

MiamiSpeedMeter

COLLABORATORS

	<i>TITLE :</i> MiamiSpeedMeter		
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REVISION HISTORY

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Chapter 1

MiamiSpeedMeter

1.1 MiamiSpeedMeter.guide

MiamiSpeedMeter 1.1

MiamiSpeedMeter is (C) 1997 Andreas Bombe

Disclaimer	Legal stuff
Introduction	What is MiamiSpeedMeter?
Installation	Easy to install...
Starting	Starting MiamiSpeedMeter
Usage	What's that button for?
About Miami	If you don't know already...
About MUI	That thing for the gadgets
The Author	He who programmed MiamiSpeedMeter
Version History	What happened

1.2 MiamiSpeedMeter.guide/Disclaimer

Disclaimer

MiamiSpeedMeter 1.1 and previous versions are freeware. You may redistribute the whole, unchanged original distribution. This means that you may not redistribute changed files or less or more files than that in the original distribution. You are allowed to use a different archiving/compression system than that of the original distribution for redistribution. Apart from that, no changes may be made.

I can not be held responsible for any damages of any kind that may occur by using this program.

MiamiSpeedMeter is (C) 1997 Andreas Bombe

1.3 MiamiSpeedMeter.guide/Introduction

Introduction

After Holger Kruse decided to provide a callback hook interface for examining packets in his TCP/IP stack Miami (see About Miami), I got the idea to program a link cps display. Some networking programs (like web browsers and ftp clients) show the characters per second they get, but these show quite few information, restricted to the data throughput of only this program and some only display the average cps.

So I programmed MiamiSpeedMeter, a program that displays the data throughput on a specified link, all of it, including IP headers. It shows both current and average cps, divided into inbound and outbound streams, in configurable intervals.

Requirements:

- * Miami 2.0 or above, registered (the unregistered version does not have the callback hook interface)
- * MUI 3.0 or above (you need MUI anyway for Miami; See About MUI)

1.4 MiamiSpeedMeter.guide/Installation

Installation

Installation is quite simple: copy the executable anywhere you want. No external files are needed.

1.5 MiamiSpeedMeter.guide/Starting

Starting

You can start MiamiSpeedMeter in two ways: either by typing its name in a shell (and give the options on the command line) or by clicking on its icon on the Workbench (and give the options in the tooltypes).

The template is `INTERFACE,REFRESHDELAY=DELAY/K/N,TINYWINDOW=TINY/S`. You can not use the short names in tooltypes.

The options are as follows:

INTERFACE

This is the name of the Miami interface (only lo0 and mi0 for standard Miami; any other only with Miami Deluxe) to be monitored. Defaults to mi0.

REFRESHDELAY

DELAY (Shell only)

The delay between display refreshes in tenths of a second. Defaults to 10, which is one second.

TINYWINDOW

TINY (Shell only)

This switch lets you create a smaller MiamiSpeedMeter window without the reset button and without average cps display. Defaults to not set.

Example of a shell start: MiamiSpeedMeter mi0 delay 20 tiny or MiamiSpeedMeter for just the defaults. Look at the original icon tooltypes for how to use them.

1.6 MiamiSpeedMeter.guide/Usage

Usage

The menu entries:

Reset
About
Quit

The reset button does the same as the menu entry Reset.

You have to quit MiamiSpeedMeter before you can quit Miami successfully.

1.7 MiamiSpeedMeter.guide/Reset

Reset menu entry

=====

This button/menu entry does two things. The more obvious one is that it will reset the average display to zero.

The other thing is that it will find out the current interface's IP address again (MiamiSpeedMeter needs the address to find out if a packet is inbound or outbound). This is necessary if you have a dynamic address on the monitored interface and just went online (again) so the address could have changed. If you don't reset and the address got changed, every packet will end up adding to the outbound cps.

Shortcut: R or RAmiga+R

1.8 MiamiSpeedMeter.guide/About

About menu entry
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This will pop up the about window, which contains information on the version. It also contains the current interface IP address that is used in inbound/outbound checking.

Shortcut: RAmiga+?

1.9 MiamiSpeedMeter.guide/Quit

Quit menu entry
=====

This will quit the program. Oh, you guessed that?

Shortcut: RAmiga+q

1.10 MiamiSpeedMeter.guide/About Miami

About Miami

Miami is a TCP/IP stack including PPP and (C)SLIP and is compatible to AmiTCP. Miami is programmed and maintained by Holger Kruse.

You can get the public releases of Miami from Aminet, for the latest beta releases take a look at the Miami homepage.

Holger Kruse's email address: kruse@nordicglobal.com
Miami homepage: <http://www.nordicglobal.com/Miami.html>

1.11 MiamiSpeedMeter.guide/About MUI

About MUI

MUI (Magic User Interface) is a gadget layout engine programmed by

Stefan Stuntz that makes font-sensitive resizeable windows very easy to program. It also makes it possible to write real OO programs. The MUI code is distributed as a shared library, so you need to get MUI before you can run any MUI programs. MUI is available from Aminet.

1.12 MiamiSpeedMeter.guide/The Author

The Author

The author of MiamiSpeedMeter is Andreas Bombe (that's me). Here's how you can contact me:

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1.13 MiamiSpeedMeter.guide/Version History

Version History

- * MiamiSpeedMeter 0.1 (15.2.97) 17:17:20 by andreasb@destiny
 - first test version
 - * MiamiSpeedMeter 0.2 (16.2.97) 15:39:10 by andreasb@destiny
 - now correct backgrounds
 - parses commandline and tooltypes correctly
 - displays what interface it is showing statistics of
 - swaps stack if less than 8192
 - * MiamiSpeedMeter 1.0 (16.2.97) 22:57:20 by andreasb@destiny
 - switched on lots of optimisation
 - writing doc and preparing for public release
 - * MiamiSpeedMeter 1.1 BETA 1 (23.3.97) 12:28:08 by andreasb@destiny
 - after not having time to develop, trying to encapsulate most things in classes and having a long war with pointers and
-

- uninitialised data there is now a version that works, except for lots of enforcer hits when setting up and destructing the base class...
- added average cps display
 - made delay between refreshes configurable
 - added reset button to reset average display and to reget the interface IP address
 - new switches:
 - + DELAY/K/N: refresh delay in milliseconds (default 1000ms = 1s)
 - + SHOWAVG/S: create display for average cps (default: no)
- * MiamiSpeedMeter 1.1 BETA 2 (5.4.97) 17:10:37 by andreasb@destiny
- no enforcer hits anymore. ...pointers. sigh
- * MiamiSpeedMeter 1.1 BETA 3 (11.4.97) 16:19:59 by andreasb@destiny
- added menu
 - added about window with IP address display
 - removed SHOWAVG switch, replaced by TINYWINDOW (default: FALSE)
 - DELAY is now specified in tenths of a second (default: 10 = 1s)
- * MiamiSpeedMeter 1.1 (13.4.97) 01:49:19 by andreasb@destiny
- changed documentation to AmigaGuide format
 - recompiled with optimisations
- * MiamiSpeedMeter 1.2 (18.4.97) 22:30:51 by andreasb@destiny
- added "MUI settings..." menu entry
 - MiamiSpeedMeter will not open window if it can't add the hook to Miami (e.g. when the given interface does not exist)
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