

An Operating System From The Heavens

qembeog

- What is TempleOS?
- Terry A. Davis
- Features and Quirks
- Games (Live Demo)
- Tongues and Oracle (Live Demo)
- Where is it now?

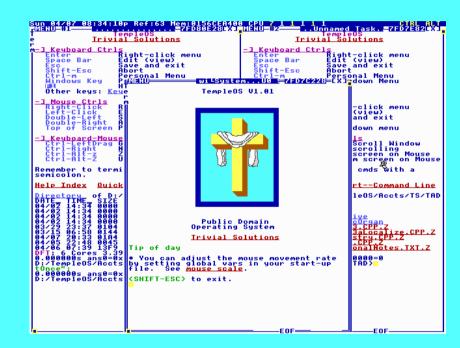
Materials: templeos.jameshurd.net

DISCLAIMER

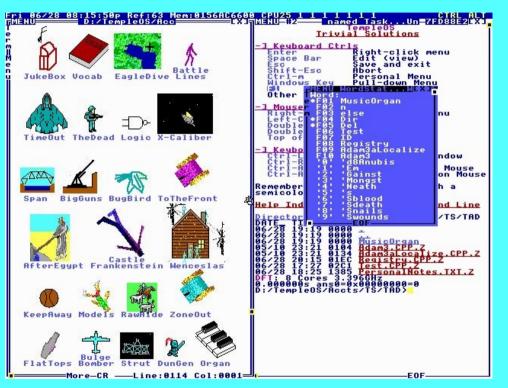
This presentation is not intended to degrade or ridicule the mentally ill. This is also not an endorsement of any of Terry Davis' views: religious, political, or otherwise. During this presentation, my goal is to simply showcase and study his life's work from a technical perspective.

What is TempleOS?

- ·Created by Terry A. Davis.
 - -Maintained: 2005-2017.
- x86_64 bit operating system.
- Public domain.
- ·Designed as a modern-day Commodore 64.
- ·Built as an shrine to God.



TempleOS vs. C64



```
LIST
        MUSICAL SCALE
L = 54272_TO 54296:POKE L,0:NEXT
             -1 THEN END
          ÎĬŎ ĎĂŤĂ ÎĞ,195,18,209,21,31,22,96
120 DATA 25,30,28,49,31,165,33,135
999 DATA -1
READY.
RUN
READY.
RUN
READY.
```

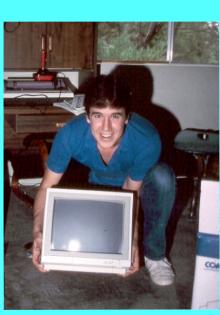
Temple0S

Commodore 64

The Man Behind the Madness

- Terry A. Davis (1969-2018)
- Credentials:
 - MS in Electrical Engineering
 - BS in Computer Engineering
- Programmed VAX Machines at TicketMaster.





God's Lonely Programmer

 In 1996, diagnosed with bipolar disorder and later schizophrenia.

Received a "revelation from God"

during a manic episode.

- J Operating System
 - LoseThos
 - SparrowOS



God's Lonely Programmer

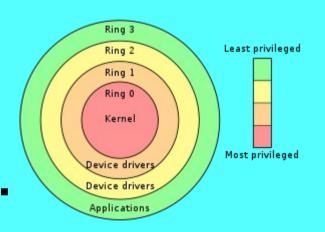
- Terry developed a fear of Aliens and the CIA.
- Finished and released under the name "TempleOS" in 2013.



"God's temple is finished. Now, God kills CIA until it spreads."

What Secrets Await in God's Digital Temple?

- Explicit Instructions From God:
 - 640x480 Resolution
 - 16 Color Graphics
 - Single Voice Audio
- All code runs in ring 0.
- No networking or internet support.



```
Wed 03/30 03:40:44 FPS:29 Mem:0016283E00 CPU 3
                                                                                                                             med Task...Unn=16F61428
(Bopy this file to your /Home directory eand modify it. This version is the rdefault.
                                                                                                                                TempleOS U5.03
                                                                                                            Public Domain Operating System
Cd:Dir:L

Cd("::/Demo"):Dir:L

cd("::/Demo/Graphics"):Dir:L

Cd("::/Demo/Snd"):Dir:L

Cd("::/Demo/Snd"):Dir:L

Cd("::/Demo/DolDoc"):Dir:L

Cd("::/Demo/MultiCore"):Dir:L

Cd("::/Demo/MultiCore"):Dir:L

Cd("::/Demo/Hsm"):Dir:L

Cd("::/Demo/Lor:L

Cd("::/Demo/Lor:L

Cd("::/Demo/Lor:L

Cd("::/Demo/Lor:L

Cd("::/Demo/Lor:L

Cd("::/Demo/Lor:L

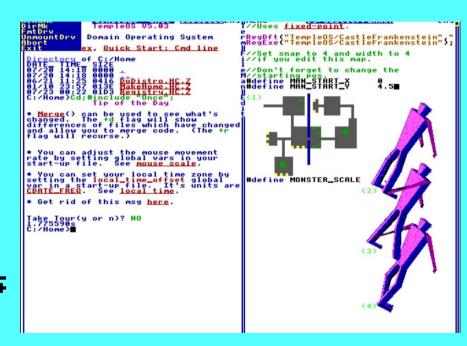
Cd("::/Demo/Lor:L
                                                                                                  Help & Index, Quick Start: Cmd line
                                                                                                 Directory of C:/Home
DATE TIMES SIZE
03/19 22:53 0000 _
03/20 00: MENU Complete...Aut 16E[X] 000/21 11: I AutoComplete is in StandBy
01/10 23:e
03/30 02:r System Keys Quick Guide
                                                                                                                              System Keys Quick Guide
(Morks Everywhere)
(SPACE) Left-Click
(ENTER) Right-Click
                                                                                                  C:/Home>
  Run TOSStdIns() if you wish to use the official staff /Home files.
Cd("::/Demo/AcctExample"):Dir:!
                                                                                                                                                        Help
                                                                                                                                                      Personal Menu
Save & Exit
Abort & Exit
Pull-Down Menu
                                                                                                                             (CTRL-m>
  Make all with BootHDIns().
Cd("::/Kernel"):Dir:L
Cd("::/Compiler"):Dir:L
                                                                                                                                                  Tonques
  The ::/StartOS.HC file is compiled every time you boot.
Cd("::/Adam"):Dir:-
                                                                                                                                       (Works Everywhere)
7> God Word
T-F7> God Passage
                                                                                                                                                   God Song
God Doodle
  Welcome Help & Inde
FastReboot Take Tour
                          Help & Index
                                                           Demo Index
                                                             Кеч Мар
                           Fun Games
                           Black
                                             Flap
   Titanium Diamond
                                              Bat
                         Bomber
   FlatTops
                                        KeepAway RawHide
                          Golf
```

EOF-

=More-WW ----Line:0001 Col:0001------

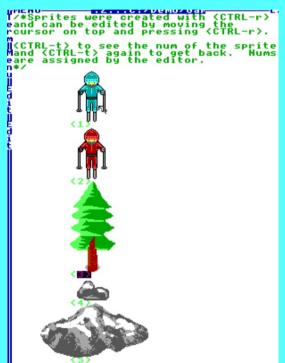
What Secrets Await in God's Digital Temple?

- · HolyC
- RedSea
- Kernel
- Bootloader
- Graphics Library
- Other OS Libraries
- ISO Size: 17MB
- Over 100,000 lines of code.



The DolDoc Text Format

- Embed fun stuff in plain ASCII files!
 - Hyperlinks
 - Shell Macros
 - 3D Meshes
 - Sprites





Other Fun Built-Ins

- Flight Simulator
- Differential Equation Solver
- Full Music Making Suite
- Write Your Own AI



Can You Game?

Tongues and Oracle

 Davis thought himself to be in direct contact with God.

 The OS has a host of ways to speak with God

speak with God.

The Legacy of TempleOS

- Terry Davis:
 - Became homeless late in life.
 - Stopped taking his medication.
 - Passed Away in 2018 (RIP).



The Legacy of TempleOS

- Active Community
- ZenithOS
 - Modern Fork
- Shrine
 - "A TempleOS Distro for heretics."
- Crocodile
 - Discord Client
- Plus much more!

Shrine and ZenithOS

```
ENTER
nnamed Task...≣16888828⊯≭#≡
e~ λ pkg-list
                                                                                            Shrine 5.03
based on TempleOS by Terry A. Davis
mmegaman
mmegaman
|screenfetch
|simplecalc
|templeos-sup1
|templeshell
|uriel
                                                                                                   Public Domain Operating System
                                                                                           Help & Index, Quick Start: Cmd line
                                                                                          Pirectory of C:/Home
DATE IIME SIZE
03/23 00: MMSUL— utocomplete... L69[X]
03/23 00: Tword: Screenfetch
01/26 03:eF01 Screenfetch
01/10 23:r'0. Screenings
  ~ λ pkg-install screenfetch
                                                     Size
                                                                                                                         Screw
  + screenfetch
::/Apps/Screenfetch
                                                                                           C:/Home>
                                                                                                                         Screw-cutting
Screw-driver
                                                                                                                          Screwer
                                                                                                                         Screwing
Scribable
Scribatious
Scribbet
Scribble
  Is this ok? (y/n) y
Downloading screenfetch...
  [nstalling screenfetch
 Installed 1 package(s)
"A /Apps/Screenfetch/S
Screenfetch.HC./S
Shrine128x152.bmp
"A /Apps/Screenfetch/Screenfetch.HC.Z
"A /Screenfetch
                                       singleuser@C:/Home:
                                       OS: Shrine 5.03
Kernel: TempleOS
Uptime: 33m Is
Sackages88
Resolution: 640×480
DE: Not Present
Wm: Default
Palette: Ubuntu
Palette: Ubuntu
CFU: 162078(5)
RM: 162078(5)
```

```
57:17 FPS:31 Mem:01F5531
BX EMAX_SCREEN_HEIGHTJ
@@Ø7:
                           RX, CUBEMode.width[DI]
CUBEModeShort.width[DX], AX
EVBEModeShort.max_pixel_clock[DI]
CUBEModeShort.max_pixel_clock[DX], EAX
                          CUBEModeShort.mode_numEDX], CX
DX, sizeof(CUBEModeShort) //next_array_element
                         Pand cscreen_MioTh;
@06
ESCREEN_HEIGHT]
                          tays ver final mode nomi, cx
                                                                                                                                           VirtualBox VESA BIOS
Onacle Corporation
Onacle Corporation
Onacle UN VirtualBox VBE Adapter
Onacle UN VirtualBox Version 6.0.13
Ii MiB
                           ež, visýs DBE Final Mobienumb
                          CX, [MAX_VBE_MODE]
CX, SUBS_FINAL_MODE_NUM], CX
                                                                                                                 320 × 200
                                                                                                                  640 × 400
                           AX. 0×004F
CCIO //if called failed
                                                                                                                  640 × 480
                                                                                                                  800 × 600
                                                                                                           6 1280 × 1024
                          U32 [SYS_RUN_LEVEL], RLf_VESA
0010
                                                                                                           7 1600 × 1200
                                                                                                          8 1152 × 864
                                                                                                             :/Home/membluskep;
tandard Addresses
EE00000-FEE00FFF See <u>APIC</u>
                          8X; CX
8X; CX
816 [MEM_E881]21, BX
0012:
                                                                                                             BE Linear Framebuffer
0000000-F02FFFFF See UBE Mode
                              , MEM_E820
@@15:
                              X, 0xE820
X, şizeof(CMemE820)
                          ĕĕ:5
SP : 2
SP : 2 //if called failed we want to nullify t
@@20:
                          ERACE to map, start with E801 limit.
ERX,EMEM_E801+2]
EXX,IE
```

Sources and Thanks

- · Websites:
 - templeos.org
 - christine.website
 - wikipedia.org

- YouTube:
 - Fredrik Knudsen
 - SomeOrdinaryGamers
 - Linus Tech Tips

Materials available at: templeos.jameshurd.net Conatct me: jameshurd@ku.edu

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