

## Waters Database Manager

Easy-to-use, web-accessible administrative interface for your Waters Informatics Database

### INTRODUCTION

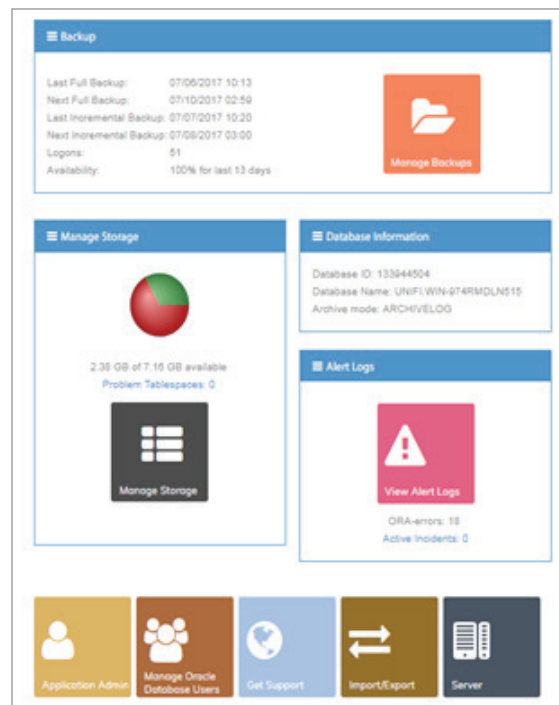
Waters® Database Manager (WDM) is a web based database management tool designed for Waters Informatics products. WDM complies with Waters Embedded Software License agreement with Oracle®, allowing it to be installed with and connect to Waters Informatics products that use an Oracle database. WDM is designed to fulfill many features that were formerly provided by Oracle Enterprise Manager (OEM), which is now no longer available for Waters Informatics products.

WDM has been introduced in Empower® 3 Software FR3 Workgroup/Enterprise, UNIFI® Scientific Information System 1.8 Network and Workstation, and NuGenesis® Laboratory Management System SR2. Later releases of these products have WDM incorporated within the product installation. Some features of WDM may differ based on the version of the product used. The use of WDM is included in the base product licensing, no additional licenses are required.

WDM is built upon Oracle APEX technologies, and is accessible across multiple platforms, i.e. tablets, PC's, OSX, and even mobile phones (when connected to corporate network).

### DASHBOARD

- Lists recent and next scheduled RMAN backups
- Reports availability stats of the database
- Database ID, Name, and current Archive Log Mode
- Reports overall storage utilization
- Reports Alert log errors and active incidents
- Provides shortcuts to management areas

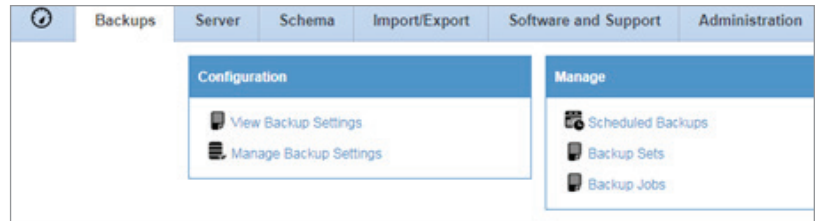


### FEATURES OF WATERS DATABASE MANAGER:

- Scheduled Oracle Recovery Manager (RMAN) backups
- Data Pump Export/Import
- E-mail notifications for threshold alerts and database errors
- Storage management, including ASM and Fast Recovery Area
- Online help module featuring topic to page linking
- Application roles for database administration or monitoring only
- Comprehensive error logging

**BACKUPS**

- Lists the RMAN configuration
- Facilitates the setting of the most important RMAN parameters for backups
- Facilitates job scheduling of one or more RMAN disk backups
- On-demand, run once and repeating schedules
- Lists available backup sets
- Comprehensive logging of all backup operations



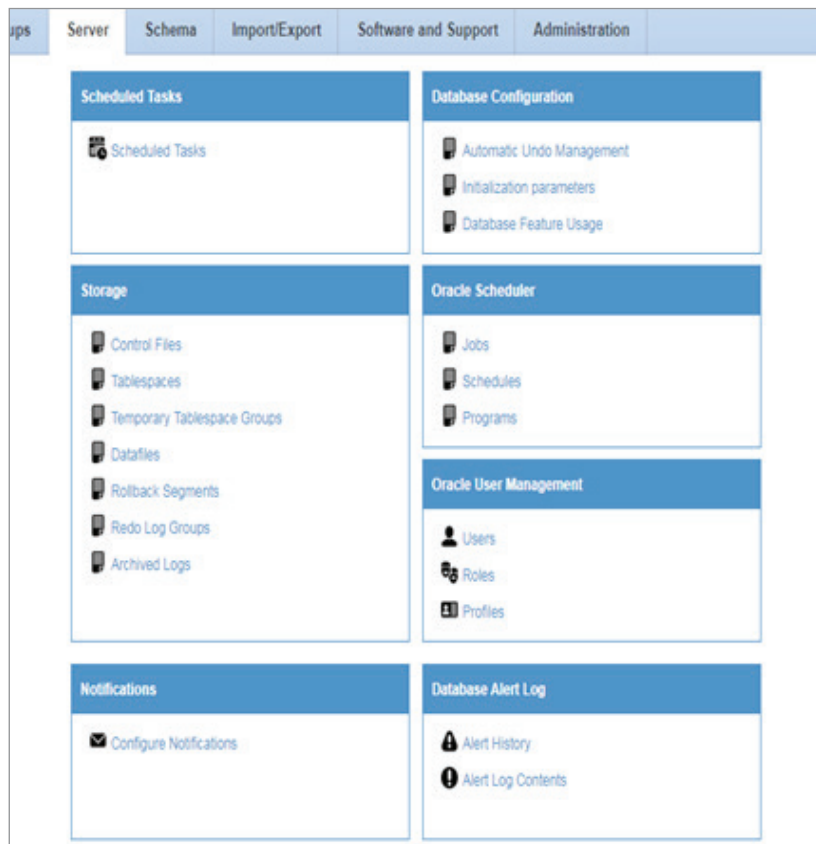
**EXPORT - IMPORT**

- Full, Tablespace, Schema and Table exports
- Displays active Datapump jobs
- Schema and Table imports and selectable Table Exists Action
- Comprehensive logging of all export and import operations
- Oracle directory creation to facilitate alternative dump file locations



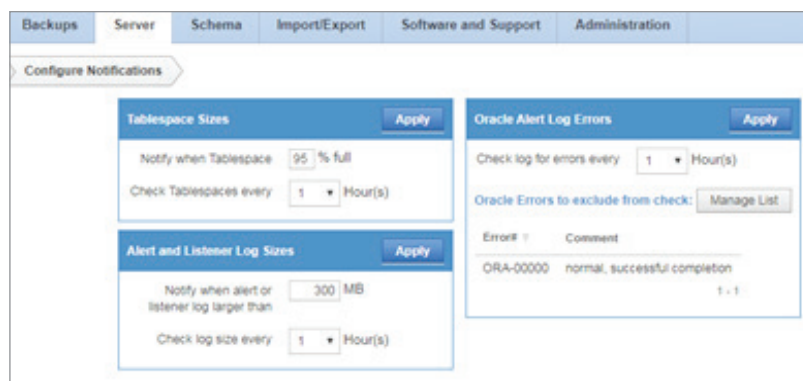
**SERVER**

- Database user management including the setting of password, password expiry, and account locking
- Lists Initialization parameters and other database configurations
- Creation and modification of Tablespaces and Datafiles
- Oracle Automatic Storage Management (ASM) administration
- View of ASM status and parameters
- ASM disk group creation and modification
- Shows the server alert log and alert history
- Lists all application scheduled jobs
- Lists configured jobs, programs, and schedules
- Configure Notifications



## NOTIFICATIONS

- Configure notifications for Tablespace storage thresholds
- Configure notifications for Alert log errors and manage exclusions
- Configure notifications for Alert and Listener log size thresholds



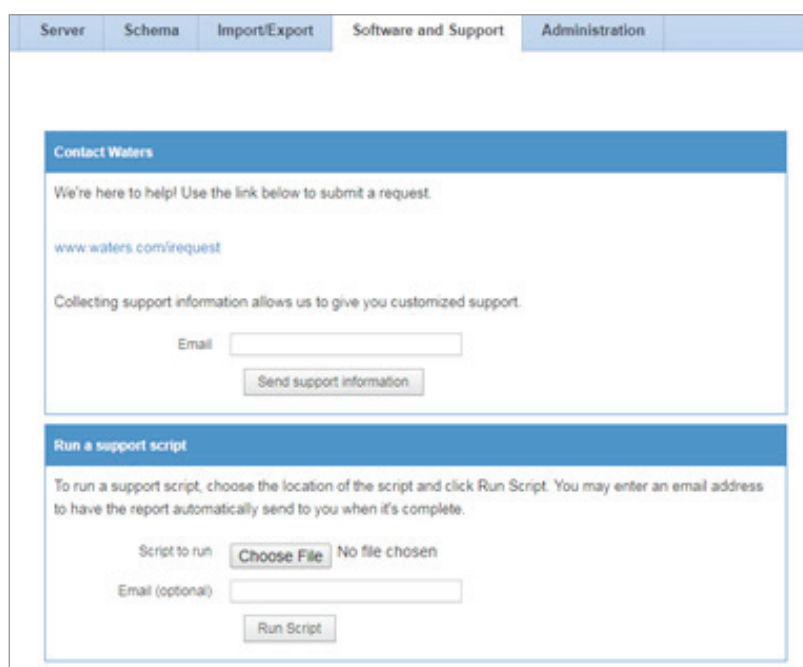
## ADMINISTRATION

- WDM Application user management
- WDM Application roles
- View the WDM configuration audit trail
- Configure SMTP server (for notifications)



## SUPPORT

- Link to Waters iRequest support site
- View server configuration information
- Send server configuration information to Waters Support or email recipient
- Run one or more SQL scripts, and optionally send the script output to email recipient



## WATERS PROFESSIONAL SERVICES

### Your "Next Steps" Partner

A global network of project managers, informatics engineers, and application scientists dedicated to ensuring the success of your organization -- providing a comprehensive suite of tailored services to optimize efficiencies, lower costs and maintain regulatory compliance in constantly changing markets.

# Waters

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