



## Training Course

Length - 3 Days

### About the course

This course is essential for people who will be responsible for a company's DataShed database or need in-depth knowledge of the integrated DataShed data management system. The topics cover all the administration tasks and customisation of the DataShed database. It is an intense, hands-on course designed to present all the skills needed. It is assumed that participants are familiar with DataShed and basic database principles.

### At the completion of this course participants should be able to:

- Connect to relevant Databases.
- Customise the database to reflect the commodities of interest.
- Create views to utilise assay results in a geological context.
- Understand how to manage user access to DataShed functionality and data.
- Understand the process of importing a lab file into the DataShed assay management system, ensuring all metadata and QC data is captured.
- Utilise the administration tools to manage the database.
- Have fundamental SQL skills so that objects within SQL can be created with referential integrity.
- Create objects in SQL and add the objects to the DataShed system so that they are accessible.

### About our trainers

Our course leaders are selected from our team of highly skilled data consultants.

## Course Content

### Day 1 - DataShed database administration

1. Discussion on basic principles of DataShed and configuration.
2. Using DataShed as user.
3. Creating the building blocks of the DataShed system.
4. DataShed general system administration.
5. Importing non-assay data.

### Day 2 - Assay management systems

6. Overview of normalised assay management.
7. Importing laboratory result files.
8. DataShed normalised assay system configuration.
9. Handling Lab QC samples.

### Day 3 - Work processes

10. Summary and discussions of previous days training.
11. Basic SQL database administration tasks.
12. TASK – Work flow process of creating a new sample table for DataShed.
13. Question and answer session.

## Day 1 - DataShed Database Administration

### 1. Basic Principles of DataShed and configuration:

- Over view of DataShed data management system.
- Database structure and nomenclature.
- Brief introduction to SQL Management Studio.

### 2. Using DataShed as a user:

- Viewing Data.
- Exporting data into various formats.

### 3. Creating the building blocks of the DataShed system: - Configuration Manager

- Creating DataShed objects in Config Manager.
- Configuring user profiles.
- Maximising performance for views.
- Spatial search configuration.
- Registering tables and shapes for spatial search.
- Using index manager.
- Spatial reference system.

### Lunch

### 4. Importing geological data:

- Importing data and trouble shooting.
- Creating import layouts.

### 5. DataShed general system administration:

- Customising administration settings.
- Grid transformations configuration and management.
- Desurvey module.
- Intercept calculator.
- Other system objects.

## Day 2 - Assay Management Systems

### 6. Overview of normalised assay management, data collected, statutory requirements:

- Discussion of normalised assay systems.
- DataShed work process for laboratory assay files.

### 7. Importing laboratory files:

- Creation of import layouts for standard csv lab file.
- Importing csv lab file into normalised assay system and tracking of progress.
- Creation of import layouts for standard SIF lab file.
- Trouble shooting.
- Multifile importing.

### Lunch

### 8. DataShed normalised assay system configuration:

- Advanced assay management settings.
- What to do with below detection results and value substitutions.
- Configuring the Flat Assay Tables.
- Creating "geologist" friendly views.
- Database structures and RH attributes.
- Ranking process.

### 9. Laboratory QC results:

- Configuring the incoming lab mask table.
- QC reference table.
- Running the stored procedure usp\_IncomingDataDriver.
- Configuring DataShed to run stored procedure in DataShed.

## Day 3 - Work Processes

### 10. SQL database administration:

- Tools in management studio.
- Tables, triggers and keys.
- Creating and modifying views.

### 11. TASK:

- Creating a new table and view in SQL.
- Configuration of objects in Config Manager.

### Lunch

### 12. TASK – continued:

- Importing sample data in DataShed.
- Configuring Sample table for Assay importing system.
- Creating assay file import layout.
- Import assay file.
- Configuring lab QC information to process.
- View data.

### 13. Conclusion and questions