CONNX DB Adapter for RMS

The CONNX for RMS module provides secure, real-time, read/write, SQL access to RMS files on HP Integrity, Alpha and VAX OpenVMS platforms using ODBC, JDBC, OLE DB and .NET.

Join RMS with Multiple Data Sources
In conjunction with other CONNX modules, you can perform seamless joins between two or more supported disparate databases using ODBC, OLE DB .NET and JDBC. 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 and CONNX for RMS
The CONNX distributed SQL engine reduces the workload placed on the OpenVMS server by performing CPU-intensive operations on the client, while allowing the database engine to perform tasks for which it is best suited.

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.

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.

Metadata Import
CONNX directly imports RMS metadata from COBOL copybook, Powerhouse PDL, Common Data Dictionaries, DIBOL, Basic Map files or CONNX text specification files.

Data Conversions
CONNX supports over 400 native RMS data types and performs bi-directional data conversions for data updates and retrieves.

Arrays
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.

Table Redefinition
The CONNX Data Dictionary supports multiple record layouts of the same RMS file, based on a "record type" field.

Remote Procedures
CONNX for RMS also supports OpenVMS Remote Procedure Calls, enabling the reuse of existing business logic, remote execution of batch jobs and procedures.

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

To request a trial or for more information please contact:

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CONNX

Features	Benefits
• Federate with other relational, non-relational, networked, hierarchical, object, and flat-file database information through a single, easy-to-use, SQL-based interface. • A reusable standards-based framework for information access that drastically lowers the short- and long-term costs usually associated with complex enterprise data solutions.	• Boosts productivity and efficiency of end users and application builders by connecting different functions within the enterprise. • Shortens development time on projects using open standards. • Improves time to market. • Provides cost-effectiveness. • Preserves initial investment.
• Enables access from Microsoft Windows, Unix and Linux productivity tools, database applications, and development environments.	• Enhances flexibility for database use in a multi-tude of OS environments.
• Proven scalability, supporting any number of client machines. • Compatible with any .NET ODBC OLE DB and JDBC compliant application.	• Enables use of open standards interfaces with investment protection. • Minimises resource utilization. • Utilizes current infrastructures with no additional cost.
• Open-platform technology that integrates with existing systems so you can manage them with ease.	• Extends the functionality and life of existing architecture. • Preserves investments.
• Windows, Unix and Linux client support.	• Supports existing IT infrastructure at no additional cost.
• Field and record level protection. • Thread-safe support for multi-threaded applications.	• Provides maximum levels of data security.
• Heterogeneous joins for the creation of reports that consolidate data spanning multiple data sources.	• Maintains integrity of data.
• Secure real-time read/write access to RMS data.	• Enhances flexibility.
• Multiple views support. • Extensive data type conversion support. • Flexible data format and storage.	• Minimizes complexity for end users and applications.
• Comes bundled with the CONNX InfoNaut querying and reporting tool that enables users to instantly view their data.	• Easy to install and use.

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