

Oracle DBMS To Sun MySQL Migration Assessment



Companies are increasingly looking for ways to reduce cost while increasing performance and service levels to their customers. Open source software is proving to be a key component in this movement. An open source database solution from Sun Microsystems called MySQL is in widespread use for this purpose. It has helped numerous organizations realize significant cost savings accelerate innovation and make their organizations more flexible and agile.

Dewpoint has developed a conversion strategy which relieves organizations from expensive proprietary database solutions. This conversion strategy leverages the existing and proven MySQL Migration Tool Kit to provide a documented and repeatable process. The process identifies Oracle target databases based upon known technical criteria and converts them to MySQL Enterprise. The **Oracle To MySQL Migration Assessment** is the first step in identifying client Oracle based databases that are cost effective candidates for a conversion to MySQL.



**Dewpoint is a Sun Microsystems executive partner. Contact your Dewpoint representative, or email service@dewpoint.com, for a quote on the full line of MySQL licensing and support options.*

Program Elements

This Statement of Work provides the services to complete an assessment of a client's existing Oracle DBMS environment for conversion to MySQL. The goal of this assessment is to identify Oracle DBMS environments that best match the functionality and capabilities of MySQL. Dewpoint intends to identify a client Oracle database for conversion to MySQL. Identification of the client database is based upon a technical analysis of the client database structure and objects within the database. Ideal client databases have no internal PL/SQL objects and do not rely on database check constraints. The conversion of Oracle databases that are ideal candidates to MySQL will provide production functionality at a greatly reduced cost for our customers.

The following sections provide the scope, tasks, deliverables, and costs associated with this engagement:

Project Planning

The Project Planning stage includes:

- Introduce key Dewpoint personnel
- Identify target applications, database and systems
- Discuss business objectives and goals for project
- Create a project schedule
- Discuss procedures for onsite work and temporary work space of Dewpoint personnel
- Finalize project timeline

Identification Of The Source & Targeted Databases

The identification stage includes:

- Identify ideal Oracle DBMS environments for with functionality that best matches MySQL
- Review Dewpoint's proprietary check list of conditions as part of the Analysis Phase

Analysis

The analysis phase includes identification, quantification and documentation of the packages which need to be migrated to a generic syntax, including:

- Analysis of Oracle databases for custom functions and procedures to perform common routines. The existing custom Oracle functions and procedures will be analyzed to determine their applicability in a post conversion environment
- Analysis of functions and procedures that may utilize OEM specific syntax
- Recommendation and documentation of MySQL Enterprise Subscription functional and technical DBMS requirements, including the recommended MySQL technology to achieve maximum return on investment, stability, performance for each requirement. The MySQL Enterprise Subscription delivers a number of features and data engines not available in Oracle

Program Benefits:

- *Leverage the availability and performance of MySQL*
- *Realize significant cost savings both in licensing and support*
- *Identify ideal candidates for the MySQL Migration Tool Kit which provides a documented conversion process*
- *Take the first conversation step to the MySQL platform in a tested and predictable manner.*

Object Selection

The Object Selection stage includes:

- Documentation of all objects to be migrated from the target database identified during the analysis phase

Documentation – Oracle DBMS To MySQL Assessment Report

This stage includes documentation of all the steps in the planning and assessment, including all above environmental requirements, business drivers, technical environment data and recommendations made in post assessment meetings with client. These will be provided in an *Oracle DBMS To MySQL Assessment Report*.

Program Deliverables

- Project planning sessions
- Business goals and drivers identified
- Oracle DBMS objects reviewed and documented
- Recommendation if existing Oracle DBMS environment is a cost effective candidate for conversion to MySQL
- Recommendation of expected effectiveness of using MySQL Migration tool Kit to perform the transformation from an Oracle DBMS to MySQL.
- Oracle DBMS To MySQL Assessment Report

Program Fee: \$10,000

Program fee subject to change. Contact your Dewpoint representative to confirm. Version 1, 2/16/2009

**Travel expenses are not included in the above cost of the service. Any travel expenses expected to be incurred in association with delivery of this service will be approved In advance by client and invoiced separately.*



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Statement Of Work

In order to ensure a successful project, it is important that both organizations identify and the following responsibilities:

Dewpoint Responsibilities

- Dewpoint is responsible for all tasks within this Statement Of Work

Client Responsibilities

- Client will provide timely and complete access to existing resources, systems, and documentation needed to successfully complete this project.
- Client will provide adequate workspace for each of the consultants, as well as access to telephones, copiers, faxes, conference rooms, and printing facilities as reasonably necessary.
- Client will appoint a project representative as well as any other relevant personnel to work with Dewpoint. The client project representative will be the single point of contact for all Dewpoint team members.
- Client will be responsible for any impact analysis and remediation for all external code accessing the migrated database instance.
- Client will supply an entity relationship diagram of the database to be migrated. In cases where the current database structure is not known, Dewpoint may be contracted to supply the initial ERD for additional time and cost.

Assumptions

- Work will not start until a purchase order is issued.
- If required, all work will be performed utilizing a client supplied MySQL Enterprise license.
- Client will supply or contract Dewpoint to supply any required hardware.
- Dewpoint is not responsible for existing client application faults.
- Dewpoint will work with the client to identify a finite number of Oracle DBMS systems to analyze. Due to the vast quantifiable differences between implementations of identical technologies not all client systems could be feasibly analyzed during the duration of this statement of work.
- This statement of work is targeted towards a client who wishes to analyze the feasibility of migrating one OLAP Oracle database with no client supplied packages or procedures and one OLTP database with some packages, procedures, check constraints and unique datatypes. The depth of analysis will be tailored to the length of engagement and the number of objects to be analyzed.
- Any application modifications required are outside the scope of this statement of work.
- Work related to the Migration tool Kit to perform the transformation from an Oracle DBMS to MySQL is not included in this package, only an assesment of the feasibility of the use of the Migration tool Kit.

This engagement will be scheduled after receipt of a signed copy of this Statement Of Work and a purchase order.

- Dewpoint will invoice for the services associated with this engagement upon completion of the deliverables and meeting the associated acceptance criteria.
- Payment terms are net 30 days.
- The signature below represents approval of the above Statement of Work. The affixed signature provides all authorization to proceed with the project.

Client Name

Date

PO Number