

## REUSABLE SOFTWARE COMPONENTS

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[http://alpha.fdu.edu/~levine/reuse\\_course/columns](http://alpha.fdu.edu/~levine/reuse_course/columns)

This column consists of our yearly listing of sources for reusable software components. As always, no recommendation or guarantee by this column is implied.

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### Ada Basis WWW Server

Ada Basis WWW Server is an archive of about 560Mbyte of public domain source code and documents mainly obtained from the Public Ada Library. The software has been classified into different application domains and presented in a hierarchical manner.

AdaBasis is an acronym for the German phrase "Bibliothek anwendungsbezogener Ada Software-Komponenten in Stuttgart" and is a repository of (mostly) free Ada Software, presented in a way that is (hopefully) easy to use and allows flexible access and effective searching.

The application domains include:

Artificial Intelligence	Compilers
Database Management	Documents
Text-Processing	Interfaces/Bindings
Mathematical Functions and Data Structures	Networking and Distributed Processing
Software Development Tools	

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<http://www.informatik.uni-stuttgart.de/ifi/ps/ada-software/ada-software.html>

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### The Ada-Belgium Archive

One of the aims of the Ada-Belgium organization is to disseminate Ada-related information. So, in addition to the organization of seminars, workshops, etc., and the management of two mailing lists, it also has set up an Ada archive primarily for people and companies in Belgium. This enables everyone interested to consult and download a large variety of Ada software and documents using an ftp server in Belgium or elsewhere.

Key items:

\* A disk copy of the latest version of the Ada and Software Engineering Library (ASE2, a 2 disk CD-ROM set).

<ftp://ftp.cs.kuleuven.ac.be/pub/Ada-Belgium/cdrom/index.html>

\* A directory with Free Ada Software provided by Belgian Ada users.

<http://www.cs.kuleuven.ac.be/~dirk/ada-belgium/software/>

The Ada-Belgium archive is primarily intended for the Belgian Ada community, but anyone interested is welcome to use it.

<http://www.cs.kuleuven.ac.be/~dirk/ada-belgium>

<http://www.cs.kuleuven.ac.be/~dirk/ada-belgium/archive.html>

FTP: <ftp://ftp.cs.kuleuven.ac.be/pub/Ada-Belgium>

## ACES

The Ada Compiler Evaluation System (ACES) Version 2.1 is a collection of performance tests, test management tools, analysis tools, and assessment procedures that permit users to collect and analyze data on performance and usability characteristics of Ada implementations.

Originally funded by the AJPO, the ACES is a merger of the Ada Compiler Evaluation Capability (ACEC) and the Ada Evaluation System (AES). Version 2.1 of the ACES includes over 100 tests for language features introduced by Ada95. Other improvements include the provision of default processing choices, selection of tests by performance issue, a set of default analysis reports, and a facility for the easy inclusion of user-defined benchmarks in the ACES test selection and analysis processes.

ACES information is available on the Internet at:

<http://www.adaic.org/compiler/aces/aces-intro.html>

This document contains overview information as well as instructions for obtaining the ACES files.

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## AdaCore

AdaCore supports Libre (free) Software. (See GNU listed on a following page.) Its tools support Ada95 and C, with most of these tools written in Ada95. Its components include:

Ada mode for Emacs

Ada Web Server

AUnit (unit testing)

GDB (Ada95 debugger)

Glade (Ada 95 distributed annex)

GNAT (Ada 95 compiler)

GNOME/Ada

GPS (GNAT Programming Studio IDE)

GtkAda (GUI Development)

PolyORB

XML/Ada

Contact: <http://libre.adacore.com>

[libre@adacore.com](mailto:libre@adacore.com)

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## Ada IC

The Ada Information Clearinghouse has been providing free information about Ada and software engineering for over fifteen years. Sponsored by the Ada Resource Assoc. (<http://www.adaresource.com>) a consortium of Ada tool vendors and developers, the AdaIC maintains close contact with the Ada community in order to obtain the latest information on a variety of topics. Visit their website, <http://www.adaic.org>, to see the latest in news, implementation guidelines, compilers and tools, reusable Ada code, education and training, Ada successes, and lessons learned by software developers.

The Ada-wide search engine indexes all known Ada content (more than 38,000 pages at last count). General search engines, such as Google, have too many references to the term "Ada" to make them practical for the purposes of the Ada community.

Please send any news you have on Ada to the Editorial Webmaster <[webmaster@adaic.org](mailto:webmaster@adaic.org)>.

The Ada News of the AdaIC sometimes transmits press releases about the programming language to about 500 technical journalists and editors, as well as citing it on the AdaIC Website, as a free service to its users.

A comprehensive collection of Ada articles, reports, textbooks, videos, and CD-ROMS is available for browsing on-line through the AdaIC website. Users may access older components at the Virtual Library (<http://archive.adaic.com>).















