

Blackshield User's Guide

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About This Guide

This document describes

What This Guide Contains

This guide contains the following chapters:

- [Appendix A \[GNU Free Documentation License\]](#), page 7 contains the text of the license under which this document is being distributed.

Conventions

Following are examples of the typographical and graphic conventions used in this guide:

- Functions, utility program names, standard names, and classes.
- ‘Option flags’
- ‘File Names’, ‘button names’, and ‘field names’.
- *Variables*.
- *Emphasis*.
- [optional information or parameters]
- Examples are described by text
and then shown this way.

Commands that are entered by the user are preceded in this manual by the characters “\$ ” (dollar sign followed by space). If your system uses this sequence as a prompt, then the commands will appear exactly as you see them in the manual. If your system uses some other prompt, then the command will appear with the \$ replaced by whatever prompt character you are using.

Full file names are shown with the “/” character as the directory separator; e.g., ‘parent-dir/subdir/myfile.adb’. If you are working on a Windows platform, please note that the “\” character should be used instead.

1 Introduction to Blackshield

2 Installation

2.1 Supported Platforms

Blackshield has been compiled and successfully tested on

- native platforms:
 - Linux
 - Mac OS X
 - Solaris
 - FreeBSD
 - Windows

Note: Blackshield should compile and run on every target for which GNAT is available

2.2 Tree structure

Blackshield source distribution has the following tree structure:

- ‘doc/’: this documentation,
- ‘examples/’: set of examples to test Blackshield
- ‘src/’: core of Blackshield
- ‘ChangeLog’: release information,
- ‘README’: short description of the distribution.
- ‘INSTALL’: quick installation instruction

2.3 Build requirements

To be compiled, Blackshield requires the following tools:

- For native platforms: a recent version of the GNAT compiler, e.g. GNAT Pro 6.2.1 or above, GNAT {GAP, GPL} 2010 or later or GNAT GCC 4.4.0 or later

2.4 Installation instructions

To install Blackshield, please observe the following steps:

- Install GNAT as specified in its documentation and make sure its ‘bin/’ installation directories are located at the top of your PATH environment variable.
- Issue `./configure`. The `configure` script can take several options: issue `./configure --help` to have a quick overview of them. For examples. `./configure --enable-debug` will configure all debug options.
- Issue `make && make install`

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