

**MILL-beta**

**COLLABORATORS**

	<i>TITLE :</i> MILL-beta		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		January 13, 2023	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## MILL-beta

### 1.1 WELCOME!!!

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MILL (01.04.03)

(C)2002-2003 Zbigniew Trzcionkowski

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MILL is new modular antivirus project, where each of components can work as separate program and doesn't require the others.

Legal info  
- it's free

Installation  
- it's easy

Currently the project consists of:

MILL  
- file checker (XVS+XFD+XAD+internals)  
and executor of other components

Notifier  
- tool for realtime detection of changes in selected files

Integrity  
- tool for periodical detection of changes in whole selected directories/partitions. Useful to see what has happened since last time on harddisk.

WatchDog  
- virus memory killer (XVS+internals)

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There is no warranty of any kind given  
for the stuff gathered in this archive!

All component features:

- font sensitive GUI
- protection of code in memory with MMU unit  
(where available, requires mmu.library by Thomas Richter.).
- full localisation (requires locale.library)
- commodities support (requires commodities.library)
- auto-remembering of settings
- iconification to WB/Tools

## 1.2 legal

MILL package is freeware.

MILL uses following free libraries:

xvs.library, (c) Georg Hoermann

xfdmaster.library, (c) Georg Hoermann and Dirk Stoecker

mmu.library, (c) Thomas Richter

And the following SHAREWARE library:

xadmaster.library, (c) Dirk Stoecker

XAD is available as part of OS3.9 or as separate SHAREWARE library.  
If You didn't already: please consider upgrading OS or registering  
this library - it's the only thing to pay for to use MILL!

## 1.3 install

Just copy whole directory with MILL whenever You wish. You might want to  
add/delete/replace stuff in catalogs directory and in media  
directory - just do it.

in case You want have any of MILL components activated on Your machine  
at startup I suggest moving included project icons to WBStartup directory  
of Your system partition(disk). Don't forget to correct their DefaultTool  
field to point at location of Your MILL directory. Note that any required  
ToolTypes should be specified directly in tool icons in the MILL directory.

Of course MILL components can also be called from CLI/Shell or AmigaDos  
scripts like S:startup-sequence or S:user-startup.

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Remember that MILL and Integrity by default pop up their user interfaces, so specify CX\_POPUP=NO as argument.

You might want to make boot-disk with MILL for yourself. Included script called `_makedisk` gathers all required stuff in one directory. All You have to do is to copy that stuff onto blank disk with installed bootblock (use `C:install` for instance). Please ensure that Your `amigaguide.library` doesn't internally use datatypes - the one from OS1.3 till 2.0 is ok. This library is required by Integrity and recommended in MILL (to display reports).

(\*) if somebody still happen to don't know (it's year 2002 guys!)

Project and Tool are two kinds of icons You can see on the Workbench screen. `DefaultTool` field of project icon points at program (that might have an icon of tool kind) to run. `ToolTypes` and `DefaultTool` field can be edited by selecting an icon with one click and entering right amiga(windows) key with 'i' character.

## 1.4 mill

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MILL

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREEWARE

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MILL is the base program of the MILL antivirus project. It's major task is file scanning using the powers of XVS, XFD and XADMASTER as well as built-in routines. The GUI of MILL allows to run or call other components of the package.

What is more important MILL has quarantine feature which allows for automatical virus scanning. Properly configured moves files from input directory to output directory (and holds infected ones). Be warned that when input directory is same as output directory or output directory is not valid/specified quarantine just tests files and deletes the clean ones!

MILL has been written in assembler, uses about 30KB of memory plus memory for each file \*2 or even more...  
MILL requires OS37+.

MILL can play warning sound when virus is found (requires `datatypes.library`).

MILL can check files inside archives like LHA, LZX, ZOO, DMS and so on... This feature requires `xadmaster.library` by Dirk Stoecker.

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MILL can be executed from SHELL or from Workbench and offers the following icon ToolTypes:

CX\_POPUP - YES/NO (by default MILL opens it's GUI)

CX\_PRIORITY - -128/+127 (default 0)

DONOTWAIT - Only as tooltype. MILL does not create new task, so this is the standard way to tell Workbench that MILL does not return.

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## 1.5 notifier

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Notifier

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREEWARE

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Notifier is tool designed for permanent watching of selected files. It uses notification mechanisms of AmigaDos and therefore it's activity is quite quick and transparent. After execution the program simply installs itself in memory and watches the selected files. The effect of it's work are requesters describing which entries from the list disappeared/got changed or got created. Note that when you choose directory instead of file, it will be watched, but using of this feature is discouraged as it does not supply any detailed information concerning the changes... To avoid that You can make .Int file for whole directory with Integrity and choose it with Notifier - it will be offered to import!

Notifier has been written in assembler, uses about 6KB of memory plus all required components plus about half KB for each watched item... Notifier requires OS37+.

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Notifier can be executed from SHELL or from Workbench and offers the following SHELL arguments/icon ToolTypes:

CX\_POPUP - YES/NO (by default Notifier not opens it's GUI)

CX\_PRIORITY - -128/+127 (default 0)

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DONOTWAIT - Only as tooltype. Notifier does not create new task, so this is the standard way to tell Workbench that Notifier does not return.

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QuickMode switch. By default there is performed test if entries from save file really exist (to supply information about creation of files that do not exist during startup). Dramatically increasing speed of startup on slower configurations, however appearance of nonexisting files from the list is reported as change of them then.

Window close button hides the GUI. To quit Notifier use appropriate menu item or commodities Exchange.

Files s:startup-sequence, s:user-startup and libs:xvs.library by default are watched by WatchDog.

## 1.6 integrity

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Integrity2

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREWARE

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Integrity is tool designed for periodical detection of alterations on selected partition/directory. First of all user have to choose output datafile and path to scan. The datafile will hold information about all files and their checksums. When the second file is made (e.g. week later) we can compare two files and see which files are new, which got deleted and which are altered. Use of additional password is recommended.

Integrity has been written in assembler, uses about 18KB of memory plus all required components plus memory for scanned files and so on... Integrity requires OS37+

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Integrity can be executed from SHELL or from Workbench and in both cases offers the same template/tooltype:

CX\_POPUP - YES/NO (by default Integrity opens it's GUI)

CX\_PRIORITY - -128/+127 (default 0)

LOGSPATH - by default PROGDIR:logs/ is default directory to store .Int files. This parameter let user choose his own location for .Int files. Setting of that parameter is recommended before you place Integrity on CD to avoid stress and wasted

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time :P

DONOTWAIT - Only as tooltype. Integrity does not create new task,  
so this is the standard way to tell Workbench that  
Integrity does not return.

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## 1.7 watchdog

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WatchDog2

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREWARE

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WatchDog is memory watching program which uses XVS as well as internal routines.

WatchDog has been written in assembler, uses about 10KB of memory.  
WatchDog requires OS37+

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WD2 can be executed from SHELL or from Workbench and offers the following SHELL arguments/icon ToolTypes:

CX\_POPUP - YES/NO (by default WatchDog not opens it's GUI)

CX\_PRIORITY - -128/+127 (default 0)

DONOTWAIT - Only as tooltype. WatchDog does not create new task,  
so this is the standard way to tell Workbench that  
WatchDog does not return.

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In settings menu You can swich such features as:

watching reset vectors, using of xvs.library, checking of the top edge of the system stack, checking volume stacks for HitchHiker5 style of memory infection, checking old BCPL stuff and notifying about changes of s:startup-sequence, s:user-startup and libs:xvs.library

Window close button hides the GUI.

To quit WatchDog use appropriate menu item or commodities Exchange.

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