

## IBM Informix Client Software Development Kit Version 2.8

---

### Highlights

---

- **Fast application development with reduced costs**
- **Flexibility through support for open standards and familiar programming languages such as Java™, C++, C and ESQL**
- **Efficient access to multiple IBM Informix® databases from a single application.**
- **.NET applications support for IBM IDS 9.3 and above via Visual Studio .NET bridge for ODBC and OLEDB**

### Quick and reliable data access

Because your world revolves around information, providing quick and easy access to your data stores is a requisite for success. Building data retrieval applications takes time and resources—both precious commodities when you're under pressure to create or enhance e-business applications to stay ahead of the competition.

IBM Informix Client Software Development Kit (Client SDK™), Version 2.8 is a collection of APIs that can speed development time for applications that work with IBM Informix Dynamic Server™ (IBM IDS), IBM Informix Extended Parallel Server™ (XPS), and IBM Informix OnLine Extended Edition database server.

Using Informix Client SDK, developers can write applications in the language that they prefer, whether it is Java, C++, C, ESQL or any application tools with ODBC or OLEDB access. This flexibility allows for more choice in programming environments, promotes easier and faster application development and reduces the cost of training developers in new skills. With Informix Client SDK, developers can also build one application to access multiple IBM Informix databases, saving maintenance and support expenses, minimizing downtime and further speeding application development. The Informix Client SDK APIs are optimized for accessing Informix databases.



Whether you want to launch a new e-commerce site or provide back-end integration for your e-business, Informix Client SDK supports rapid productivity in developing data access applications.

## ***Fast, easy and reliable data access***

The Informix Client SDK bundle comprises the following components:

- *IBM Informix ESQ/L/C 9.5x*
- *IBM Informix ODBC Driver 3.8x*
- *IBM Informix OLEDB Provider 2.8x (Win32 only)*
- *IBM Informix Object Interface for C++2.8x*
- *Informix JDBC Driver (Type 4) 2.21 and IBM Informix Embedded SQLJ 1.01*
- *IBM Informix Connect 2.8x*

### **Informix ESQ/L/C**

Informix ESQ/L/C is a proprietary tool that enables developers to continue using familiar third-generation languages (3GLs) to develop applications, while taking advantage of SQL to access data from these applications. With short SQL statements in English, such as **create database** and **create table**, developers can dispense with the many lines of conventional 3GL code otherwise needed for such actions.

The product provides access to highly efficient SQL database capabilities, including high-level data definition, manipulation commands and SQL query optimization facilities. Because developers don't need to build their own database functions, they can significantly reduce development time and efforts.

### **Informix ODBC Driver**

Informix ODBC Driver is an industry-standard API that enables developers to dynamically access IDS, Informix XPS and Informix OnLine Extended Edition database server. This eliminates the need for an SQL preprocessor and recompilation of source code for each independent data source. Developers can use popular front-end packages and tools to connect to the IBM Informix data source through ODBC.

Using this industry open standard for accessing IBM data, developers can create applications that target different data sources at run time, without having to recompile the application for each data source. Informix ODBC Driver comprises a library of C function calls that support SQL statements. In applications written with the driver, SQL statement strings are passed to the driver functions as arguments, so there's no need for embedded SQL statements. This allows flexibility of use with any programming language that incorporates ODBC access.

Informix ODBC Driver enables an ODBC application to make calls to Unicode-enabled or ANSI ODBC APIs. It supports Unicode types UCS-2 and UTF-8 on AIX platforms, UCS-4 and UTF-8 on other UNIX® platforms and UCS-2 on Windows.

### **Informix OLEDB Provider**

Informix OLEDB Provider is a Microsoft® Universal Data Access component that enables IDS and Informix XPS database access from Microsoft Windows®-based OLEDB clients. Using Informix OLEDB Provider, developers can write client applications in Microsoft Visual Basic or Visual C++ that can access data residing in a variety of locations and formats. These client applications can interact with the provider using Microsoft Active X Data Objects (ADO).

Utilizing Informix OLEDB Provider can support simplified programming through:

- *Interoperable, data-centered components that perform complex processing while exposing simple, table-like interfaces*
- *Fast application development with components that act as virtual tables*
- *Extended capabilities through integration with the Microsoft suite of application development products and technologies*

Informix OLEDB Provider supports Unicode-enabled APIs. With Version 2.8, all OLE DB applications are even quicker than earlier versions, especially for distributed transactions.

---

## IBM Informix Client Software Development Kit Version 2.8 system requirements

---

### Informix Client SDK platforms

- IBM AIX®
- Compaq NonStop kernel
- HP-UX
- SGI IRIX
- Linux
- IBM NUMA-Q®
- Sun Solaris
- SCO Open Unix
- SCO OpenServer
- Microsoft Windows 2000, Windows 98, Windows NT®, Windows XP

### Software requirements for running on Microsoft Windows\*

- Microsoft Windows NT 4.0 (Service Pack 5 or higher)
- Microsoft Windows 98, ME or XP, Windows 2000 Professional or Windows 2000 Server
- TCP/IP protocol (Windows Sockets 1.1 compliant)
- Microsoft Visual C++ Compiler 6.0
- Microsoft Transaction Server 2.0 (for using the MTS feature in ODBC and OLEDB)
- Java

### Software requirements for running on a UNIX workstation\*\*

- Native TCP/IP protocol (Windows Sockets 1.1 compliant)
- Native C/C++ Compiler
- Java

**Notes** \* You must also have a 486 or higher microprocessor, 65 MB of available hard-disk space and 64 MB RAM for Windows.

\*\* For JDBC and Embedded SQL J you must have 30 MB of available hard-disk space on UNIX or Windows box.

For Informix JDBC Driver 2.20 and Embedded SQL J 1.01, JVM compatibility with SunSoft's JDK 1.2 is required.

---

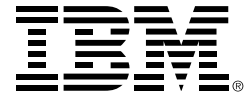
### Informix Object Interface for C++

Informix Object Interface is a tool that allows developers using C++ to work with Informix database servers using a single, object-oriented interface for the development of SQL-based applications. With support for data type and user-defined function extensibility, Informix Object Interface gives developers skilled in C++ a familiar program model for developing scalable, portable applications.

### Informix JDBC Driver

Informix JDBC Driver connects multi-tier, Java technology-based e-business applications to Informix database servers. JDBC is an API that enables developers to write database applications using Java technology. The driver supports IDS, Informix XPS and Informix OnLine Extended Edition and Standard Engine database servers, as well as Sun's JDBC API specifications.

Version 2.21 promotes accessibility to IBM Informix database servers from Java client applications, provides openness through XML support and fosters scalability through its connection pool manager feature. It supports extensibility with a user-defined data-type (UDT) and user-defined routine manager that simplifies the creation and use of UDTs. It is certified to work with IBM WebSphere Application Server Version 4. Version 2.21 also includes Embedded SQLJ 1.01, which is embedded SQL in Java, and supports JDK 1.2 and higher.



### **Informix Connect**

Informix Connect is a run-time deployment component that includes the run-time libraries of the IBM APIs that comprise Informix Client SDK. For applications running on client machines, these libraries are necessary for accessing IBM servers. Informix Connect is bundled with Informix JDBC Driver 2.21.

### **Building your future on Informix Client SDK**

An easy-to-use, reliable, high-performance solution, Informix Client SDK facilitates maximum flexibility, performance and functionality by following industry standards such as ODBC, OLEDB and JDBC. With Informix Client SDK, you can future-proof your data connectivity investments, relying on it today—and tomorrow—to build n-tier e-business applications quickly and cost effectively.

### **For more information**

Please contact your IBM Marketing Partner, or call 1 800 IBM CALL (1 800 426-2255) within the U.S. Also, go to our Web site at **ibm.com**/informix

© Copyright IBM Corporation 2003

IBM United States  
Software Group  
Route 100  
Somers, NY 10589  
U.S.A.

Printed in the United States of America  
02-03  
All Rights Reserved

AIX, Client SDK, the e-business logo, IBM, the IBM logo, Informix, Informix Dynamic Server, Informix Extended Parallel Server NUMA-Q and WebSphere are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries or both.

Microsoft, Windows and Windows NT are registered trademarks of Microsoft Corporation in the United States, other countries or both.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other company, product or service names may be trademarks or service marks of others.

References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates.

Printed in the United States on recycled paper containing 10% recovered post-consumer fiber.

