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Historie textových editorů

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Textový editor

Cesta k textovému editoru

Colossal Typewriter

- ▶ DEC PDP-1, 1960
- ▶ MIT
- ▶ John McCarthy, Roland Silver

John McCarthy

- ▶ 1927
- ▶ Turing Award (AI)
- ▶ Lisp (1958)
- ▶ profesor na Stanfordu (>40 let)

Expensive Typewriter

- ▶ DEC PDP-1 (\$100,000),
1961-1962
- ▶ MIT
- ▶ Steve Piner, L Peter Deutsch

L (Laurence) Peter Deutsch

- ▶ Ghostscript
- ▶ Implementace Lisp na PDP-1
- ▶ Práce na Smalltalk
- ▶ 8 RFC

TVEDIT

- ▶ DEC PDP, 1962-1965
- ▶ Stanford
- ▶ Douglas Engelbart
- ▶ CRT

Douglas Engelbart

- ▶ 1925
- ▶ Turing Award, National Medal of Technology, . . .
- ▶ Vynálezce počítačové myši
- ▶ Arpanet - Engelbart lab

National Medal of Technology (45)

- ▶ Metcalfe (ethernet)
- ▶ Holonyak (LED)
- ▶ Thompson & Ritchie (C, UNIX),
- ▶ Bill Gates
- ▶ Grace Murray Hopper (COBOL)
- ▶ Moore
- ▶ Packard (HP)
- ▶ Gordon (D/A, A/D)
- ▶ Jobs & Wozniak

TECO

- ▶ Text Editor and Corrector
- ▶ MIT, 1963, PDP, TOPS-20, ...
- ▶ makra, VTEDIT (1964)
- ▶ doposud v OpenVMS
- ▶ Interpretovaný jazyk pro zpracování textu (turingovsky úplný)

@^UB#@S/{^EQQ,/#@^UC#@S/,^EQQ}/@-1S/{/#
@^UR#.U1ZJQZ\^SC.,.+^-^SXQ-^SDQ1J#@^U9/[
]-+<>.,/<@:-FD/^N^EG9/;>J30000<0@I//>ZJ
ZUL30000J0U10U20U30U60U7@^U4/[]/@^U5#<@
:S/^EG4/U7Q7;-AU3(Q3-91)"=%1|Q1"=.U6ZJ@
i/{/Q2\@i/,/Q6\@i/}/Q6J0;' -1%1 '>#<@:S/[
/UT.U210^T13^TQT;QT"NM5Q2J'>0UP30000J.U
S.UI<(0A-43)"=QPJ0AUTDQT+1@I//QIJ@0/end
'(0A-45)"=QPJ0AUTDQT-1@I//QIJ@0/end/'(
0A-60)"=QP-1UP@0/end/'(0A-62)"=QP+1UP@0
/end/'(0A-46)"=-. +QPA^T(-. +QPA-10)"=13^
T'@0/end/'(0A-44)"=^TUT8^TQPJDQT@I//QIJ
@0/end/'(0A-91)"=-. +QPA"=QI+1UZQLJMRMB\
-1J.UI'@0/end/'(0A-93)"=-. +QPA"NQI+1UZQ
LJMRC\ -1J.UI'@0/end/'!end!QI+1UI(. -Z)"
=. @^a/END/^c^c' C>

QED

- ▶ Quick Editor, 1965-1966
- ▶ Butler Lampson, L Peter Deutch
- ▶ Ken Thompson přepsal pro CTSS + ...
- ▶ (1950, Stephen Cole Kleene - Regular Sets)
- ▶ ... první regexy (CF langs)

ED

- ▶ Ken Thompson, PDP-7
- ▶ v unixu od počátku
- ▶ regexy (reg. langs)
- ▶ sed, grep , awk, perl, em, vi, vim, sam, acme, ...

EX

- ▶ EXtended
- ▶ Bill Joy, 1976
- ▶ později fullscreen → vi

Bill Joy

- ▶ ex, vi
- ▶ csh
- ▶ SUN Microsystems
- ▶ NFS
- ▶ SPARC
- ▶ JAVA

Vi

- ▶ Bill Joy, Mark Horton
- ▶ 1983 v System V
- ▶ POSIX, základní znalost

Vi (2)

- ▶ Klony: nvi, elvis, vile, busybox, vim, e3, ...
- ▶ Emulace: MS Word, MS Outlook, Firefox, Eclipse, Visual Studio, IntelliJ IDEA, JBuilder, Netbeans, TextMate, Emacs (viper-mode)
- ▶ bash, ksh - vi mód

Vim

- ▶ Bram Moolenaar, 1991
- ▶ Vi iMproved
- ▶ modal editing, vimscript, . . .
- ▶ gvim

Emacs

- ▶ Richard Matthew Stallman, 1976
- ▶ rms psal makra do TECO
(* .MAC)
- ▶ Guy L. Steele Jr. + rms přes noc
sjednotili → EMACS

Guy L. Steele Jr.

- ▶ 1955
- ▶ Parallel Lisp
- ▶ SUN (pozval Bill Joy)
- ▶ Java
- ▶ Lambda papers, Lisp
- ▶ Scheme
- ▶ Fortress

- ▶ Emack & Bolio's, MIT, Ice cream, Boston
- ▶ Dave Moon, bolio
- ▶ Emack & Bolio's koan (ice cream koan)

- ▶ editor wars
- ▶ SINE, EINE, ZWEI (\forall Lisp)
- ▶ Gosling - emacs na unixu, 1981, C, Lisp, proprietární

GNU Emacs

- ▶ náhrada za Gosling emacs
- ▶ první program GNU
- ▶ core v C, Emacs Lisp v C
- ▶ od 1.12 drop první jedničky
- ▶ úspěšný
- ▶ email subsystem, 1986, Markus Hess

Markus Hess

- ▶ Němec
- ▶ špión KGB
- ▶ vysledován astronomem Clifford Stoll (Lawrence Berkeley Laboratory)
- ▶ honeypot
- ▶ The Cuckoo's Egg

Forky

- ▶ MicroEmacs (Linus)
- ▶ mg (OpenBSD)
- ▶ zile
- ▶ Yi (Haskell)

emacs pinky

<http://sut.sh.cvut.cz>

<http://martin.kopta.eu/sut>

<http://texteditors.org>

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