

080ad918-0

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Chapter 1

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1.1 Index

OEL 0.4
(Oberon-A Error Lister)
Monday 15-Aug-94

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History	EXPORT WishList;
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1.2 About the author

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If you find OBumpRev useful, feel free to let me know about it on the back of a postcard of your town. However, you are not obliged to do so.

1.3 Introduction to OEL

Oberon-A Error Lister (OEL) reads the error file produced by Oberon-A and the Oberon source code, and displays a description of the error with a couple of lines of the source code.

The philosophy of OEL is to follow the Amiga Guidelines as close as possible. This means parsing arguments with AmigaDOS's RArgs. Localization through the use of language catalogs. And featuring an ARexx port which lets OEL communicate with your favourite ARexx capable editor. A preference editor is also in the works.

OEL uses buffered input and output to speed it up, making the whole process of listing errors a little less painful. OEL is pure, meaning that you can make it resident and speeding it even further.

OEL has a host of options with which you can customise OEL in almost any possible way.

- OEL requires Kickstart and Workbench 2 as it:
- o Parses the CLI arguments with AmigaDOS's ReadArgs function.
 - o Uses buffered input/output.
 - o Support localization. (Kickstart and Workbench 2.1 required)

1.4 Configuring OEL

OEL uses AmigaDOS to parse the arguments passed to it. This presents the user with a consistent interface and goes a long way to make OEL Amiga Style compliant.

You can get the template string by invoking OEL with a "?" as argument. This is useful if you are not sure about a argument keyword.

Except for the first argument MODULE that is required, the rest you can use to tailor the input and output of OEL to your needs.

Argument	Description
MODULE	The only required argument and normally if you execute OEL from the CLI you would only specify this argument.
MODEXT	The default is to append ".mod" to the MODULE argument to find the source file. Was renamed in version 0.5 from MODULEPOSTFIX to MODEXT.
ERREXT	The default is to append ".err" to the MODULE argument to find the error file. Was renamed in version 0.5 from ERRPOSTFIX to ERREXT.
COLWIDTH	The default is width at which source text is formatted is 71 columns. OEL will intelligently wrap longer lines. The default column width was changed from 75 to 71 so that the default settings's output would fit

	on a 640 pixel wide screen with a Topaz 8 font.
COLSEPERATOR	The default seperator between line numbers and lines of source text is a space, but you could supply another string to prettify the error listing. As an example, COLSEPERATOR=" ", would print a vertical line seperating line numbers and source text.
NOLINENUMBERS	The default is to insert the line number of the lines of the source text that is outputted. This switch is present only for the sake of consistency, as without the line numbers it is harder (read: almost impossible) to make much sence of the error listing.
ERRNUMBERS	The default is to suppress the printing of the numeric value of the error messages. This switch is best ignored unless this kind of information could be relevant to you.
NOANSI	The default is for the output to be formatted with ANSI escape codes. If plain ASCII text is required then this switch should specified.
TAGLENGTH	The default is 1. The number of leading and trailing lines that surrounds lines that have errors on it is given by this argument. This number should be 0 or a positive integer.
TABSIZE	The default is 8. The argument takes a positive integer that specifies the width of a horisontal tab.

1.5 Installing OEL

Installing is a breeze. Simply unpack the archive with LHA to the directory you keep Oberon-A.

For example: `LHA -a x Oberon-A_1.4_annex1.lha OBERON-A:`

If you have Oberon-A installed you probably have OBERON-A:C in your search path. If not you should also add the following to your S>User-Startup.

```
Assign >NIL: OBERON-A: Work:Dev/Oberon-A
Path >NIL: OBERON-A:C ADD
```

The archive should contain the following files:

Files	Short description
Docs (dir)	
OEL.guide	This autoguide.
C (dir)	
OEL	The executable program.
Texts (dir)	

GPL.txt	GNU General public license.
Source (dir)	
OEL (dir)	
ErrorMessage.cd	Catalog description file.
ErrorMessage.ct	Catalog translation file.
ErrorMessage.mod	Builtin english strings.
OEL.cd	Catalog description file.
OEL.mod	The program text.
OEL.revlog	Revision history file.
OELMsg.mod	Builtin english strings.
OELRev.mod	Revision module.
Library (dir)	
ANSI.mod	Buffered ANSI sequences.
BufIO.mod	Buffered input/output module.

1.6 Starting OEL

From the CLI:

The simplest way to invoke OEL is to execute it supplying only the MODULE argument. As an example:

```
OEL Work:Source/FooBar
```

OEL let's you configure it's inputs and the way the output is formatted in a number of ways. This is done through the use of arguments. Since there is no way to change the default settings of these arguments as of yet, you may get around this problem with using an alias. For example:

```
Alias MyOEL OEL [] COLSEPERATOR=" | " COLWIDTH=120
```

From Workbench:

Not yet documented.

1.7 The ARexx port

An ARexx port is not yet implemented, but don't dispare as it's in my to do list.

1.8 Localization

OEL uses localization to present the user in her preferred language. It also make it possible to easily add support for another language through the use of catalogs.

For more information on localization and the Locale preference editor see the Workbench manual that came with your Amiga computer.

There are 2 ways to make a new catalog:

1. You could edit an existing catalog with a utility like CatEdit.
2. Edit the catalog translation file and "compile" a new catalog file with FlexCat. For this purpose ErrorMessage.cd (the catalog description file) and ErrorMessage.ct (the catalog translation file) is included with the OEL archive.

1.9 ARexx examples

An ARexx port is not yet implemented, but don't dispare as it's in my to do list.

1.10 To do list

In order of priority:

1. Keep ErrorMessage.catalog up to date. (Frank Copeland)
2. Add an ARexx port for communication to editors.
3. Add localization for OEL self. (done)
4. A preference editor and where the default settings for OEL's arguments gets store in ENVARC:
5. Better Workbench support. Should use the Tooltypes.
6. Should be able to open an AppIcon on Workbench.

1.11 Acknowledgement

OEL 0.5 is written by Johan Ferreira.
Oberon-A Error Lister (OEL). Copyright © 1994 Johan Ferreira.

OEL.guide was compiled using Heddley.
Heddley. Copyright © 1994 Edd Dumbill.

OEL is compiled with Oberon-A.
Oberon-A. Copyright © 1994 Frank Copeland.

I wish to thank Frank Copeland for his marvellous Oberon-A and his excellent job of maintaining it.

Oberon-A source description for FlexCat by Albert Weinert.
FlexCat 1.3. Copyright © 1994 Jochen Wiedmann.

1.12 Cape Town for 2004 Olympics

Will the 2004 World Olympic Games be held for the first time in Africa?

Cape Town - the Cape of Good Hope - the place to be in 2004!

```

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|\      o Johburg  /  |  _--\___  |  _____  |
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|  |      Sbosch  o E. London|  \      /  |  |      |  |
|Cape \o *_____o_____/  |  |_____  |  |      |  |
|Town \_/_/      Port Elizabeth  |  |      \*_/_/  |  |
-----|

```

(Source: inusaloe.ufh.ac.za)

1.13 Distribution

Oberon-A Error Lister (OEL)

Copyright (C) 1994 Johan Ferreira

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