

**PB\_GetSyntax.ced**

**COLLABORATORS**

	<i>TITLE :</i> PB_GetSyntax.ced		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		July 31, 2024	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# PB\_GetSyntax.ced

### 1.1 PB\_GetSyntax.ced

PB\_GetSyntax.ced 1.2 |  
PB\_SaveCompile.ced 1.0  
Programs and documentation by A. Greve

English isn't my native language. If You have problems reading this doc, please don't hesitate to contact the Author ...

Changes in this Guide's contents compared to the previous version will be marked with "|" at the right margin.

With these ARExx scripts the editing of PureBasic sourcefiles with Cygnus-Ed should go a little easier.

Features, News |  
Requirements |  
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### 1.2 Features, News

PB\_GetSyntax.ced 1.0:

- \* Pressing a (defineable) F key will show the syntax of the PureBasic command the cursor is under.
- \* If the script is started while CygnusEd isn't running yet, a source file can be selected via filerequester.

PB\_GetSyntax.ced 1.1, PB\_SaveCompile.ced 1.0:

- \* With a further defineable F key the source file can be saved and a Graphical User Interface for the PureBasic compiler can be started. By
-

- this the compiling process can be started without having to leave CEEd. For this function two further scripts must exist ("PureBasic:Extras/CygnusEd/PB\_SaveCompile.ced" and "PureBasic:GUI/PBCompiler-GUI.rexx", that's the GUI).
- \* When the filerequester (CEd isn't running yet) is canceled at start, CEEd starts with an empty window. Till now CEEd wasn't started too.
  - \* The Special characters like "\*", "@ and ":" are now included in the syntax check.

PB\_GetSyntax.ced 1.2:

- \* If started from Shell/CLI the script can take the filename of a PureBasic source as an argument. CEEd will be started with this file, or, if CEEd has been started before, a new View will be opened.

## 1.3 Requirements

PureBasic:

- \* PureBasic has to be installed (script will run with the demo version).
- \* "PureBasic:" must be assigned to the PureBasic directory.
- \* The "Help" directory "PureBasic:Help" has to be installed correctly and the file "PureBasic:Help/IndexAll.guide" must exist.

GUI: (not required)

- \* The script "PB\_SaveCompile.ced" should be copied to "PureBasic:Extras/CygnusEd/", see Installation .
- \* The script "PBCompiler-GUI.rexx" should have been installed in the directory "PureBasic:GUI/", see Installation .

Editor:

- \* The text editor "CygnusEd" must be installed. The script has been tested with its version v4.20, but may even run with earlier versions.

Libraries:

- \* amigaguide.library v34.11+, part of the Workbench installation
- \* rexxsupport.library v34.9+, part of the ARexx installation
- \* rexxtricks.library v38.6+, by Jürgen Kohrmeyer, Aminet: util/rexx
- \* rexxreqtools.library v1.3+, by Rafael D'Halleweyn, Aminet: util/rexx

System:

- \* Kickstart/Workbench 2.04+ (see the requirements of the libs above in the corresponding docs).
- \* REXXMAST must be running.

## 1.4 Installation

Copy the files of Your language ("PureBasic/Extras/" for English version, "Deutsch/Extras/" for German version) to "PureBasic:Extras/". To install the GUI copy the files from "PureBasic/GUI/" or "Deutsch/GUI" to the directory "PureBasic:GUI/".

If Frederic will keep these files into his distribution, the installing script should do the right things to put them to this directory.

Changes in the script

## 1.5 Changes in the script

You will probably have to edit the entries in lines 3 to 8 to make them fit to Your local settings. If You delete those lines the settings which are remarked in braces will take place. If You change the pathes the new ones must exist.

Line 3 "sourcepath" ("PureBasic:")

This is the path to Your source directory. When a script is to be loaded, the requester will start from this path on.

Line 4 "cedname" ("Ed")

Path and filename of the CygnusEd invoker.

Line 5 "temp\_s" ("T:pb\_srch.txt")

Line 6 "temp\_l" ("T:pb\_link.txt")

Both of the index files the script will create. The script uses them for searching keywords and displaying them via Amigaguide.

Line 7 "fkey1" (1)

The function key the script "PureBasic:Extras/CygnusEd/PB\_GetSyntax.ced" should be installed on.

Line 8 "fkey2" (2)

The function key the script "PureBasic:Extras/CygnusEd/PB\_SaveCompile.ced" should be installed on.

## 1.6 Usage

Please note that the functions described here will be installed by scripts at function keys. Possibly existing installations on these F keys will be overwritten without warning. Other macros ("MetaMac") won't be touched.

The script can be started from Shell/CLI and Workbench:

CLI: "rx PureBasic:Extras/CygnusEd/PB\_GetSyntax.ced [Sourcefile]" |

Workbench: Start by double clicking the icon

If You are using an "AppLauncher" like ToolManager f. e., the program can be started by a button.

The further course depends on if CEed has been started before the script:

If not, a filerequester will appear where You can select a PureBasic source file to be loaded by CEed. If You cancel the requester, CEed will start empty. If started from Shell/CLI You can pass a path and filename of a PureBasic source to the script as an argument for CEed to start with (if CEed is still running, a new View will be opened).  
Afterwards the script will be installed at the defined F key. |

After the first start of the script, two index files (temp\_s and temp\_l) will be created (unique) which are needed if You are searching for PureBasic keywords like PrintN, f.e.

Simply click on the keyword and press the F key. If You are looking for the definition of "MyVar.ub", place the cursor at the "u" or "b". Special characters like "\*" and ":" are supported.

The index files refer to the "Help" directory of PureBasic, so there's no point to edit any files by hand for this purpose after updating PB.

At a further F key a script (if existing) is installed with which the source file can be saved and a Graphical User Interface for the PureBasic compiler can be started. "PureBasic:/Extras/CygnusEd/PB\_SaveCompile.ced" is the related file. When You press the belonging F key the following processes will be launched:

- 1) The possibly existing old source file is renamed with adding the extension ".BAK" and the new one is saved (this is the normal behaviour of the PureEditor).
- 2) An environment variable "PureBasic\_SourceName" is created, containing the path and filename of the last saved source file.
- 3) The GUI "PureBasic:GUI/PBCompiler-GUI.rexx" is started, if it exists (so well, ARexx is one of my other preferences :-). If it's version is 1.1+, the source file's name is read in.

Getting to this point the source can be compiled from CED.

- 4) After quitting the GUI the environment variable is erased.

If the source is going to be re-compiled after a change, the GUI has to be started and quitted as well. While the GUI is opened changes to the source are invisible.

## 1.7 Hints

The script has been tested with two versions of amigaguide.library (34.11 and 40.4) which are differing in the number of parameters requested for the ShowNode() function. The newer version requests an additional "XREF" which the script doesn't take care of (additional comma separator at the end).

If You are working with Directory Opus 5 You can make a setup to start the script by a double click: (things to be entered are marked bold)

```
* Menu "Settings/File Types..." -> "Add"
  Name PureBasic Source \
  ID PB > example values
  Pri 0 /
  Add 'Match Name' #?.pb
  Add 'Or'
  Add 'Match Name' #?.pb.bak
  Afterwards, confirm with the "OK" button
* In the "Events..." ListView, double click at the "Double-click" line
  Add 'AmigaDOS' rx PureBasic:Extras/CygnusEd/PB_GetSyntax.ced {f}
  Activate Flags "No file quote",
                and "Output to window",
                and "Run asynchronously"
  Afterwards, confirm with the "Use" button
* Once more, confirm with "Use" and then with "Save"
```

## 1.8 History

- v1.2 24-Oct-2000 \* If started from Shell/CLI a sourcefile name can be passed to the script as an argument to be loaded by CEd.
- v1.1 02-Oct-2000 \* The script "PureBasic:GUI/PBCompiler-GUI.rexx" can now be started from CEd, if the GUI's version is 1.1+ the source file's name is read in.  
\* "Cold start" of CEd without file selection is possible.  
\* Included special characters in the syntax view.  
\* Update of this Guide.
- v1.0 03-Sep-2000 \* Initial version

## 1.9 Legal Stuff

PB\_GetSyntax.ced and PB\_SaveCompile.ced are Freeware. Do with it whatever You want, but You are not allowed to make profit with it. Although I have tested it on my system (Al200, KS 3.0, Bliizzard II w/24MB RAM) I am not responsible for GURUs or data loss caused by usage of this program - You use it at Your own risk.

## 1.10 Thanks

Best thanx to the PureBasic team (Frédéric Laboureur, Richard Andersson and Andre Beer) for building up such a mighty, fast and small-executables-creating Basic compiler. Without PureBasic this program wouldn't have been needed ever ;-)

My thanks also have to go to Jürgen Kohrmeyer for his rexxtricks.library and Rafael D'Halleweyn for his rexxreqtools.library, without their development this program wouldn't have been possible as well.

Last but not least my thanks have to go to Bruce Dawson and Olaf "Olsen" Barthel for the marvellous CygnusEd. If some of my wishes could come true...

## 1.11 Author

If You use and like (or hate) this program, please send me a message. I'd like to receive bug reports, suggestions for improvement or just a "hello" (Hi, Anders) at:

eMail           Axel.Greve@icn.siemens.de  
                 (no private eMail, so please keep the Netequette :-)

Snail mail      Axel Greve  
                 Hochfeld 26  
                 D-22607 Hamburg

Germany

Please send flames, bombs, etc. >NIL:

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Happy & successful programming,  
Axel

--- Let's keep the Amiga spirit alive !!! ---

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