

SFSconfig

Martin Steigerwald

COLLABORATORS

	<i>TITLE :</i> SFSconfig		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Martin Steigerwald	July 31, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	SFSconfig	1
1.1	SFSconfig - A tool to query and set SFS parameters	1
1.2	Introduction	1
1.3	Legal stuff!	1
1.4	Requirements	2
1.5	Usage	2
1.6	History	3
1.7	Support	3
1.8	Thanks	3

Chapter 1

SFSconfig

1.1 SFSconfig - A tool to query and set SFS parameters

SFSconfig.guide 1.2 (22.2.2001)

SFSconfig 1.2 (14.10.1999)

(W) by Martin Steigerwald

- Introduction
- Legal stuff!
- Requirements
- Usage
- History
- Support
- Thanks

1.2 Introduction

This is a small utility to query and/or set some parameters of a specified SmartFilesystem partition.

You can set the cache, some data flush timeouts and the maximum filename length. You can query whether the partition is case sensitive or has a recycled directory. These two parameters are not settable.

1.3 Legal stuff!

Neither me nor John Hendrikx - the author of the wonderful SFS - take responsibility for any damage that this tool causes. To make a long DISCLAIMER short: THERE ARE NO WARRANTIES WHATSOEVER.

SFSconfig may be freely distributed non-commercially! It is freeware!

It may be distributed with AmigaOS 3.9 Boing Bag 1 and future AmigaOS updates.

1.4 Requirements

- AmigaOS 2.04
- SmartFilesystem
- A wonderful Amiga ;)

1.5 Usage

SFSobject has the following template:

```
DEVICE/A, LINES/N, READAHEAD=READAHEADSIZE/N, MAXNAMELENGTH=MAXNAME/N,  
ACTIVITYFLUSH/N, INACTIVITYFLUSH/N, COPYBACK/S, NOCOPYBACK/S:
```

DEVICE

The device whose parameters you want to change.

LINES

Cache lines to be used.

READAHEAD

Number of bytes each readahead cache line should contain. Cache size thus is calculated as follows: LINES * READAHEAD.

MAXNAMELENGTH

Maximum filename length. Can be from 30 to 120.

ACTIVITYFLUSH

Activity flush timeout. The number of seconds after SFS must flush pending writes even when it is active doing stuff. Can be from 5 seconds to 120 seconds.

INACTIVITYFLUSH

Inactivity flush timeout. The number of seconds after SFS must flush pending writes even when it is inactive doing stuff. Can be from 1 seconds to 5 seconds.

COPYBACK

Enable copyback mode for the read ahead cache.

NOCOPYBACK

Disable copyback mode for the read ahead cache.

Note: None of this settings is permanent. SFS forgets them after a reboot.

To make them permant add the proper SFSconfig command lines to your Startup-Sequence - good for setting cache for the boot partition as early as possible - or User-Startup.

Of cause COPYBACK and NOCOPYBACK are mutually exclusive.

Examples:

Setting a partition to 30 char maximum file name length:
SFSconfig PART: MAXNAME 30

Speeding up a partition of a fast and big SCSI harddisk (needs 3MB of Fast RAM ;-):
SFSconfig PART: LINES 100 READAHEAD 32768

Speed up a SmartFilesystem floppy disk:
SFSconfig SF0: ACTIVITYFLUSH 120

1.6 History

revision 1.2
date: 1999/10/14 17:41:28; author: helios; state: Exp; lines: +15 -8
- some cosmetic changes
- more PrintFault() calls

revision 1.1
date: 1999/10/07 22:36:37; author: helios; state: Exp;
Initial revision

1.7 Support

Email suggestions, bug reports, whatever to:

Martin Steigerwald

Email: Martin-Steigerwald@gmx.net
WWW: <http://helios.home.pages.de>
ICQ: 34355756

The latest version of SFSobject can be obtained at:

<http://home.pages.de/~helios/amiga/programme/sfsobject.html>

1.8 Thanks

John Hendrikx for developing the wonderful SmartFilesystem.

Jörg Strohmayer for valuable hints on my bloated code ;-).

All I forgot.