Release Notes

Dream Report®
Version 4.6 Release 4

User Friendly Programming-Free™ Reporting for Automation

Version: 4.6 Release 4

Contents

Summary of the New Functionality (compared to the original version 4.63)

- **Dynamic image display**
- **Pivot table ("Group By" support in SQL table)**
- **FTP Downloader**
- **OLE DB support for SQL queries**
- **Concurrent report generator**
- **New web portal**
- **New web object – a "Tree" object**
- **New WebAPI parameters for web reports**
- **Enhanced web dynamic objects**

Drivers

- **New SLMP Ethernet driver for CC-Link (Mitsubishi)**
- **New Rockwell RsView & FT historical values (*.dbf) driver**
- **New Wonderware Historian driver for historical alarms (SDK and oData)**
- **Enhanced Wonderware Historian driver for historical values (ODBC)**
- **Enhanced GE Historian driver**
- **Enhanced GE Cimplicity driver**
- **Enhanced OPC HDA driver – supporting aggregation and retrieval modes**
- **Enhanced DeltaV HDA driver – supporting aggregation and retrieval modes**
- **New batch monitor driver for Yokogawa**
- **Enhanced Yokogawa historical values driver**
- **Enhanced Yokogawa historical alarms driver**

 R e l e a s e   N o t e s

Brief Description of New Functions

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

Dynamic Image Display

Usually, Dream Report can display only static pictures in reports. This new feature allows Dream Report users to define dynamic load of a picture at the moment of time generation. Now user can dynamically load a picture from a file with pre-defined filename or load a picture from a database using a SQL query.

Picture display on condition. It's also possible to specify a range of conditions and specify which picture/image has to be loaded at report generation moment when any of specified conditions is true.

Pivot table ("Group By" support in SQL table)

Pivot table is a new option, available in SQL table. This option enables handling of "Group by" statement results, where a table has to be sorted and split by result of a |group by statement. The new pivot table option provides users extensive list of available functions, including intermediate table summary for sub-categories, options to display sub-categories and others.

FTP downloader

The new automatic FTP downloader enables users to define multiple FTP sites, specify Windows folders for each FTP site, where downloaded files will be stored. Also, user can specify which files extensions have to be downloaded and how often it should check for new files. As a result, FTP downloader will periodically connect to each of defined FTP sites, check for the list of available files of defined files extensions, their modify timestamp and download all new available files to a pre-defined folder.

OLE DB support for SQL queries

Dream Report was supporting SQL queries through ODBC interface only. Now, OLE DB interface is available as well. So, in any reporting object users can define SQL queries and select which interface will be used: ODBC either OLE DB. This will enable using SQL queries in reporting for historians, which do not have ODBC interface available.

Concurrent report generator

This new Power Generator™ technology enables runtime engine to generate multiple reports simultaneously. The number of concurrent generation queues is tunable. This is especially important for projects with high number of reporting templates or projects with high amount of concurrent web users.

New web portal

The web portal in this version has passed deep refactoring.

  R e l e a s e N o t e s

- *It has considerable improvement in performance. Report page is loaded and updated considerably faster. Also, considering the ability of concurrent report generation, using Dream Report web portal is seriously faster now.*
- *User is able now to set auto-refresh period for a web report – for each report separately and not as a global parameter as before. And web report will be automatically refreshed each period according to the report setting parameter.*
- *In order to set a custom report web portal background, user can just select one image picture. There's no need to create a special complex set of images anymore.*
- *A set of themes is available for a web portal. User can select a favorite theme and web portal will be displayed in a visual style of the selected theme.*

New web object – a "Tree" object

If user needs to select a tag from a driver with hierarchical tag structure in a combo box in a web report – this is complicated today and difficult to use. New "tree" web object enables users to select a node for tag browse and then a combo box, defined as "Show tag list" can display can be linked in a tree object and display tags from selected browse tree node.

New WebAPI parameters for web reports

New WebAPIs are available to pass parameters for dynamic web report generation.

Enhanced web dynamic objects

There are new options in web objects for report generation (a button and a hyperlink). Now all objects, which can generate report, have the same unified configuration user interface to pass dynamic parameters and select report targets (email, printer).

NEW DRIVERS

New SLMP Ethernet driver for CC-Link (Mitsubishi Electric)
A new SLMP Ethernet driver enables communication with CC-Link. This driver enables communication with Mitsubishi Electric PLCs and other devices which support SLMP protocol.

New Rockwell RsView & FT historical values (*.dbf) driver
*The new Rockwell driver enables direct access and data retrieval from Rockwell RsView and FactoryTalk historical files in *.dbf format. Now reports can be made directly from that historical data source.*

New Wonderware Historian driver for historical alarms (using SDK and oData)
A new driver enables accessing historical alarms in Wonderware historian, either on-premise or cloud-based. Access to on-premise Historian alarms is done using SDK and communication to a cloud-based Historian is implemented using oData protocol.

Enhanced Wonderware Historian driver for historical values (ODBC)
New enhanced driver for Wonderware Historian driver allows accessing to a data model and browse tags from Historian in hierarchical tree view according to a data model, defined in Historian. New web tree object will allow browsing tags using Historian data model also in a web portal.

Enhanced GE Historian driver
Enhanced GE Historian driver for historical values has improved implementation of retrieval modes and data aggregation. All configuration parameters for data aggregation and retrieval modes is fine-tuned and optimized.

Enhanced GE Historian driver for historical alarms has advanced SQL condition implemented. So, now users can retrieve historical alarms from GE Historian using not only pre-defined alarm filters, but also using additional advanced SQL conditions.

Enhanced GE Cimplicity driver
Enhanced GE Cimplicity driver for historical alarms has advanced SQL condition implemented. So, now users can retrieve historical alarms from GE Cimplicity history using not only pre-defined alarm filters, but also using additional advanced SQL conditions.

Enhanced OPC HDA driver – supporting aggregation and retrieval modes
New OPC HDA driver has integrated data aggregation and data retrieval modes. So, users can select whether to retrieve all raw values or use data aggregation retrieval modes.

Enhanced DeltaV HDA driver – supporting aggregation and retrieval modes
New DeltaV OPC HDA driver has integrated data aggregation and data retrieval modes. So, users can select whether to retrieve all raw values or use data aggregation retrieval modes.

New batch monitor driver for Yokogawa recorders
New batch monitor driver for Yokogawa enables users to generate reports on a batch end event, based on Yokogawa data files, without a real-time value event. Driver is pointed on a folder with Yokogawa data files. Then a driver is monitoring that folder and in case if a

 R e l e a s e   N o t e s

new data file is detected, driver will query it for a batch end event. And if batch end event is confirmed – report generation event will be triggered.

Enhanced Yokogawa historical values driver

Yokogawa historical values driver has new data files types added – now it's also able to access and read data from DX-100 devices data files.

Also, new enhanced Yokogawa historical files driver has dramatically optimized performance and resource consumption. Now report generation from Yokogawa data files takes several times faster than with previous driver version.

Enhanced Yokogawa historical alarms driver

Updated Yokogawa historical alarms access driver has multiple new small functions added, like support of audit trail log messages, enhanced alarm properties filtering and display in reports and also enhanced performance for reports generation.

  R e l e a s e N o t e s

Corrected Problems/SCRs (compared to the original version 4.63)

SCR #	Description	Company
2396	Macro doesn't work with the option "Before report generation".	ODS
2431	An Expression from MultiTagAggregation adds a tag to the license count	YPSYS
2411	Advanced Visualization of Expression placed into a Draw Table is not visible by Edit from the report objects tree	EUROTHERM
2436	PDF file with dynamic number of pages cannot be signed	ODS
2416	Support of string values for filter range in "Counter of logged values" statistical function	ODS
2413	Objects based on Remote historical values driver, which was connected to remote LGH driver, display in report N/A.	ODS
2417	Crash of LoggerRT.exe using Remote real-time values driver when connection to remote PC was lost or rdxa.exe was stopped.	ODS
2543	Multi-tag expression brings wrong result in specific case	ODS
2556	System crashes if report has no web format enabled and it contains hyperlink.	ODS
2555	Big number of slices in a pie object causes colours to disappear when report is generated. If there are more than 11 slices, values are NA.	GE
2553	Values are not presented under X-axis on the x/y chart with the grid aligned to values	EUROTHERM
2550	Negative three-digits values are displayed incorrect if to define to display big numbers like 1,000,000 or like 1'000'000(for example -500 displayed as -,500 or -'500)	YOKOGAWA
2544	IntelaTrac driver fails to retrieve values of some items	ODS
2530	Html code pops up instead of a tooltip, while moving mouse over "+" symbol in Web portal.	WONDERWARE
2527	Report generator crashes if report contains an expression object with multi-tag expression, which also uses another expression object from another report	WONDERWARE
2526	ADF based on some stat. functions returns wrong result for a monthly step in the yearly report	YPSYS
2519	Tag replacement in the VRI is not performed for a Step Table with step based on all item values	WONDERWARE
2518	Time pickers and Combo Boxes, placed in Draw Table, loose alignment in a web report	OVIVO
2517	Yokogawa Driver Enhancement - *.dad - to have an optional selection to work based on Min or Max value from a *.dad files data set	YOKOGAWA
2515	DR studio fails to load specific .png file.	SPX
2514	When defining 2 lines in a chart and enable Absolute and Relative time for every line, then X axis will display 1970 year as a time period.	WONDERWARE
2513	Data from Web manual input is not logged in a database if internal DR database is set to remote SQL Server.	ODS

 R e l e a s e   N o t e s

2511	When define 2 lines in a chart and enable Absolute and Relative time for every line, then one of the lines will not be displayed in a PDF.	ODS
2510	It has to be possible to add a tag name with more than 32 characters from a SuiteLink driver, as DA Servers tag name can be more than 32 characters	WONDERWARE
2509	Enabling user authentication leads to an error while updating one Combo Box with a parameter from another one	EUROTHERM
2508	Dynamic generation of report in Web Portal is not possible in IE11 when report name is in Hebrew	ARDAN
2507	Multi-tag Aggregation expression cannot be saved if its text contains single quotes	YPSYS
2502	String values coming from Modbus are inverted in Dream Report	ARC INFORMATIQUE
2501	Web interactive chart is displayed as a Line, even if it was defined to be displayed as Line with Mark or Mark Only	ODS
2500	ODBC driver cannot get values from SQL DB with DB schema	EUROTHERM
2499	Enhancement to Excel driver – add an option to get current value without timestamp from Excel file	ODS
2498	Wrong text of the error message is displayed when trying to add the same tag in the Excel driver configuration (single cell option)	ODS
2495	Enhancement: If you uncheck "Show Table Horizontally" in an AST, it always uses a solid black line for the Header row, no matter which line color you set in the options in table appearance.	ODS
2494	Enhancement: "List Rows from End" should show "…" at the first row in the table, not the last row. You get the impression that there are more rows to come, but they have been truncated	ODS
2490	Enhancement: Font name selection – it should be possible to use the standard way of clicking a letter/letters, and jump to the first font name that matches.	ODS
2487	List Data Sources alphabetically	ODS
2485	Enhancement: Possibility to display dynamically pictures, images from external database.	WONDERWARE
2483	Some strings are cut off with German Localization.	ARC INFORMATIQUE
2476	Advanced SQL condition doesn't work with string tags via iHistorian driver.	GE
2474	Cimplicity driver doesn't support text values.	GE
2472	Bar Graph doesn't display any bars if it is based only on Manual Entry in Bar Definition.	ODS
2471	Tags from Yokogawa drivers are not available for Dynamic tag selection in DRG.	ODS
2445	Gauge Widget does not show the appropriate decimal places on the Scale.	ODS
2433	Chart keeps a default item from a previous defined object, but always changes data source type selection from External to DR History	ODS
2432	List of reports in Version Control dialog is not wide enough	YPSYS
2422	MVE driver must be removed from the System folder during version upgrade	ODS
2421	Once "limit database by period" option is enabled, it cannot be disabled back. The option will appear enabled only after reopening studio.	ODS

    R e l e a s e   N o t e s

System Requirements

CPU*: Duo Core 2 GHz+*
RAM*: 4 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*

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)*
- *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 Reader ver. 7.0 and higher (the latest version is 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 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®.*

<u>Note:</u>

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 sales@dreamreport.net

Contact our technical support

support@dreamreport.net

Visit our web site

www.dreamreport.net