



# CONNX DB ADAPTER FOR D-ISAM®

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 D-ISAM® module provides secure, real-time, read/write access to D-ISAM® data sources on Windows®, Solaris®, HP-UX®, AIX®, Linux® and other UNIX® flavors. In conjunction with other CONNX modules, you can perform seamless joins between D-ISAM and most other databases.

## Join D-ISAM with multiple data sources **SQL & CONNX for D-ISAM**

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 D-ISAM 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.

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 D-ISAM 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.

### Metadata import

CONNX for D-ISAM imports D-ISAM metadata directly from COBOL copybooks, Powerhouse PDLs, and a CONNX Text Specification file format into a CONNX Data Dictionary file (CDD).

### Security preserved and extended

The CDD provides 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.

### Occur clauses

The CONNX unique Rotated Array Technology makes manipulation of large arrays simple. CONNX accomplishes this by returning each column of the array as a separate row.

### Compliance

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

### Table redefinition

The CDD supports multiple record layouts of the same D-ISAM file based on a "record type" field.

Learn more at: [www.softwareag.com/connx](http://www.softwareag.com/connx).

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## ABOUT SOFTWARE AG

Software AG (Frankfurt TecDAX: SOW) helps companies with their digital transformation. With Software AG's Digital Business Platform, companies can better interact with their customers and bring them on new 'digital' journeys, promote unique value propositions, and create new business opportunities. In the Internet of Things (IoT) market, Software AG enables enterprises to integrate, connect and manage IoT components as well as analyze data and predict future events based on Artificial Intelligence (AI). The Digital Business Platform is built on decades of uncompromising software development, IT experience and technological leadership. Software AG has more than 4,500 employees, is active in 70 countries and had revenues of €879 million in 2017. To learn more, visit [www.softwareag.com](http://www.softwareag.com).

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