

main ▾

Branch

Go to file

Code

doegox few fixes bad2112 · 4 months ago

EMV-CAP few fixes 4 months ago

EMV-CAP-test.sh Adding setup.py to f... 14 years ago

EMVCAPcore.py Fix str-&gt;byte in DES c... 4 years ago

EMVCAPfoo.py All authors agreed t... 4 years ago

LICENSE.txt All authors agreed t... 4 years ago

README.md few fixes 4 months ago

envcap-calculators.... add calculators pic 9 years ago

requirements.txt pycrypto incompatib... 4 years ago

setup.py Fix setup.py: license, ... 4 years ago

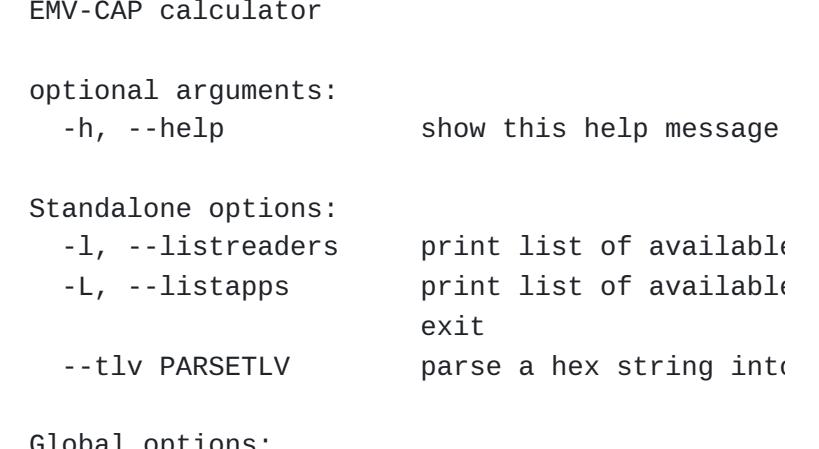
README GPL-3.0 license

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## About

This tool emulates an EMV-CAP device, to illustrate the article ["Banque en ligne : à la découverte d'EMV-CAP"](#) published in MISC, issue #56 and freely available online.

Examples of EMV-CAP calculators:



## Requirements

### Debian

- sudo apt install libpcsclite-dev uv

### Mac OSX

Tested with Yosemite 10.10.5

- brew: see the [Brew homepage](#) on how to install it
- sudo easy\_install pip
- brew install swig
- sudo pip install -r requirements.txt

## Usage

Command line help:

```
$ ./EMV-CAP -h
usage: EMV-CAP [-h] [-l] [-L] [--tlv PARSETLV]
                [-r {<index>, <reader_substring>,
                     --warmreset {auto,yes,no}]
                [N [N ...]]
```

EMV-CAP calculator

optional arguments:

- h, --help show this help message

standalone options:

- l, --listreaders print list of available readers
- L, --listapps print list of available applications
- tlv PARSETLV parse a hex string into TLV

Global options:

- r {<index>, <reader\_substring>}, --reader {<index>, <reader\_substring>} select one specific reader or sub-string of reader to be used.
- d, --debug print exchanged APDU frames
- v, --verbose print APDU parsing

Modes and data:

- m {1,2}, --mode {1,2} M1/M2 mode selection (1 = M1, 2 = M2)
- N number(s) as M1/M2 data and max 10 10-digit numbers
- warmreset {auto,yes,no} Warm reset: yes / no / auto will perform a warm reset (indirect convention)

Examples:

- EMV-CAP --listreaders
- EMV-CAP --listapps
- EMV-CAP --listapps --debug --reader foo:ca
- EMV-CAP -m1 123456
- EMV-CAP -m2
- EMV-CAP -m2 1000 3101234567

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Initial authors:

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- Jean-Pierre Szikora

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Using this software for real financial operations can lead to some risks. Indeed advantage of using a standalone reader is to isolate your banking card from big bad malwares. Using it in a non-secured reader is taking risk that a keylogger intercepts your PIN, a malware accesses to your card informations, or even intercepts your transaction to modify it or operates its own transactions.

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## Links

- [http://connect.ed-diamond.com/MISC/MISC\\_056/Banques-en-ligne-a-la-decouverte-d-EMV-CAP](http://connect.ed-diamond.com/MISC/MISC_056/Banques-en-ligne-a-la-decouverte-d-EMV-CAP)

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Readme

GPL-3.0 license

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## Releases

5 tags

## Packages

No packages published

## Contributors

doegox Philippe Teuwen

craftbyte Anže Jenšterle

h4soft h4soft

## Languages

Python 98.8% Shell 1.2%

- <https://sites.uclouvain.be/EMV-CAP/>
- Alternatives:
  - <https://github.com/russss/python-emv>
  - <https://github.com/davidgfnet/card-cap-authenticator-android>

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