

AmyTree V1.68

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COLLABORATORS

	<i>TITLE :</i> AmyTree V1.68		
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Chapter 1

AmyTree V1.68

1.1 AmyTree 1.68 Documentation

AmyTree V1.68 by Cervo Antonio 1997

Amiga Group Italia AG Salerno

[Introduction](#)

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1.2 Copyrights

Copyrights

AmyTree is copyright by Antonio Cervo

This program is MailWare.

AmyTree comes with no guarantees wathsoever.

The [author](#) can not be held responsible for any

kind of damage caused by the use of this program.

AmyTree can be freely distributed as long as its original distribution in this archive is preserved.

The program cannot be altered in any way without an explicit authorization to do so from its author.

AmyTree can be included in any form of public domain collection, including CD-ROMs, BBSs, FTP sites, magazines etc.

1.3 Registration

Registration

Up to the current release, AmyTree is MailWare. To use AmyTree, you should just send an e-mail to me to let me know you are using the program and, possibly, to give some suggestion for a future version.

1.4 Beta testers

My thanks should go to the betatesters of AmyTree:

Delta9

Angelo Celentano

Amedeo Milella

Francesco Leoni

Mario Murè

Matteo Forniz

1.5 Acknowledgments

Acknowledgments:

Per Jacobsen for being the first interested in AmyTree, for his suggestions and his help during the testing phase.

Delta9 for his picture in the info box; it's a pity

I had to crop his picture losing some quality.

Antonio Dirani for having assured me that AmyTree works ok with CD-ROMs.

Filippo Di Vattimo for having inspired AmyTree.

Luigi Catuogno for greeting me in his CDVoyager (disc/cdrom/CDVoyager070.lha) and for having inspired some modification in this guide.

Ugo Erra for giving me some precious documentation.

The Italian magazine AmigaMagazine for its continued support of the Amiga.

The Amiga for being.

All the Amiga users for their unbelievable dedication to this machine.

My particular gratitude goes to all the **betatester** of AmyTree.

Last, a greeting to my fellow Amigans of the University of Salerno (in no particular order):

Umberto Ferraro Petrillo, Angelo Celentano, Alessandro Bianco, Antonio DeRosa,

Raffaele Pisapia, Giuseppe Annunziata, Francesco Musacchio, Luigi Catuogno, Ugo Erra.

And also the the members of Amiga Group Italia -> <http://www.inmedia.it/Amiga/>

1.6 storia

Version 1.68

- Tree nodes are now ordered.
- Cursor gadgets now activable with mouse pointer.
- No more compatible with files saved using AmyTree versions prior 1.67; the new files require now less space (only slightly).
- Added 3 gadgets for rapid selection of SYS: WORK: e CD0:
- Added a new Info box (thanks to Delta9:-))
- Added an iconification gadget on GUI (in the previous versions there was only a menu entry).
- Added the entry Save Defaults Tree in the Project menu: it has the same effect of saving a tree under the name of default.tree, so it will be loaded automatically upon the start of AmyTree.

Version 1.67

- Fixed a bug encountered while selecting Info from the Project menu in the previous version.

Version 1.66

- Fixed some little bugs of the previous version.
- Info window modified.
- SCROLLER now changed in NOSCROLLER.

Version 1.65

- AmyTree now iconizable.
- The flash appearing during the tree scroll with the option SCROLLER active is now less evident.

Version 1.6b

- Version for InFo Technologies.
- Saving a tree with the name default.tree in progdir: makes this autoloadable at the start of AmyTree.
- Added a Font Request to change tree and gadget fonts. In this version is not possible to change gadget fonts and select any font for the tree.

Version 1.6

- Interim version released without Enforcer hits that were present in the previous one.
- Added other user defined keys and a configuration panel.
- Fixed all Enforcer hits (at least I hope)
- Added the item SCROLLER in the Prefs menu.

Version 1.5

- Now with a double click you may toggle a node (open->close, close->open).
- Added OpenBranch function (suggestion of Per Jacobsen).
- AmyTree window is now resizable, you may use the appwindow effectively also on medium resolution screens.
- When the search is launched, you no more have to click on the gadget to activate it.
- The names of the programs you selected are now displayed in the proper gadgets.

Version 1.1a

- Changed the AmyTree behaviour in some instances.

Version 1.1

- First public release.

1.7 Future enhancements

Future enhancements

- Any suggestion is well accepted.

1.8 Recursion level

To change the recursion level you can insert the desired level in the text entry gadget labeled R. in the lower part of the window.

When this value is 2, for example, every time a directory gets expanded all its immediate subdirectory will be expanded as well.

Remember to press RETURN after typing the new value.

1.9 Installation

Installation

To install the program you can just drag its icon in some drawer of your hard disk. If you still don't have the XEN font in your system, a double click on the "InstallXEN" icon will install it.

1.10 AmyTree

Introduction

I started writing this program just for fun -- the kind of fun only an operating system like AmigaOS can offer :-)

After studying the C language and programming a little UNIX shell (it was an assignment for one of my courses at the university), and especially after buying an hard disk, I have had a chance to study the operating system of my Amiga.

If you like my program, please let me know, possibly with some suggestion for future versions.

AmyTree was written in C, starting on a Amiga 1200 + 520Mb HD and then on a 1200/030 50MHz, 2+8Mb RAM and a 540Mb HD.

I wrote this program for fun, anyway you can find in the source examples of:

- using datatypes;
- using AppWindows;
- using AppIcons;
- using dos functions to manage files and pathnames;
- using the ASL library for filerequesters.
- using the utility.library to handle dates and strings;
- using the gadtools.library for gadgets and menus;
- using the graphics.library to draw lines;
- handling Intuition's messages;
- ...

1.11 Reaching the author

To reach me you can write to my address, phone me or (better) write an e-mail.

Snail Mail

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1.12 Requirements

AmyTree requires:

- AmigaOS 3.0+

The program comes in two versions:

AmyTree for 68030+ CPUs

AmyTree_68000 for 68000+ CPUs

1.13 Using the program

The program can be started from Workbench or from the Shell.

AmyTree was designed for use with HDs and CD-ROMs, so its use with floppy disks is not recommended (although you won't find any problem).

AmyTree requires that you run a full installation of AmigaOS (i.e., from the Install 3.0+ disk).

Starting the program from Workbench only requires a double click on its icon (the stack will be set to 30,000 bytes). If you run AmyTree from the Shell, always remember to give a large enough stack (and try to increase the stack size if any problem arise). When starting from the Shell, you can indicate as argument the starting directory that AmyTree will use to generate its tree.

You can change the stack size by using the Icon/Information menu item from the Workbench.

AmyTree's window is an AppWindow; you can drag and drop a drawer on it and the program will automatically generate the corresponding tree.

To select a node in the tree you can use both the mouse and the cursor keys; the same holds for scrolling the tree (you will find two scrollers to this end).

All the directory names in the tree are preceded by a small box with the following meaning:

- If the box contains a "+" then the directory can be expanded (i.e., it contains subdirectories);
- If the box contains a "-" then the directory has been expanded and thus it can be collapsed;
- If the box is filled then the directory does not contain subdirectories;
- A double click on a node will toggle between its expanded/collapsed state.

When you run AmyTree for the first time, some gadgets in the lower right part of the window will appear empty, that is with no text in them. These gadgets can be used to start two programs of your choice; this setting will be remembered until you change it.

See:

[Menus](#)

[Gadgets](#)

1.14 Menus

Menus in AmyTree

[Project](#)

[Actions](#)

[Prefs](#)

1.15 Menu Actions

Actions menu items

[Open full tree](#)

[Close tree](#)

1.16 'Open full tree' menu item

Selecting this item will expand all the directories in the tree, including their subdirectories. In other words, the whole tree will be shown. This operation could take some time; it depends on the number of files on your filesystem.

1.17 'Close tree' menu item

All the directories in the tree will be collapsed, returning the tree to its initial state.

1.18 Project menu

Project menu items

Load Tree

Save Tree

Save Default Tree

New Tree

Info

Quit

1.19 'Save Default Tree' menu item

Selecting this item, you will save the current tree as "DEFAULT.tree".

This file is automatically loaded by AmyTree during startup.

1.20 'Load Tree' menu item

This item lets you load a previously saved tree via a filerequester.

Only files with extension ".tree" are displayed.

1.21 'Save tree' menu item

This item lets you save the current tree on disk. This is particularly useful with rarely updated directories or CDs .

You can generate the whole tree of a CD (or, better, only a part of the tree) and then save it; the next time you want to browse that CD, you can just insert it and load the corresponding file from disk.

The extension ".tree" will be automatically added to the filename you choose if missing.

If you save a tree with the name "default.tree" in AmyTree's directory, it will be automatically loaded at every startup.

1.22 'New Tree' menu item

Select this item and you will get a directory requester asking you for the root of the filesystem tree to generate.

1.23 'Info' menu item

This item will show my address ;-).

1.24 'Quit' menu item

I can't find a good reason to select this item. :-)

1.25 Prefs menu

Prefs menu items

Conf. Button

NoScroller

Fonts

Icon

1.26 icon

Icon

This item lets you iconize AmyTree. Once iconized, a double click on its icon will un-iconize it, returning to the previous state.

If you drop a drawer on AmyTree's icon, the program will re-open its window using the drawer you dropped as new root of the tree.

1.27 fonts

Fonts

Don't use this feature in the current release; it is still not fully implemented.

1.28 noscroller

NoScroller

When this option is on, the real-time scrolling of the tree is not active.

1.29 Configuration

Configuring the gadgets

This item will show a panel in which you will find the various gadgets to which you can associate a program to run. In the first string gadget you should type the path of the program you want to execute (you can also use the small button on the right of the string gadget). In the string gadget on the right you can type any option needed by the program you selected on the left one.

1.30 Gadgets description

Gadgets

Open Close

OpenBranch Search

ViewDT Info

Show Play

User gadget

ListFiles

I

1.31 iconify

This gadget iconifies AmyTree.

1.32 OpenBranch button

OpenBranch

This gadget will expand the whole branch of the selected node.

1.33 Open button

Open

This gadget will expand the currently selected directory in the tree.

The gadget is ghosted when the selected node is not a directory, or when it is a directory but cannot be expanded (a directory can be expanded when the small box before its name contains a "+" symbol). You can obtain the same effect by double-clicking the node you wish to expand.

1.34 Close button

Close

This is the opposite of **Open**; this gadget collapse the currently selected directory. The gadget is ghosted when the selected node is not an expanded directory (a directory can be collapsed when the small box before its name contains a "-" symbol). You can obtain the same effect by double-clicking the node you wish to collapse.

1.35 ViewDT button

ViewDT

This gadget will hand down the file selected in the listview above it to the datatypes you have installed in your system; if the file is not recognized by any of them, an error message will be displayed.

The gadget is ghosted when no file is selected.

See [Shortcomings](#).

1.36 Info button

Info

This gadget will show several informations on the selected file (name, size, date, file type etc.). The gadget is ghosted when no file is selected.

1.37 Search button

Search

This gadget will open a requester asking you to type a string (directory name) to search in the tree. You can specify here partial names, and obviously the search is not case-sensitive (actually, all the grunt work is performed by Strnicmp() from the utility.library :-)

If the search was successfull, the node found will be put into view and will become the currently selected node; in any case, a requester will ask you if you want to continue the search or not.

If no node matched the string you are searching for, AmyTree will call the DisplayBeep() function (and it will either flash the screen, ring a bell or both, according to your system preferences).

This gadget is never ghosted.

1.38 Show button

Show

This gadget will start a picture viewer of your choice visualizzatore}, giving the name of the currently selected file as command-line argument.

N.B.

Actually, AmyTree does not check the type of the file when you click "Show", so you can associate every kind of program to this gadget.

However, unlike the user gadgets, the label cannot be changed.

1.39 Play button

Play

This gadget will start a player of your choice, passing the name of the currently selected file as command-line argument. I use HippoPlayer, but any other player will do.

This gadget is ghosted when the currently selected node is not a file.

N.B.

Actually, AmyTree does not check the type of the file when you click "Play", so you can associate every kind of program to this gadget. However, unlike the user gadgets, the label cannot be changed.

1.40 User gadgets

User gadgets

You can assign to these gadgets a label and a program to run when they are clicked on. These programs will be given the name of the currently selected node as command-line argument.

1.41 List Files button

List files

This gadget will toggle between active and ghosted file listview.

You can improve tree navigation speed by activating the listview only when you actually need it.

1.42 Shortcomings and bugs

The current release of the program is certainly not perfect.

Shortcomings:

- The datatype viewer window cannot be resized.
- The GUI is optimized for a 640x256 screen.

BUGS:(

- there is some problem in viewing AmigaGuide files via datatypes.

You can avoid these problem by assigning Multiview or a similar program to one of the user gadget.

- other bugs: waiting for your mails!
-

1.43 Description of the program

What is AmyTree

AmyTree, in its current version, is a filesystem browser.

AmyTree graphically represents a filesystem as a tree of directories.

See [Usage](#)

1.44 Used libraries

Shared libraries used by the program

asl.library

datatypes.library

dos.library

gadtools.library

graphics.library

intuition.library

utility.library

workbench.library