

PTC ObjectAda® for UNIX®

A complete Ada software development solution for deployment of Ada applications on popular Unix-based platforms

PTC ObjectAda for UNIX is one of the most competent Ada environments, providing a large array of specialty tools to meet the expectations of serious engineers of large-scale projects and the most demanding mission-critical applications.

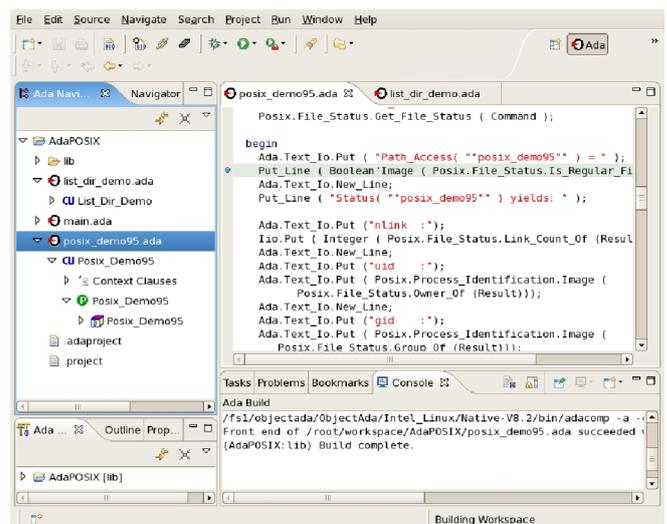
Ada applications by nature are often intensive and complex code bases that are growing to consume the increased capacity of the systems that host them. As a result, the efficiency of development tools has become a very significant differentiator to cost and time-to-delivery.

PTC ObjectAda, the best choice for complex development projects, provides robust tools and comprehensive reference documentation to assist in the development process. Combined with an easy-to-use environment and efficient, reliable, and optimizing compiler technology, these features provide a complete, well-rounded development environment.

Key benefits

- Supports the full power of UNIX for Ada:
 - Reliable and manageable development platform
 - Integrated tools, extensible environments, ASIS support, and third party plug-ins for building robust UNIX applications
- Provides run-time performance reporting through AdaNav profiler to help developers identify application hot spots to improve program performance
- ASIS support[†] provides a standard way for tools to extract semantic data that is best collected by an Ada compiler

- Produces portable and powerful code analysis tools based on this semantic information

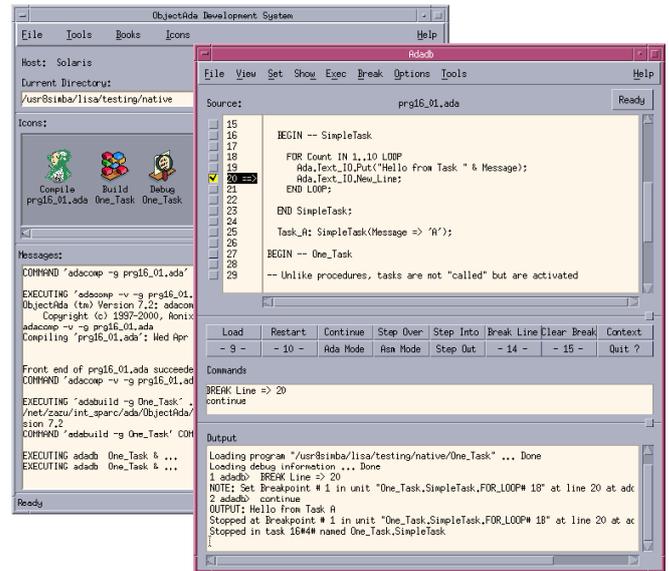


PTC ObjectAda Eclipse-based development environment

- Includes hypertext versions of the Ada Language Reference Manual (LRM) and Ada Rationale
 - Browses the full scope and breadth of Ada easily and understand the reasoning behind its design
 - Cross-references compile time errors into the LRM by clicking on an error message. This will present the exact portion of the LRM that has been violated, greatly reducing the edit-compile-debug cycle

Capabilities and specifications

- Platform support for Solaris™/x86, Solaris/SPARC, HP-UX®, AIX®, and Linux®
- Lightning-fast Ada compilation technology
- GUI development environment with graphical debugger
- Language-sensitive editor
- Lightweight, source-based library manager
- Ada source browser
- Support for POSIX® threads and POSIX bindings
 - AdaPOSIX, an IEEE POSIX 1003.5 compliant Ada binding to standard POSIX APIs, enables development of portable enterprise applications in Ada which leverage the power and stability of UNIX
- PTC ADT (Ada Development Toolkit) plug-ins for Eclipse
- AdaNav analysis toolset†
 - Complete system HTML source navigation capabilities as well as call tree and unit tree graphical reporting and automatic data dictionary generation
- Simple and open library model
 - Faster, more reliable library model due to sophisticated caching techniques
 - Map source files one-for-one with object files, or combine in directory structures for easier maintenance and dependency tracking with the dependency information taken directly from source files
- Lightning-fast compilation
 - State-of-the-art analytical engine designed by the chief architect of the Ada language
 - Compiler technology results in compilation speeds many times faster than preceding Ada technologies, and comparable to the best compiler technology used for other general purpose programming languages



PTC ObjectAda for UNIX graphical IDE.

Platform support and system requirements

For more information, visit: [PTC.com/go/integrity](https://www.ptc.com/go/integrity)

†Optional Features

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