Why DOS Was (and Is) a *Thing*

Jim Hall
The FreeDOS Project





UNIX

A History and a Memoir

Brian Kernighan









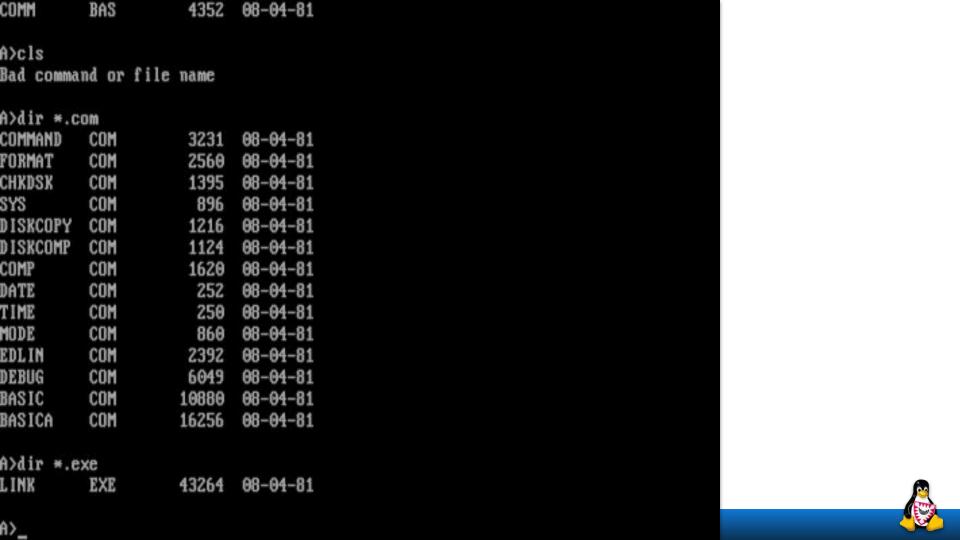








```
CP/M-86 for the IBM Personal Computer.
Version 1.0
Copyright 1982, Digital Research Inc.
Hardware Supported :
                    Diskette(s): 1
                     Printer(s): 1
                 Serial Port(s): 1
                    Memory (Kb): 127
A>dir
A: ASM86
           CMD
               : TOD
                           CMD
                                 COPYDISK CMD
                                                DDT86
                                                          CMD
                                                PROTOCOL CMD
A: ASSIGN
                  NEWDISK
                           CMD
                                 FUNCTION CMD
           CMD
                 SPEED
                           CMD : PIP
                                          CMD
                                                 SUBMIT
A: ED
                                                          CMD
A: HELP
           CMD : HELP
                           HLP : STAT
                                          CMD
                                                GENCMD
                                                          CMD
A>stat
A: RW, Free Space:
                          11k
A>tod
02/10/82
               00:00:09
A>_
              U=00 02/10/82 00:00:12
```



DOS commands (1.x)

COMMAND

BASIC/BASICA

DATE TIME

IIIVIL

FORMAT

SYS

CHKDSK DISKCOMP

DISKCOPY

MODE

DIR

COMP

COPY ERASE

RENAME

TYPE

PAUSE

REM

EDLIN

DEBUG

EXE2BIN (PC DOS 1.1)



DOS commands (2.x)

ASSIGN CD

BACKUP/RESTORE MD/MKDIR RECOVER RD/RMDIR

PATH

BREAK TREE

CTTY

GRAPHICS CLS

PRINT PROMPT

VER

FDISK

VERIFY ECHO VOL EXIT

FOR

FIND GOTO MORE IF SORT SET FC (MS-DOS 2.01) SHIFT



DOS commands (3.x)

ATTRIB

GRAFTABL KEYBxx / KEYB

LABEL SHARE

JOIN (DOS 3.1) SUBST (DOS 3.1) APPEND (MS-DOS 3.2) REPLACE (MS-DOS 3.2) XCOPY (MS-DOS 3.2)

CALL (DOS 3.3) CHCP (DOS 3.3) FASTOPEN (DOS 3.3)

NLSFUNC (DOS 3.3)



DOS commands (4.x)

MEM

TRUENAME



DOS commands (5.x)

DOSKEY

 $EDLIN \rightarrow EDIT$

 $BASIC \rightarrow QBASIC$

HELP

MOUSE (DOS 5.02)

MIRROR UNDELETE UNFORMAT EMM386 LOADFIX

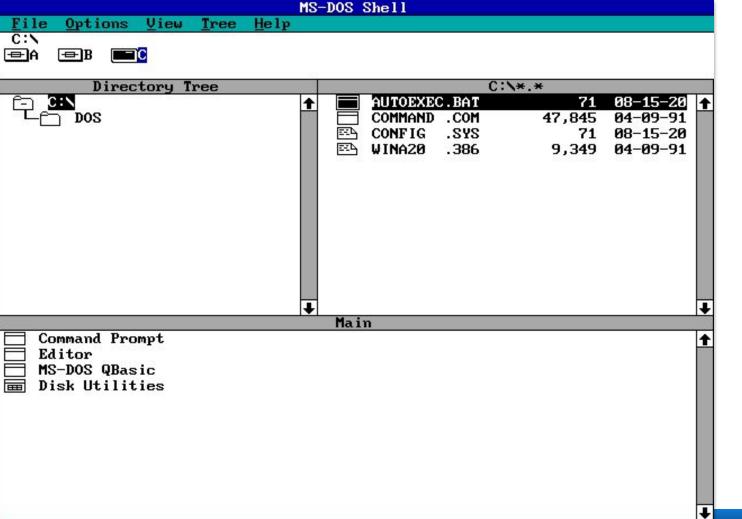
LH/LOADHIGH

SETVER

POWER (DOS 5.02)

INTERSVR/INTERLNK (DOS 5.02)







F10=Actions

DOS commands (6.x)

CHOICE DEFRAG

MOVE DELTREE

MSD MSCDEX

SMARTDRV

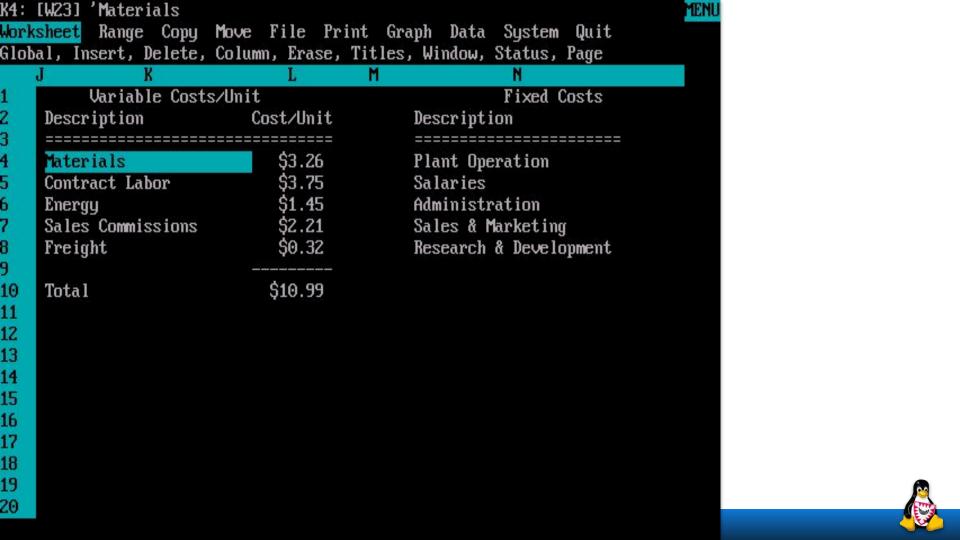
SCANDISK (MS-DOS 6.2)

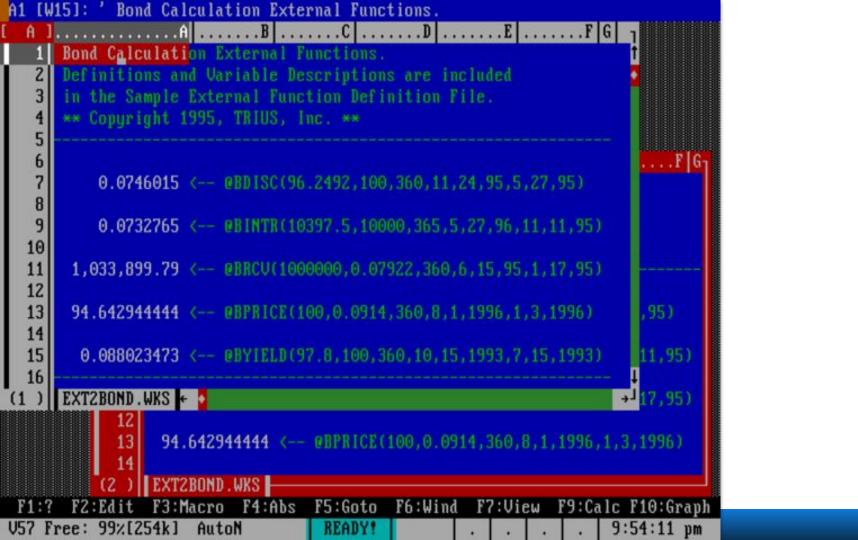


C11	(V) @AVERAGE	(C4C	10)							C 1
	A B		С	D	E	F		G	Н	
1MI 2	S 100									
3Sk	ills: poss:		:		Exams:	poss:	p	ts:		
4	1	5	4.1			1	10	8.8		
5	2	5	4.5			2	10	9.1		
4 5 6 7 8 9	3	5	4.8			3	10	8.2		
7	4	5	4.1			4	10	8.4		
8	5	5	4.2			5	10	8.5		
9	6	5	4.2			6	10	8.6		
10	7	5	4.3			7	10	8.2		
11	8	5 4.	314286	F		8	10	8.542857	*	
12	9	5 4.	344898 >	F		9	10	8.506122	*	
13	10	5 4.	322741 +	f		10	10	8.421283	*	
14	11		254561 +			11		8.452895		
15										
16Re	sume	100	91							
17Sprdsht		100	89							
	t Revw	100	90 +	E						
19			77							
20		465 41	1.1596 8	88 42143	7					
21		103 11	1.1370 (,0.16113	55					

C11









(Press F3 for Help)





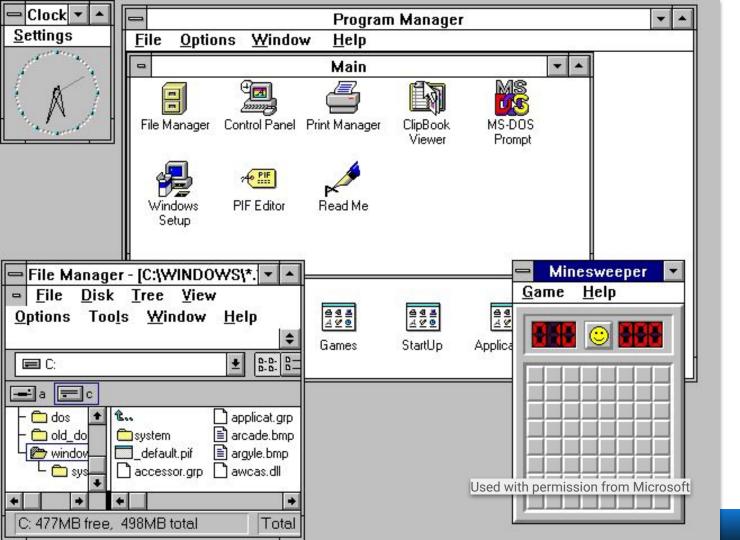


1984



image: Wikipedia







"New Windows!"

"DOS is dead"

The whole design ethos behind Chicago was summed up by Brad Silverberg, the vice president of the Personal Operating Systems Division and team leader. "Let's



us in Redmond, the sign.

face it, PCs aren't that easy to use," he rather wisely observed. "So our aim is to make PCs easier for everyone, not just technically-minded people." There are 40-60 million Windows users worldwide, and the idea is to provide Chicago as a 'no-brainer' upgrade:

you install it over Windows 3.1, you take a day learning the interface, and from then on in it's plain sailing no matter which applications or hardware you install.

Chicago replaces DOS completely. Gone are memory managers, config.sys, autoexec.bat and boot disks. When you turn on the PC, Chicago appears; when you want to turn off, you shut it down, just like a Macintosh. It's fully 32-bit with pre-



Date: 29 Jun 94 00:24:11 -0600 Keywords: public domain DOS

Summary: I'd like to start a PD-DOS project if one not already exists

ANNOUNCEMENT OF PD-DOS PROJECT:

A few months ago, I posted articles relating to starting a public domain version of DOS. The general support for this at the time was strong, and many people agreed with the statement, "start writing!" So, I have...

Announcing the first effort to produce a PD-DOS. I have written up a "manifest" describing the goals of such a project and an outline of the work, as well as a "task list" that shows exactly what needs to be written. I'll post those here, and let discussion follow.

[...]

I am excited about PD-DOS, and I am hoping I can get a group started!

--James Hall James.F.Hall@uwrf.edu



1994 - 2006

Free-DOS Alpha 1 (16 September 1994)

Free-DOS Alpha 2 (December 1994)

Free-DOS Alpha 3 (January 1995)

Free-DOS Alpha 4 (June 1995)

FreeDOS Alpha 5 (10 August 1996)

FreeDOS Alpha 6 (November 1997)

FreeDOS Beta 1 "Orlando" (25 March 1998)

FreeDOS Beta 2 "Marvin" (28 October 1998)

FreeDOS Beta 3 "Ventura" (21 April 1999)

FreeDOS Beta 4 "Lemur" (9 April 2000)

FreeDOS Beta 5 "Lara" (10 August 2000)

FreeDOS Beta 6 "Midnite" (18 March 2001)

FreeDOS Beta 7 "Spears" (7 September 2001)

FreeDOS Beta 8 "Methusalem" (7 April 2002)

FreeDOS Beta 9 RC1 (July 2003)

FreeDOS Beta 9 RC2 (23 August 2003)

FreeDOS Beta 9 RC3 (27 September 2003)

FreeDOS Beta 9 RC4 (5 February 2004)

FreeDOS Beta 9 RC5 (20 March 2004)

FreeDOS Beta 9 (28 September 2004)

FreeDOS Beta 9 SR1 (30 November 2004)

FreeDOS Beta 9 SR2 (30 November 2005)

FreeDOS 1.0 (3 September 2006)



2006 - 2016

FreeDOS 1.0 (3 September 2006)

FreeDOS 1.1 (2 January 2012)

FreeDOS 1.2 RC1 (31 October 2016)

FreeDOS 1.2 RC2 (24 November 2016)

FreeDOS 1.2 (25 December 2016)



Modules us

Installed at PS/2 port

Name

11119	memory	Delow	T LID

Total

SYSTEM	16,784	(16K)	10,480	(10K)	6,304	(6K)
COMMAND	4,064	(4K)	0	(OK)	4,064	(4K)
UDVDZ	2,000	(2K)	0	(OK)	2,000	(2K)
FDAPM	928	(1K)	0	(OK)	928	(1K)
CTMOUSE	3,104	(3K)	0	(OK)	3,104	(3K)
SHSUCDX	11,008	(11K)	0	(OK)	11,008	(11K)
Free	722,144	(705K)	643,552	(628K)	78,592	(77K)
Drives As	signed					
rive Driv	er Unit					
D: FDCD	0001 0					
drive(s)	available.					

Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT

Conventional

Type HELP to get support on commands and navigation.

Welcome to the FreeDOS 1.2 operating system (http://www.freedos.org)

Upper Memory

FreeDOS 1.3

What is "DOS"?

- 16-bit
- single-tasking
- single-user
- command-line
- run on old hardware

Compatibility is key!

What is a "modern DOS"?

- tools
- utilities



More information

www.freedos.org

youtube.com/freedosproject

Jim Hall jhall@freedos.org

