

# CONNX DB Adapter for IMS™

Fact sheet

Meet all of your data access, integration and management requirements whether you want to plug into mainframe, mid-tier, desktop or cloud systems. Using the industry's widest range of database drivers, you can create a single view of multiple databases and allow real-time access to consume the data as it is being updated in real time.

The CONNX for IMS module provides secure, real-time, read/write SQL access to IMS™ data sources on z/OS® and OS/390®. In conjunction with other CONNX modules, you can perform seamless joins between IMS and most other databases.

## Join IMS with multiple data sources

In conjunction with other products in the CONNX suite, you can perform seamless joins between two or more supported disparate databases using ODBC, OLE DB, .NET and JDBC®. CONNX for IMS is fast and efficient. With CONNX, a single metadata model can be created that spans all enterprise data sources and applications requiring data access. The result is an enterprise-wide view of data that provides a reusable standards-based framework for information access. To the user or application, data appears as if it existed in a single federated relational database.

## SQL & CONNX for IMS

The CONNX distributed SQL engine reduces the workload placed on the mainframe by performing CPU-intensive operations where the CONNX client resides (Linux®, UNIX® or Windows®, i.e., remote desktop, web and/or application server). The database calls are low level and minimize impact on the system. CONNX directly imports IMS metadata from the DBDs. CONNX supports ANSI SQL (Insert, Update, Select and Delete); group by, distinct, aggregate (AVG, MIN, MAX, SUM and COUNT), and all substring, string, date, conversion and math functions. Nested inner and outer left/right joins are supported, as well as subqueries and correlated subqueries. CONNX also supports Unions and Insert/Select.

## Key features

### Views

CONNX supports the creation of views, which facilitate hiding table relationships from the end user. CONNX Views facilitate the creation of heterogeneous joins between multiple disparate databases.

### Data conversions

CONNX supports more than 600 data types and performs bi-directional data conversions for data updates and retrieves.

### Compliance

Count on ODBC Full Compliance (level 2), JDBC Type 3 Driver, OLE DB 2.5 Driver, .NET 2.0 Driver and above.

### Security preserved and extended

The CONNX Data Dictionary provides (CDD) additional field and table-level encryptable security by group or user, ensuring the security of sensitive information. CONNX also supports row level security with CONNX Views. Additionally, the CDD is encrypted to secure sensitive information.

### Table redefinition

The CDD supports multiple record layouts of the same IMS file, based on a “record type” field.

### Record definition import

CONNX imports table definitions directly from IMS databases.



**Take the  
next step**

To learn more about CONNX, talk to your local Software AG representative or visit [www.SoftwareAG.com/connx](http://www.SoftwareAG.com/connx).

## ABOUT SOFTWARE AG

Software AG began its journey in 1969, the year that technology helped put a man on the moon and the software industry was born. Today our infrastructure software makes a world of living connections possible. Every day, millions of lives around the world are connected by our technologies. A fluid flow of data fuels hybrid integration and the Industrial Internet of Things. By connecting applications on the ground and in cloud, businesses, governments and humanity can instantly see opportunities, make decisions and act immediately. Software AG connects the world to keep it living and thriving. For more information, visit [www.softwareag.com](http://www.softwareag.com).

© 2021 Software AG. All rights reserved. Software AG and all Software AG products are either trademarks or registered trademarks of Software AG. Other product and company names mentioned herein may be the trademarks of their respective owners.

fs\_connx-db-adapter-for-ims\_en