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PTC ObjectAda® for Linux

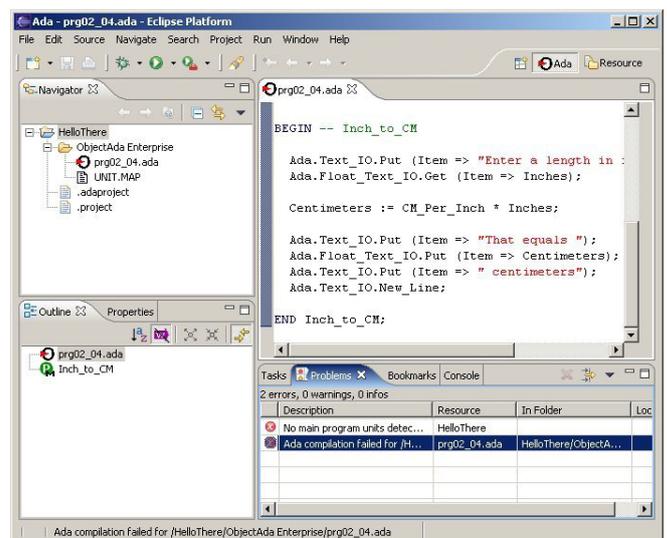## LEVERAGE THE ADVANTAGES OF THE LINUX-BASED OPEN-SOURCE DEVELOPMENT PLATFORM

PTC ObjectAda for Linux® is a complete enterprise-class Ada software development solution for the deployment of Ada applications on popular Linux-based platforms. It combines blazing-fast compilation speed with efficient edit and debug tools that engineers require for development of mission-critical applications.

Today's systems, even those deploying legacy applications, continue to evolve and improve with faster execution and more memory. 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. And they are being created, evolved, and maintained by teams of developers needing engineering-quality tools. As a result, the efficiency of development tools has become a very significant differentiator to cost and time to delivery.

PTC ObjectAda for Linux represents an enterprise class Ada development environment for serious minded development teams who desire to leverage the advantages of the Linux-based open-source development platforms. PTC ObjectAda for Linux provides the complete PTC ObjectAda for UNIX® Ada development environment for 32-bit Intel x86 Linux development platforms.

Key benefits

- Robust development environment includes an optimizing compiler, library manager, runtime, configuration management integrations, lifecycle tools support, and productivity toolsets that include an editor, a browser, and a debugger.

- Tool add-ons and partner integrations plus reference documentation to assist in the development process.

PTC ObjectAda Eclipsed-based development environment.

- Easy-to-use environment.

- Efficient, reliable, and optimizing compiler technology for a complete and well-rounded development environment.

- Rigorously tested on the Red Hat Linux operating system, and will also run on a variety of other Intel-based Linux operating systems providing support for a whole new set of possible host development platforms.

- Ensures short learning curve and extreme flexibility by allowing developers to choose to use the PTC ObjectAda proprietary IDE.
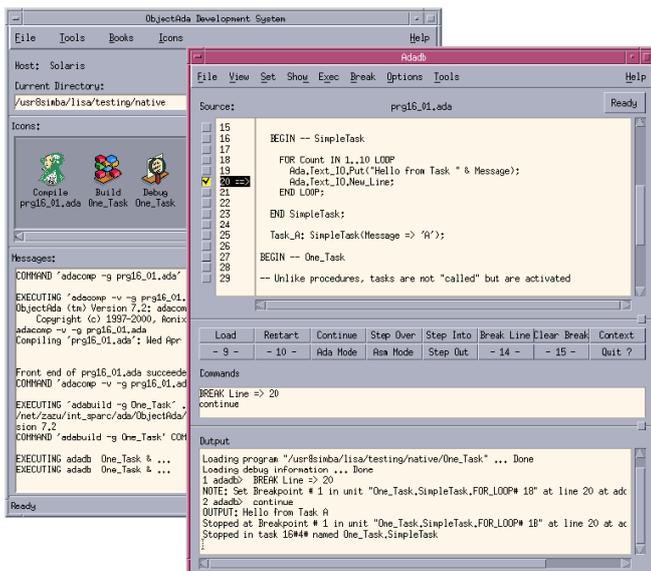
Capabilities and specifications

- **Flexible IDE:** PTC ObjectAda allows developers to choose between the traditional PTC ObjectAda IDE and Eclipse. The PTC ObjectAda plug-ins for Eclipse incorporate Ada-project awareness, an Ada-language sensitive editor, Ada-language compile and build capabilities, and a complete Ada debugger interface, enabling Ada developers to enjoy state-of-the-art interface capabilities geared to maximize developer ease and efficiency. Developers can focus on building applications, not on integrating tools since PTC ObjectAda also retains a large set of existing plug-ins for thirdparty tools, including support for source-code configuration management.

- **Lightning-fast optimizing compiler:** State-of-the-art analytical engine optimizes compiler performance and object code generation.

PTC ObjectAda for Linux graphical IDE.

- **Fast, open library model:** Source files are mapped one-for-one with object files which can be intermixed with object files from any other language. Simple ASCII text files are used to maintain basic build information and dependency information is taken directly from source files.

- **Integrated Ada reference manual:** Hyper text versions of the Ada Language Reference Manual (LRM) and Ada Rationale make it easy to browse the full scope and breadth of the Ada language and to understand the reasoning behind its design. Compiletime errors are cross-referenced into the LRM.

- **AdaPOSIX:**

  - Extensive online documentation and context-sensitive help.

  - Ada binding to standard POSIX APIs compliant with IEE POSIX 1003.5 specification.

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- **Visual Ada source browser:** PTC ObjectAda includes an integrated source browser that supports navigation from an identifier to its declaration or references and visualization of relationships between objects.

Platform support and system requirements

For more information, visit: PTC.com/go/integrity