

Informix Client SDK 2.3

Product Announcement
July, 1999

Delivering Application Programming Interfaces (APIs) in a Single Package

Informix® Client SDK™ 2.3 and the associated runtime product, Informix-Connect 2.3, are now available. Informix Client SDK 2.3 offers a single package of application programming interfaces (APIs) for Informix servers. These interfaces allow developers to write applications in the language they are familiar with, whether it's Java, C++, C, or ESQL. This flexibility reduces customer costs and promotes the development of applications for Informix servers. The associated Informix Connect 2.3 product is the runtime deployment component.

Intended Customers

Informix Client SDK 2.3 appeals to application programmers who want to develop applications in a familiar language such as Java, C++, C or ESQL. Application developers wishing to reduce their application development and training costs will find this package beneficial.

Highlights

Informix Client SDK 2.3 is an enhancement to the previous release of Informix Client SDK, and includes the following major additions:

- Uses Install Shield 5.5 for Win32
- Silent Install for Win32
- Informix ODBC Driver 3.3 replaces INFORMIX-CLI 2.8/2.9
- Introduction of Informix OLEDB Provider 2.0 (client-side) for Win32 only
- Long ID support for Informix Dynamic Server™.2000 and Informix Internet Foundation.2000™

Features and Benefits

Informix Client SDK includes the following components:

- **Informix ESQL/C**
For C developers building applications that will access an Informix server, Informix ESQL/C provides the convenience of entering SQL statements directly into the C language source code. Developers can use SQL to issue commands to the Informix server and to manage the result sets of data from queries. Informix ESQL/C is a productive and familiar interface that binds a C application, using native SQL commands, to a database server. Informix ESQL/C provides low-level control over the application for session management, error handling, and gives the developer direct access to all database functions. Informix ESQL/C requires significantly less coding and is easier, faster, more productive, and less error-prone than low-level direct calls to libraries.

- **Informix ODBC Driver (replacement for INFORMIX-CLI product)**

Informix ODBC driver is the Informix implementation of the Open Database Connectivity (ODBC) 3.0 level 1+ standard (see note below) and allows any ODBC-compliant application to connect to any Informix server. The 3.3 version of the Informix ODBC driver has Microsoft Transaction Server (MTS) support and contains extended data type support for Informix Dynamic Server with the Universal Data Option™. MS ODBC Driver Manager version 3.51, a Microsoft Win32 ODBC driver manager, is available in the bundled product Microsoft Data Access Components (MDAC) 2.0. MDAC 2.0 is only available through the Client SDK's custom install feature. A UNIX® ODBC driver manager is available in the bundled Merant 3.11 ODBC driver.

The Informix ODBC Driver is the feature and maintenance path for Informix CLI, versions 2.5 and 2.8/2.9, and for the Merant (Intersolv) Data Direct ODBC Driver, version 3.x.

NOTE: The Informix ODBC Driver supports multithreading, therefore asynchronous execution is not supported. Microsoft does not recommend asynchronous execution on multithreaded operating systems. Please see the following Web site for more information on asynchronous execution: <http://msdn.microsoft.com/library/sdkdoc/dasdk/odch5wdq.htm>

Snapshot

Informix Client SDK 2.3

Benefits:

- Reduces application development costs
- Decreases application development time
- Reduces training needed for new programming language
- Ease of use with single-packaged APIs

Product Components:

- Informix Client SDK components:
 - Informix ESQL/C 9.21
 - Informix ODBC Driver 3.30
 - Merant (Intersolv) Data Direct Connect ODBC 3.11 (UNIX only)
 - Informix Object Interface for C++ 2.61
 - Informix OLEDB Provider 2.00 (Win32 only)
 - Informix JDBC Driver (Type 4) 1.40
 - Informix JDBC Driver (Type 4) 2.00
 - Informix Embedded SQLJ 1.00
 - Password CSM
- Informix Connect

General Availability:

- July, 1999

To get a copy of Informix Client SDK:

- Download a free copy from the "Try & Buy" section on this Informix web address:
<http://www.informix.com/informix/products/>
- To order product by phone, contact your local Informix sales office, or in the United States, call 1 800 331 1763, or 1 650 926 6300.

- **Informix OLEDB Provider**

Informix OLEDB Provider (client-side) is a native OLEDB Provider for all 7.x, 8.x, and 9.x Informix Servers. It implements full functionality for base-level providers as described in the OLEDB Specification version 2.0 from Microsoft. Informix OLEDB Provider supports integration of Informix built-in and user-defined data types into Microsoft Universal Data Access infrastructure. Release 2.0 of Informix OLEDB Provider is primarily targeted at application developers and Web page designers, as well as end-users of Microsoft tools and applications that use OLEDB Providers. It works on Win32 platforms only.

Informix OLEDB Provider has a dependency on MDAC 2.0 which we redistribute with the Client SDK. Because of this dependency (installing MDAC requires a system reboot), Informix OLEDB Provider will not be installed by using Client SDK's "typical" install. Instead, it can only be accessed through the "custom" install option.

- **Merant (Intersolv) Data Direct Connect ODBC (UNIX only)**

For developers and end users requiring an ODBC 3.0 compliant interface to Informix servers, Merant Data Direct Connect ODBC 3.11 is a Merant implementation of the ODBC standard. Merant Data Direct Connect ODBC allows any ODBC-compliant application to connect to Informix servers, and supports only 32-bit Windows and UNIX clients. In addition to ODBC 3.0 compliance, this product includes fixes to many defects found in the ODBC 2.5 Merant driver packaged as INFORMIX-CLI 2.5.

- **Informix Object Interface for C++**

Informix Object Interface for C++ (OIC++) allows developers using C++ to work with the Informix server product line through a single object-oriented application programming interface (API). OIC++ is for C++ developers requiring an object-oriented interface to the server for the development of SQL-based applications. It delivers the scalability and extensibility of Informix servers to application software developers in a programming model familiar to C++ and Microsoft Component Object Model (COM) programmers. OIC++ supports data type extensibility and user-defined function extensibility.

- **Informix JDBC driver (Type 4)**

Informix JDBC Driver allows Java developers to connect to any currently shipping and supported Informix database from a platform independent client application. The Type 4 JDBC driver is written entirely in Java.

Version 1.4—This JDBC driver is based on the standard JDBC 1.22 specification from Sun Microsystems plus three important new features: New data type support for Informix Dynamic Server with Universal Data Option (BLOB/CLOB, Ivarchar, and boolean), GLS (internationalization), and http tunneling proxy. JDBC 1.4 will run on both the JDK 1.1 platform (1.1.6 or later) and the new JDK 1.2 (Java 2) platform.

Version 2.0—This JDBC driver is based on the standard JDBC 2.0 specification from Sun Microsystems, which has full SQL3 support. It requires the JDK 1.2 (Java 2) platform.

- **Informix Embedded SQLJ**

Embedded SQLJ provides the capability to embed static SQL statements into Java applications, similar to what ESQL/C does for C applications. SQLJ is a new standard created by a database consortium that included Informix, and was ratified by ANSI this past December.

- **Password Communication Support Module**

The Password Communication Support Module enables the encryption of passwords when the user logs on from the client to the server.

- **Informix Connect**

Informix Connect is a runtime connectivity product which includes the runtime libraries of the Informix APIs which comprise the Informix Client SDK product. These libraries are required by applications running on client machines in order to access Informix servers. Informix Connect is needed when finished applications are ready to be deployed. Informix Connect is the runtime component of Informix Client SDK.

Hardware and Software Requirements

Windows requirements are:

- 486 or higher microprocessor
- Windows NT version 4.0, Service Pack 3 or Windows 95/98
- 12MB RAM for Windows95; 16 MB RAM for Windows NT
- 20MB of hard disk space available before installation (or less, if not all components are installed)
- Any TCP/IP protocol that is Windows Sockets 1.1-compliant
- Microsoft Visual C++ compiler version 4.2 through 6.0
- Java (for JDBC 1.4 and 2.0 respectively):
 - Java Virtual Machine (JVM) that is compatible with SunSoft's JDK 1.1.5 or higher
 - JVM that is compatible with SunSoft's JDK 1.2 (Java 2)

UNIX Workstation requirements are:

- 43MB of hard disk space available before installation
- Native TCP/IP protocol

- Native C/C++ compiler
- Java (for JDBC 1.4 and 2.0 respectively):
 - Java Virtual Machine (JVM) that is compatible with SunSoft's JDK 1.1.5 or higher
 - JVM that is compatible with SunSoft's JDK 1.2 (Java 2)

Platform Availability and Compatibility

Informix Client SDK 2.3 is currently available for the following platforms:

- Compaq/DEC Digital UNIX V4.0D
- HP HP-UX 10.20, 11.0
- IBM AIX 4.2.1
- SGI IRIX 6.2
- Sequent DYNIX/PTX 4.4.2
- SNI Reliant UNIX 5.43, 5.44
- Sun SPARC Solaris 2.5.1, 2.6, 7
- Sun INTEL Solaris 2.6, 7
- Sco UNIX 3.2.5
- Windows NT 4.0 SP3
- Windows 95
- Windows 98

Note that not all Informix Client SDK components will be available on a given platform. Contact your Informix sales representative for details.

Compiler Versions Used

- Solaris—C compiler version 3.01
- Solaris—C++ compiler version 4.01
- Windows—Microsoft Visual C++ 6.0
- HP—UX(11.00) 64bit—
 - C—A.11.00.14
 - C++—A.03.04
- HP—UX(10.20) 32bit—
 - C—A.10.32
 - C++—A.01.06
- AIX (4.2.1) 32bit—C & C++—3.1.4.6
- IRIX (6.2) 32bit—C & C++—7.2.1

Ordering and Pricing

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About Informix

Informix Corporation, based in Menlo Park, California, provides innovative database solutions that assist the world's major corporations attain competitive advantage. Informix is widely recognized as the technology leader for corporate computing environments ranging from small workgroups to very large parallel processing applications. Informix's database server, application development tools, superior customer service, and strong partnerships enable the company to be at the forefront of major information technology solution areas including data warehousing, high-performance OLTP, and Web/e-commerce. For more information, contact the sales office nearest you or visit our Web site at www.informix.com.

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