

NetMon

Sascha 'SieGeL' Pfalz

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COLLABORATORS

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WRITTEN BY	Sascha 'SieGeL' Pfalz	January 13, 2023	

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Chapter 1

NetMon

1.1 NetMon documentation

NetMon V0.2

written & (c) by Sascha 'SieGeL' Pfalz

Network Monitor for Roadshow

Contents of this documentation:

INTRODUCTION - Info and requirements

CONFIG AND USAGE - How to configure and use

WHAT'S MISSING - Missing bits and To-Do list

GREETES AND CONTACT - Thanks and Greets

ABOUT MUI - Info about MUI

NetMon uses codeparts from Roadshow

written and (c) by Olaf 'Ohlsen' Barthel

NetMon uses MUI, a Graphical User Interface Extension

written and (c) by Stefan Stuntz

1.2 Infos and requirements of NetMon

Introduction

Well after receiving my copy of AmigaOS 4 Pre I've started to discover what the Pre-release has to offer for me. One of the important things I need is a working TCP/IP stack. So I was happy that the PR was shipped together with RoadShow, a native TCP/IP stack for AOS4 written by Olaf Barthel. As is typical with Olaf's software setting up Roadshow was as easy as it can be, but it lacks some kind of informational display that shows what actually happens when using Roadshow. You have a bunch of Shell tools to query the stack, but nothing compared to MiamiDX' nice control panel on Classic Amigas.

So I've started to code NetMon to get back my good old NetInfo Display on

my workbench. This time its using MUI and works only for Roadshow, as I'm using a lot of native functions provided by Roadshow.

NetMon currently can display all defined interfaces together with some basic information about every device, like: Current avg. transferspeed, total volume transfered (also broken down in Up/Down traffic),online time and state of interface. All information are queried from Roadshow and the display will update every 5 seconds.

Requirements

To run NetMon, you need the following:

- AmigaOS 4
- MUI
- RoadShow

Roadshow must be started else this tool won't work.

1.3 How to configure and use NetMon

Configuration and Usage

NetMon has currently only one option that can be configured depending how you start the Tool.

1. Start from Shell:

```
New Cli:> NetMon [NOWINBORDER]
```

If you use the argument NOWINBORDER all normal GUI elements like close, depth and size gadgets are disabled, only a small border remains. If started without this argument the window is rendered together with all GUI elements.

2. Start from WB:

Just put the ToolType NOWINBORDER into the icon you're using with NetMon, it has the same effect as described above. If you want to have the full window, either remove this tooltype or put brackets (recommended) around the tooltype.

Nothing else needs to be configured, all required data is queried from Roadshow.

So just start it in your favourite way, and a small window will open which will look a bit similar to this:

```
LAN | Active | 0.0 kb/s | 385.54 MB | 29:03:33
```

1. 2. 3. 4. 5.

1. Name of interface. If you leave the mouse over it; it will show some additional information for this interface like IP, Linespeed, MTU and bind type (static/DHCP)

2. State of interface. Can be one of: Offline, Online,Inactive,Active

3. Current speed in kb/s. Speed calculation averages over 5s, so don't wonder if it sometimes differ a bit from Sample, which uses 1s interval

and is therefor much more accurate.

4. Total amount transfered for this interface. The amount includes all data and protocol headers for up- and download transfers for this interface.

If you leave the mouse over it a bubble will be shown which lists the traffic broken down in Up and Down to have a better overview.

5. How long the interface is online (HH:MM:SS)

The display may of course differ depending on how many interfaces you have.

I don't think theres much else to say about the usage, the tool should be pretty self explanatory :)

1.4 Missing bits and To-Do list

Missing bits and To-Do list

Of course Software is never complete, and this is true for NetMon, too. So here is a list of things I will add in future releases:

- Create an AmiDock Docky tool from it
- Add more menu entries which show all roadshow options like routes, DNS etc.
- Put Interfaces online/offline with either the supplied roadshow utilities or via own code, will see how much work is involved.
- Locale support...if anybody cares about it. For me english is ok :)
- Better icon (If any of these famous artists could draw one..would be nice!)

See [contact](#) if you have anything else to suggest.

1.5 Thanks and Greetings

Greetings

- Olaf 'Ohlsen' Barthel for supplying a lot of sources and info to get this up and running. And of course for all his great work on clib2 , Roadshow etc.
- Hyperion Software for giving us the opportunity to start developing on the best OS so far! Thanks for the Pre-Release, too!
- Ryu for proof-reading this guide for a better reading experience :-)
- Amigaworld.net for being the best Amiga Community site, especially the ppl who reported bugs and suggestions
- All other AmigaOS 4 users of course :-)

How to contact me

WWW: <http://www.saschapfalz.de>

E-MAIL: webmaster@saschapfalz.de

ICQ: 9691810

Telnet: [siegel.dyndns.org](telnet://siegel.dyndns.org) (FAME on my a4000, will be running until OS4 is final!)

1.6 About MUI...

MUI - MagicUserInterface

Version 3.9

(c) Copyright 1992-2004, Stefan Stuntz

MUI is an object oriented system to create and maintain graphical user interfaces. From a programmers point of view, using MUI saves a lot of time and makes life much easier. Thinking about complicated terms like window resizing or font sensitivity is simply not necessary.

On the other hand, users of MUI based applications have the ability to customize nearly every pixel of a programs interface according to their personal taste.

Please click on the Install-MUI icon to install MUI on your system or to update from previous versions. Latest news and support can be found on Internet at www.sasg.com.

Attention

If you're still not registered for MUI, check the new and unique shareware lottery and great discounts at www.sasg.com. Give it a try!
