NAME

ATR_analysis – analyse a smart card ATR

SYNOPSIS

ATR_analysis [*ATRstring*]

DESCRIPTION

ATR_analysis is used to parse the ATR (Answer To Reset) sent by a smart card.

The command also tries to find the card model using an ATR database stored in a text file *smartcard_list.txt*.

The *smartcard_list.txt* file is searched in *./*, */usr/local/pcsc/* and */usr/share/pcsc/* directories.

Example:
```
 $ ATR_analysis '3B A7 00 40 18 80 65 A2 08 01 01 52'
 ATR: 3B A7 00 40 18 80 65 A2 08 01 01 52
 + TS = 3B --> Direct Convention
 + T0 = A7, Y(1): 1010, K: 7 (historical bytes)
   TB(1) = 00 --> Programming Param P: 0, I: 0
   TD(1) = 40 --> Y(i+1) = 0100, Protocol T = 0
 -----
   TC(2) = 18 --> Work waiting time: 960 x 24 x (Fi/F)
 + Historical bytes: 80 65 A2 08 01 01 52

 Possibly identified card:
 3B A7 00 40 18 80 65 A2 08 01 01 52
      Gemplus GPK8000
```

BUGS

Maybe many bugs since I am not a ISO 7816 expert.

FILES

smartcard_list.txt

SEE ALSO

pcscd(8), **pcsc_scan**(1)

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