

**VirusExecutor**

**COLLABORATORS**

	<i>TITLE :</i> VirusExecutor		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		August 26, 2022	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>VirusExecutor</b>	<b>1</b>
1.1	VirusExecutor.guide . . . . .	1
1.2	install . . . . .	2
1.3	copyright note . . . . .	2
1.4	disclaimer . . . . .	2
1.5	system requirements . . . . .	2
1.6	features . . . . .	3
1.7	getting started . . . . .	3
1.8	project . . . . .	4
1.9	file watch . . . . .	7
1.10	show . . . . .	8
1.11	install bootblock . . . . .	9
1.12	bootblock database . . . . .	9
1.13	utilities . . . . .	10
1.14	buttons . . . . .	10
1.15	to do . . . . .	11
1.16	thanks . . . . .	11
1.17	history . . . . .	11
1.18	locale . . . . .	20
1.19	jeo . . . . .	20

---

# Chapter 1

# VirusExecutor

## 1.1 VirusExecutor.guide

1992 © 2003 by  
Jan Erik Olausen

VirusExecutor v2.31

All Rights Reserved

How to install VirusExecutor  
Very easy...

Copyright note  
Pure freeware!

Disclaimer  
Who pays if something goes wrong

System requirements  
C64? ;)

Features  
What features does VirusExecutor have

Getting started  
Easy...

To do  
What is planned in the future

Thanks  
Who has helped, if any

History  
What changed since the last version

Translating a language  
How to translate VE to your language

---

## 1.2 install

HOW TO INSTALL VIRUSEXECUTOR

Just start the VE\_Install program and follow the instructions...  
That's it!

Remember that VirusExecutor MUST be in the VirusExecutor drawer...  
If you download a new version you and runs the new version from ram: etc  
you will get 'VirusExecutor is modified' requester cause it checks the  
VirusExecutor:VirusExecutor file...  
Do not crunch VirusExecutor!

## 1.3 copyright note

-----  
COPYRIGHT NOTE

VirusExecutor is copyrighted 1982 © 2001 by  
Jan Erik Olausen

All rights reserved.

VirusExecutor is FREeware. This program may be freely distributed as long as:

- the executable and documentation remain unchanged and are included  
in the distribution
  
- no other charge is made than to cover time and copying costs

## 1.4 disclaimer

DISCLAIMER  
-----

No warranties of any kind are made as to the functionality of this  
program. You are using it ENTIRE at your own risk.  
VirusExecutor has no known bugs and no Enforcer hits!

## 1.5 system requirements

SYSTEM REQUIREMENTS  
-----

- \* All Amigas with OS 2.04 or higher
  
  - \* xvs.library  
Copyright Georg Hörmann and Alex van Niel  
Included within this archive.  
Used for finding and removing virus.  
VirusExecutor will not run without it.
-

- \* xfdmaster.library  
Copyright Georg Hörmann and Dirk Stöcker.  
Not included within this archive.  
Used for decrunching crunched files.  
VirusExecutor can also run without this library, but then you can't check crunched files for virus.
- \* xadmaster.library  
Copyright Dirk Stöcker.  
Not included within this archive.  
Used for extracting archives  
VirusExecutor can also run without this library, but then you can't extract and check archives for virus.
- \* reqtools.library v38.11 or higher  
Copyright Nico François.  
Not included within this archive.  
Used for requesters.  
VirusExecutor will not run without it.
- \* disassembler.library  
Copyright The MMU.lib development group, THOR.  
Not included within this archive.  
Used for disassembling memory of patches.  
VirusExecutor can also run without this library, but then you can only show memory by HEX or ASCII.

## 1.6 features

### FEATURES

-----

VirusExecutor (VE) is a virus killer that's meant to be easy to use. There's no 'advanced' options in the program that you almost never use anyway. This doesn't mean that VE is in the lack of power!

- \* Easy to use (hopefully) ;)
- \* Checks and download new versions of important files from Aminet
- \* Automatically analyzes an unknown bootblock. Detects 99% of any new virus.
- \* Bootblock database for recording of utilities boots, loaders etc.
- \* Checks files inside archives (multiple)
- \* Checks memory every 3 seconds for viruses
- \* 'File watch' feature using MD5 128 bits security
- \* A huge patch brain with over 2.000 known patch entries
- \* Locale support
- \* SegTracker support
- \* disassembler.library support

## 1.7 getting started

---

## GETTING STARTED

-----  
Try it out and ask me if there's something that you don't understand...  
This guide is very simple. I will write a better one later...

## STARTING

\*\*\*\*\*

When you start VE you will see some information about VE. Versions of the libraries that VE use, how many bootblocks/files VE has checked etc.  
Press "Ok" to continue.

Next, the memory check windows will appear.

Next, VE loads the bootblock database, if any.

If you start VE for the first time, a prefs window will pop up.

## BOOTBLOCK CHECKING

\*\*\*\*\*

Every time you insert a floppy disk into any drive, VE will check and display the bootblock from that disk.

A star (\*) after the text DF0: - DF3: shows the bootblock which are currently displayed on the screen.

Comment: Here you can install a standard AmigaDOS bootblock or a bootblock from the database.

## MENUS

\*\*\*\*\*

Project

File watch

Show

Install

Bootblock database

Utilities

## BUTTONS

\*\*\*\*\*

Click me

## 1.8 project

The 'Project' menu

\*\*\*\*\*

#### About

This opens a window viewing all important information like external libraries in use, PatchBrain version etc...

#### Prefs

A new window is popping up where you can select some flags...  
Press the 'Esc'-key to quit and save the new preferences.

#### Decrunch files

-----

If selected, VE will decrunch all crunched files supported by the xfdmaster.library. If you don't have this library this box is ghosted. The latest xfdmaster.library is found on aminet. Just search for xfdmaster.lha

#### Overwrite crunched files

-----

If selected, VE automatically rewrites the decrunched file buffer over the original crunched file... This is useful if you have a lot of crunched, files but really don't want them to be crunched.  
VE asks just ONE time if you want to preform this operation if a crunched file is found.  
If you check non-writable devices, like CD-ROMs etc, VE turns off this selection during this check and turns it back on next time you do a file scan on a writable device.

#### Skip encrypted files

-----

If selected, VE skips all encrypted files...  
Those are files that requires a password to run.  
If not selected you have to enter the right password in order to check encrypted files.

#### Check data files

-----

If selected, VE checks all no-executable files as well.  
You should only have this flag selected once in a while just to check all data files.

#### Extract LHA, LZX, ZIP

-----

When selected, VE unpacks all #?.LHA|LZX|ZIP files and check inside them.  
If a virus is found, you have to unpack this file after the check and do a new file check in order to remove the virus.

VE don't check archives in an archive! I will try to fix this later...  
You MUST have the LHA, LZX and the UnZip programs located your C: directory.

#### Skip files older than [] day(s)

-----

If selected, VE don't check files that are older than # days.  
You also have to specify how many days to skip.  
0 = Only checks files that is new to the device TODAY.

#### Fast file checking

-----

If selected, all text output and some false xfdmaster.library errors are

---

disabled. It also turns off memory checking,  
Checking my SYS: partition  
Fast file checking off: 0:04:32  
Fast file checking on: 0:03:09

Write to log file

-----

Here you can activate and choose which directory VE saves the log

Iconify at startup

-----

Just as it says

#### Memory check

Some window pops up telling some useful stuff!

##### 1. window (Memory check)

First a window pops up showing information about the kickstart version and ROMUpdates. If there is a known virus in memory VE will tell you so.

##### 2. window (Vector check)

Here VE tells you which program that are using the vectors for resident code etc.

List KickTagPtr: Shows programs using the KickTag pointer. Most of the programs listed here survives a warm reboot.

List KickMemPtr: Shows programs using the KickMem pointer. These programs don't survive a warm reboot.

Restore Vectors: Resets all vectors/residents files in memory. All programs are still working in memory, but will not survive a warm reboot. If VE can't restore these vectors it might be a virus fooling around, and VE asks you if you want to do a CoolReboot.

##### 3. window (CPU Interrupts Vectors)

Just shows the status of the CPU interrupts vectors.

##### 4. window (Exec Interrupts Vectors)

Just shows the status of the exec interrupts vectors.

##### 5. window (Device/library Vectors)

Here you can see what function that is patched by a number of programs. If you click a function a new window will pop up showing an Hex/ASCII view from that address. VE knows a lot of programs that patches the system using the PatchBrain file (VirusExecutor.patches). For now the PatchBrain recognize over 2.000 patches from over 250 programs. And the PatchBrain will be updated a lot so be sure to check AmiNet or the Virus Help Denmark's homepage to see if any new brain is released.

You can mouse click one of the patches to bring up the 'Memory monitor'.

Here are the short-keys used by the monitor:

-----

Arrow Up/Down:	One line up/down
Numeric 8/2:	One line up/down
Arrow Left/Right:	Page up/down
Numeric 9/3:	Page up/down
Numeric 7:	Home

Help:                   Switch between address/offset listing  
Esc:                    Quits the memory monitor

#### ColdReboot

NOTE! All external memory and peripherals will be RESET!  
And the machine will start its power up diagnostics.

#### File check

A file requester pops up and you can select which device/drawer you want to be checked using the options from the prefs settings.  
During file checking you can press the 'Esc'-key to pause/abort this check.  
I will explain more later...

#### Sector check

Checks for virus within the sectors of a floppy disk.  
Not fully tested. Use it on your own risk!

#### Select screen mode

Here you can select your own screen mode.  
I will explain more later...

#### Quit

This will quit VE and save the prefs settings.

## 1.9 file watch

The 'File watch' menu  
\*\*\*\*\*

#### Check now

Goes through all the files that you have added to the file watch data base and check if there's a differens in the file size. If the file size has not changed it checks the MD5-128 checksum...

If there's a differens, a requester pops up asking you if you want to save these changes. If the file C:Dir has changed and you are 100% sure that you haven't replaced it with a newer version etc, it might be a virus somewhere. If a lot of files has changed you are probably infected!  
Please do a file scan of that dir and send some of the changed files to me if the file scan couldn't help you out.

Pressing the Esc-key aborts the file watch checking

#### NOTE

A requester pops up if a file that is in the data base has been deleted from your system so you can remove it from the file watch data base.

#### Add a directory

Add files from a directory to the file watch data base.

A small window pops up:

'Include data files'

Select this flag If you want to include data files.

---

'Include icons (.info)'

Select this flag if you want to add icons to the file watch.  
Only available when 'Include data files' is checked.

'Confirm every file'

Select this flag if you want to manually confirm which files that should be added to the file watch data base.

'Add'

Choose a directory to add files from using the file requester.  
You can use assigns as they will be converted to their original path in the data base  
After selecting a directory the files will be added to the data base using the flag settings above.

'Done'

Closes this window.

#### Add/update startup files

Scans the s:startup-sequence and s:user-startup script for files and adding them to the file watch data base. Files in the WBStartUp directory will also be added.

#### Remove files

A window with all files added to the file watch data base opens and you can just click the file you want to remove from the data base.

## 1.10 show

The 'Show' menu  
\*\*\*\*\*

#### Bootblock virus

All boot block virus known by the xvs.library will be listed.

#### Link virus

All link virus known by the xvs.library will be listed.

#### File virus

All file virus known by the xvs.library will be listed.

#### Tasks

All tasks (programs) running will be listed.

#### Libraries

All libraries in memory will be listed.

---

## Devices

All devices in memory will be listed.

## Patches

All patches known by VirusExecutors patch brain will be listed.

## 1.11 install bootblock

The 'Install' menu  
\*\*\*\*\*

DF0: - DF3:

Install a bootblock to the drive DFx:

Select type of bootblock or a bootblock from the bootblock database and click the 'Install' button.

## 1.12 bootblock database

The 'Bootblock database' menu  
\*\*\*\*\*

### Record

Records a bootblock from any drive to the bootblock data base.

### View

A window pops up and you can click a recorded bootblock to view. Press the close window button to exit.

### Edit name

If you want to change the name of a recorded bootblock this might help you out.

### Merge

Merges another bootblock data base to your own data base.

### Delete one

Deletes a recorded bootblock from the bootblock data base.

### Delete all

Clears the entire bootblock data base.

### Save

If changes has been made this will save the bootblock database.

## 1.13 utilities

The 'Utilities' menu  
\*\*\*\*\*

### Rename pictures

Just choose one image and VirusExecutor does the renaming for you...

Examples:

Image0 -> Image.00000  
Image1 -> Image.00001  
Image03 -> Image.00003  
Image15 -> Image.00015

### Convert IBN/IBM/IBMM to ISO

Converts a PC ASCII text file to plain Amiga text

### Save ROM to file

Writes the entire ROM that you are using, and saves it as a file.  
You can then use this ROM file with Amiga emulators on other platforms etc.

### Update files

When you are on internet you can use this option to get the latest versions of the following:

VirusExecutor main archive, VirusExecutors patch brain, xvs.library, xfdmaster.library and xadmaster.library

Just select the nearest Aminet site, and if a newer version is available you can download the file from VirusExecutor. Note that the VirusExecutor download files to RAM:

## 1.14 buttons

### KEYS

----

- \* Esc - Pauses file/watch checking and asks if you want to abort...
- \* Numeric 0-3 - Shows bootblock of that drive if you have more than one drive on your system.
- \* F5 - Quits VE. Next time you start VE it will use the WB-screen... This will be added to the prefs window later.

## 1.15 to do

TO DO

-----

- \* Better docs
- \* Better prefs

## 1.16 thanks

THANKS

-----

Many thanks to following persons which helped to improve VirusExecutor:

Jan Andersen for sending me new virus

Georg Hörmann and Alex van Niel for the xvs.library  
Georg Hörmann and Dirk Stöcker for the xfdmaster.library  
Dirk Stöcker for the xadmaster.library  
Nico Françies for the reqtools.library

And thanks to all who  
translated  
VirusExecutor...

The BETA testing crew:

-----

Philip Bang, Vegar Pedersen, Robert Westad, Roar Syversen, Trond Larsen,  
Jørn Tillnes, Rune Mindresunde, Jan Tore Sandvik, Jan Andersen,  
Allan Sander, Anthony Becker, Brad Rogers, Craig Daines, David Rey,  
Karlsson Mattias, Michael Jaccoud, Mike Leavitt, Orhun Kabakli,  
Paul Qureshi, Peter Thor, Trevor Gardiner, Robert Habkirk, Shane Cracknell,  
Shane Ponting, Srdjan Petrik, Benny Pedersen and Harry Sintonen

Special thanks to Michaela Prüß for her major beta testing of v2.01  
and to Harry Sintonen for all his help! :)

## 1.17 history

HISTORY

-----

- 2.31 - Removed requesters when checking from Shell...  
Thanks to Matthias Scheler.
  - Fixed bug when detecting custom chips...  
Thanks to Charlene.
  - Forgot to remove som debugging output...  
Thanks to Michel 'DMX' Bagmeijer.
  - Fixed bug if you try to use an old PatchBrain file...
  - You can now choose which volume to check on 'Check ALL valid volumes'  
Thanks to Michel 'DMX' Bagmeijer.
  - New catalog: nederlands by Michel 'DMX' Bagmeijer
-

- Updated catalogs: français by Herve and polski by Wojciech Pasiecznik
- 2.30 - Added xadmaster.library to 'Update files'...
- 2.29 - Added SegTracker support in 'Memory monitor'.  
- Fixed bug: Checking files from Shell with arguments works again.  
- You can now check single files with VE from Shell.  
- Added internal patch check for asl.library v40.6/44.16  
- Improved the 'Update files' function a lot.. Please try it out...  
PS! xadmaster.library is not supported with this LiveUpdate, but will be very soon...
- 2.28 - Fixed bug: Removed some text output when 'Fast file checking' is set.  
- Fixed bug: In patch view window the offset was not right if no FD:  
- Fixed bug: Forgot to stop on one xadmaster.library error.  
The result was an Enforcer hit.  
- Optimized file checking a bit.  
- The error requester for xadmaster.library now shows the archive type.  
- Moved KickTagPtr/KickMemPtr patches to the PatchBrain.  
Also fixed serious bug/crash from v2.25 if there was an unknown kicktag.  
Thanks to Andreas Balke for reporting this bug.
- 2.28 - Fixed bug: Removed some text output when 'Fast file checking' is set.  
- Fixed bug: In patch view window the offset was not right if no FD:  
- Fixed bug: Forgot to stop on one xadmaster.library error.  
The result was an Enforcer hit.  
- Optimized file checking a bit.  
- The error requester for xadmaster.library now shows the archive type.  
- Moved KickTagPtr/KickMemPtr patches to the PatchBrain.  
Also fixed serious bug/crash from v2.25 if there was an unknown kicktag.  
Thanks to Andreas Balke for reporting this bug.
- 2.27 - Fixed bug: File checking eats memory.  
- Fixed bug: Got error on some crunched data files.  
- Fixed bug: Some error requesters of non archived files was wrong.  
- Fixed bug: In some cases the file status text was out of line.  
- Fixed bug: When 'Memory monitor' was set to other than HEX dump.
- 2.26 - Fixed bug: Sometimes xfdmaster.library detects StoneCracker 4.04 cruncher wrong. Should fix the problem with the AmiGameBoy.key error.  
- Added internal sound player.  
- Fixed 'Unsupported hunk type'-bug when decrunching some files...  
Thanks to Dirk Stöcker for finding the bug.  
- Improved usage of the xadmaster.library.  
- Some ASCII files are detected by the xfdmaster.library as crunchers.  
Fixed.  
- Added function to check ALL valid volumes in one go.  
See the 'Project'-meny.  
Thanks to Harry Sintonen for the GetVolData() source.  
- Checking data files are much faster now.  
- Cleaned up the log output a bit and added some more to it.  
- You can now see all output when checking files on a smaller screen...  
(283 or higher)  
- Moved CPU/Exec-interrupts to the patch window (2 windows are gone now)  
And tha patches are moved to the PatchBrain.  
I had to redo the checking so you might have unknown patches there that was ok before... Please let me know and I'll update the brain.
-

- Fixed bug: Internal asl.library v42.0 checking.
  - Fixed bug: When 'Check data files'-flag is on and 'Extract archives'-flag is off, VE loaded the whole archive as a data file.
  - Fixed bug: Stupid requester asking for FD: if you don't have it.
  - Fixed bug: Disassemble output (Memory monitor) was not always right.
  - Checking patches are now MUCH faster on slow Amigas!
  - Improved internal patch checking...
  - Added internal recog for asl.library v39
  - Fixed some memory leaks when loading FD: files.
  - Added file name output if 'Fast file-checking'-flag is active.
  - VE now remembers the 'Memory monitor' setting.
- 2.25
- Added reqtools.library patch by Zeeball.
  - Added recog to Cyb-BootPrefs0 in KickTagPtr.
  - You can now choose where VE is writing the log file.
  - VE is now using disassembler.library for the memory monitor. Can be found on aminet: util/libs/DisLib.lha
  - Added asl.library v42.0
  - Fixed hit when trying to read memory name from some Blizzard cards. Thanks to Mark "AxE" Ricketts for finding the hit and to Harry Sintonen for the info about the Blizzard bug.
  - VE will only run on 68020+ machines and are optimized for that. The reason is that most of the patch checking are at odd addresses.
  - Added my PGP signature with VirusExecutor.
  - Removed internal library function names. VE is getting the function names from #?.fd files that should be located in a FD: drawer.
  - Changed shortcut to H for Iconify.
  - Fixed bug in the text output when running VE on Workbench with a non topaz8 font.
  - Added support for SegTracker if installed.
  - Added check for DMS bootblocks and text.
  - 'File watch' is now 'File integrity'.
  - Added recog for Al200\_HDPatch
- 2.24
- Minor update. Forgot to remove some debugging...
- 2.23
- Added asl.library and reqtools.library to the patch watch.
  - Added more commands to the memory monitor and fixed some bugs.
  - Fixed 'Modified' message when starting VE outside the current directory. Thanks to Charlene for finding this bug.
  - Renamed execPrivate functions. Thanks to Harry Sintonen for the info.
  - Unknown patches are now highlighted. Thanks to Andrew Boyarintsev for this tip.
  - Checking updates from aminet (US) fixed.
  - Improved patch checking... Should work with OS 3.9 (BB2).
  - Added MD5-128 bit checksum checking for BB2 exec.library.
  - Fixed bug, when saving KickStart to file under BB2.
  - VirusExecutor.patches has been renamed to VirusExecutor.PatchBrain!
  - Removed all sound. This is because VE used external programs to produce the sound... Not very clever if those programs was infected.. In the future I will add internal sound support.
  - Added MuMove4K right.
  - Fixed bug in CPU Int. and Exec Int. ValidMem was not doing the job.
  - Thanks to Harry Sintonen for the new GetVBR code and help.
  - exec.library now shows the right function name under MorphOS. Thanks to Harry Sintonen for the info.
-

- Added recog for AHI (paula.device) to audio 0 ch. Thanks to Harry again.
  - Fixed bug when 'Converting IBM...' to Amiga and 'Rename pictures'
  - Changed CRC-32 to MD5-128 checking (FileWatch).  
Thanks to Harry Sintonen for this tip.
  - Fixed Enforcer hit when deleting from File Watch.
  - Fixed hits/crash when running VE under MorphOS.  
Thanks to Harry Sintonen for the info about lib\_NegSize under MorphOS  
There's still some bugs to be fixed while running MorphOS...
  - Fixed small bug in memory area name (Memory monitor).
- 2.22
- Fixed bug when renaming VirusExecutor. No more modified error.
  - If you have unknown patches, the patch window pops up twice at startup. Fixed.
  - If you have an unknown patch and then run a program with a known patch, the patch window pops up with the same unknown patches. No need for that. Fixed.
  - Got some complaint about the flashy check box around the clock when checking memory/patches. Fixed.
  - Added "real" name to Shell programs in 'Show tasks'.  
Thanks to Harry Sintonen for the code.
  - Fixed bug in dos.library LVO-names.
  - Added czech catalog. Thanks to Roman Brychta.
  - Fixed small bug in the install script.
  - Added 'Write to log file'-flag to the preferences.
  - Added an Iconify option to the project meny. See also the preferences if you want to iconify at startup.
  - Fixed Enforcer hit when KickTagPtr was zero.  
Thanks to Joerg Riemer for finding this hit.
  - Added recog for hidden executable files inside installer scripts.
  - Added hunk structure check of VirusExecutor.
  - Fixed hit in the memory monitor when RAM has no name.  
Thanks to Harry Sintonen for finding this hit.
  - If the xvs.library somehow has been disabled, VE will tell you so.  
Thanks to Zeeball for this tip.
- 2.21
- Fixed font problem in the memory monitor.
  - Fixed some gfx out of range when using VE on a Workbench screen with a display width < 645.
  - Starting to write a disassemble function in the memory monitor.  
It don't know all the commands yet, but it will ;)
  - You can now use the arrow keys or the numeric key pad to scroll in the monitor window.
  - Added 'Show data virus' to the menu. Requires xvs.library v33.34+
- 2.20
- VE doesn't need the VirusExecutor: assign anymore, so you can delete some lines in s:user-startup.  

IMPORTANT!

All files that comes with VE must be in the same directory where the main program are located! (Not libraries and catalogs).
  - Recoded 'View patch memory'... It's quite similar to the memory monitor in VirusZ.
  - Thanks to Harry, VE do get the right opcodes when checking for patched functions.
  - Added decoding of 4 shell-scripts.  
The DKG-Blum and Jode Capullos virus was hiding in such scripts.
  - Fixed some 'out of address' bugs while checking memory.
  - Added AHI device channel 0 right.
-

- Fixed small bug in the vector check window, that could cause strange characters to be displayed.
- Fixed bug when removing a deleted file from the watch list.
- Added close gadget to the prefs window.
- Added 'Fast file checking' to the prefs window. Activating this flag will disable all text output, memory checking and some error messages during file checking...
- When the 'Skip encrypted files'-flag are set, encrypted archives are also skipped.
- Added LVO names to device functions.
- Fixed text out of range bug when viewing memory.
- Fixed Enforcer hit in 'View KickMemPtr/KickMemPtr'.
- When VE is infected with a virus it says it is modified and quits. Stupid, cause when a virus is around, VE should not quit! Fixed.
- Added powerpc.library recog to 'Soft Int'
- Added COP to memory recog.

Thanks to Harry Sintonen and Joerg Riemer for reporting bugs/hits and for all suggestions and help...

- 2.19
    - Added MuMove4K right!
    - Removed library version check for xadmaster.library.
    - Added Amiga OS Update IDE\_scsidisk right...
    - Removed all internal virus checking as they are added in xvs.library v33.25
    - Fixed bug when running on kickstart lower than 3.0
    - Thanks to Jan Andersen for telling me...
  - 2.18
    - Forgot to open window big enough for file check output from WB.
    - Fixed Enforcer error if VirusExecutor was modified.
    - Removed some debugging code.
    - Fixed bug when checking for Zakahackandpatch TCP Trojan virus. Should be able to recognize this virus again now... Seems that i line in the sources was deleted by my mistake :(
    - Added LoadModule to mem check
  - 2.17
    - Added virus: Bastard Installer and Bastard Install Script
    - Improved hunk stripping while checking files...
    - Fixed some bugs in the bootblock data base load/save/merge
    - Fixed bug when bootblock checking text was to long.
  - 2.16
    - VE can now check for archives in archives in archives ...
    - Improved hunk checking when checking for Bobek virus.
    - Rewritten the whole file check routine.
    - Fixed bug if file time checking is more than 1 hour.
    - Fixed bug from v2.13 that "freeze" the machine while decrunching or extracting archives... Should also take care of the mouse "freeze" while checking for memory.
    - Some small improvements.
  - 2.15
    - Added internal removal of the new Bobek link virus
    - Improved error output from xadmaster.library when checking archives.
    - Requiers xadmaster.library v9.0 instead of v10.0
  - 2.14
    - Fixed enforcer hit when adding files from SYS:WBStartup
    - When Enforcer or CyberGuard is running the MMU: text turns blue.
-

- Using xadmaster.library for extracting archives.
  - Improved Bastard file checking a bit
  - Added memory checking and file checking for Bobek link virus  
Please wait for a new update of the xvs.library for removals of the Bastard and Bobek virus...
  - Shows only the diskdrives that you have.
  - Removed the requester 'VirusExecutor is allready running'  
When starting VE when VE is allready running the screen just come to front and get active.
- 2.13
- At last, fixed the font problem when running VirusExecutor from Workbench... Please let me know if there still are font problems.
  - Added some mem pointers for OXYRON Patcher v3.13 and CyberGuard
  - Fixed \$VER: string.
  - When checking a lot of archives a file called T:VEpfh become quite big. Fixed.
  - Bug when pressing the 'Esc'-key more than one time during the file checking is fixed.
  - When pressing stop if a linked virus is found wouldn't stop. Fixed.
  - Fixed xvs.library and xfdmaster.library check at startup.
  - Starting VirusExecutor without the assign caused membugs. Fixed.
  - Fixed Enforcer hit when checking memory...
- 2.12
- Renamed the new TeamMOS TCP Trojan to Zakahackandpatch and fixed small bug in the decrypting code...
  - Added 'Bastard' link virus...  
Thanks to Zbigniew Trzcionkowski for the great analyzes of this virus... I'm using his code to disable it from memory...
- 2.11
- Forgot to remove 'TeamMOS HPA TCP Trojan' from memory...
- 2.10
- Saves the VirusExecutor.prefs fil to VirusExecutor:  
The old prefs fil in the S: dir will be deleted by VE...
  - Added BootControl v2.1 to memcheck
  - Added internal check for the new 'TeamMOS HPA TCP Trojan' Virus
- 2.09
- Added OS 3.9 ROM updates.
  - Added SystemPatch
- 2.08
- Added a save request after a file watch scan
  - You can now press the Esc key to abort the file watch checking
  - Added more text to the Aminet update if your screen height is bigger than 319 pixels
  - The guide should be a lot better now :)
- 2.07
- Fixed bug when reading readme file from Aminet
  - Rewritten a lot of the boot block analyze function.  
Just did it for fun. Who use disks anymore :)
  - Fixed some bugs in the 'File Watch' scan and adding...
  - Added: remove files from the file list
- 2.06
- Fixed faulty lib versions when starting VE if the 'Fast startup' flag was off.  
Thanks to Charlene McNulty for telling me about it :)
- 2.05
- VirusExecutor no longer crash when no screen mode is selected at first time run.... Thanks to Per M. Iversen who reported
-

- this bug.
- Now you can check if there is new versions of VirusExecutor, VEPatchBrain, xvs.library and xfdmaster.library from Internet. If a new version is available you can download directly from VE. Right Amiga-U does the trick. Remember to be on the net :)
- 2.04b
- Fixed bug when closing screen at the Workbench window
  - Added 'File watch' to the menu
  - Displays the release date of the xvs.library in the about window
  - Removed CPU speed... To many bugs... and not very important :)
- 2.03
- Fixed bug: The patch window didn't pop up at startup if there was unknown patches in memory
  - Added more OS 3.5 ROM Updates to the PatchBrain
  - Added a simple log file... See VirusExecutor.log  
Just logs if a virus is found. Please tell me what you want the log file to log! I will make some prefs options for this later
  - Fixed bug when a data virus was found
  - Added a 'Fast startup' flag to the prefs window.  
When checked, MHZ-check and the about-window are disabled at startup
  - If you have OS 3.5 a VirusExecutor glow icon is used.  
Thanks to Michaela Prüß for making this nice icon
  - Added 'Skip files older than ##### days' to the file checking prefs
  - Centered the prefs window...
  - Added an option to open VirusExecutor on the WorkBench screen  
Press F5... This will also be an option in the prefs window later :)
  - VirusExecutor also shows the version of the ROMUpdate if found
  - Fixed some minor bugs in KickTagPtr-checking:  
Miami Deluxe was found as Miami and ROMUpdate 44.1 was not recognized
  - Better guide... Don't say a thing! I'm still working on it :)
  - Added a BUG REPORT text file...
- 2.02
- Some virus is hidden deep inside linker-files. VE is now unlinking all links and not just one...
  - VE is now stripping hunk\_name (\$3e8).
  - MEMF\_LARGEST is removed during file check. Little faster now :)
  - If you have the 'Overwrite crunched files'-flag selected, VE check if the drive is writeable... If not, the flag is turned off during file checking...
  - Updated some CPU speeds..
  - Added more patches to the PatchBrain
  - Fixed small bug when viewing patch memory
  - Added more devices and libraries to the patch checking
  - Added MMU check to the main window
  - Added 'ColdReboot' to the 'Project' menu
  - When a new patch is detected a <-- is displayed behind it.  
I hope :)
  - Fixed Miami-bug in PatchBrain. Should be SetPatch.
  - Added internal LVO-names... More to come...
  - From now on the latest 'xvs.library' is included in the archive
- 2.01
- Added more program to resident check
  - Fixed bug in GFX-chip checking (hopefully)
  - Added CPU speed in MHz. Just for fun :)
  - Some fonts have the same ID as zip-files... Fixed
-

- Rewritten vector check routine... Should be much better now (hopefully) :)
  - Added more patches to PatchBrain
  - Fixed bug. VE was showing the wrong FPU sometimes...
  - VE now skips HARD- and SOFT links directories during file checking
  - Added VirusExecutor: assign
  - Sector checking can no be used on all 4 drives
  - When the 'Skip encrypted files'-flag was set, no crunched files was decrunched. Fixed...
- 2.00
- Locale support: Norsk, dansk, deutsch and français
  - Added 154 patch entries...  
Also added patches to gadtools.library, layers.library and icon.library
  - Fixed patch bug... ToolManager patch was screennotify.library
  - Major upgrade of the vector checking... Added reset resident programs to an internal database...  
Please let me know which program you use so I can make an update  
All resident programs that VE don't know, is mark \*\*\* UNKNOWN \*\*\*
  - VirusExecutor crashed when screen mode was not available. Fixed
  - Fixed 'empty-line' bug in the patch output window
  - Fix small bug in 'Convert IBN...' if tekstdata ended with a '\0'
  - Added devices to the patch checking
  - I think all this work is worth a 2.00 version! :)
- 1.84
- Changed VirusExecutor.patches again!  
I forgot to include the patch names within this file :)
  - 'Error 1200' was a typing mistake in v1.83c only. Fixed
  - From the prefs window you can now select an option to hide known patches.  
If this option is set and you choose 'Check Memory' from the menu, VirusExecutor will show all patches!
  - Added 'SmartCrash v1.1' to the patch brain
  - Added 'playsid.library' to Interrupt Vectors
- 1.83c
- When starting VE, windows pop up only if there's a virus in memory or if an \*\*\* UNKNOWN VECTOR \*\*\* patch are detected
  - Added a meny function to view known patches
  - The "VirusExecutor.patches" file is now much smaller
  - Added patch: 68060.library, CyberPatcher, SnoopDos v3.0
- 1.83b
- Improved and fixed some minor bug to the patch checking.
  - Added a few more patches. More to come...
  - Fix a bug when "\*\*\* UNKNOWN VECTOR \*\*\*" in CPU Interrupt checking.
  - Fixed FPU: 68040 when it was a 68060, again :)
  - Removed some internal viruses. Please get the xvs.library v33.19!
- 1.83a
- Added "AMOS Joshua Clone Trojan"
  - 060FPU was showing as 040FPU. Fixed!  
Thanx to Jarle Eidet for telling me about that.
- 1.83
- Added "AMOS Joshua Trojan"
  - Major upgrade on vector and patch checking. This is just a preview.  
I had to release this version because of the new Joshua virus
- 1.82f
- Added to prefs: Skip encrypted files
  - In encryped files, password was always wrong. Fixed
-

- While typing password, no output is seen.
  - Improved Zakapior file checking  
VE is now encrypting the file...
  - Fixed an error msg that pops up as an CLI message when VE  
couldn't lock a directory
  - VirusExecutor is now listed in the task window
- 1.82e - Added sounds to VE :)
- Added vector check for kickstart 40.70
  - Fixed small bug in List KickMemPtr output
  - Added a utility to save internal ROM to a file
  - Changed some text output
  - When clearing vectors, interrupt was not restored. Now fixed
  - Added DF0: sector checking
- 1.82d - Added kickstart 40.60/40.63/40.68 in vector check
- When inserting a A1000 kickstart disk VE prints out  
the kickstart version. Anyone have kick 1.0 and 1.4 beta?
- 1.82c - VE now shows all tasks.. Sorry :)
- BUG: The vector window pops up only if the vectors are changed
  - VE can now show entries using KickMemPtr
- 1.82b - Added a prefs window (BETA).
- VE goes directly to the prefs window when new preferences  
has been added.
- Fixed the 'Error 12000' (I hope)
  - Added vector checking. Not very good, but I'm working on it.
  - VE can now display Tasks, libraries and devices...
- 1.82a - VE now sorts files when scanning disks for virus
- Sorry, forgot to remove 'Zakapior' virus from memory, fixed!
  - Shows only filename of the infected file within an archive  
(Not the whole path)
  - Added more info while scanning files if you have big  
enough screen :)
  - Added zip archive, please use:  
UnZip 5.32 of 3 November 1997, by Info-ZIP. Maintained by Greg Roelofs.  
(found on Aminet)
  - Added memory scan during file checking
- 1.82 - Added a 'Select Screen Mode' requester (lots of requests)
- Added auto remove link/file virus...
  - Cleaned up some code...
  - Rewritten file scan code... Much safer now.
  - Checks files in LHA/LZX archives (more to come)
  - Added "Zakapior Trojan" virus (internal, not xvs.library)
- 1.81c - VE can now unlink linked files... Thanks to Jan Andersen for  
sending me some linked files.
- Removed stupid requester: "Seems like you own an old VirusExecutor".
  - And some other stuff that I don't remember :)
- 1.81b - VE is now using xfdmaster.library for crunched files.
- After VE removes a link virus it now checks the file again  
for more viruses until the file is clean.
-

- 1.81a - Rewrite analyze function of encrypted bootblocks.  
Fix a small bug when the bootblock was a standard 1.3+.
- Forgot to report the error message if a link virus couldn't be removed.
  - Also forgot to ask if you want to delete a data virus
  - Cleaned up some code and text output.
- 1.81 - First Aminet release.

## 1.18 locale

English is the build in language but VirusExecutor supports the locale.library. That means that you can easy translate from english to your language...

Just email me back the translated catalog file and I will include it in VirusExecutors archive...

Catalog writers:

czech	- Roman Brychta
dansk	- Jan Andersen
deutsch	- Michaela Prüß
español	- Diego CR
français	- Herve
italiano	- Andrea Zanellato
magyar	- Dósa Márton
nederlands	- Michel 'DMX' Bagmeijer
norsk	- Jan Erik Olausen
polski	- Wojciech Pasiiecznik
português	- Alfredo Martins
russian	- Stanislav Piskunoff
slovak	- Juraj Mátel
svenska	- Börje

## 1.19 jeo

Jan Erik Olausen  
Email: [virusexecutor@c2i.net](mailto:virusexecutor@c2i.net)  
Norway

<http://home4.inet.tele.dk/vht-dk/amiga/>

---