

Time_mcc

Kai Hofmann

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REVISION HISTORY

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Chapter 1

Time_mcc

1.1 Time.mcc

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If you have AmigaDOS® 2.0 or 2.1, you will have to scroll to the right in order to read the text. AmigaGuide® for these versions of AmigaDOS® is unable to wordwrap the text.

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This package may not be included on any further Aminet CD-ROMs unless authors contributing their software to the CD-ROM, (without mentioning distribution "NoCD") are granted a copy of the CD *completely* *free* *of* *charge*.

The Meeting Pearls IV CD-ROM demonstrates that a Freebie policy is also possible with "very-low-budget" CD-ROMs (*), so Aminet should quickly re-establish the same Freebie policy it used up to Aminet CD 13.

(*) Suggested retail price for MP4 is DM 14,95/US\$ 12/£ 8.95.

1.4 Disclaimer

DISCLAIMER

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1.5 Trademark

Trademark

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1.6 Support/Updates

Support/Updates

- Updates will be available via Aminet@

- Support will be available via the **authors** email address and via

<http://home.pages.de/~i07m/amiga/mui/Time.html>

1.7 Author

Author

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1.8 Description

Description

Time is an abstract Custom Class of the **Magic User Interface** © by Stefan Stuntz.

It's a subclass of notify-class and only usable for developers who want to build subclasses of Time.mcc!

The idea of this class was born during developing my Gregor application.

MUI abstract public custom class that allowing easy handling of time. Because it is abstract it is only usefull for developers working with classes that are based on Time.mcc (like TimeString.mcc), or those who want to build their own Time.mcc based classes.

Time.mcc features:

- Handles daylight savings time
- Handles time zones
- Supports MUIM_Import and MUIM_Export
- Supports drops of other time objects and time-strings
- The time can be read in hour/minutes/seconds format or as seconds from midnight on
- The time range can be restricted
- It's possible to notify a Date.mcc object when the next or previous day was reached
- Method to set the current time
- Methods for increasing and decreasing the time
- Method to compare with another time object

1.9 Requirements

Requirements

- **MUI** 3.1 (Version 12)
- date.library
- To use the Greek MCC-Install script you need the "Greek Workbench" © AC Software
- To use the Russian MCC-Install script you need "Rusifier" © Dmitry Mikhilov

1.10 Installation

Installation

Please only install Time.mcc when you are a developer!

Use the installer script!

(The Installer must be in your system-path!)

If you use an Installer prior to V42 you should set the LANGUAGE Tooltype to your language. Installer V42 and better automatically use your current locale.

Please note that the installer-script is very special, because:

- It features uninstallation
- It is automated
- It is very flexible
- It is very intelligent (for an installer-script ;-)
- It uses **WrapGuide** (if present) for the Amigaguide documentation if running under a pre V39 system.
- It can be reused by (hopefully) all other MUI custom classes, because the authors of custom classes need to only change a few things:
 - * The #copyright variable
 - * The #min_os_version and #min_os_revision variables
 - * The #min_mui_version and #min_mui_revision variables
 - * The #language_mcc and #language_mcp variables
 - * The P_CustomExists, P_CustomInstall and P_CustomUninstall procedures
 - * The 'APPNAME' tooltype within the MCC-Install icon.

1.11 Developer Informations

Information for Developers

There is no multiple inheritance for Boopsi/MUI for the moment, so we haven't any chance to create a real Time basis-class. But there is another way to have the same result (compatibility for all classes that are dealing with time).

The solution is called interface inheritance like it was done with IDL for CORBA.

Interface inheritance has some advantages and some disadvantages.

The advantages are:

- (Pseudo) multiple inheritance
- The same interface for all classes dealing with Time

The disadvantages are:

- Every one who wants to subclass Time.mcc must include the code for Time.mcc in the new subclass.

But this can be easier done by using the DateLib and/or the Amiga-OS support

functions.

Btw. the same happens for IDL, but by using C++ it is possible to inherit the implementation.

A future release of Time.mcc will include a full skeleton C code, so that everyone can start his subclasses on this.

Please note, that you can not compile Time.mcc!

This is because I don't want to distribute the following files at the moment:

date.h, datetime.h, datesys.h, date_pragmas.h

These files are part of my DateLib (TM) project. A new release will be available in 1997.

Please note that the supplied source is version 12.0!

Btw. it would be wise to use a

```
SetAttrs(obj,
```

```
MUIA_Time_Hour, hour,
```

```
MUIA_Time_Min, min,
```

```
MUIA_Time_Sec, sec,
```

```
TAG_DONE
```

```
);
```

instead of single set()'s.

1.12 History

History

10.02.1997 - First release on Aminet

28.03.1997 - Second release on Aminet

* Added MUIA_Time_MidnightSecs for seconds since midnight

* Added Blitz Basic 2 interface

* Added Cluster interface

* Added ARexx interface

* Added MUIBuilder3 description

* Added German documentation

* Added drop support

14.08.1997 - Third release on Aminet

* Added Amigaguide V40 features to the documentation

* Added "Please rate" section to the documentation

* MCC-Install 43.21

* Added MagicWB readme

* Compiled with MCCLib 12.2

- * MUIM_Time_Compare
 - * Bugfix in MUIM_Time_SetCurrent
 - * Optimizations
- 07.10.1997 - Fourth release on Aminet
- * Accept drags with time-strings
 - * Compiled with MCCLib 12.4
 - * date.library 33.280
- 27.11.1997 - Fifth release on Aminet
- * date.library 33.286

1.13 Todo

Todo

Notify on locale preference change (time zone): env:sys/locale.prefs

1.14 Known problems

Known problems

- Old versions of the program called 'PhoneCost' written by André Schenk <schenkae@tick.informatik.uni-stuttgart.de> installed another 'date.library' into 'Libs:'.

1.15 Acknowledgments

Acknowledgments are going to the following people:

Rita Reichl : for correcting my English and being my inspiration

James Cooper,

Steve Krueger,

Doug Walker : For supporting SAS/C® after SAS suspends the support.

Stefan Stuntz : for the **Magic User Interface** and for his support

Klaus Melchior : for the MUI custom class support

Martin Huttenloher : for **MagicWB**

Udo Schuermann : for **WrapGuide**

Stefan Kost : for ag2txt

Jürgen Kohrmeyer : for the rexxtricks.library

Henning Thielemann : for help with the Cluster interface

Eric Gerard : for his great icons

1.16 Please rate

Please rate

Please rate Time.mcc and MCC-Install. To do so, send an email to aminet-server@wuarchive.wustl.edu with the following content:

RATE dev/mui/MCC-Install.lha <num>

RATE dev/mui/MCC_Time.lha <num>

where <num> is a mark from 0..10 with 10 being the best.

You can rate several programs in one mail.

Thank you!

1.17 Subclasses

Subclasses

The following classes are build on Time.mcc:

TimeString.mcc:

By Kai Hofmann <i07m@informatik.uni-bremen.de>

<http://home.pages.de/~i07m/amiga/mui/TimeString.html>

Aminet:dev/mui/MCC_TimeString.lha

1.18 MUI

This is a custom class of the

MUI - MagicUserInterface

Copyright © 1993-1997 by Stefan Stuntz

MUI is a system to generate and maintain graphical user interfaces. With the aid of a preferences program, the user of an application has the ability to customize the outfit according to his personal taste.

MUI is distributed as shareware. To obtain a complete package containing lots of examples and more information about registration please look for a file called "muiXXusr.lha" (XX means the latest version number) on your local bulletin boards or on public domain disks.

If you want to register directly, feel free to send

DM 30.- or US\$ 20.-

to

Stefan Stuntz

Eduard-Spranger-Straße 7

80935 München

GERMANY

Support and online registration are available at

<http://www.sasg.com/>

1.19 MagicWB

This product is based on or uses parts of

MagicWB - The Workbench Enhancer

Copyright © 1992-1997, Martin Huttenloher

If you use and like this product you should very much consider to take a look at MagicWB, which is the authentic source of the style, colors and design elements contained in this package. It features hundreds of original icons, patterns, image-drawers, dock-brushes and some specially designed high-quality fonts to improve the comfort & legibility of your daily Workbench session.

What is MagicWB? MagicWB is a full replacement for the Graphical User Interface of the Workbench and has become the standard visual interface on the Amiga. Over the last years MagicWB has received various merits and an overwhelming response from Amiga magazines and users worldwide proclaiming it "a must for all Amiga users". Even commercial applications are supporting the multi-colored look & style of MagicWB.

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MagicWB is distributed as shareware. Get yourself the latest FREE PUBLIC RELEASE of MagicWB now: It is called

MagicWB21p.lha

and can be found everywhere on Aminet (or your local BBS or public domain series). Install it and witness the instant magic it performs on your old Amiga Workbench. Also included is the latest SASG registration program with which you can order and get the full registered version of MagicWB.

If you want to order directly, feel free to send

DM 30.- or US\$ 20.- (cash, no checks!)

to

Martin Huttenloher

Am Hochstraess 4

D-89081 Ulm

Germany

You may also choose to visit the official MagicWB homepage on the world wide web. There you can find the latest news & support and even register your MagicWB online (which is much more comfortable and faster). You can even benefit from various special offers & discounts for MagicWB if you order through our website! Come and visit MagicWB at:

<http://www.sasg.com/>

Save 20% by using the discounts on our website!

Ordering online also saves you a lot of time and work!

1.20 WrapGuide

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