DataFlex 2012 - 17.1.38.3

Release Notes - Please Read Carefully

Build Notes

Build 17.1.38.3

Resource Manager Security Issue

There are security issues involving the encryption password used for file streaming in the Web Application Framework. These issues were reported by Raphael Theiler, an active member of the DataFlex development community. The following changes (involving the JavaScript engine, package, Studio and WebOrder example) fix these issues.

JavaScript Engine 17.1.22.76

- cWebResourceManager now uses AES encryption with a SHA-256 hash (instead of RC4 with a SHA-1 hash).

- cWebResourceManager only allows file streaming from registered locations. Register folders using the new RegisterDownloadFolder procedure. A propertie is added for registering standard download folders.

- pbRegisterReportsCacheFolder property on cWebResourceManager controls if the default report cache folder (see GetReportsCache of cWebApp) is registered. This property defaults to true.

- pbAllowNonSessionDowloads property on cWebResourceManager controls if download URLs that are not bound to a session are allowed. This property defaults to false.

- The file uploads sample (DemoFileUpload.wo) in the WebOrder example now uses the new standardized UploadFolder function.

- Default value for cWebApp – psEncryptPassword is now "" (empty string)

WebOrder 17.1.2.0

- Changed the WebOrder sample to generate a 40 character encrypt password and store it in OrderSys. This is then used by the web application.

Studio 17.1.57.0

- The Studio generates a random 40 character psEncryptPassword value for each new web app project.

Server Installation

- The installation still installs the WebOrder example, but sets it to Disabled by default. This allows it to easily be used as a diagnostic tool but keeps it out of the way if not needed.

Build 17.1.38.0

Web Services Module 17.1.15.0 (Studio or Server)
Fixes a bug in the JSON Web Services. Posting a parameter of type integer doesn't properly handle large numbers. It only seems to read the first character of numbers with 7 or more characters.

JavaScript Engine 17.1.21.74 (Studio or Server)

Changing the value of a WebCombo during refill fails.
A WebSet of psValue during (or within the same call) a refill of the list fails if the value is not already available within the list. This happens because Web Properties are processed before client actions. The WebCombo will now be smart enough to remember the exact value it was set to and select that during a refill before UI interaction.

WebSlider high value bug
The get_psValue of the WebSlider returned a number instead of string which causes the JSON parser to run

into errors casting this (it would somehow change into scientific notation and then be unable to convert to an integer).

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Internet Explorer 11 Object Detection Fix
The framework its browser compatibility layer sometimes uses the browser detection to determine internally. Due to changes in the User Agent string format Internet Explorer 11 was detected as Mozilla Firefox. This caused the mousewheel scrolling of lists & grids to fail.

Internet Explorer 8 JSON Serialization Bug
The manual serialization to JSON resulted in invalid JSON when it contained a null value. This caused ShowYesNo and ShowMessageBox to fail when clicking on of its buttons.

Internet Explorer 8 WebSlider Sizing Bug
The WebSlider would break the rendering process because a negative value was set to a CSS property during initialization.

Internet Explorer 8 Negative Values Bug
Size calculations during initialization sometimes end up in negative numbers since the browser didn't size things yet. Internet Explorer 8 would crash if these numbers where actually set to the DOM.

cCJGrid (Studio)
BT 6606: Mouse Up changes selected row in Grid - Fixed.
BT 6221 Access violation in debugger if clicking on new cDbCJGrid row and double-clicking on an existing row very fast - Fixed

Runtime (Studio, Server or Client)
BT 6598: Base64Decode bug with large strings - Fixed.

Critical Information

You must have Microsoft Internet Explorer 8 (or higher) and the Microsoft Internet Information Services (IIS) installed on your machine to enable all the capabilities of DataFlex 2012.

Important Information for Existing Visual DataFlex Users:

1   DataFlex 2012 - 17.1 uses different DLL component naming and/or a completely separate registry branch from Visual DataFlex 17.0 (and earlier). You may install and use DataFlex 2012 - 17.1 on the same machine as Visual DataFlex 17.0 (and earlier) without interference.
2   The Web Application Server components of DataFlex 2012 - 17.1 can coexist with previous revisions of the Web Application Server and either WebApp Server 3 or WebApp Server 2 on the same machine without interference.
3   Changes that you have made in your Visual DataFlex 17.0 (or earlier) development environment (registry settings that control utilities, project workspaces, etc.) will not be automatically detected or used by DataFlex 2012 - 17.1. You will need to duplicate those changes manually. There are utilities that can assist you in importing existing workspaces.

The on-line Knowledge Base http://www.dataaccess.com/kbase and our Web Forums http://support.dataaccess.com/forums are updated daily - they are excellent resources for the latest information about DataFlex.

We also strongly recommend that you take a moment to read through the **Installation and Environment Guide** and the "What's New" section of the Help System.

Check the Visual DataFlex website regularly at **http://www.visualdataflex.com** for the latest product releases, documentation updates, and other information.

Online Resources

You can get information from any of these online sources:

World Wide Web

Check these Data Access Worldwide websites regularly.

http://www.visualdataflex.com
http://www.dataaccess.com

On the Visual DataFlex site you will find White Papers, answers to frequently asked questions, product updates, and

sample applications. On the Data Access site you will find information about new and existing products.

Contacting Data Access

Installation Assistance and Developer Support:
Data Access offers a range of support services for DataFlex and other products.

Technical support phone: 1 (305) 232-3142
Technical Support e-mail: support@dataaccess.com

Sales and Marketing Information:
Sales phone numbers: 1 (800) 451-3539
                               1 (305) 238-0012 (for International customers)
Sales e-mail: sales@dataaccess.com

For assistance outside of North America, contact your local DataFlex distributor. For a list of distributors worldwide, see
http://www.dataaccess.com