

# **LVODump**

Marco Favaretto

**COLLABORATORS**

	<i>TITLE :</i> LVODump		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Marco Favaretto	February 12, 2023	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## LVODump

### 1.1 LVODump 1.0

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LVODump - LVO table generator

Version 1.0 31 August 1995

Copyright © 1995 Marco Favaretto

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Do not worry about this impressive array of gadgets, because there are few informations behind them, for the program is quite simple; I just seized my opportunity to learn how to write an AmigaGuide database.

~Introduction~

What is LVODump?

~Requirements~

What system do I need?

~Installation~

Before you can use LVODump.

~Usage~~~~~

How to use LVODump.

~Error~Codes~~

How to understand what went wrong.

~Tips~~~~~

Some less obvious possibilities.

~Bugs~~~~~

---

```

        What does not work?

~History~~~~~
        What is new in this version?

~To~do~~~~~
        Future enhancements.

~Disclaimer~~~
        Short: use it at your own risk!

~Copyright~~~~
        About legal issues.

~Mailware~~~~~
        What is it?

~Support~~~~~
        About updates and support.

~Author~~~~~
        Who I am and where you can reach me.

```

## 1.2 LVODump 1.0 - Introduction

One day, I wanted to print a reference list of Library Vectors ↔  
Offsets (LVO)  
for the 3.1 system release, similar to appendix D of RKM - Libraries and  
Devices.

I tried the

```

        lvo
        program in the 3.1 developers update disks, but its output
doesn't satisfied me; so I wrote this little program that does a very simple
task: it reads a .fd file and prints out a complete reference list.

```

The program understands and correctly uses the .fd directives ##base, ##bias,  
##private, ##public and ##end.

## 1.3 lvo banner

```

lvo v37.3 Copyright (c) 1990-1993 Commodore-Amiga, Inc. All Rights Reserved
Usage: lvo library [funcname | LVO=0xhhhh,-0xhhhh,-n | ROMADDRESS=0xhhhhhhh]
Options: [CONTAINS] [WEDGE LINE [wedgeopts]] OR: lvo library EQUATES
>library_lib.i to output _lib.i equates Needs FD: assign to where FD's are

```

## 1.4 LVODump 1.0 - Requirements

---

None at all. This program is self-sufficient, and it should work with every system release, from 1.0 (there's anybody still using it?!?!) to 3.1, although I tested it only on my machine, an A4000/030 with 2Mb Chip and 2Mb Fast, running Workbench 3.0.

## 1.5 LVODump 1.0 - Installation

The only essential file is the executable LVODump. Copy it wherever you want, better into a path directory.

## 1.6 LVODump 1.0 - Usage

LVODump 1.0 © Marco Favaretto 1995

Usage: LVODump <.fd file> [NOTAB] [NOHEADER] [NOBASE] [NOPRIVATE]

LVODump can be launched only from Shell. You can obtain the command template the usual way (LVODump ?). Of course, output redirection is possible.

Parameters:

.fd file      The program searches both the current directory and the fd:  
logical assign for it. <.fd file> can be either

                  <filename>                    or    <filename>\_lib.fd

so, for example, you can type either

                  LVODump AmigaGuide    or    LVODump AmigaGuide\_lib.fd

NOTAB        As default, LVODump puts a TAB char (ascii 9) between each  
output columns in the output; if you prefer a space char  
(ascii 32), specify NOTAB in the command line;

NOHEADER    As default, LVODump prints an header line like the following  
before the list of LVOs:

                  Dos Library Vectors Offsets    (Base name: \_DOSBase)

If you do not want the header, specify NOHEADER in the command  
line;

NOBASE      If you want the header, but do not want the Base name, specify  
NOBASE in the command line;

NOPRIVATE   As default, LVODump prints private LVOs as well as public LVOs;  
if you prefer a list without private LVOs, specify NOPRIVATE in  
the command line.

---

## 1.7 LVODump 1.0 - Error Codes

LVODump uses the following error codes that can be useful for scripts.

```

0: No errors

21: Syntax error                (command line error)

22: Missing Filename           (command line error)

23: File not found

24: Missing Bias directive     (.fd file problem)

25: Invalid Bias value        (.fd file problem)

26: Unknown directive         (.fd file problem)

```

## 1.8 LVODump 1.0 - Tips

Here are two AmigaDos scripts useful for creating full sorted list of LVOs. They are quite smart scripts, and you can study them to learn how to use the LIST LFORMAT option, the ECHO escape sequences and something useful about EDIT.

These scripts requires at least AmigaDOS 1.3 (for the LIST LFORMAT option and the ECHO NOLINE option). While you can do without NOLINE, there's no (simple) way to substitute LFORMAT.

Please note that the LIST command MUST be written entirely on the same line, joining each line exactly after the \*n on the preceding line. For example, where you read in this file

```

LIST >ram:LVOCmds fd: LFORMAT="LVODump >ram:%m      %s*n
                        ECHO  >>ram:%m      *"*n*" NOLINE*n
                        TYPE   ram:%m >>ram:LVOListNum*n
                        DELETE  ram:%m >NIL:"

```

it must read in the script file (... means omitted parts)

```

LIST ... LFORMAT="LVODump ... %s*nECHO ... NOLINE*nTYPE ... *nDELETE ...

```

Please note also that the spaces MUST be exactly preserved, otherwise SORT will not produce correct order.

The following AmigaDOS script creates the file LVOListNum that contains a full list of all LVOs, sorted by offset number.

```

-----
ECHO >ram:LVOListNum
LIST >ram:LVOCmds fd: LFORMAT="LVODump >ram:%m      %s*n
                        ECHO  >>ram:%m      *"*n*" NOLINE*n
                        TYPE   ram:%m >>ram:LVOListNum*n

```

---

```

                                DELETE   ram:%m >NIL:"
SORT FROM ram:LVOCmds TO ram:LVOCmds COLSTART=14
EXECUTE ram:LVOCmds
DELETE >NIL: ram:LVOCmds

```

---

The following AmigaDOS script creates the file LVOListAlpha that contains a full list of all LVOs, sorted by function name. The script requires the EDIT command.

---

```

ECHO >ram:LVOListAlpha NOLINE
ECHO >ram>EditCmd1 "B //Replacement          *nW*n"
ECHO >ram>EditCmd2 "GE /Replacement        /*nW*n"
LIST >ram:LVOCmds fd: LFORMAT="LVODump >ram:%m      %s*n
                                EDIT      ram:%m      WITH ram>EditCmd1 OPT W255*n
                                SORT      ram:%m      ram:%m COLSTART=19*n
                                ECHO     >>ram:%m      *"*n*" NOLINE*n
                                TYPE     ram:%m      >>ram:LVOListAlpha*n
                                DELETE   ram:%m >NIL:"
SORT FROM ram:LVOCmds TO ram:LVOCmds COLSTART=14
EXECUTE ram:LVOCmds
EDIT ram:LVOListAlpha WITH ram>EditCmd2 VER NIL: OPT W255
DELETE >NIL: ram>EditCmd? ram:LVOCmds

```

---

## 1.9 LVODump 1.0 - Bugs

None known. The program is quite simple, so it isn't likely there are many. ←

Anyway, if you find one (or more :( ), please report to me

.

## 1.10 LVODump 1.0 - History

Program history in reverse chronological order.

Date	Version	Notes
950828	1.0	First release

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## 1.11 LVODump 1.0 - To Do

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Planned future enhancements are:

- GUI
- Font selection
- Print preview
- Localisation
- ARexx interface

Yeah, yeah, just kidding. The program does exactly what I want it to. If you have some reasonable request, or better a very good idea, tell

me

about it and

maybe I will implement it. Otherwise, following the

mailware

directives, you

can implement it by yourself, as the source is included.

## 1.12 LVODump 1.0 - Disclaimer

Standard disclaimer:

THERE IS NO WARRANTY FOR THE SOFTWARE TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHERE OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE SOFTWARE "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE IS WITH YOU. SHOULD THE SOFTWARE PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY REDISTRIBUTE THE SOFTWARE AS PERMITTED BELOW, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE SOFTWARE (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE SOFTWARE TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Pfeew!

## 1.13 LVODump 1.0 - Copyright

LVODump is copyright © 1995

Marco~Favaretto

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The program, its source and all related files are released as

mailware

.

## 1.14 LVODump 1.0 - Mailware

You can do whatever you want with this program, its source and all ←  
related  
files, as long as:

- You send  
me  
some mail; I prefer postcards, but I'll gladly accept other  
snail-mail and e-mail;
- You not charge for them, other than the cost of the media and duplication  
fees, as long as they don't exceed the fees taken by Fred Fish;
- You send  
me  
a copy of the source, if you modify and release it;
- You ask for my written permission to use them in commercial or shareware  
products;
- You keep  
my~name  
with the program.

Distribution is allowed in all forms, such as BB systems, floppy or compact  
disks, and ftp sites.

By the way, I will not refuse gifts, money, 4Mb SIMMS, software, ... :)

## 1.15 LVODump 1.0 - Support

No software is perfect. If there are any new versions available, ←  
perhaps  
because there is a bug fixed or a feature was added, I will upload it to the  
Aminet ftp sites.

I am open to suggestions and comments. Also, if you have problems with the  
program, you can contact

me  
to ask for help.

## 1.16 LVODump 1.0 - Author

To send suggestions, bug reports, comments, gifts, flames and ←  
especially  
mail  
,

you can contact me at the following address:

Snail-mail: Marco Favaretto  
Via Feletto, 78

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33100 UDINE  
ITALY

e-mail: favarett@dimi.uniud.it

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