

This supplemental information provides options available for connecting your Lotus Domino® databases to external sources using Percussion Notrix™. If the database you are interested in is not listed in this document, please contact Percussion Technical Support for a complete list of supported options.

PERCUSSION NOTRIX SYSTEM REQUIREMENTS

The Notrix Engine is a set of executables and dlls installed on the Domino Server as an add-in task and requires 32MB of RAM above the minimum Domino requirement. About 25 MB of disk space is needed.

Notrix requires no additional client software and runs on Windows 98/2000/2003/XP, and Windows NT Version 4.0. Percussion Notrix supports Domino 5.0 or later. Contact Technical Support for additional supported options.

PERCUSSION NOTRIX CLIENT ACCESS AND DEVELOPMENT

The Visual Workbench runs on Windows 98/2000/2003/XP and Windows NT 4.0. Lotus Notes 5.0 client can be used for access and development.

Contact Technical Support for additional supported options.

DATABASE ACCESS OPTIONS

Notrix offers three levels of data integration including native access, generic access (flat file and ODBC) and gateway access.

NATIVE ACCESS

Notrix supports six 32-bit, native interfaces that use the respective SQL client API for the following databases:

- Microsoft SQL Server
- Oracle
- UDB DB2 (NT)
- AS/400 (iSeries access for Windows)
- Sybase
- Informix

Microsoft SQL Server

Windows NT, Windows 98, and 32-bit SQL Server utilities (NTWDBLIB and appropriate libraries)

Oracle Access

Oracle7 or above and SQL*Net V1.x or 2.x matching the version used by the Oracle server

Sybase SQL Server 4.2 or above

Sybase SQL Server requires the 32-bit Open Client.

IBM UDB DB2 and DB2 Mainframe Access

DB2 requires the DB2 Client Application Enabler (CAE Version 1.0 or above) or the DB2 Client (from the Server/Client package) with appropriate network drivers installed. DB2 for OS/400 requires Client Access 400.

GENERIC ACCESS

Flat File

Generic access via Percussion's flat file interface supports *.col files and ASCII.

The flat file must be either on or visible to (via the network) the Domino server where Notrix is installed. A Notes *.col file is used to define meta-data about the file content (e.g., columns, rows, delimiters, etc.)

ODBC Level 3

Percussion Notrix supports full ODBC Level 3 to access any ODBC compliant database. Following is a sample of databases supported through ODBC.

- AS/400
- Clipper
- DB2, DB2/2 via CAE 1.2, DB2/6000
- dBASE III, IV, V
- Excel (5.0, 7.0, XLS files)
- FoxBase, FoxPro 1, 2.5, 2.6, 3.0
- Gupta SQLBase
- Informix 5, 6, 7
- Ingres 6.4/04+
- Microsoft Access
- Microsoft SQL Server
- Oracle 7+
- Paradox
- Progress 7.3C, 8
- SQL/400
- SQL/DS
- Sybase SQL Server
- Sybase System 10, 11

Requirements include a 32-bit ODBC driver compliant with the operating system of your Domino server and any database client software required by the ODBC driver. OS/2 requires a driver manager.

GATEWAY ACCESS

DB2 Connect (successor to IBM's Distributed Database Connection Services (DDCS)):

- DB2 Universal Database
- DB2 for MVS/ESA
- DB2 for OS/390
- DB2 for VSE and VM
- DB2 for OS/400

DB2 Client Application Enabler V1.0 or above is required on the Domino server. Either single or multi-user DDCS is supported.

Micro Decisionware's Database Gateway (MDI is a Sybase Subsidiary):

- DB2
- Oracle
- Microsoft and Sybase SQL Server
- DB2 for MVS and MVS/CICS
- RMS
- SQL/DS under VM and VSE/CICS
- SQL/400 under OS/400
- Teradata
- Non-relational data servers such as VSAM, IMS, IDMS, and ADABAS

NOTRIX CAPABILITIES SUMMARY

EASE OF USE

The Visual Workbench provides an elegant graphical interface that adds simplicity to the job creation. Features include:

- ★ Universal Database Browser
- ★ Graphical interface
- Web-enabled job forms
- Auto-guess features
- One-stop job forms
- Graphical dialogues
- Input validation
- Error checking
- Pop-up help
- Linked help database
- Context sensitive options
- On-line help (context sensitive)

THE ADD-IN TASK ADVANTAGE

Notrix architecture is built for high performance, low overhead, and flexible deployment. Benefits of this architecture include:

- Jobs run as Domino server add-in tasks
- Unique event management and job execution allocation reduces impact on Notes server
 - Administration of the Notrix Server is standard Notes administration
 - Scheduling of Notrix jobs uses standard Notes scheduler
 - Server tasks auto-start and stop with Notes server
 - Notrix Server requires no additional server hardware, memory or processor speed
 - Support of passive load-balancing via agent/script-driven job execution or via Notes server native load-balancing

DEPLOYMENT OPTIONS

- On existing production Domino server as add-in task for best performance
- On dedicated Notes server for administrative flexibility
- As a "data hub" server for multiple Notes servers
- On a 32-bit client for development and testing

TYPING AND TRANSLATION

Notrix supports six 32-bit, native interfaces that use the respective SQL client API for the following databases:

- Automatic data typing
- Create/map fields not on the form
- Auto-generate SQL with Where conditions and multiple table joins
- Custom SQL statements
- Custom multiple table joins
- Autogenerate simple joins

TRANSFORMATION

- Collapse with sorting (many database rows map to multi-value lists in one document)
- Expand with sorting (multi-value lists in one document may map to many database rows)
- ★ Pre-Notes formula to outgoing or incoming data applied before update/create
- Post-Notes formula to Notes document changing document after transfer
- Evaluate all formulas on the form applying to Notes document after update/create
- Execute agents before and after job
- ★ Execute agents on job failure

SYNCHRONIZATION

- Create new Notes documents or DBMS rows
- Delete non-matching Notes documents or non-matching DBMS rows
- Create all new rows or documents
- Delete all, then create new, rows or documents
- Create, update, match, delete documents independent of Notes Form type
- Create, re-build or re-map Notes hierarchy
- Auto-generate Notes hierarchy
- DBMS to Notes mapping using View and/or key fields/columns
- Notes to DBMS mapping using View and/or key fields/columns
- ★ DBMS to Notes mapping using Notes formula to generate keys/matching condition
- Notes to DBMS mapping using Notes select formula
- ★ One DBMS row may update/map to many documents
- ★ One document may update/map to many DBMS rows

REAL-TIME FUNCTIONALITY

- User/Group profiles map Notes users/security to external DBMS security
- ★ Parallel sessions with one server install over a single link
- Automatic integrity checks map DBMS locking to Notes multi-user behavior
- Custom and automated error handling
- Auto-start/stop with Domino server
- Auto connect/disconnect with DBMS server
- Link or profile-based cumulative usage and response statistics
- Link or profile-based dynamic load graph

JOB EXECUTION AND ADMINISTRATION

- Chain Notrix jobs to run serially
- Trigger multi-server Notes replication before and/or after job execution (both one or two-way)
- Auto-refresh Notes views
- Scheduled job execution with Domino/NT Scheduler
- On-demand job execution via agent/button
- Automatic job logs with complete job statistics
- Notify users/groups on execution/error
- Send job log or doclink of job log in notification
- Manually run jobs from OS command prompt
- Manually load/run jobs at Domino server console

DATA INTEGRITY

- Incremental transfer with timestamps
- Incremental updates without timestamps
- Field-level updates and replication
- Two-way incremental replication through database and Notes timestamps
- True, two-way incremental replication without timestamps (using shadowing)

- ★ Features provided only by Percussion
- Features pioneered by Percussion

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