



lkmonitor user's manual v 0.1



# Lkmonitor User's Manual

## V 0.1

**Note:** The present document describes the Lkmonitor version 0.1. For other versions, please get the correct manual.

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### 1. - Introduction

Lkmonitor is a tool that shows system information like CPU characteristics or memory statistics. It is developed in C language using Glib and Gtk libraries. In the current version, only CPU and memory information is provided.

### 2.- Installation

Lkmonitor is distributed as one tarball tgz. You can download the latest version from our Website:

<http://lkmonitor.sourceforge.net>.

In order to compile and install this software you should follow the following steps:

- |                 |                                     |                                       |
|-----------------|-------------------------------------|---------------------------------------|
| 1 <sup>st</sup> | <code>tar xvzf lkmonitor-0.1</code> | to decompress and unpack source code. |
| 2 <sup>nd</sup> | <code>cd lkmonitor-0.1</code>       | to change the new created directory.  |
| 3 <sup>rd</sup> | <code>./configure</code>            | to verify the libraries dependencies. |
| 4 <sup>th</sup> | <code>make</code>                   | to compile software.                  |
| 5 <sup>th</sup> | <code>make install</code>           | to install the new software.          |

If this process does not show any error, software will be correctly installed.

In order to make the installation in a local directory, the option `-prefix` must be used, during *configure* step, in this way:

```
./configure -prefix=/home/user/my_directory_for_lkmonitor
```



If you need more information about how to install .tgz files, you can read 'howto' documents about packets installation from the source code.

### 3.- Executing Ikmonitor.

To execute the tool, you only must to execute the binary file Ikmonitor. Its location can vary if *-prefix* option was used during *configure* step.

### 4.- Using Ikmonitor

Lkmonitor starts by showing a window with some tabs. Each panel shows a different kind of information. In the current version only CPU and memory information are detailed.

The following figure corresponds to a CPU panel capture:

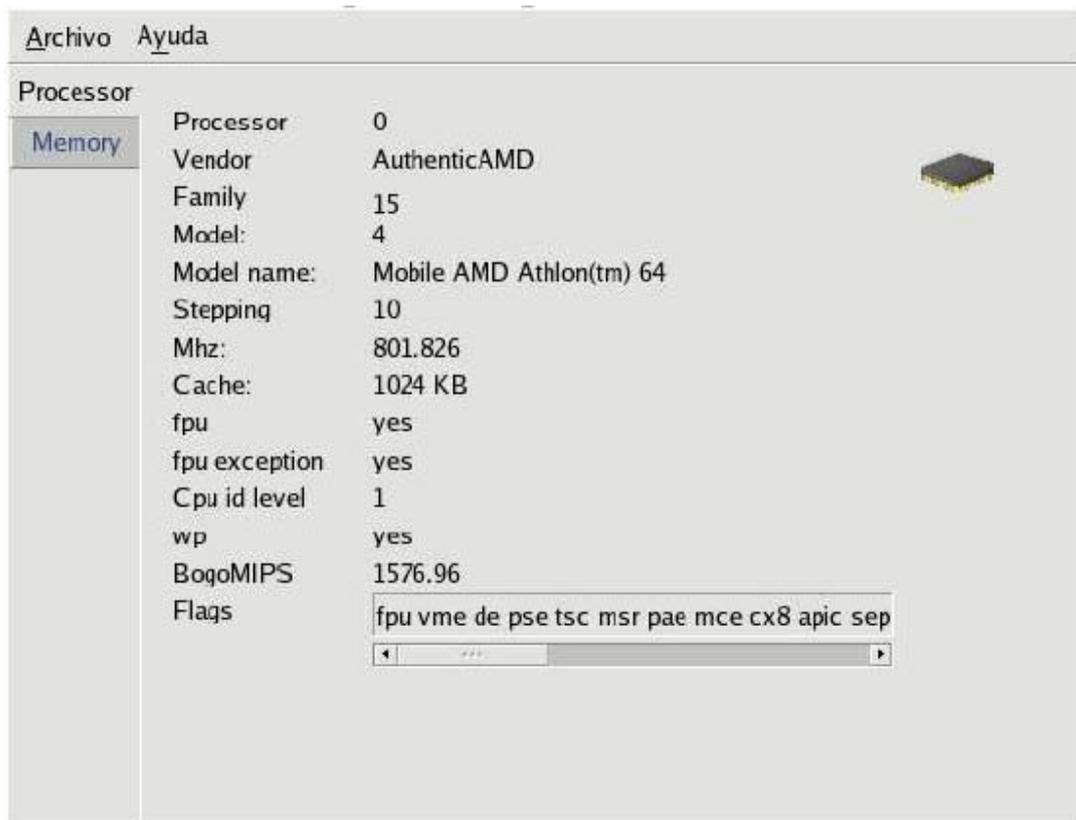


Figure 1: CPU panel.

Most of the sections are self-explanatory. Clock frequency, cache size, CPU producer company name and other parameters are obtained.

The other panel shows memory information:

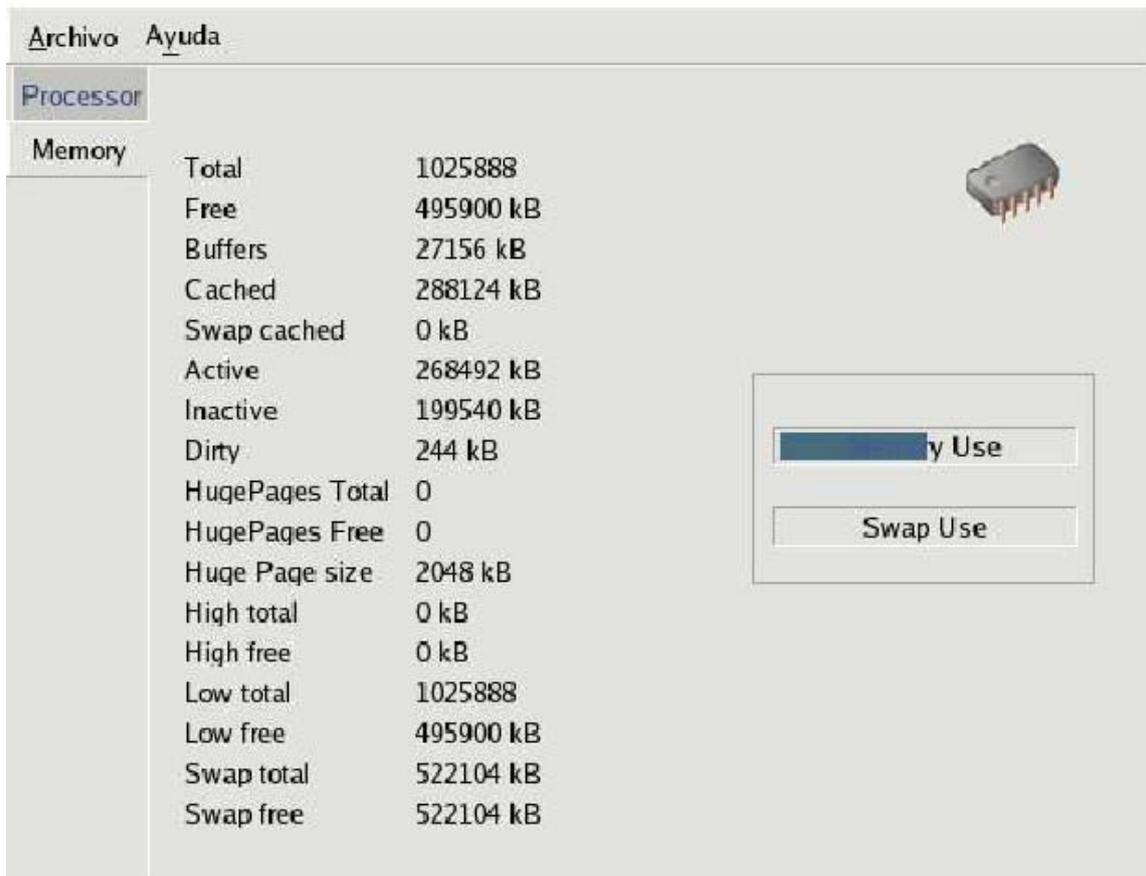


Figure 2: Memory panel

Like in CPU panel, most of sections are self-explanatory. Sometimes, some of the parameters may appear as *unknown*. This is not indeed a bug. This happens because your system does not offer information enough about those specific parameters.

If the *Swap Use* bar appears as *not present* implies that the swap partition size has not be able to be determined. Please, verify it is correctly activated.