot repository, showing the repository overview with statistics and a list of files.

NFCProxy Files

Name	Modified
dependencies-testing	2012-08-16
NFCProxy-0.1.2.apk	2013-02-27
NFCProxy-0.1.1.apk	2012-09-19
NFCProxy-0.1.apk	2012-08-16

Totals: 4 Items

RFIDIot Repository Overview

python RFID / NFC library & tools <http://www.rfidiot.org/>

95 commits 1 branch 0 releases 6 contributors

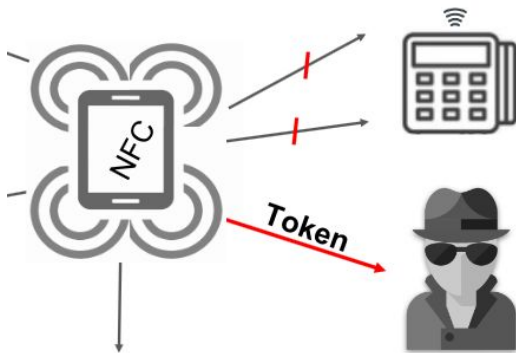
Branch: master New pull request Find File Clone or download

AdamLaurie Merge pull request #34 from doegox/fixes Latest commit 27b212d on 18 Jan

java	add smartcafe globalplatform scripts	7 years ago
rfidiot	Propagate timeout option to libnfc sendAPDU	5 months ago
.gitignore	Add .gitignore	7 years ago

Podobne zagrożenia

- Signal Amplification Relay Attack (SARA) tzw. kradzież na walizke
- replay/playback attack
- tylko dane



Metody obrony

- użytkownik
 - wymiana karty
 - rozwiercenie/nacięcie
 - klatka Faradaya
- producent
 - algorytmy





Eksperyment



Koniec