

Index.doc

COLLABORATORS

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	Index.doc	1
1.1	Oberon-A AmigaGuide Index	1
1.2	The Oberon-A compiler	2
1.3	The Oberon-A utilities	3
1.4	Programming with Oberon-A	3
1.5	The Amiga operating system interface	3
1.6	Support modules for Amiga programming	4
1.7	Interfaces to third party libraries	4
1.8	Generally useful library modules	4
1.9	An application framework	4
1.10	Modules ported from 'Project Oberon'	5
1.11	Modules ported from 'Programming in Oberon'	5
1.12	Modules ported from 'OOP in Oberon-2'	5
1.13	Source code for the compiler	5
1.14	Assembly source code for the run-time system	6
1.15	Source code for the utilities	6
1.16	Source code for example programs	6
1.17	Source code for miscellaneous programs	6
1.18	Revision History	7

Chapter 1

Index.doc

1.1 Oberon-A AmigaGuide Index

\$RCSfile: Index.doc \$

Description: Index of documentation and source code in the Oberon-A distribution

Created by: fjc (Frank Copeland)

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This file is part of Oberon-A.

See Oberon-A.doc for conditions of use and distribution.

This document is an index of the documentation and program source code files provided with the Oberon-A distribution. It contains active links to all the files listed, and clicking on a link will display the file.

Documentation

Oberon-A The Oberon-A package.

 Compiler

 The Oberon-A compiler

 Utilities

 The Oberon-A utilities

 Programming

 Programming with Oberon-A

Source Code

 Amiga

 The Amiga operating system interface

 AmigaUtil

Support modules for Amiga programming

3rd Party

Interfaces to third party libraries

Library

Generally useful library modules

Framework

An application framework

Project Oberon

Modules ported from 'Project Oberon'

Prog. in Oberon

Modules ported from 'Programming in Oberon'

OOP in Oberon-2

Modules ported from 'OOP in Oberon-2'

Compiler

Source code for the compiler

OberonSys

Assembly source code for the run-time system

Utilities

Source code for the utilities

Examples

Source code for example programs

Misc

Source code for some miscellaneous programs

Other

History

Revision history

1.2 The Oberon-A compiler

OC Using the compiler

Error codes Error codes output by the compiler

Discussion of the compiler's implementation

Internal data Data structures used by the compiler

Memory The memory management system

Symbol Files The format of symbol files

Documents from ETH

Tech Notes	Oberon Technical Notes
Symbol Files	Technical note on symbol files
OP2	Description of a portable Oberon compiler

1.3 The Oberon-A utilities

These documents describe the utilities provided with Oberon-A

FPE	Using the programmer's environment
OL	Using the pre-link utility
BLink	Using the linker
ORU	Using the recompilation utility

1.4 Programming with Oberon-A

These texts are useful for Oberon programmers.

Oberon Report	The Oberon language report
Oberon-2 Report	The Oberon-2 language report
Modula to Oberon	From Modula-2 to Oberon
C to Oberon	Translating from C to Oberon
OOP in Oberon-2	Object-oriented programming in Oberon-2

1.5 The Amiga operating system interface

The modules listed here provide an interface to the Kickstart 2.04 operating system.

Types	Basic types	Hardware	Hardware definitions
Libraries			
Asl	asl.library	Commodities	commodities.library
DiskFont	diskfont.library	Dos	dos.library
Exec	exec.library	Expansion	expansion.library
GadTools	gadtools.library	Graphics	gfx.library
Icon	icon.library	IffParse	iffparse.library
Intuition	intuition.library	Layers	layers.library
MathFfp	mathffp.library	MathTrans	mathtrans.library
Rexx	rexx.library	Translator	translator.library
Utility	utility.library	Workbench	workbench.library
Devices			
Audio	audio.device	BootBlock	
Clipboard	clipboard.device	Console	console.device
GamePort	gameport.device	HardBlocks	
Input	input.device	InputEvents	

Keyboard	keyboard.device	KeyMaps	key maps
Narrator	narrator.device	Parallel	parallel.device
Printer	printer.device	ScsiDisk	
Serial	serial.device	Timer	timer.device
TrackDisk	trackdisk.device		

Resources

BattClock	battclock.resource	BattMem	battmem.resource
Cia	cia?.resource	Disk	disk.resource
FileSystem	FileSystem.resource	MathResource	MathIEEE.resource
Misc	misc.resource	Potgo	potgo.resource

1.6 Support modules for Amiga programming

These modules provide support for users of the system libraries.

ExecUtil	Support for exec.library
DosUtil	Support for dos.library
IntuiUtil	Support for intuition.library
TimerUtil	Support for timer.device
Args	Parses command-line and Workbench arguments

1.7 Interfaces to third party libraries

These modules define the interfaces to some useful non-Commodore libraries.

ARP	The AmigaDOS Replacement/Resource Project's arp.library
ARPUtil	Support for arp.library
IntuiSup	Torsten Jürgeleit's intuisup.library
IntuiSupUtil	Support for intuisup.library

1.8 Generally useful library modules

BigSets	Implements sets bigger than a machine word
Errors	Error handling
Lists	Implements list management in the style of Exec lists
StdIO	Simple formatted IO using the standard input and output handles
Strings	Basic string operations and numeric conversions
Util	Basic utility procedures

1.9 An application framework

These modules form part of an application framework which when complete will allow programmers to quickly create complex applications from standard components.

Events	Implements classes making up an event management system
GTEvents	Extends classes in Events to handle GadTools events
ISupEvents	Extends classes in Events to handle IntuiSup events

1.10 Modules ported from 'Project Oberon'

These modules are described in Wirth and Gutknecht, "Project Oberon", published by Addison-Wesley. The original source code is available in electronic form from ETH Zurich.

Files	Buffered and unformatted IO on files
Fonts	Font-handler used by module Texts
Oberon	Oberon System style date and time format
Reals	Numeric conversion procedures
Texts	The Oberon System's Text data type

1.11 Modules ported from 'Programming in Oberon'

These modules are described in Reiser and Wirth, "Programming in Oberon", published by Addison-Wesley. The original source code is available in electronic form from ETH Zurich.

RandomNumbers	Pseudo-random number generator
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1.12 Modules ported from 'OOP in Oberon-2'

These modules are described in Mössenböck, "Object-Oriented Programming in Oberon-2", published by Springer-Verlag. The original source code is available in electronic form from ETH Zurich.

None ported yet

1.13 Source code for the compiler

OCG	Global declarations and procedure tracing
OCS	Lexical scanner
OCT	Symbol table handler
OCC	Code generation and output
OCI	Code selection support
OCE	Code selection in expressions
OCP	Standard procedure calls
OCH	Code selection for statements
Compiler	Recursive-descent parser
OC	Argument parsing

1.14 Assembly source code for the run-time system

The run-time system is written in MC68000 assembly language. The source files are assembled independantly and Join'ed to create the file OberonSys.lib.

OberonSys.i	Global symbols
OberonSys	Initialisation and cleanup code
DISPOSE	SYSTEM.DISPOSE
DIVMOD	32-bit integer division
GC	SYSTEM.GC - the garbage collector
MOVE	SYSTEM.MOVE
MUL	32-bit integer multiplication
NEW	NEW - the memory allocator
SYSNEW	SYSTEM.NEW

1.15 Source code for the utilities

FPE modules

Data	Main data structure and operations
StringDialog	Generic string entry dialog
ToolDlgTpl	Tool dialog gadget definitions
ToolDlg	Tool dialog display and handling
FPETpl	Main window gadget definitions
FPEDlg	Main window display and handling
FPE	Initialisation and argument parsing

Other utilities

OL	Oberon-A pre-linker
ORU	Recompilation utility

1.16 Source code for example programs

EasyIntuition
EasyIntuition37

1.17 Source code for miscellaneous programs

GenPasswd	Random password generator
HalveFile	File splitter
StripCodes	Strips control codes from ASCII text
Text2Ascii	Converts Oberon Text to ASCII text

1.18 Revision History

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- Put OBERON-A: into path for links.

Revision 1.1 1994/05/13 19:07:53 fjc
- Prepared for release
