



OCEAN DATA SYSTEMS LTD
THE ART OF INDUSTRIAL INTELLIGENCE

Release Notes

Dream Report[®]

Version 4.7 R2 (4.72)

**User Friendly Programming-Free[™]
Reporting for Automation**

Contents

Release Notes.....	1
Summary of the New Functionality (compared to the original version 4.7).....	3
Brief Description of New Functions.....	4
Replay Function in Web Portal	4
Slide Show in Web Portal.....	4
SQL Table - Advanced Visualization Settings for rows.....	4
SQL Table - Dynamic Row Height	4
SQL Table - Hyperlink.....	4
SQL Table – Sub-Query Data on Hyperlink.....	4
Show Raw Data in Web – Single Data Object in a Free Table.....	4
Show Raw Data in Web – Pie.....	4
Show Raw Data in Web – Bar.....	4
Raw Data - Statistics for Chart	4
Raw Data –In SQL based Chart and Bar	4
New Dream Report Studio theme (Flat).....	5
DBatch User Interface Improvement	5
DBatch Runtime Refactoring.....	5
New functionality - Milliseconds in Objects	5
Ability to Select or Deselect all tags from branch in Web Tree Control.....	5
Real Time update for Single Data Object inside Free Table.....	5
New Statistical Function - Percentile.....	5
Ability to show navigation bar in Web Portal.....	5
NEW DRIVERS	6
New driver – Smart Signal.....	6
New Driver – InTouch ALG historical alarms driver	6
Corrected Problems/SCRs (compared to the previous version 4.7).....	7
System Requirements.....	8
Operating Systems Supported	8
Databases Supported	8
Web Browsers Support for Web Portal.....	8
Additional Software Requirements.....	8
Demo Version Limitations	8
To buy Dream Report®	8
Contact our technical support.....	8
Visit our web site	8

Summary of the New Functionality

(compared to the original version 4.7)

- **Replay Function in Web Portal**
- **Slide Show in Web Portal**
- **SQL Table – Advanced Visualization Settings for rows**
- **SQL Table – Dynamic row height**
- **SQL Table – Hyperlink**
- **SQL Table – Sub-Query Data on Hyperlink**
- **Show Raw Data in Web – Single Data Object in a free table**
- **Show Raw Data in Web – Pie**
- **Show Raw Data in Web – Bar**
- **Raw Data – Statistics for Chart**
- **Raw Data – New SQL based Chart and Bar**
- **New Studio Theme (Flat)**
- **DBatch User Interface improvements**
- **DBatch Runtime refactoring**
- **Milliseconds support in Objects**
- **Ability to select/deselect all tags from a branch in Web Tree control**
- **Real Time update for Single Data Objects inside Free Table**
- **New Statistical function - Percentile**
- **Ability to Select / Deselect all reports in User Management configuration**
- **Ability to show /hide navigation bar in Web Portal**

Drivers

- **New Driver – Smart Signal**
- **New Driver – InTouch ALG historical alarms driver**

Brief Description of New Functions

(For more details, please, refer to the Dream Report® Help documentation)

Replay Function in Web Portal

Dream Report 4.72 has a brand new Replay function which allows users to dynamically generate and display reports like a slide show, within a predefined period of time with a specified time period step. This has the effect of “replaying” statistical data over specific time period, at updated specific frequency.

Slide Show in Web Portal

Dream Report 4.72 has a brand new Slide Show display function, which allows users to display reports in Web Portal as a slide show - i.e., a continuous “loop” of reports will be displayed in a specific sequence.

SQL Table - Advanced Visualization Settings for rows

This new functionality, available in SQL Table, allows users to set visualization rules, which will be applied to the entire row of the SQL table.

SQL Table - Dynamic Row Height

Dynamic Row Height is a new option, available in SQL table. This option automatically sets the cell to the multiline mode according to the number of characters in the cell.

SQL Table - Hyperlink

The new option in SQL Table enables users to set and configure cells of the SQL Table as an Internal Hyperlink with different display options.

SQL Table – Sub-Query Data on Hyperlink

From now, a user will be able to set and configure cells of the SQL table as a SQL Raw Data Hyperlink. In the SQL Data hyperlink configuration dialog, a SQL query can be defined, the results of which will be displayed in Raw Data window in the Web Portal.

Show Raw Data in Web – Single Data Object in a Free Table

If a Single Data Object is used within a free table, a user can click on it in Web Portal and get a drop down window with raw values which was not the case in the previous version.

Show Raw Data in Web – Pie

The new Show Raw Data in Web checkbox allows users to display the raw data values which were used in Pie Chart calculations.

Show Raw Data in Web – Bar

The Show Raw Data in Web checkbox allows users to display a drop down window with a data table of values used for a bar in the Web Portal.

Raw Data - Statistics for Chart

In addition to the previous function, from now on, in Web Portal, a user can also display raw values as a chart.

Raw Data –In SQL based Chart and Bar

If a Chart or Bar graph is based on SQL Query, from now with a simple click, a user can display raw data in Web Portal.

New Dream Report Studio theme (Flat)

The list of available themes in Dream Report Studio includes now a new theme with a new modern flat look.

DBatch User Interface Improvement

The new version has significant improvements in DBatch User Interface including functional and performance improvements.

DBatch Runtime Refactoring

DBatch runtime engine has been refactored which caused significant increase of its reliability and performance.

New functionality - Milliseconds in Objects

The new functionality enables milliseconds support in Single Data Object, Item Table, Alarm Table, Step Table, SQL table, AST Table, Date time allows users to set the display mode of the data with milliseconds resolution. Milliseconds can now be either enabled or disabled, or displayed automatically. The settings will be made in the Project Localization tab or directly in the objects stated earlier.

Ability to Select or Deselect all tags from branch in Web Tree Control

Web Tree Control has now a new option which allows users to select or deselect all tags in a branch just in one click.

Real Time update for Single Data Object inside Free Table

If a Single Data Object is defined to display a real time value and is used within a free table, its value in Web Portal will be instantly refreshed, which was not the case in the previous version.

New Statistical Function - Percentile

In Dream Report version 4.72 a new statistical function was added. Percentile is a measure used in statistics which indicates the value below which a given percentage of observations in a group of observations fall. Dream Report also supports 3 ways of percentile calculation: the nearest rank method, included and excluded methods.

Ability to show navigation bar in Web Portal

New functionality allows users to display or hide the navigation bar in Web Portal.

NEW DRIVERS

New driver – Smart Signal

New driver enables Dream Report to communicate with Smart Signal data system, retrieve historical values, images, pictures, charts and use that in reports. Smart Signal communication driver has custom and complex configuration. Please, refer to Ocean Data Systems for more details.

New Driver – InTouch ALG historical alarms driver

New driver allows Dream Report to access and read *.ALG files from a Windows folder, where InTouch archives alarms, and directly use those alarms for reports.

Corrected Problems/SCRs (compared to the previous version 4.7)

SCR#	Description	Company
2762	One record is lost when Item Table has a narrow orientation and one tag has no values.	Eurotherm
2771	When generating report, which has only Excel format from Web portal using buttons New Report or New Dynamic Report, then an error page pops up.	Ocean Data Systems
2708	Batch info based on DBatch batch record cannot be retrieved when project database is defined as default SQL Server.	Ocean Data Systems
2782	RMC crashes upon report generation for a fixed period, but without "current" or "last" selected.	Ocean Data Systems
2747	If a single data object, defined to display current value, is placed into a free table, it doesn't update/refresh value in Web Report (online value's update feature)	Ocean Data Systems
2805	If a Step Table has some invisible columns and you change the number of columns, all of them become visible.	Ocean Data Systems
2735	Web portal is opened in English even if in Localization section another language has been set and in Web configuration "Default project language" has been set.	Ocean Data Systems
2259	Search and Replace is not working for objects defined as Pivot Group.	Ocean Data Systems
2812	Any user can disable User Management even without admin rights.	Ocean Data Systems
2309	Web interactive chart displays only one line when it is based on SQL Query, and query returns several columns.	Ocean Data Systems
2786	A user should not have a possibility to cancel report generation, started by another user.	Wonderware
2763	A top value of a Combo Box with obligatory value cannot be used for refreshing report.	Wonderware
2403	Units are not shown in single data objects in Web Report.	Wonderware
2766	The result of a stat. function from ODBC driver is limited by 255 symbols. 500 symbols are required.	Eurotherm
2773	Step start and step end of a Pivot Groups show N/A when group step is batch-based.	Ocean Data Systems
2822	A value from an Edit box disappears in a free table on double click.	Ocean Data Systems
2801	Wrong values are retrieved from Yokogawa .gse files with Multi-batch.	Ocean Data Systems
2785	Wrong query to the DR History in MySQL.	Ocean Data Systems
2793	Proficy Historian - prev value is not properly retrieved, a query should include the "order by timestamp desc" part.	Ocean Data Systems
2788	Timestamp format must be changed in a query of the Citect Historian driver.	Ocean Data Systems
2787	Dynamic tokens are not considered in SQL query based SPC configuration.	Ocean Data Systems
2779	Date Time object will be exported in excel report only if at least one table is exported to excel report.	Ocean Data Systems
2753	Wrong query in the Intelatrac driver.	Wonderware
2809	Wrong values in a Step Table with a step based on item value in range (based on Yokogawa gse files)	Ocean Data Systems
2815	No values from OPCDeltaV DA driver.	Ocean Data Systems

System Requirements

CPU: Dual Core 2.4 GHz+

RAM: 8 Gb+

HDD: 500Mb (for installation) minimum, 7200 rpm or higher (or SSD)

Video adapter: Minimum memory 128 Mb

Network adapter: No special requirements

Monitor resolution: 1280x768

Operating Systems Supported

- Windows 2003 Server (incl. R2) (Web Portal requires Service Pack 2)
- Windows Vista (Web Portal requires Service Pack 1 and higher)
- Windows 2008 Server (incl. R2), any SP and (32-bit) and (64-bit)
- Windows Server 2012 (incl. R2), any SP, (32-bit and 64-bit editions)
- Windows 7 (32-bit) and (64-bit) with and without SP1
- Windows 8 Professional and Enterprise (32-bit and 64-bit editions), incl. SP1 and SP1 R2
- Windows 8.1 Professional and Enterprise
- Windows 10 Professional and Enterprise (32-bit and 64-bit editions)

Databases Supported

- MS SQL Server 2005 Express, 2008 Express, 2012 Express (using ODBC SQL Native Client 11), 2014 Express (using ODBC SQL Native Client 11)
- MS Access 2000, 2003, 2007, 2010, 2013
- MS SQL Server 2005, 2008 (incl. R2)
- MS SQL Server 2012 over ODBC SQL Native Client 11
- MS SQL Server 2014 over ODBC SQL Native Client 11
- MySQL 4.x and 5.x versions over ODBC driver 3.51, 5.1
- Oracle 11 over Oracle XE ODBC driver

Web Browsers Support for Web Portal

- Internet Explorer 9 and higher (IE 11 recommended)
- Edge
- Chrome
- Mozilla
- Opera

Mobile operating systems:

Web portal is supported in a web browser on Android, iOS (both iPad and iPhone) and Windows Phone 8.1.

Additional Software Requirements

- To visualize PDF files you need to install Adobe Acrobat or other PDF viewer (the latest versions are recommended)
- To use Web Portal, you have to install a web server (Internet Information Server or other) before Dream Report® installation.
- .NET Framework 3.5 **and** .NET Framework 4.5 or higher has to be installed before Dream Report® installation.

Demo Version Limitations

If you have installed the Demo version, it will have the following limitations:

- Dream Report® runtime will run a project continuously for 30 minutes and then shut down.
- Demo license is limited to 100 data items, which can be used in a project.
- Web portal is enabled with one concurrent web client connection.
- A red line will be added on top of each report page, which says that report has been generated with the demo version of Dream Report®.

Note:

- Please, refer to the **Dream Report® online help** to get information about any specific functionality. Online help can be opened in **Help** menu of *Dream Report* studio or using **Start** menu.

To buy Dream Report®

- Please contact us at: sales@dreamreport.net

Contact our technical support

- support@dreamreport.net

Visit our web site

- www.dreamreport.net