Innotek

Development tools





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OS/2 development dilemma



- OS/2 has always suffered from inferior development tools leading to inferior products
 - IBM's Visual Age C++ Version 4 was never fully stabilized, causing developers to stick with the older version 3
 - Porting mainstream apps to OS/2 often fails because of backlevel compilers and development tools
 - IBM's JDK's for OS/2 are being discontinued (since 1.3.1)



InnoTek's solution



- We provide state-of-the-art development tools for OS/2 developers:
 - InnoTek GCC for OS/2
 - InnoTek OS/2 Kit for Java (SDK)
- We are committed to support OS/2 until the last customer has completed the transition process
- We guarantee enterprise-level support and functionality



InnoTek GCC for OS/2



- A commercial distribution of the GNU C/C++ compiler suite and associated utilities for the IBM OS/2 platform.
- InnoTek maintains and provides comprehensive support for the compiler environment
- GCC generates native OS/2 code (no EMX required!)
- Available for free personal use / Enterprise licensing



Benefits



- Availability of a modern C/C++ compiler environment on OS/2, supporting the latest C++ language standards
- A complete, easy to use and well tested compiler suite from the leading OS/2 ISV
- Enterprise level defect support for mission critical use of the compiler suite
- Custom enhancements and modifications available as part of a support agreement



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Licensing



- The GCC compiler suite is licensed under the GNU Public License (GPL) and can be used free of charge. (All OS/2 specific changes and enhancements performed by InnoTek are released under the GPL as well)
- InnoTek GCC for OS/2 can be downloaded at no charge
- InnoTek GCC for OS/2 with 12 months of defect support is available directly from InnoTek at USD \$2500 per developer seat. The minimum number of seats per customer required to get defect support is 10.



Support



Software defect support

• InnoTek will address all software defect issues that are specific to OS/2, i.e. either a problem in GCC that is only (or mainly) relevant on OS/2 or a problem in the OS/2 platform support of GCC.

Additional enhancements and modifications

- These are product enhancements that InnoTek agrees to provide based on customer requirements. Currently, InnoTek commits to providing:
 - complete support for the IBM VisualAge for C++ 3.6.5 _Optlink function and method calling convention
 - support for the IBM VisualAge for C++ 3.65 internal C++ object layout (VTABLE) for enhanced compatibility with existing VAC++ objects
 - more complete and up-to-date support of the IBM HLL debug information for source level debugging with the IBM Debugger for OS/2 3.65 (IDEBUG)

Access to InnoTek's online support system

 Registered customers will get access to InnoTek's online support system to create and track support incidents.



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Java challenges



- Java is still a relatively young platform
 - -changes from release to release are quite significant
 - important features are still being added
 - significant performance increases are made
- The SUN reference implementation is becoming the de-facto standard on Windows and Unix
 - customers in a cross-platform environment wish to standardize on a single JVM version
- Customers using OS/2 have been limited to the IBM version of the JVM
 - this makes cross-platform development of Java applications (e.g. for OS/2 and Windows) more difficult



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The InnoTek solution



- InnoTek is providing an up-to-date version of the SUN JVM (currently at the 1.4.2_01 level)
 - both JRE and SDK are available
 - Browser plugin available for Mozilla / Firebird / IBM Web Browser for OS/2
 - Java Web Start included

Advantages:

- significant performance gains (esp. load time, optimized for HPFS with small caches)
- optimized for low virtual address space consumption
- fully tested and serviced code base, 100,000,000+ installations
- the most current JVM available
- Updates and extensions available per customer request



InnoTek OS/2 Kit for Java



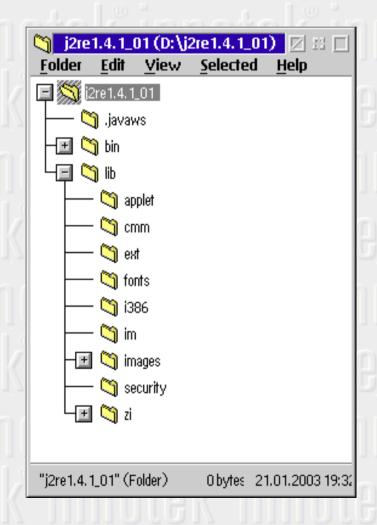
- Directly based on SUN's most current JVM for Windows (1.4.2_01)
- Advantages:
 - Unmodified thus industry proven SUN code
 - -SUN HotSpot engine delivers much higher client performance compared to the IBM JIT (esp. application startup and GUI)
 - Built with the identical compiler suite (Intel VTUNE) thus delivering the most reliable and best optimized code possible
 - code quality and performance unreachable with any OS/2 native compiler
 - -InnoTek architecture allows for instant availability of updated versions
 - traditional approaches come with significant delays in time to market and require substantial effort for every new (minor) version
 - "Same bugs and features" as under Windows InnoTek guarantees identical behavior
 - this is the main driver of all our development!



JAVA 1.4 directory layout



- identical to Windows
- no PATH/LIBPATH settings required (uses OS/2's registry to find itself)
- can be used in parallel with IBM Java or other InnoTek Java versions
- integrates into any OS/2 environment





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JAVA.EXE for command line invocation:

[D:\j2re1.4.2\bin]java -version java version "1.4.2" Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2-b28) Java HotSpot(TM) Client VM (build 1.4.2-b28, mixed mode)

JAVAW.EXE for GUI invocation

- keytool.exe, kinit.exe, klist.exe, ktab.exe, orbd.exe, policytool.exe
- rmid.exe, rmiregistry.exe, servertool.exe, tnameserv.exe



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Total Support Option

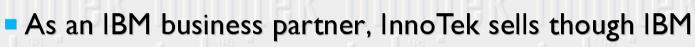


- InnoTek's products provide a unique support experience
 - InnoTek guarantees identical behavior on OS/2 and original platform (Windows/Linux)
 - up-to-date OS/2 versions for higher code quality
 - in case of problems due to OS/2 limitations or bugs, InnoTek commits to implementing workarounds as possible
 - Full source codes available at no charge upon customer request
 - TCO level support for the cost of traditional warranty defect support
 - IBM Software Support available

Purchase options



InnoTek offers this solution to enterprise customers worldwide





Full service is available

Enterprise licenses, volume discounts and support contracts are available

Contact information



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