Software Product Description

PRODUCT NAME: DEC RdbAccess for ORACLE on VMS, Version 1.0 **SPD 32.80.00**

DESCRIPTION

DEC RdbAccess is a family of database interoperability products which provide direct transparent access from VAX Rdb/VMS applications to non-VAX Rdb/VMS databases and files. DEC RdbAccess servers are specialized VAX Rdb/VMS run-time systems which can be accessed by most applications and tools which work with VAX Rdb/VMS. DEC RdbAccess for ORACLE® on VMS (referred to as RdbAccess for ORACLE) provides direct, transparent, read-only access to ORACLE databases residing on VAX systems from applications developed using products such as VAX RALLY, VAX DATATRIEVE, VAX TEAMDATA, and DECdecision.

RdbAccess for ORACLE also supports access from the VAX Rdb/VMS interactive utilities, SQL and RDO, from precompiled 3GL applications with embedded SQL or RDML, and from desktop applications using SQL/Services. VAX Data Distributor can be used to extract data from ORACLE and replicate the information across the network in VAX Rdb/VMS.

RdbAccess for ORACLE runs under VMS on VAX, MicroVAX, VAXserver, and VAXstation systems.

Features

- RdbAccess for ORACLE provides direct database access to VMS-based ORACLE tables and views. The user application accesses ORACLE data the same way it would access Rdb/VMS data. Data retrieved from ORACLE can be displayed at a user's terminal, printed, or copied to another database or file.
- RdbAccess for ORACLE does not require users to create a copy of the ORACLE database in order to make the data available to VAX Rdb/VMS applications. Creating VAX Rdb/VMS extracts of ORACLE data is a matter of user preference and convenience.
- RdbAccess for ORACLE is a specialized VAX Rdb/VMS run-time system. All requests for ORACLE data are processed by the VAX Rdb/VMS run-time system. A user or programmer makes requests to ORACLE using exactly the same commands as would be used to access VAX Rdb/VMS.
- RdbAccess for ORACLE supports most of the same user interfaces that can be used with VAX Rdb/VMS.
- ORACLE data can be accessed directly from precompiled 3GL programs using embedded SQL, SQL module language, dynamic SQL, callable RDO, or RDML. These data access sublanguages are the same sublanguages used to access VAX Rdb/VMS data tables and views. Reference VAX Rdb/VMS (SPD 25.59.xx) for a complete description of programming language support.
- ORACLE data can be accessed interactively using the VAX Rdb/VMS interactive utilities, SQL and RDO.
- ORACLE data can be accessed through SQL/Services directly from desktop applications running on MS-DOS®, OS/2™, Macintosh™, ULTRIX or VMS. Reference VAX Rdb/VMS (SPD 25.59.xx) for a complete description of SQL/Services.
- ORACLE data can be extracted and stored in Rdb/VMS tables using VAX Data Distributor. Data from multiple ORACLE databases can be rolled up into a single Rdb/VMS table.
- When RdbAccess for ORACLE is used with VAX DATATRIEVE, users can generate DATATRIEVE queries and reports that include data from both ORACLE tables or views and Rdb/VMS tables or views.
- When RdbAccess for ORACLE is used with DECdecision or VAX TEAMDATA, end users can access ORACLE data tables and views directly, join them with Rdb/VMS tables, store the results in folders, download the data to a PC-based spreadsheet, etc., for use in decision support and other personal and departmental applications.
- VAX RALLY can use RdbAccess for ORACLE to retrieve information directly from ORACLE at application execution time.
- When a user attaches to the ORACLE database, RdbAccess for ORACLE retrieves metadata from the ORACLE catalog and converts the definitions into Digital relational data definitions. These definitions can be integrated into CDD/Plus using the RDO or

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SQL INTEGRATE commands. 3GL programs can be compiled against data definitions in CDD/Plus.

- When a request is made for ORACLE data, the VAX Rdb/VMS runtime system passes the request to RdbAccess for ORACLE. RdbAccess for ORACLE converts the request into ORACLE SQL and submits it to ORACLE using dynamic SQL. RdbAccess for ORACLE performs any necessary data translations and returns the results to the calling program.
- RdbAccess for ORACLE supports remote access to ORACLE data using either VAX Rdb/VMS remote data access capabilities or ORACLE remote data access capabilities. RdbAccess for ORACLE must be installed on the same node as an ORACLE DBMS instance. Applications on a remote node can access ORACLE provided that the remote node is running VAX Rdb/VMS. RdbAccess for ORACLE can direct a request to a remote ORACLE database using ORACLE's SQL*Net®.
- RdbAccess provides a logging facility that can trace communications activity, log errors, and help isolate problems.

Limitations

RdbAccess for ORACLE provides read-only access to ORACLE databases running on VAX systems.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation, or VAXserver configuration as specified in the System Support Addendum (SSA 32.80.00-x).

SOFTWARE REQUIREMENTS*

VMS Operating System
VAX Rdb/VMS
DECnet-VAX

- Refer to the System Support Addendum (SSA 32.80.00-x) for availability and required versions of prerequisite software.

ORDERING INFORMATION

Software Licenses: QL-YQVA*-**
Software Media: QA-YQVA*-**
Software Documentation: QA-YQVAA-GZ
Software Product Services: QT-YQVA*-**

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