



Database Services



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Database Design

Expedio have developed a series of commodity optimised data models to manage most aspects of resource industry data. The Expedio models have been designed to manage multiple instances of commonly occurring attributes such as collar coordinates, downhole surveys and geological interpretations.

Performance Audits

Expedio provides performance audits and tuning of SQL Server databases. Enhancements include optimising field types and tuning indices and are best performed after all data has been migrated into the database and validated.

Database Migration

Migration of existing databases, from many different formats, into SQL Server databases.

Advanced Query Development

Advanced SQL query development to optimise database functionality and query performance.

Database Administration

Expedio will review aspects of your in-house managed RDBMS, so that you can be sure that your data is housed in the most appropriate way. These reviews will also cover areas such as security and auditing of changes.



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Value Added GBIS services

Expedio's industry expertise allows us to provide advanced GBIS system configuration including:

- high performance pivot queries
- interface creation and enhancement
- graphic reporter drawing creation
- on import grid transformation
- on import Dip/Dip Direction calculation
- lease boundary assignment on import

Expedio works closely with the GBIS development team to enhance the standard GBIS data model to manage a variety of data types in all major relational database management systems (RDBMS) such as SQL Server, Oracle or Access.

Data Manipulation Services

3D Data Manipulation - provision of services to optimise the use of mining and exploration software such as MICROMINE by generating form sets and macros to simplify repetitive tasks and to ensure standardised hardcopy output.

Database and Application Integration - development of custom written software to provide integration between databases and applications such as GBIS, Graphic Reporter, Arcview, Mapinfo and MICROMINE.

Reporting Services

Statutory Report/Extract Preparation - Expedio provides a range of statutory reporting services, including data extraction and conversion to required formats, report preparation and report production.

Graphical Report Production - present data in a graphical format to enable visualisation of tabular data, providing a better understanding of relationships between disparate datasets - this will maximise the information gained from your investment in data collection.

Small batch plotting – We can perform small-batch large plan plotting of your data