

FastVirusKiller

COLLABORATORS

	TITLE : FastVirusKiller		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		August 22, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

FastVirusKiller

1.1 Table of Contents

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Version 1.17 February 1998 © Dave Jones

Contents:

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DISCLAIMER:

I am not responsible for any loss of data caused by the use of FastVirusKiller. Although I've tested it on a lot of files. Some viruses can cause damage to some files which is irreparable, there is nothing I can do to fix these files. It is unknown how FastVirusKiller will react to such files.

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## 1.2 Archive Contents

### 1. Archive contents.

The archive containing this guide should also contain -ALL- the following files. If there are files missing, you should get another copy of FastVirusKiller from a different source, as this could be a fake.

FastVirusKiller/

FastVirusKiller/FastVirusKiller Executable.

FastVirusKiller/DC-FVK17.NFO Release Notes.

FastVirusKiller/Documentation/VHT-DK.Txt Advert for VirusHelpTeam

FastVirusKiller/Documentation/FastVirusKiller.Guide This guide.

FastVirusKiller/Documentation/KnownViruses.Guide List of virii FVK detects.

FastVirusKiller/Documentation/History List of changes.

FastVirusKiller/Libs/reqtools.library \shared libraries

FastVirusKiller/Libs/xfdmaster.library /vital for FVK usage.

No additional files may be added, including BBS adverts, FILE\_ID's etc..

## 1.3 Distribution

### 2. Distribution.

Permission is granted for ...

1. You to spread this archive in its unmodified across all electronic storage mediums (Non profit-making BBS's, FTP sites e.t.c...)
2. This program to be included in any PD CD collections, or Magazine coverdisk/subscriber disk as long as..
  - a. I am contacted me first, so that you can ensure you have the latest version!
  - b. I'm sent a copy of the CD/Magazine featuring FastVirusKiller.

However distributed, You must include -ALL- files (Program,Docs, and Icons) in their unmodified form, and no additional material may be included in the archived form.

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## 1.4 Introduction

### 3. Introduction.

Initially, FastVirusKiller (Hereafter called FVK) was written to deal with the BOKOR virus. I then added a few other link-viruses I own, and some bombs, and added newer BOKOR variants. It's now a mini-viruskiller. Slowly, FVK is becoming a complete killer-program. Since v1.10, a GUI is included for the filechecker, as well as background checking. My priorities with regards to updating FVK are initially, to add any new new viruses that may come along, and then when I have no new ones to add, I'll work on adding some old ones, that the other killers already handle. New features with regards to the GUI etc, will be added between versions.

## 1.5 Requirements

### 4. Requirements.

FastVirusKiller needs the following libraries installed in your LIBS:

directory:-

xfdmaster.library

reqtools.library

Latest versions (Maybe newer than the ones in this archive) are available for download from Aminet, or most Amiga ftp sites/BBS.

## 1.6 Usage

### 5. Usage.

FastVirusKiller accepts three arguments.

FILENAME/M/A - Name of file/directory to be checked.

QUIET/S - Means FastVirusKiller doesn't print Decrunching info.

NOSAVE - If a file is disinfected it doesn't save it.

(To be used for test purposes only)

If you don't specify any command line arguments, then the GUI will open.

Currently, there are no WorkBench Tooltypes. These will be added soon.

## 1.7 Notes

### 6. Important notes.

Memory-Scan.

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FVK does a memory scan before it opens any file (Including disk-based libraries) This scan is also aware of many patches that may be hiding viruses, and has been programmed to tunnel 'through' these patches to get back to the original vector. If a virus is found beneath a patch, the Vector will be restored from the address the vector pointed to before infection.

Example:

Loadseg : ROM Vector

PPLoadSeg

«Virus»

SegTracker

FVK will tunnel SegTracker, and find the virus. The original vector is then obtained from the virus (Which in this case will be the address of PPLoadseg), and written to the vector-table. Note, that although SegTracker is still in memory, it will no longer catch files, as the LoadSeg() routine no longer calls it.

OS3 Hunks.

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There are some infections which FastVirusKiller cannot repair. Some viruses mangle the files they infect, as they not aware of OS3 hunks like Short-Reloc tables. If a file containing such a hunk becomes infected, you can bet it's unrepairable. It should be deleted/replaced, as it will have become mangled/truncated during infection. FVK will warn you of such files, but will not attempt to fix them.

XFD Notes.

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Note, that if FVK finds a virus is attached to a crunched file, it removes it, and then uncrunches the buffer and checks if another virus is present, if there is not another virus, the crunched buffer is saved. Most other virus-killers save out unpacked files, which means you have to go and repack them all again ;-(

1.8 To do

9. To do: (In order of likelihood of happening)

- Fix up any existing bugs.
- Add more viruses.
- Add Iconify mode.
- Add remaining windows to GUI.
- Support \$4EB9 linked files.

- Add vector checker. (Similar to VirusZ's but different... ;-)
- Add archive scanning.

Please note, that I am a busy student, and with each passing term it seems I have more and more work to do :- (This unfortunately means I don't always have the time to devote to FVK. If some new virus appears, I usually endeavour to get a fixer released for it ASAP, but if I'm busy with exams or similar, you may have to wait, or rely on some other killer.

It's quite sad, how most anti-virus programmers, just like myself just don't have the time. Who knows, maybe someday one of the regular killers will have a modular approach where 3rd-party anti-virus programmers can write plug-ins for killing latest viruses.

1.9 AboutMe

10. About the Author.

Born : 6th February 1974 -- Which makes me nearly 24 :-)

Occupation : 1st Year HND Software Engineering Student.

I've been developing software on the Amiga since 1990, although a lot of it was never released (Phew..) I was a commercial programmer for a while, but things turned sour, and I turned to Shareware programming.

I'm saddened to say, that through my University course, I'm doing more and more PC programming these days. Maybe by the time I finish, I'll get a job and buy an A-Box / BoXeR or something to continue programming for this great architecture.

Other Amiga releases by me...

BootDate..... Outputs the date as a text string for redirection to Env:BootDate, so you can `Incbin Env:BootDate`.

BorderBlank..... Toggles the area around the screen black / colour 0

FasterForbid..... System speed patch. (Now superseded by SLOS!)

FastWaitBlit..... System speed patch.

FixMFMDDevice..... Fixes benign bug in mfm.device

FMS 3.x..... Virtual Floppy disk on hard disk.

Also I did some work on FMS 5.x by Thomas Omilian

(thomas.omilian@Dortmund.netsurf.de)

HunkGuide..... Documentation of Amiga executable file structures.

MoveVBR..... CPU speed patch.

NoIconBorder..... Removes lines from around icons.

PatchGuide..... AmigaGuide doc with tips for Patch writers.

PointerX..... BusyPointer Hack. Now taken over by Gideon Zenz (gzenz@ixc.net)

PPLib020..... 68020+ Optimised powerpacker.library & PPLoadSeg.
RemCards..... Removes unneeded PCMCIA tasks/resources.
RememberWin..... Patches CloseWindow to Call WindowToFront(ParentWindow)
StreamLineOS2.... Dynamic System speedup patch.
I'm also the official recoder of the following...
BootUte..... System Degrader by Paul Toyne.
KickRom..... Resident resident kickstart softloader by Gideon Zenz.
RTPatch..... Included with the Reqtools distribution.
I'm also involved in the `NitrOS' project.

1.10 Contact

11. Contact addresses.

If you have bug-reports, new viruses/patches, ideas, or want to send me a big bag of money then you can contact me in several ways..

SNAIL:

Dave Jones.
40,Heol Edward Lewis,
Gelligaer,
Hengoed,
Mid Glamorgan,
Cf82 8ej,
South Wales,
United Kingdom.

Include postage if you require a reply. If you are just requesting an update, then I will hold onto your postage until the next release is ready. If you are not residing in the Uk, then just send two extra disks as payment.

EMAIL:

djones2@glam.ac.uk

IRC:

nick : BarC0de

WWW:

<http://www.comp.glam.ac.uk/students/djones2/>

1.11 Messages

12. Messages/Thanks to..

RaMoNsTeR/dC For bug-testing beyond the call of duty, and for the quick supply of the latest viruses.

Jan Andersen/VHT DK For Virus Support, Encouragement and a whole lot more.

Harry "Piru" Sintonen KBVirus, The DirWalker routine, and for some great hours idling on IRC!

Markus Schmall VirusWorkShop, Cool mails, and latest virus news.

Georg Hörmann VirusZ, xfdmaster.library, nice letters, and much more.

Frank Wille For the greatest assembler I've ever used.

Nico Francios Reqtools

Magnus Holmgren Updating reqtools, trusting me with RTPatch updates.

And all others who've supported me with new viruses/patches/cash.

1.12 Technical

Assembled using : PhxAss Macro Assembler v4.38(Alpha)

Copyright 1991-97 by Frank Wille

Source Length : 27595 lines

Time to assemble : 15.89 sec (104197 lines/min)