

# **EConomic**

Herbie van Staveren

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**REVISION HISTORY**

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## Chapter 1

# Economic

### 1.1 Economic

Economic 0.92b Copyright © 1995 Herbie van Staveren  
A Style Guide compliant GUI to EC, Amiga E's compiler program, for  
use with Arexx supporting editors. Settings for CED and GOLDED builtin.  
Requires OS 2.04 and Bgui.library.

Introduction

Short description

Installation  
The program

Interface

Arexx port  
Legal stuff

Copyright/License

Aknowledgements

Version/Author/Notes

### 1.2 Short description

Economic short description

A Style Guide compliant GUI to EC, Amiga E's compiler program, for  
use with Arexx supporting editors. Compile and run with a click  
on a button, Relocate cursor at the erroneous line/byte, easy  
access to E development tools and much much more.

Version 0.92b, binary only.

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## 1.3 Installation

### Installation

1. As EConomic communicates with your editor through Arexx, you must have Arexx installed and activated.
2. If you haven't installed the Bgui.library yet, you must do so first. This library can be found in the Bgui.library drawer.
3. Copy EConomic to the directory you desire, the obvious place to put it is in your E binaries directory.
4. If you have the Reqtools installed (not included with this release) EConomic will use the Reqtools filerequester instead of the default Asl.library file requester.

### Running EConomic for the first time

1. Run your editor.
2. Run EConomic.
3. If your editor is running on its own public screen, select 'Next public screen' from the EConomic 'Preferences' menu until the EConomic main window appears on this public screen.
4. IF your E binaries are not located in 'E:bin' then you must tell EConomic where they are. Do this by selecting 'Locate E binaries...' in the 'Preferences' menu.
5. Next select 'Arexx...' from the EConomic 'Preferences' menu and configure the Arexx host and Arexx command entries to your editor. See the  
Arexx preferences window  
for more information on how to do this.  
CED or GOLDED users can simply go to the 'Project' menu of the arexx preferences window and select their preset, either 'CED' or 'GOLDED'.
6. If you are using ECDEMO you should select 'EC...' from the EConomic 'Preferences' menu, change 'EC' in the compiler section to 'ECDEMO' and seriously consider registration of Amiga E.

Now save your preferences, by selecting 'Save preferences', subitem 'Default' from the 'Preferences' menu.

NOTE: To quickly reach EConomic from within the editor you might want to assign an editor's macro or hotkey to launch it, refer to your editors manual on how to do this.

## 1.4 EConomic interface

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Gadgets

Project menu

Preferences menu  
EC preferences window

Gadgets

Project menu  
Arexx preferences window

Gadgets

Project menu  
Run preferences window

Gadgets

Project menu

## 1.5 Main project menu

Main window project menu

'About'	Pops up 'About' requester.
'Compile'	Compiles the source in the active editor window. 'EC' or 'ECDEMO' must be present in your E binaries directory.
'Run'	Runs a succesfully compiled program.
'Open project'	Loads file, previously set with 'Set project' into the editor.
'Set project'	Save current filepath as env variable, see above
'NewShell'	CD's to the current source directory and pops up a 'Newshell' on the public screen EConomic is running on.
'ShowModule...'	Pops up a filerequester from where you can select a module to execute 'ShowModule' with. The output will be directed to a newly opened editor file. 'ShowModule' must be present in your E binaries directory.
'ShowCache...'	Executes 'ShowCache'. Outputs to a CON: window on the public screen EConomic is running on. 'ShowCache' must be present in your E binaries directory.
'FlushCache'	Executes 'FlushCache' wich must be present in your E binaries directory.

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'Aprof'	Executes 'Aprof' with the current compiled program. If the program has not been compiled with the SYMBOLHUNK option a requester pops up allowing to compile with this option first. 'Aprof' will be opened on the public screen EConomic is running on and must be present in your E binaries directory.
'Edbg'	Executes 'Edbg' with the current compiled program. If the program has not been compiled with the DEBUG option a requester pops up allowing to compile with this option first. 'Edbg' must be present in your E binaries directory.
'Quit'	Quits EConomic.

## 1.6 Main preferences menu

Main window preferences menu

'EC...'	Pops up the EC preferences window.
'Arexx...'	Pops up the Arexx preferences window.
'Run...'	Pops up the Run preferences window.
'Locate E binaries...'	Pops up a filerequester from where the path to the E binaries directory can be selected.
'Next public screen...'	Pops EConomic to the next public screen.
'Use local preferences'	When set, when compiling, look for local preferences and use them if they exist. The local preferences filename should be '<name>.eco' (where <name> is the sourcename without the '.e' extension) in order for this to work.
'EC output'	When set, EConomic directs the compiler output to a CON: window on the public screen EConomic is running on, else directs the output to 'NIL:'
'Save before compilation'	When set, EConomic saves the source before compilation.
'Icon creation'	When set, EConomic creates a default tool icon for the compiled program.
'Beep on error'	When set, EConomic beeps on errors.
'Center mouse'	When set, the requesters and preferences windows will open under the current mouse position.
'Buffered rp'	When set, the BGui.library engine uses a



buffered raster-port while rendering.

- 'Make pubscreen default'      When set, the public screen EConomic is running on will be the default public screen.
- 'Load preferences'            Sub-item 'Default'.  
Loads the default preferences.
- 'Load preferences'            Sub-item 'Local'.  
Will pop up a filerequester from where you can select a local preferences file to load.
- 'Save preferences'            Sub-item 'Default'.  
Saves current preferences as default.
- 'Save preferences'            Sub-item 'Local'.  
Pops up a filerequester from where local preferences can be saved. The local preferences filename should be '<name>.eco' (where <name> is the sourcename without the '.e' extention) in order to use a local preferences file with the 'Use local preferences' option. Local preferences files contain EConomic's 'EC' and 'Run' preferences, while the default preferences file contains all of EConomic's preferences.

## 1.7 EC preferences project menu

EC preferences project menu

- 'Default'                      Restores the EC preferences to the EConomic default; compile with option ERRLINE.

## 1.8 Arexx preferences project menu

Arexx preferences project menu

- 'CED'                          Set arexx preferences for use with CygnusEd.
- 'GOLDED'                      Set arexx preferences for use with GOLDED.

## 1.9 Run preferences project menu

Run preferences project menu

- 'Default'                      Restores the run preferences to the EConomic default; async, no-output and stack 4096.

## 1.10 Main window

Main window gadgets

The 'Compile' button will start compilation of the source in the active editor window, 'EC' or 'ECDEMO' must be present in your E binaries directory. The 'Run' button runs a successfully compiled program.

## 1.11 EC preferences window

EC preferences window gadgets

The top cycle selector lets you choose between 'EC' and 'ECDEMO' and all other gadgets allow you to set EC's options. Refer to the E.doc file, section 0D, for the meaning of these options.

## 1.12 Arexx preferences window

Arexx preferences window gadgets

In this window the following Arexx commands, through which Economic communicates with your editor, must be filled in:

Hostname	The Arexx portname of your editor.
Pre command	Arexx command to be executed before any other arexx command is send.
Filepath	Arexx command that returns the complete filepath to the file in the active editor window.
Jump to line	Arexx command that puts the cursor on a certain line, this command should expect a number as parameter.
Jump to byte	Arexx command that puts the cursor at certain file position, this command should expect a number as parameter.
New	Arexx command that opens a new window/document
Open	Arexx command that loads a file in the active editor, this command should expect a filename as parameter.
Save	Arexx command that saves the file in the active editor window.
Post command	Arexx command to be executed after all other arexx commands are done.

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## 1.13 Run preferences window

Run preferences window gadgets

These gadgets specify how the compiled program is run from within EConomic.

Note: these parameters are also saved with EConomic's local prefs.

## 1.14 Arexx Port

Arexx port

EConomic's ARExx port is called "EConomic.1" if EConomic is run only once. The ports of further EConomic tasks would be "EConomic.2", "EConomic.3" etc.

Why an arexx port ?

Arexx commands

## 1.15 Why an arexx port ?

Why an Arexx port?

EConomic's Arexx commands are probably not very usefull in Arexx scripts, but they can be used to make any of the EConomic menu-choices available from within the editor without having to activate EConomic's window. You can 'map' an EConomic menu-choice, through Arexx, to a key or key-combination of your editor.

Example for CED, map EConomic's menu-choice 'Compile' to key F2:

Go to the 'Special' menu, select menu-item 'DOS/Arexx interface' and select submenu-item 'Install DOS/Arexx command...'. Next enter '2' in the command number requester and finally in the command requester enter (including quotes): 'address "EConomic.1" compile'

## 1.16 Arexx Project

Arexx Project commands

about	as menu item 'About'
compile	as menu item 'Compile', results in errline/errbyte
compile <file>	as above, where <file> is a fullpath to an e-source
openproject	as menu item 'Open project'

```

openproject <file>      loads <file> into the editor
setproject              as menu item 'Set project'
openshell              as menu item 'NewShell'
showmodule              as menu item 'Showmodule'
showcache               as menu item 'Showcache'
flushcacha              as menu item 'Flushcache'
aprof                  as menu item 'Aprof'
edbg                    as menu item 'Edbg'
quit                    as menu item 'Quit'
quityes                as above, but skipping the 'Are you sure' request

```

#### Arexx Preferences commands

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ecprefs                as menu item 'EC...'
arexxprefs             as menu item 'Arexx...'
runprefs               as menu item 'Run...'
binaries               as menu item 'Locate E binaries...'
nextpubscreen          as menu item 'Next public screen...'
localprefs             as menu item 'Use local preferences' (set)
nolocalprefs           as menu item 'Use local preferences' (unset)
output                 as menu item 'EC output' (set)
nooutput               as menu item 'EC output' (unset)
save                   as menu item 'Save before compilation' (set)
nosave                 as menu item 'Save before compilation' (unset)
icon                   as menu item 'Icon creation' (set)
noicon                 as menu item 'Icon creation' (unset)
beep                   as menu item 'Beep on error' (set)
nobeep                 as menu item 'Beep on error' (unset)
center                 as menu item 'Center mouse' (set)
nocenter               as menu item 'Center mouse' (unset)
defscreen              as menu item 'Make pubscreen default' (set)
nodefscreen            as menu item 'Make pubscreen default' (unset)
bufrp                  as menu item 'Buffered rp' (set)
nobufrp                as menu item 'Buffered rp' (unset)
loaddefprefs           as menu item 'Load preferences', subitem 'Default'
savedefprefs           as menu item 'Save preferences', subitem 'Default'
loadlocalprefs         as menu item 'Load preferences', subitem 'Local'
savelocalprefs         as menu item 'Save preferences', subitem 'Local'

```

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See also

Warranty

## 1.19 Warranty

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See also

Disclaimer

## 1.20 Acknowledgements

Acknowledgements

Aprof, Edbg and ShowModule are part of the Amiga E release:

Amiga E, Ec, Ecdemo, Edbg and Showmodule	(c) 1991-1995 Wouter.
Aprof	(c) 1993-1994 Michael G. Binz.
Bgui.library	(c) 1993-1994 Jaba Development.
Reqtools.library	(c) 1991-1994 Nico François.
CygnusEd Professional (CED)	(c) 1987-1993 CygnusSoft Software.
Golded	(c) 1994 Dietmar Eilert.

## 1.21 this distribution

Files and programs in distribution

Economic	48964 executable
Economic.info	354 icon file
Economic.readme	573 text file
Economic.guide	22800 amigaguide document
Economic.guide.info	380 icon file

The files in the BGui.library drawer are (c) 1993-1994 Jaba Development, see BGui.library/Bgui.doc for their copyright- and license agreement.

## 1.22 Version/Author/Notes

Version/Author/Notes

Changes from v092:	<ul style="list-style-type: none"> <li>* some minor internal changes</li> <li>* now includes Bgui.library v1.1b, instead of v1.1</li> <li>* fixed some typos in guide document</li> </ul>
Changes from v092a:	<ul style="list-style-type: none"> <li>* Fixed a forgotten IF THEN in the filereq routine that caused an enforcer hit. Thanks Nuno!, I NOW promise to always do a final-enforcer check before I release something ;-)</li> </ul>

This program was programmed in E v3.1a

I programmed the skeleton of this utility about two years ago, for personal use, to help me get along with my e-programming for wich I use CygnusEd as an editor.

As a project of learning how to program in E while using the Bgui.library i turned it into a much more complete program, and finally, when i had decided to share it, spend a long time writing this guide!

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