CONNX for RMS

The CONNX RMS Module provides secure, real-time, read/write, SQL access to RMS databases running on VAX/Alpha OpenVMS platforms and OpenVMS HP Integrity servers, with connectivity through TCP/IP or Pathworks.

Compliance
ODBC Level 2 Compliant.
ODBC 3.51 Driver.
JDBC Type 3 Driver
OLE DB 2.5 Driver
.NET 1.1 Driver

Join RMS 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 RMS access 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 and CONNX for RMS
The CONNX distributed SQL engine reduces the workload placed on the server by performing CPU-intensive operations, where the CONNX client resides(Unix, Linux or Windows. i.e., remote desktop, Web and/or application server), while allowing the database engine to perform tasks for which it is best suited. CONNX directly imports RMS metadata from COBOL copybooks or text files.

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.

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

Occurs 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.

Popular Program Access
As with all databases supported by CONNX, CONNX for RMS has been tested with Microsoft Access, Microsoft Excel, Microsoft Visual Studio, including Visual Basic/C++, etc., Delphi, PowerBuilder, Impromptu, ReportNET, Lotus Approach, Crystal Reports and vendors such as Cognos and Business Objects. CONNX for RMS also supports ADO and ASP.NET (Active Server Pages) and JDBC is used with Websphere and Apache Tomcat.

Metadata Import
CONNX directly imports RMS metadata from COBOL copybooks, Digital's Common Data Dictionairy, DIBOL File Description, VAX Basic File Description, Powerhouse PDLs, and a CONNX Text Specification file format into a CONNX Data Dictionary file (CDD). Special imports exist for some application software vendors.

Security Preserved and Extended
The CONNX 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 CONNX Data Dictionary is encrypted to secure sensitive information.

Command Execution
CONNX provides an RPC (Remote Procedure Call) mechanism that allows remote execution of VMS batch jobs, command procedures and applications from a PC.
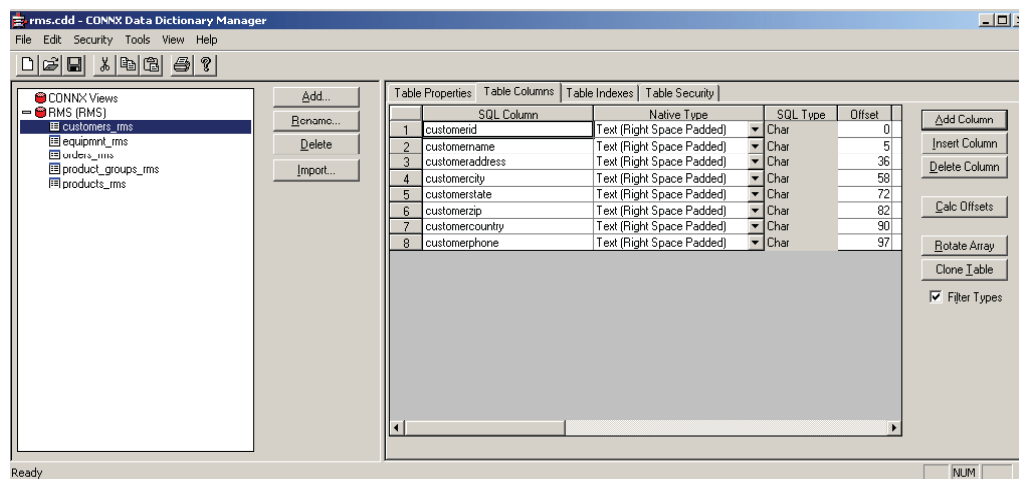
Table Redefinition
The CONNX Data Dictionary supports multiple record layouts of the same RMS file, based on a "record type" field.

CONNX for RMS

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. ▶ Data at your fingertips – anything from legacy data to recently added content to application information – anytime, anywhere. ▶ 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.
▶ Access from Microsoft Windows, Unix and Linux productivity tools, database applications, and development environments (VB.NET, C# and JDBC) that are used with Websphere, Apache Tomcat.	▶ Enhances flexibility.
▶ Proven scalability, supporting any number of client machines. ▶ Compatible with any .NET- ODBC-, OLE DB-, or JDBC-compliant application.	▶ Enables use of open standards interfaces with investment protection. ▶ Minimizes 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. ▶ Eliminates staff re-training.
▶ 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.
▶ 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.
▶ Comes bundled with the CONNX InfoNaut querying and reporting tool that enables users to instantly view their data.	▶ Easy to install and use.

CONNX for RMS

CONNX Data Dictionary Manager

For More Information about CONNX, visit www.connx.com or call 888.88.CONNX