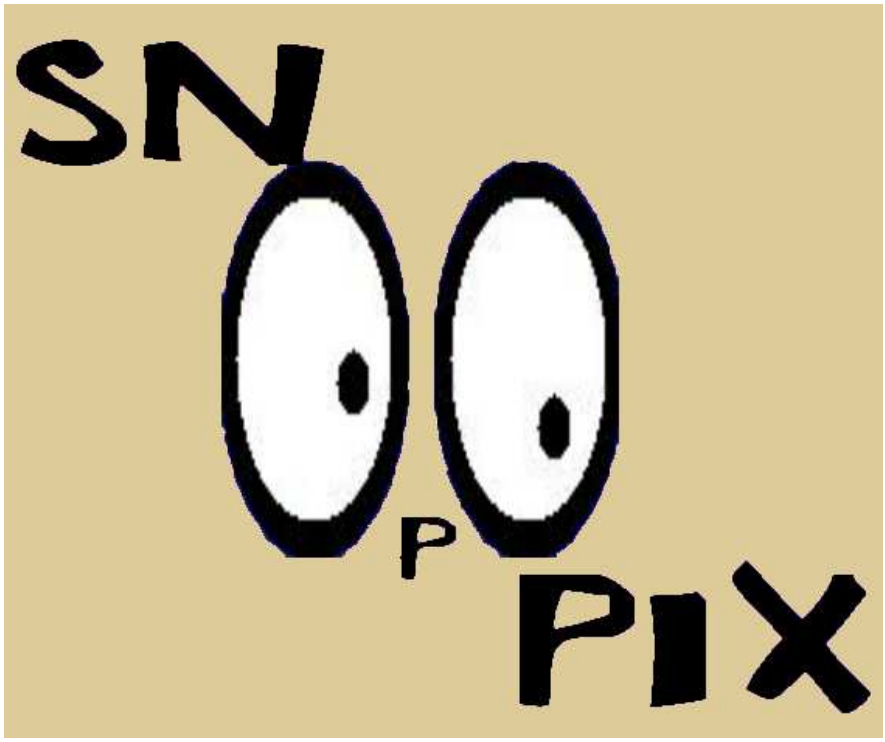
TERAPIX



SNOOPPIX USER'S GUIDE AND COMMAND REFERENCE

Version : 1.00

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IAP

CNRS CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

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CONTENTS

CONTENTS 3
INTRODUCTION 4
FEATURES 4
INSTALLATING THE SOFTWARE 4
  Software and hardware requirements 4
  Obtaining SnoopPix 4
  Installation 4
SNOOPPIX CONFIGURATION 5
  Opening configuration file by Perl-TK interface : 5
  Opening by web interface 7
  Configuration parameter list 8
    Server information 8
    Parameters 8
    Client information 8
    Parameter 8
    Download options 8
    Parameters 8
How to work SnoopPix 8
  http mode 8
  ftp mode 8
  file mode 8
AKNOWLEDGEMENTS 9
GNU Free Documentation License 9

INTRODUCTION

This manuel is designed to serve as both a technical reference and a general usage guide.

FEATURES

Snooppix is a download manager designed to download files easier and without human intervention. Snooppix achieves this goal by :

- Using an aggressive download algorithm to minimize download time
- Supporting for FTP and HTTP downloads, including the download of entire remote FTP directories
- Using an integrated database to avoid to download twice the same data
- Download is managed by two graphical interfaces : PHP and perl-tk interface

INSTALLATING THE SOFTWARE

Software and hardware requirements

SnoopPix is a free perl program developed on UNIX machines (GNU Linux) and should run on any POSIX compliant system. Snooppix depends of wget program. This program can download data.
The software is run in graphical interface. If you use web interface, you will need web server and ; if you use perl-Tk interface, you will need Tk::Balloon module.

Obtaining SnoopPix

The easiest way to obtain SnoopPix is to download it from TERAPIX web site http://terapix.iap.fr. There can be found the latest version of the program as a standard .tar.gz Unix source archive, including documentation.

Installation

To install from a tar.gz file simply unpack the tar file by typing :

tar zxvf snooppix-1.0.tar.gz

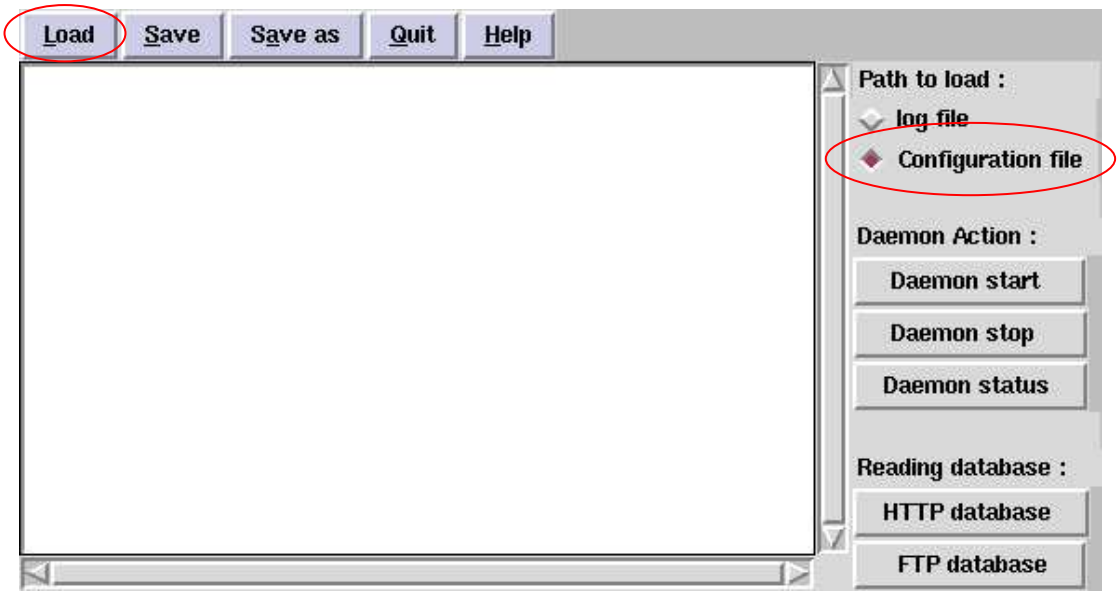
A new directory called snooppix-1.1 should appear at the current position on your disk. You should then just enter the directory and follow me the instructions in the file called "INSTALL"

SNOOPPIX CONFIGURATION

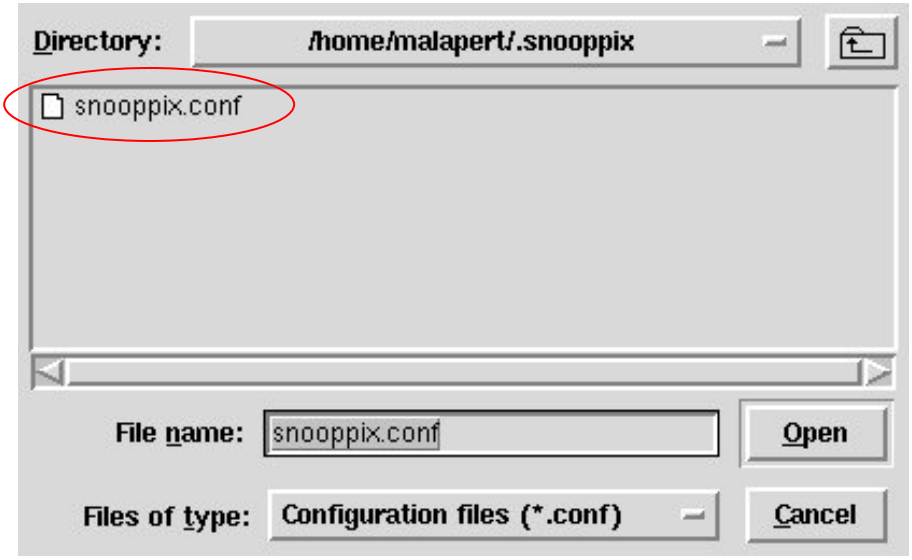
After snooppix installing, launch either PREFIX/bin/snooppix_gtk (prefix being /usr/local by default) or the web interface.

Opening configuration file by Perl-TK interface :

Select configuration file and type load :

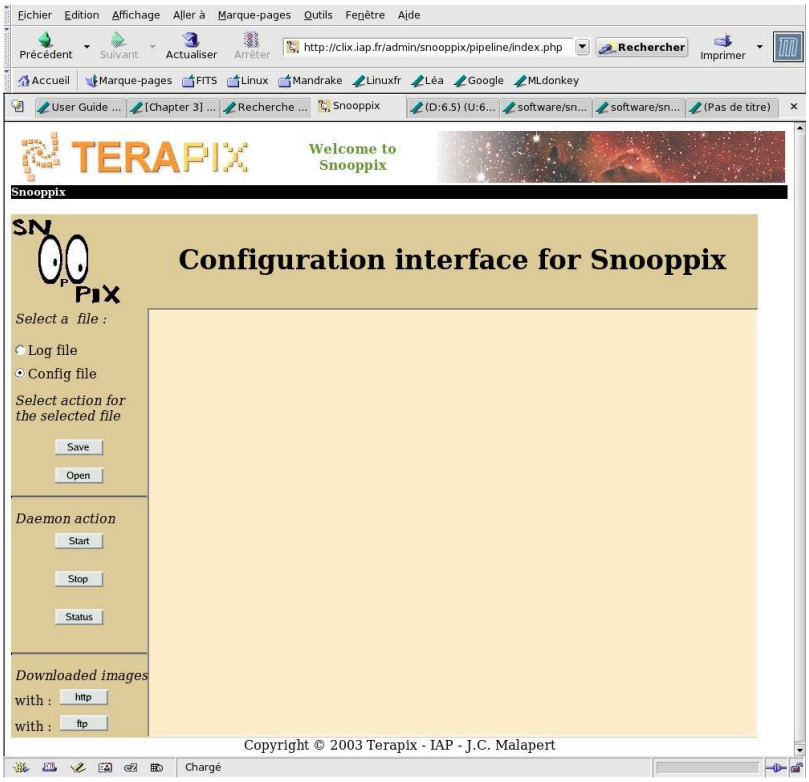


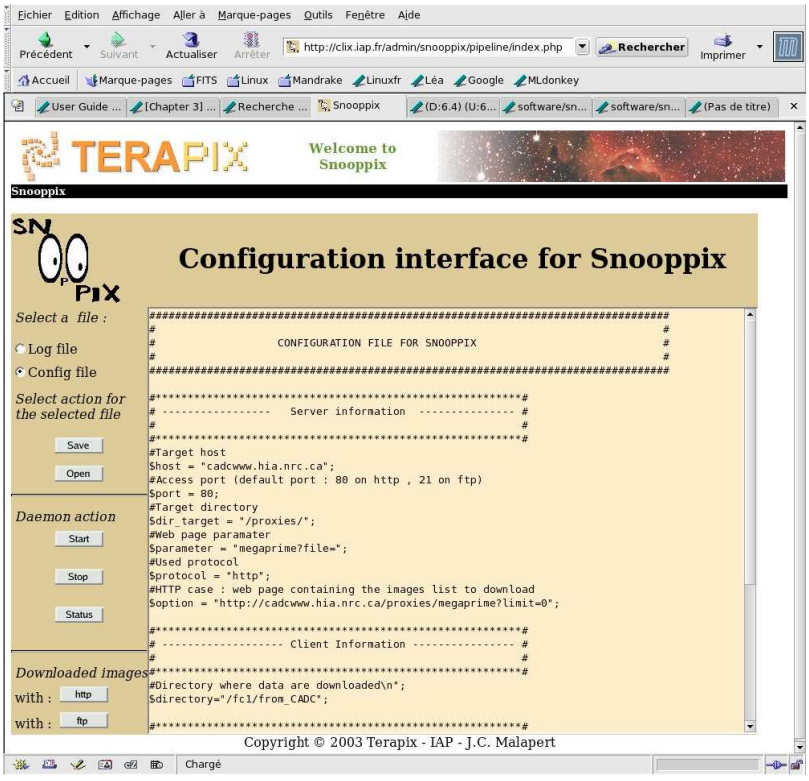
A new windows then appears and select snooppix.conf :



Once snooppix.conf is opened, you should have to get this window below :

Opening by web interface





Configuration parameter list

Here is a list of all parameters letting to download data :

Server information	
Parameters	***Description***
host	*Hostname on which data are availables*
port	*Access Port*
dir_target	*Directory seen outside where data are stored*
parameter	*Case for a CGI asking a parameter*
protocol	*Access protocol : http or ftp*
option	*Web page indicating list of links going to data*

Client information	
Parameter	***Description***
directory	*Path where data will be download data*

Download options	
Parameters	***Description***
time	*Sleep time between two connections*
option_wget	*Option for wget program*
nbmax_pid	*Number of downloads simultaneous*
file_option	*For file mode, put Y otherwise N*
found_data	*Download data only if filename contains the value of found_data. If you want to download all data, put $found_data = "";*

How to work SnoopPix

The followings sections describe shortly how to work Snooppix :

http mode

SnoopPix connect himself to $option and scans links as <a href="$parameter filename">. If filename contains $found_data, so the file will be download as http://$host:$port$dir_target/filename.

ftp mode

Snooppix connect himselt to ftp://$host:$port$dir_target and it downloads index containing file list to download. Then, Snooppix parses the document and send a ftp connection on each file.

file mode

When you active file mode option, you give URL to download data instead of parse a web page or FTP index.

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