



## ptc objectada<sup>®</sup> 64 *for Windows*

*PTC releases a new 64-bit native Ada compiler and runtime environment*

Pisa, Italy – June 13, 2016 — PTC (NASDAQ: PTC) today announced its first release of full 64-bit code generation capability in the PTC<sup>®</sup> ObjectAda product line. With this release of PTC ObjectAda64 v9.2 for Windows, PTC adds another new capability to its extensive line of native and cross compilers for Ada application development.

PTC ObjectAda64 for Windows is a major new release with significant changes implemented to support application development and execution on X86\_64-based Windows platforms:

- 64-bit application development & execution - Compiler, runtime, debugger, and IDE upgrades
- Windows 10 compatibility – also works with Windows 7 or later
- Visual C++ 2010 SP1-compatible tools & Windows SDK v7.1 libraries
- ADT Eclipse interface upgrade – works with latest Eclipse versions

“PTC ObjectAda for Windows has been the highest producer in the ObjectAda line of products in terms of volume shipment,” stated Doug Wilmarth, Sr. Director at PTC. “We’re happy to introduce the 64-bit compilation capability to satisfy the growing demand for 64-bit Ada application development tools that we’re seeing from current and new customers.”

### About the PTC ObjectAda Family of Products

PTC ObjectAda is an extensive family of native and cross development tools and runtime environments. PTC ObjectAda native products provide host development and execution support for the most popular environments including Windows, Linux and various UNIX operating systems. PTC ObjectAda Real-Time products provide cross development tools on Windows, Linux or UNIX systems which target PowerPC and Intel target processors in support of “bare” hardware execution or in conjunction with popular RTOSs. PTC ObjectAda Raven products provide a hard real-time Ada runtime to address those systems requiring small footprint, deterministic behavior, or certification to safety standards.

### Shipping and Availability

PTC ObjectAda64 v9.2 is immediately available to beta customers and will be available in full production mode in the July/August timeframe. Additionally, PTC ObjectAda V9.2 for 32-bit Windows platforms is also being released. License pricing is available on request.

### Key Features

- New!** ❖ 64-bit support for x86\_64-based Windows platforms
- New!** ❖ Windows 10 compatibility
- New!** ❖ Visual C++ 2010 SP1-compatible tools & Windows SDK v7.1 libraries
- New!** ❖ Works with latest Eclipse versions
- New!** ❖ Regenerated Windows API Ada language bindings
- New!** ❖ Compiler options to facilitate porting existing Ada source code to 64-bit
- ❖ Supports Ada95 or Ada 2005 language features
- ❖ Efficient, reliable, and optimizing compiler technology provides complete, well-rounded development environment
- ❖ Provides robust tools and comprehensive reference documentation to assist in development process
- ❖ Easy-to-use environment

### Capabilities and specifications

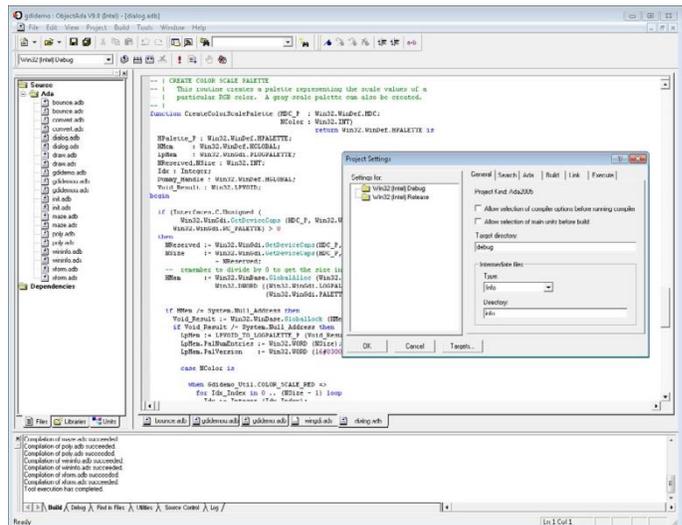
PTC ObjectAda for Windows is one of the most popular Ada environments of all time, providing a large array of specialty tools to meet the expectations of serious engineers working on large-scale projects and the most demanding mission-critical applications.

PTC ObjectAda for Windows is a complete Ada software development solution for deployment of Ada applications on the Microsoft® Windows platform. It combines blazing-fast compilation speed with efficient edit and debug tools that engineers require for development of mission-critical applications.

### Flexible, integrated development environment:

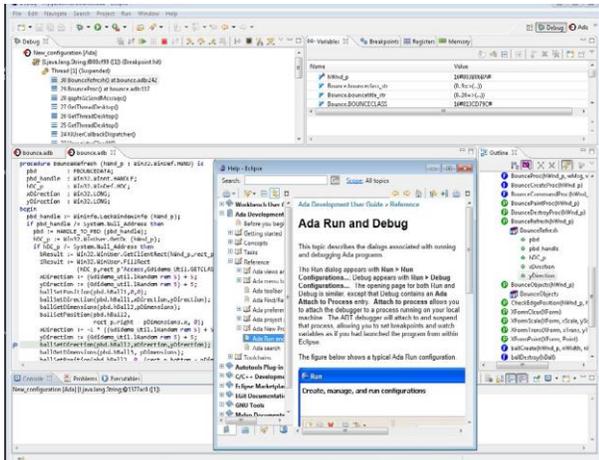
PTC's Ada products allow your organization to choose between the traditional PTC IDE and the PTC ADT plug-in for Eclipse, enabling integration of all of your organizational tool chains to operate in a common Eclipse-based environment. PTC ADT incorporates Ada project awareness and Ada language-sensitive editor,

Ada language compile and build capabilities, and a complete Ada debugger interface, all in an environment geared to maximize developer ease and efficiency.



PTC ObjectAda Windows-based IDE

Optionally, developers may choose to use the PTC Windows-based IDE modeled after Microsoft's time-tested Visual C++ product, one of the most widely used IDEs on the market. This intuitive graphical environment ensures a short learning curve and extreme flexibility.



PTC ObjectAda Eclipse-based Development

**Lightning-fast optimizing compiler:**

State-of-the-art analytical engine optimizes compiler performance and object code generation

**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.

**DLL import and export:**

Easy-to-use mechanisms are provided for creating 64-bit Dynamic Link Libraries (DLLs) for use by other applications and existing DLLs.

**Visual Ada source browser:**

An integrated source browser that supports navigation from an identifier to its declaration or references and visualization of relationships between objects is included.

**Integrated Ada reference manual:**

Hypertext 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. Compile-time errors are cross-referenced into the LRM.

**Windows API Ada language bindings:**

Windows programmers can choose between the de-facto standard Win32 Ada bindings (Win32Ada), and the WinAPI evolvable binding set designed to keep up with the latest Microsoft API releases.

**Codeview debugger support:**

In addition to its integrated Ada debugger, it supports use of Codeview-compatible debuggers (e.g., Microsoft Visual C++®) to debug Ada and multilingual applications.

**AdaNav analysis toolset:**

AdaNav provides complete system HTML source-navigation capabilities, as well as call tree and unit tree graphical reporting and automatic data dictionary generation. The AdaNav profiler provides run-time performance reporting to help you identify application hot spots and improve program performance.

**ASIS Support:**

The Ada Semantic Interface Specification (ASIS) support in PTC ObjectAda provides a standard way for tools to extract semantic data that is best collected by an Ada compiler.

For more information about the PTC ObjectAda family of products,

visit: <http://www.ptc.com/developer-tools/objectada>

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