

OC.doc

COLLABORATORS

	<i>TITLE :</i> OC.doc		
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WRITTEN BY		August 30, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

OC.doc

1.1 OC.doc

```
$RCSfile: OCPrefs.doc $
Description: Documentation for the OC preferences tool

Created by: fjc (Frank Copeland)
$Revision: 1.1 $
$Author: fjc $
$Date: 1995/01/25 23:34:13 $
```

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OCPrefs is a tool for viewing and editing preferences files for the Oberon-A compiler, OC.

Distribution	Copyright and distribution
Requirements	What do I need to run OCPrefs

Running OCPrefs...

Shell	...from the Shell
Workbench	...from the Workbench

Settings	Preferences settings
----------	----------------------

The Author	Contacting the author
Changes	Changes since the last release
To Do	Bugs to fix and improvements to make
Release history	The history of OCPrefs

1.2 Distribution and Copyright

OCPrefs is part of Oberon-A and is:

Copyright © 1995, Frank Copeland

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

1.3 System requirements

OCPrefs requires an Amiga personal computer running AmigaOS 2.04 or greater (Kickstart 37 or greater).

1.4 Running OCPrefs from the Shell

Format: [FROM <filename>] [SAVE]
 [SEARCH <paths>] [SYMPATH <path>] [OBJPATH <path>]
 [ERRPATH <path>] [SYMEXT <ext>] [OBJEXT <ext>]
 [ERREXT <ext>] [VERBOSE | QUIET] [DEBUG | NODEBUG]
 [MAKEICONS | NOICONS] [SET <selectors>]
 [CLEAR <selectors>] {<filename>}

Template: FROM, SAVE/S, SEARCH/K,
 SYMPATH/K, OBJPATH/K, ERRPATH/K,
 SYMEXT/K, OBJEXT/K, ERREXT/K,
 VERBOSE/S, DEBUG/S, MAKEICONS/S,
 QUIET/S, NODEBUG/S, NOICONS/S,
 SET/K, CLEAR/K, FILES/M,

Purpose: To view and edit the preferences settings for the
 Oberon-A compiler, OC.

Path: Oberon-A/OCPrefs

OCPrefs will display the current settings stored in the file given as an argument. If no file is given, the default of "OC.prefs" is assumed. Preferences files are searched for first in the current directory, then in "PROGDIR:" (the directory containing the OCPrefs tool), and finally in "ENV:OC".

The remaining arguments with the exception of SAVE can be used to over-ride the settings stored in the specified preferences file. The new settings will be displayed instead of the settings in the preferences file. See Preferences Settings for a description of the currently supported settings.

If the SAVE argument is given the displayed settings are written to the file given as an argument, or in "OC.prefs" if none is given.

The Shell stack should be set to at least 4000 bytes. See the Stack command in the AmigaDOS manual.

1.5 Running OCPrefs from the Workbench

See Running OCPrefs from the Shell for a general description of the tool's operation and the effect of the various arguments.

If the OCPrefs icon is double-clicked the tool is run according to the tooltypes stored in its icon. If a preferences file is given as an argument by extended selection, or by double-clicking the file's icon, the tool is controlled by the tooltypes in the preference file's icon.

All the arguments available when running the tool from the Shell can be specified as tooltypes. The tooltypes can be edited by clicking the icon and selecting the "Information" item from the Workbench "Icons" menu.

For switch arguments like SAVE the name of the argument is entered as a tooltype. Keyword arguments like SEARCH are entered as "SEARCH=<argument>". If a preferences file is passed as an argument, the FROM tooltype, if any, is ignored. The standard WINDOW tooltype is also understood by OCPrefs. If it is omitted a default console window is opened.

A typical list of tooltypes might look like this:

```
WINDOW=CON:0/0/640/200/OCPrefs.../CLOSE/WAIT
FROM=OCLib.prefs
(SAVE)
SEARCH=Code
SYMPATH=Code
OBJPATH=Code
...
```

Enclosing the SAVE argument in parentheses disables it without the need to delete the entire tooltype. To enable it, edit the tooltype to remove the parentheses and save the icon.

Running OCPrefs with the tooltypes given will display the settings in the file "OCLib.prefs", replacing the SEARCH, SYMPATH and OBJPATH settings with the values given. To update the preferences file with the new settings, you would enable the SAVE argument and run OCPrefs again.

If the SAVE argument is given and the preferences file does not already have an icon, OCPrefs will automatically create one for it. The default icon is found in "ENV:OCPrefs/def_prefs.info".

The default stack should be set to at least 4000 bytes.

1.6 Who is responsible for THIS?

OCPrefs was written by Frank Copeland.

For information on how to contact the author, see Oberon-A.doc.

1.7 Release history

1.1 Initial version

- 1.2
 - Added Workbench interface.
 - Changed to reflect changes in the preferences file format.

1.8 Preferences Settings

The following settings are currently supported:

SEARCH: one or more directories to be searched for symbol files. If more than one directory is specified, the entire list must be enclosed in quotes. The "OLIB:" directory is always searched, and does not need to be specified.

SYMPATH, OBJPATH, ERRPATH: the directories in which to output symbol, object and error files respectively.

SYMEXT, OBJEXT, ERREXT: the file extensions appended to the module name to create the names of symbol, object and error files respectively.

VERBOSE: the compiler produces a verbose description of the compilation, including the names of symbol files imported, the names of any files created and the size of the code and data generated.

QUIET: turns off the VERBOSE setting if it is set in the preferences file.

DEBUG: the compiler outputs symbol hunks in the object file for use by a debugger.

NODEBUG: turns off the DEBUG setting if it is set in the preferences file.

MAKEICONS: the compiler will create an icon for each symbol, object and error file it outputs, if there is not one already. The default icons are "ENV:OC/def_sym.info", "ENV:OC/def_obj.info" and "ENV:OC/def_err.info" respectively.

NOICONS: turns off the MAKEICONS setting if it is set in the preferences file.

SET: one or more compiler options, pragmas and/or selectors that are set to ON for the compilation. This is the equivalent of placing one or more of the following statements at the beginning of the source text:

```
<* option+ *>
<*$ pragma+ *>
<* NEW selector *> <* selector+ *>
```

CLEAR: one or more compiler options, pragmas and/or selectors that are

set to OFF for the compilation. This is the equivalent of placing one or more of the following statements at the beginning of the source text:

```
< * option- * >  
< * $ pragma- * >  
< * NEW selector * > < * selector- * >
```