DB2® software

DB2® for Linux, UNIX, and Windows Migration Assessment Questionnaire for Sybase ASE

Version 1.2   July 26, 2010

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COMPANY NAME:	
APPLICATION NAME:	
DATE:	

Prepared By:

Technology Ecosystem Team
Information Management Software
IBM Software Group

IBM

The purpose of the assessment questionnaire is to gather metrics for evaluating the technical feasibility of application migration to DB2 for Linux, UNIX, and Windows. The IM Technology Ecosystem Team will use this information for the sole purpose of preparing an assessment of the application migration effort. We greatly appreciate your best effort in completing the questionnaire.

This document will be treated as Confidential once completed

1 - Company Information

Company Name & Address	Contact Name & Job Title	IBM PartnerWorld ID (8 digits starting with 19)
		19

Email	Telephone	IBM Representative

Development timeline for DB2 migration	
How do you plan to continue after the migration	**Clean cut over (replace current database with DB2)** **Single code stream for multiple databases (generic)** **Migration Window (short-term support for other db)** **Multiple db support via separate code for exploitation** **Other (please explain):**
Please describe your skill level/experience with DB2	

2 – Application Information (approximate counts/estimates are acceptable)

Name of application and version under consideration for enabling to DB2	
Primary functions of the application	

Please state the target deployment Client, Middle-tier, and Database server Operating Systems and versions, using the table below:

Client	Middle-tier (Application Server)	Database Server

What databases and versions are currently supported	
What application servers are currently supported (if any)	
What third-party integrated components are used (if any)	

What type of workload is expected	OLTP OLAP/BI DSS Mixed If **OLAP/BI** or **Mixed**, is any special OLAP/BI functionality required
If there are any known performance bottlenecks in the current implementation, please describe	
Approximately how many users will use the database	**Average** # of concurrent users: **Peak** # of concurrent users:
If the application exploits non-relational or proprietary database technology, please describe	
Describe where application interacts with database (e.g., application source code files, batch programs, etc.)	

Describe the application Components/Modules/Interfaces using the table below:

Component Name (e.g., billing, inventory, batch program, etc.)	Programming Languages/Interfaces (e.g., C++, Java, ODBC, JDBC, OCI, Perl, PHP, Forms, Pro*C, etc.)	Number of Modules/Files	Total Lines of Code of Modules/File

Describe the high-availability solution (if any)	Standby is: **Passive** (or read-only) **Active**
Additional comments about the Application:	

3 – General Database Information (estimates are acceptable)

What is the approximate database size	**Average** Size: GB **Largest Known** Size: GB
If more than one database is used by the application, please describe how	
If the database is partitioned across multiple servers, please describe architecture	
Describe any data loading requirements (data movement scripts, special loading utility, automatic data generation programs, etc.)	
Does the database make use of the Globalization Feature (i.e., store UNICODE data)?	**Yes No**
Describe any Security Features used (e.g., PBAC, SSL, Roles, etc.)	
If XML data is stored and/or queried, please describe	
If System Databases are being used (e.g., model, sybsystemdb, sybsystemprocs, etc.), please describe	
Are Abstract Query Plans being used	**Yes No**
Describe any database scripts (Application, Administrative, Maintenance etc.) and language used	
Is Data Replication used	**Yes No**
Additional comments about the Database:	

4 - Database Objects Information (approximate counts/estimates are acceptable)

Tables – please provide an approximate count of how many such tables are used:	Standard Tables: Partitioned (Range) Tables: Temporary Tables: Proxy/External Tables:
Indexes – please provide an approximate count of how many such indexes are used:	Standard Indexes: Function-based Indexes:
Views – please provide an approximate count of how many views are used:	
Stored Procedures – please provide an approximate count of how many such stored procedures are used:	T-SQL: SQLJ:

User-Defined Functions (UDFs) – please provide an approximate count of how many such user-defined functions are used:	T-SQL: SQLJ:
Triggers – please provide an approximate count of how many such triggers are used:	Total Defined: Call Stored Procedures: Issue COMMIT/ROLLBACK:

Please identify if any of these features are being used within any of the applicable objects:	**Cursors**
	  Stored Procedures UDFs Triggers
	WHILE
	  Stored Procedures UDFs Triggers
	WAITFOR
	  Stored Procedures UDFs Triggers

Identify if any of these data types are being used:	UNSIGNED DATE/TIME UNICHAR/UNIVARCHAR NCHAR/NVARCHAR UNITEXT	TEXT IMAGE User-defined Types (UDTs) Large Objects (LOBs)

Are System Stored Procedures (sp_* or xp_*) being used?	**Yes** **No**
Are System Tables (sys* or dbcc_*) being used?	**Yes** **No**
Additional comments about the Database Objects:	

5 – SQL Statements

Is there significant use of ALTER TABLE?	**Yes** **No** If **YES**, what is it primarily used for (ADD/DROP COLUMN or OTHER):
What is transaction mode is used?	**CHAINED** **DEFAULT/UNCHAINED/Transact-SQL**
Please identify if these options are used in any WHERE clauses:	**CASE** **LIKE using ESCAPE character**
Are table column identities every explicitly modified via INSERT or UPDATE?	**Yes** **No**
Additional comments about the SQL Statements:	

6 – Additional Data/Documentation Requests (if possible, provide samples of the following)

Database Objects DDL	Please provide some representative DDL code (Tables, Views, triggers, functions, stored procedures, Packages, Types).
Application SQL Statements	Please provide some representative (complex or important) SQL Statements that are used in Applications. Static or Dynamic.
Sample Application Code	Please provide any sample application code that you consider need special consideration for the migration.

Database Scripts	Please provide any sample database scripts (application, administrative, maintenance, etc.) that you consider need special consideration for the migration.
Application Documents	Please provide high-level Architecture, and/or Design and/or Implementation, and/or Application Benchmark Documents.

7 – Additional Comments