ADA PRODUCTS
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AGENDA

• Introducing PTC
• Ada Products Overview
• Announcing objectada 64 for Windows
• Q&A
ABOUT PTC

Next-generation technology platforms and enterprise applications

Transforming how customers...

CREATE
CONNECT
ANALYZE
OPERATE
SERVICE

...smart and connected products, operations and systems
$1.26B
FY 2015 TOTAL REVENUE

REVENUE BY VERTICAL

- Industrial Products: 31%
- Electronics & High Tech: 18%
- Automotive: 14%
- Federal, Aerospace & Defense: 16%
- Retail & Consumer: 7%
- Other: 9%

REVENUE BY REGION

- Americas: 42%
- Europe: 37%
- Asia Pacific: 21%

FAST FACTS

- 26,000 active customers
- 750 partners
- 6,000 employees
- 1,800 academic program
- universities
INTRODUCING PTC DEVELOPER TOOLS

- Atego was acquired in July 2014 by PTC
- Atego Ada products are now part of the PTC Developer Tools family of Products
- Engineering and Technical Support teams for PTC Ada products retained
- Many new Ada product releases now available, with more in development
- Expanded Technical Support resources
- Dedicated R&D, Sales, Marketing, and Support staff
PTC ADA PRODUCT FAMILY OVERVIEW

ptc apexada™

ptc objectada®

ptc adaworld®
DEPLOYED SYSTEMS USING PTC ADA PRODUCTS

Defense / Avionics / Rail Transport / Space Applications

- M1A1 Abrams Tank
- AH-64D Apache Longbow
- Tornado Fighter-Bomber
- SBIRS Satellite
- Sea-based XBand Radar
- TGV Brake and Signal Control Systems

- PTC’s Developer Tools team is very experienced in the support of customers requiring long-term product availability, stability, and support.
PTC APEXADA OVERVIEW

• Ada 95 & Ada 2005 language support

• Native compilers:
  – Solaris SPARC
  – Solaris Intel
  – Linux Intel

• Embedded / Cross Compilers:
  – VxWorks (Intel, PowerPC targets)
  – LynxOS (Intel, PowerPC targets)
  – ApexAda Exec (Intel, PowerPC, MIPS targets)

• Summit CM & TestMate test tools

• Versions supported: v4.2, v4.4, v5.0
• PTC ApexAda Developer provides:
  – Architectural control mechanisms
  – Change and configuration management system
  – Sophisticated Ada compilation management
  – Integrated, interactive debugger

– Language specific editing features
– Native and embedded/real-time development
– Test management/coverage analysis
ObjectAda for Windows
  – Native compiler for Windows
  – Ada 95 and Ada 2005 language support

ObjectAda for Unix / Linux
  – Native compilers (Solaris SPARC, Solaris Intel, AIX, HP-UX, Linux Intel)
  – Ada 95 language support

ObjectAda Real-Time
  – Cross development products - Real-time full Ada 95 runtime products
  – VxWorks (Windows host; Intel, PowerPC targets)
  – LynxOS (Solaris, AIX, Linux host; PowerPC targets)

ObjectAda Raven
  – Cross development products – safety-critical Ravenscar profile – restricted Ada 95 runtime
  – Bare target (Windows, Solaris host; PowerPC, Intel, ERC32 targets)
  – VxWorks 653 (Windows host; PowerPC target)
OBJECTADA FOR WINDOWS ENVIRONMENT

ObjectAda Windows-based IDE

ObjectAda Eclipse-based IDE
• AdaWorld for Unix
  – Native Ada 83 compiler products

• AdaWorld / ActivAda ARTK Real-time
  – Cross development products - Real-time full Ada 83 runtime products
  – C-SMART restricted runtimes used for safety-critical / DO-178B certified projects

• Legacy Ada product line
  – Support available only for select products and versions

ptc adaworld®
ptc objectada® 64 for Windows V9.2

• PTC’s first 64-bit ObjectAda Compiler

• V9.2 offers two distinct product editions:
  – ObjectAda 64 for Windows V9.2 - Generates 64-bit Windows native applications
  – ObjectAda for Windows V9.2 – upgraded and continues to offer 32-bit code generation

• ObjectAda for Windows V9.2 characteristics:
  – 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

• Product availability:
  – ObjectAda for Windows v9.2 - Beta release – May 2016
  – ObjectAda for Windows v9.2 - Production release - 2016 Q3
PTC APEXADA / PTC OBJECTADA

Q&A

http://www.ptc.com/developer-tools

http://www.ptc.com/developer-tools/apexada

http://www.ptc.com/developer-tools/objectada

PTC Developer Tools

A Comprehensive Suite of Developer Tools for the Serious Engineer