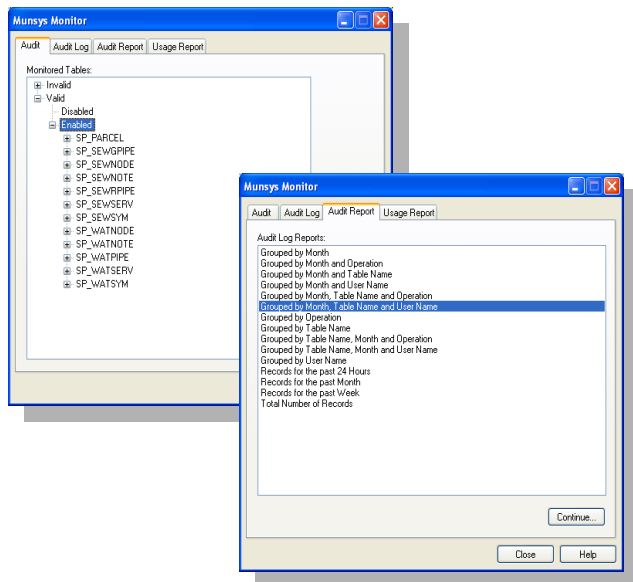


Munsys Monitor is an administrative application that enables transaction logging and reporting on spatial tables in the Munsys schema. The recorded transactions include the creation of new assets (INSERT), changes to existing assets (UPDATE), and removing of redundant assets (DELETE).

With **Munsys Monitor**, administrators can easily manage triggers in the Oracle database which are fired on all insert, update, and delete operations, irrespective of the application that is used.



Logged operations and date stamps

The monitor log keeps track of which users update what records and when. Every time a user edits an object the system will record the date, time, user name, and type of operation that occurred. The administrator can also choose whether they want to log spatial and attribute changes independently.

User login and application usage information is also recorded by **Munsys Monitor**, allowing managers to determine performance, software usage, and productivity of personnel.

In addition to logging operations, all existing records are date stamped every time a change occurs. This is very useful in determining what updates were posted to the database on or after specified dates.

This is especially convenient if the administrator is required to identify all assets created, changed, and deleted in the last six months, for example to supply incremental updates to other parties.

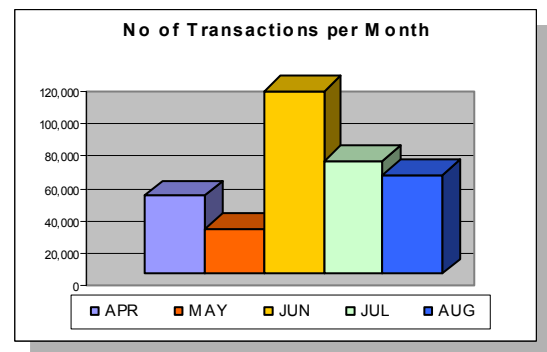
Date stamped records can also be queried to produce maps showing where recent changes have occurred.

Extensive reporting

Administrators can generate reports on monitor logs detailing operations per user, per table, or per transaction type for specified time periods. Various pre-defined reports are installed with the application.

A typical example will include generating monthly statistical reports based on operation types, depicting the number of new assets created and the number of assets modified for a calendar month.

These reports can also be exported to software such as Microsoft Excel to produce charts and graphs of database operations.



Features

- Pre-defined reports are included in the application.
- Standard triggers and log tables can be managed through an intuitive user interface.
- Easily add/remove or enable/disable monitor triggers.
- Selectively choose only certain tables for monitoring.
- Easily view the full history of any individual object.
- Report on application license usage.
- Track the full edit history of each individual asset.

Benefits

- Easily monitor progress of projects and performance of users.
- Create monthly statistical reports by user, table, or operation.
- Manage full transaction history logs through an intuitive user interface.
- No need for extensive SQL knowledge to create complex triggers.
- Maps can be created to display historical changes.

The Munsys product family

- **System management**
 - Management Console
 - Archive
 - Monitor
- **Asset creation and management**
 - Cadastral
 - Drainage
 - Electricity
 - Roads
 - Sewer
 - Water
 - Spatial Data Manager
 - Map Books
- **Information distribution**
 - Query
 - Flexmaps

System requirements (including the latest available service packs)

- **Operating system**
 - Windows® XP Pro
 - Windows® Vista
 - Windows® 7
- **Oracle database**
 - Oracle® 10g
 - Oracle® 11g
- **AutoCAD products**
 - AutoCAD®
 - AutoCAD® Civil 3D
 - AutoCAD® Map 3D

munsys

Munsys bridges the gap between Engineering and GIS by providing a central open database design that can be used by both CAD and GIS applications.

The Munsys product family addresses key organizational needs for integration, system administration, asset management, and web distribution.

We are spatial information experts with the skills and experience to enhance business practices through our industry-leading technologies, solutions and knowledge.

Our expertise enables government and utilities to create, maintain, consume and distribute spatial information in more effective ways.

Whether your data is on paper, in CAD, spreadsheets, databases or GIS, we can help you realize the full benefit of this information.