

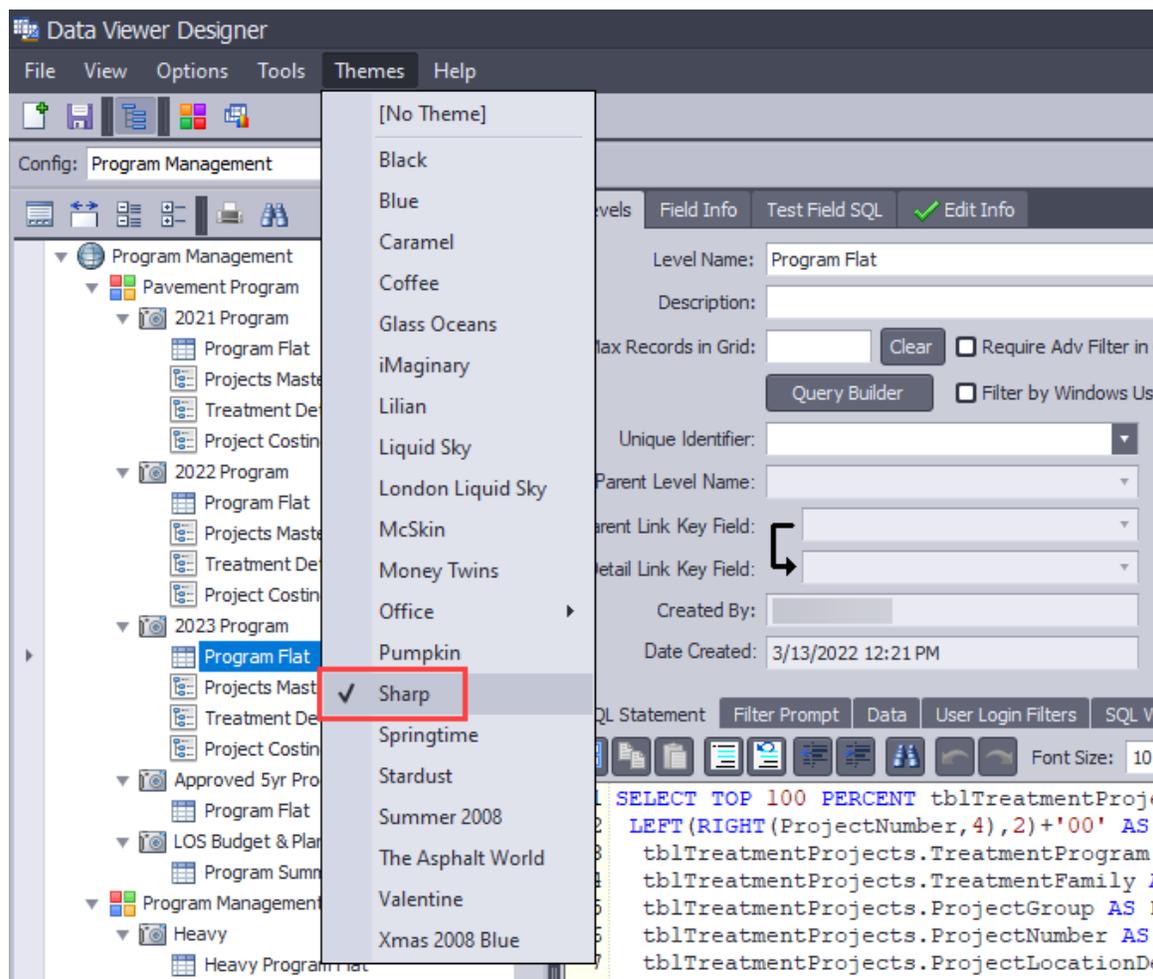
Release Notes for Data Viewer Designer

4.6 build 0

1. **Major Enhancement:** Added support for Data Viewer Designer to run as a 64-bit application in Win64 which helps eliminate any “Out of Memory” errors that may occur. In 32-bit applications, the dynamically allocated memory is restricted to 2 Gigabytes and in 64-bit applications, the restriction is 8 Terabytes (only limited to the available RAM).
2. **Upgrade:** Upgraded the Form Report components to the latest version. This major upgrade offers better performance, improved memory management on large reports, and many other enhancements. This version can preview several thousand pages of a formatted report containing text, boxes, and lines in just a few seconds. The 64-bit version can load extremely large reports containing many photos without any memory issues (limited only by the hardware). Also, the Cancel button on the progress dialog in the report preview works perfectly in this version.

4.5 build 2

1. **New Feature:** Added a new theme called: “Sharp”, as shown below.



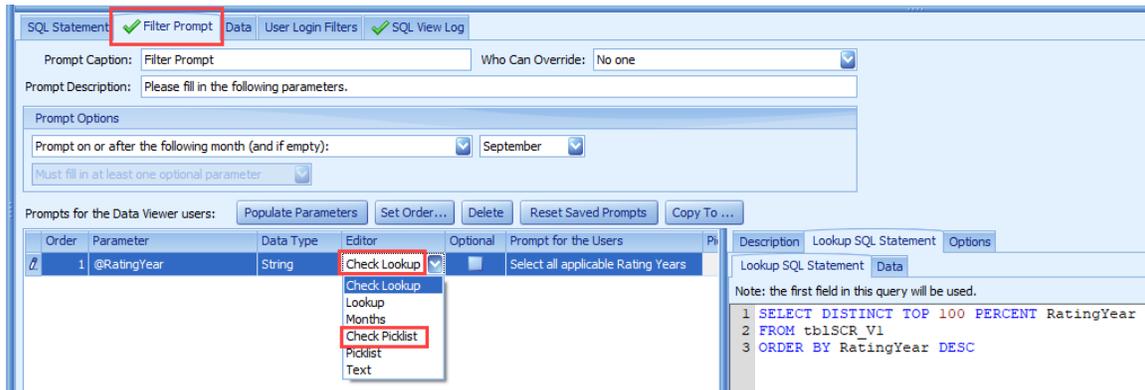
2. **Issue:** The check filter in the Filter Prompt is not working properly in every situation. If multiple items are selected, only the first checked item will be included in the filter.
Status: This issue has been resolved.

4.5 build 1

1. **Issue:** The Spell checker is not working properly on the “DataView Notes” tab, which shows all the words are misspelled.
Status: This issue has been resolved.
2. **Issue:** On the “Spelling” dialog, pressing the Options button to show the “Spelling Options” dialog will cause the Data Viewer Designer window to be moved behind other windows after the “Spelling” dialog is closed.
Status: This issue has been resolved.

4.5 build 0

1. **Major Upgrade:** All third-party controls (such as the grids, edit controls, etc.) and development tools have been upgraded to the latest version.
2. **Modification:** Re-named the tab “Parameters Prompt” to “Filter Prompt” and the caption for the “Parameters Prompt” dialog to “Filter Prompt”.
3. **Enhancement:** Modified the “Preview” button on the “Form Reports” tab to show the “Filter Prompt” dialog if the “Filter Prompt” on the “Levels\Filter Prompt” tab is defined.
4. **Major Enhancement:** Added new editors “Check Lookup” and “Check Picklist” to the Editor grid column on the “Filter Prompt” tab so that multiple items in the dropdown lists can be selected for filtering, as shown below.



Filter Prompt

Please fill in the following parameters.

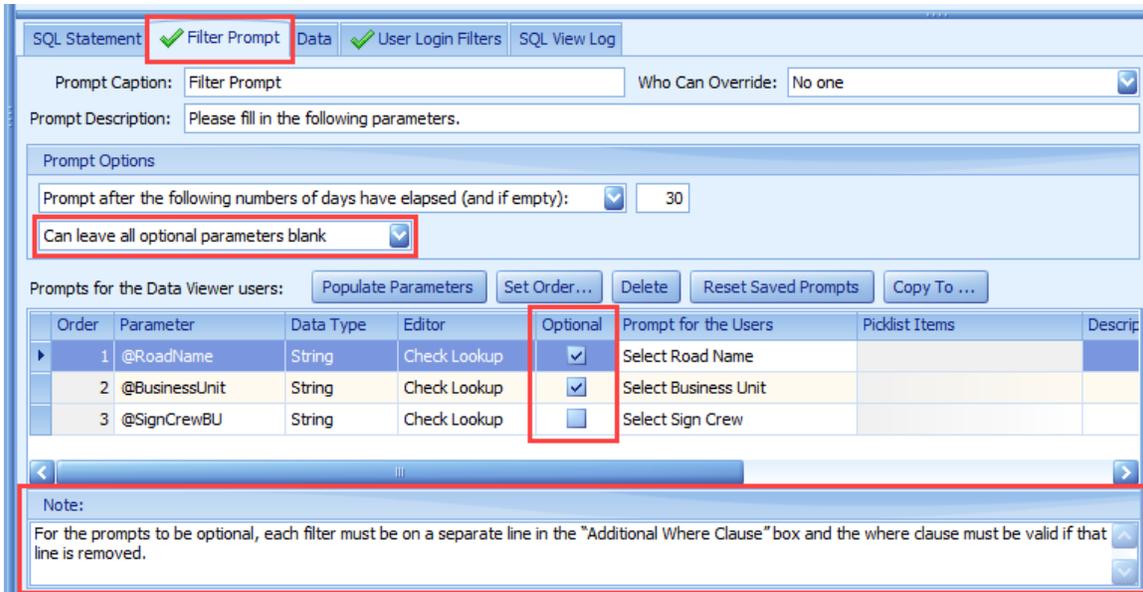
Parameter	Value	Optional	Description
Select all applicable Rating Years	2021, 2020, 2019	<input type="checkbox"/>	

Parameter Description

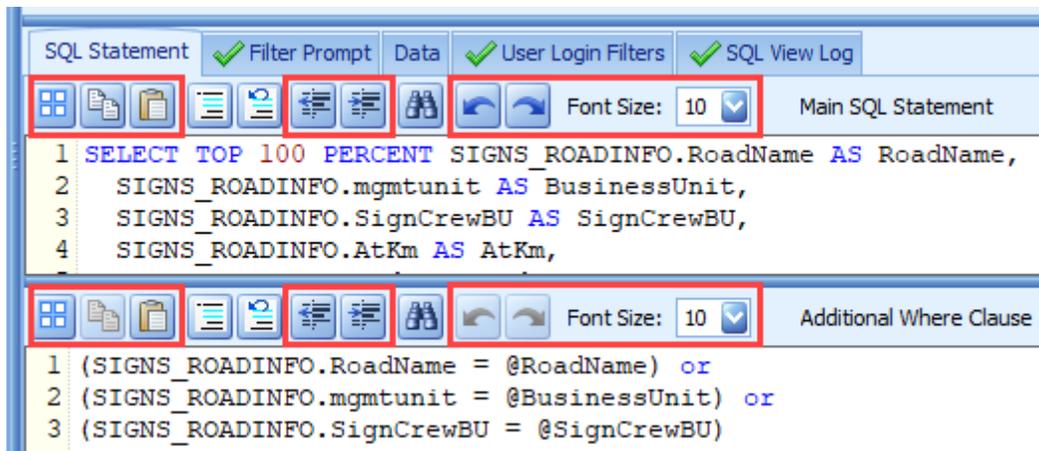
Note: The Cancel button will not load any data for the current query.

OK Cancel Override

5. **Major Enhancement:** Added the “Optional” column to the “Filter Prompt” grid to allow individual filter prompt parameters to be optional. For the prompts to be optional, each filter must be on a separate line in the “Additional Where Clause” box and the Where clause must be valid if that line is removed.
- There is also a new Prompt Option that allows for all optional prompts to be blank or must have at least one filled in.



6. **Enhancement:** Added the following buttons to the toolbars for the “Main SQL Statement” and “Additional Where Clause”:
- Select All – selects all the text in the SQL Statement memo control.
 - Copy – copies the selected text in the SQL Statement memo control to the Clipboard.
 - Paste – pastes the text from the clipboard into the SQL Statement memo control.
 - Unindent – unindents selected text by one space (Hot Key: Ctrl-Shift-U)
 - Indent – indents selected text by one space (Hot Key: Ctrl-Shift-I)
 - Undo – undoes the last edit.
 - Redo – redoes the last undo.
 - Font Size – sets the size of the font in the SQL Statement memo control.



15. **New Feature:** Added the following checkboxes to the Import DataViews dialog which are enabled when the import file contains the corresponding import options:

Update the GUIDs - Update the GUIDs from the source based on the name during the import.

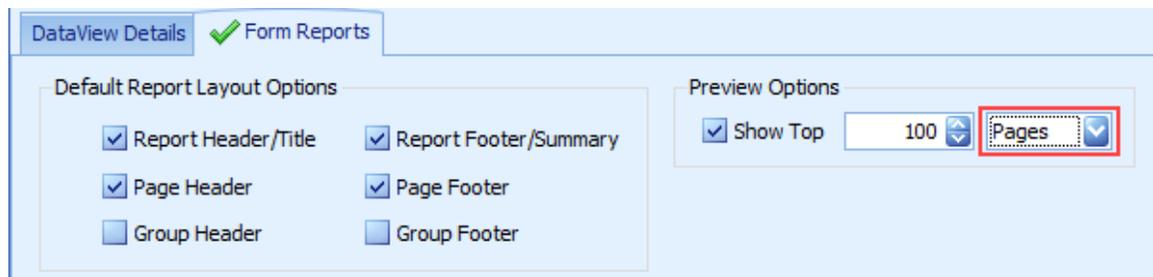
Clear and completely replace ENTIRE configuration - Clear and completely replace the ENTIRE configuration including Groups, Data Views, ALL user Layouts, Form Reports, Levels, Field Info, and other details.

16. **New Feature:** Added the following checkboxes to the Export DataViews dialog which are enabled when the user's security setting "User Can Edit All Configurations" is set to "Yes" or when the user has edit right to the configuration:

Allow Import to update the GUIDs - Allow the Import to update the GUIDs from the source based on the name during the import. This is handy when the Data Views on the destination computer do not have the same GUIDs for the corresponding Data View from the source. This situation can occur when the same Data View name is created on two different databases.

Allow Import to clear and completely replace ENTIRE configuration - Allow the Import to clear and completely replace the ENTIRE configuration including Groups, Data Views, ALL user Layouts, Form Reports, Levels, Field Info, and other details. This is handy when all the Data Views in the destination can / should be replaced with exactly what is in the source database.

17. **Enhancement:** Changed the "Percent" check box in the "Form Reports" tab to a combo box with the items: Pages, Percent, Records. Select the item "Pages" to limit the preview maximum pages to be loaded which makes it faster to preview the report. Depending on the complexity of the report, the first 100 pages will probably load in about 1 second on an average computer.



4.3 build 0

1. **Upgrade:** Upgraded the Form Report components to the latest version.

4.2 build 6

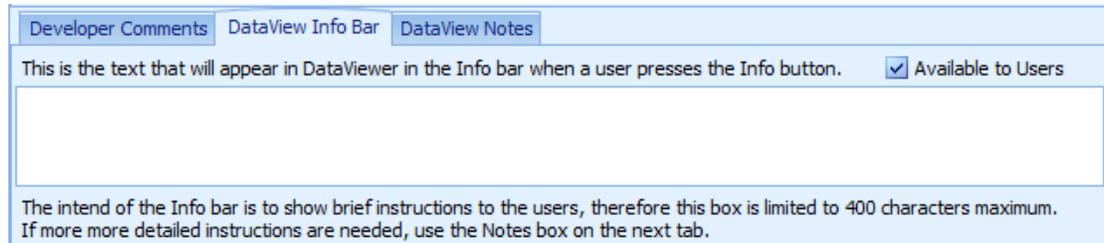
1. **Issue:** The Query Builder dialog does not show the Expression Editor when the ellipse button is clicked in the Expression or Criteria column.
Status: This issue has been resolved.

4.2 build 5

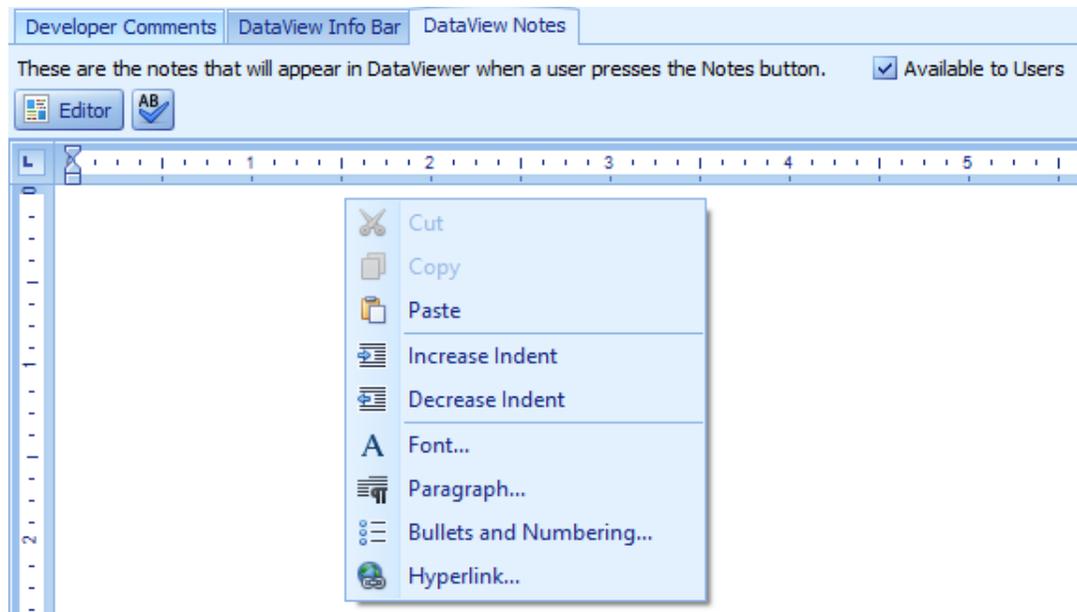
1. **Upgrade:** Upgraded the Form Report components to the latest version.

4.2 build 4

1. **New Feature:** Added the “DataView Info Bar” tab to the “DataView Details” screen. This tab contains a text edit control for entering brief instructions regarding the selected DataView. These instructions will appear above the grid in Data Viewer when the user presses the Info button. The Info button in Data Viewer is only enabled when there is text in this box and the “Available to Users” check box is checked.



2. **New Feature:** Added the “DataView Notes” tab to the “DataView Details” screen. This tab contains a rich text edit control for entering detailed notes about the selected DataView. These notes will appear in Data Viewer when the user presses the Notes button. The Editor button will pop up a Rich Text Editor for setting font properties like bold, underline, etc. You can also right click on the rich text edit control to show the options on the popup menu. The Notes button in Data Viewer is only enabled when there is text in this box and the “Available to Users” check box is checked.



3. **Enhancement:** Added additional fields to the Edit Info tab for passing extra parameters to external applications for the Edit button in Data Viewer. This helps to support locating records in multiple tables for complex data-entry forms in Data Manager, Asset Register, and MMS 4.
4. **Modification:** Disabled the mouse wheel for the controls to minimize accidental changes to the field values.
5. **New Feature:** Added the following new User Settings to enable a Configuration Manager to allow or disallow exporting data to Excel, and/or PDF for certain users.
 - a. User Can Export Grid Data to Excel
 - b. User Can Export Grid Data to PDF

4.2 build 3

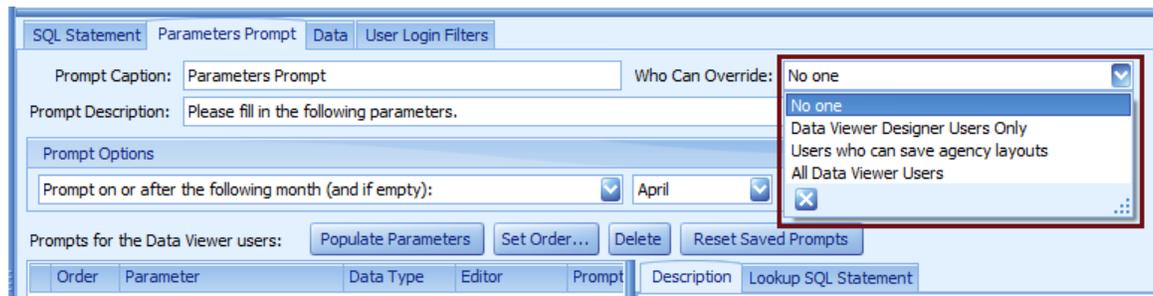
1. **Upgrade:** Upgraded the Form Report components to the latest version.
2. **New Feature:** Added the “Copy To” button to the Parameters Prompt tab for copying the Parameters Prompt settings to one or more DataView(s). This is an excellent time-saving feature for DataViews that contain common fields like Fiscal Year, etc. Setup the Parameters Prompt once then copy it to as many DataViews as needed in one process. Note: minor adjustments to the “Additional Where Clause” section may be needed if the table or field names are not the same as the original.
3. **Cosmetic:** Various cosmetic enhancements.

4.2 build 2

1. **Upgrade:** Upgraded the Form Report components to the latest version.
2. **New Feature:** Added the ability for certain types of users to override the Parameters Prompt. If the user has the appropriate authority to override the Parameters Prompt, the Override button in the Parameters Prompt dialog in Data Viewer will be enabled. If the Override button is pressed, the parameter settings are ignored as if they did not exist. The user can press the Parameters Prompt button at any time to display the dialog and use or change the parameters.

The following options are available as shown in the screenshot below:

- a. No one (meaning that the Override button is disabled for all users)
- b. Users who have Data Viewer Designer access to that Data View.
- c. Users who can save agency layouts in Data Viewer.
- d. All users who have access to that Data View.



4.2 build 1

1. **Upgrade:** Upgraded the Form Report components to the latest version.
2. **Cosmetic:** Various cosmetic enhancements.

4.2 build 0

1. **Major New Feature:** Added the ability to add query parameters that the users of Data Viewer will be prompted to enter that will filter the data. This is a very powerful feature that will eliminate the need to create Advanced Filters in many cases. There are no limits to the number of parameters that are created for a query and the prompts are completely customizable.

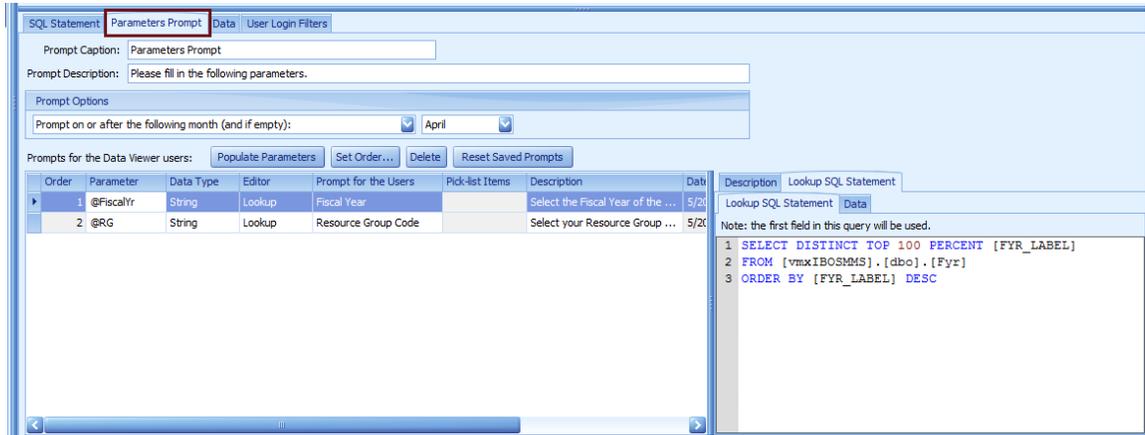
As shown below, the parameters are entered in the new **Additional Where Clause** section and must start with: **@**. The word "Where" is not needed in this section, and it can be combined with a WHERE clause in the main SQL statement. A WHERE clause in the main SQL statement is not required.

To disable the use of the Parameters, simply comment out (or remove) the SQL script in the Additional Where Clause section. Only the non-commented out script will be used.

The screenshot displays the configuration interface for a data query. The top section, titled 'Levels', contains fields for 'Level Name' (DWR Performance Flat), 'Level Type' (Flat), and 'Description'. It also includes 'Max Records in Grid' and 'Max Records in Chart' fields with 'Clear' buttons and checkboxes for 'Require Adv Filter in Grid' and 'Require Adv Filter in Chart'. A 'Query Builder' button and checkboxes for 'Filter by Windows User Name' and 'Available in Form Report' are also present. Below these are fields for 'Unique Identifier', 'Parent Level Name', 'Parent Link Key Field', and 'Detail Link Key Field'. The bottom section, titled 'SQL Statement', contains a 'Main SQL Statement' and an 'Additional Where Clause'. The 'Additional Where Clause' section is highlighted with a red box and contains the following SQL code:

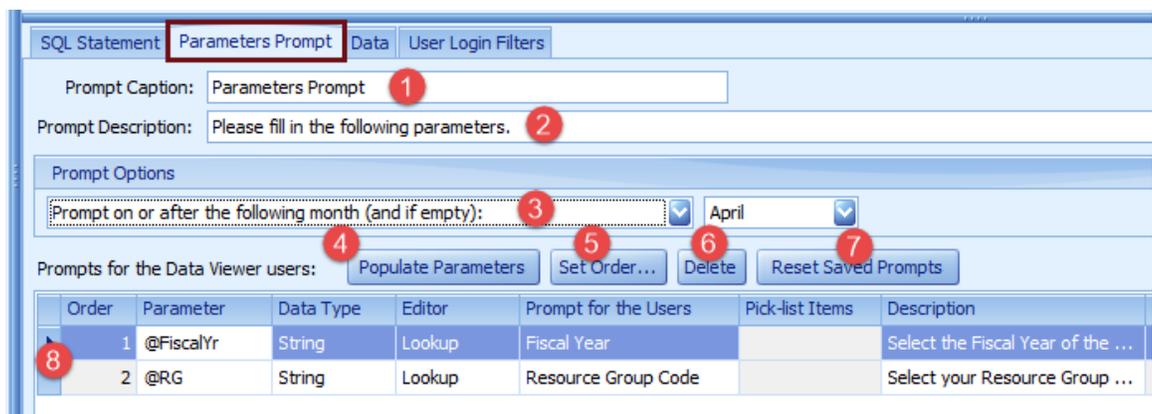
```
1 [Fiscal Yr] = @FiscalYr and RG = @RG
```

The new **Parameters Prompt** tab as shown below is where the parameters are configured.



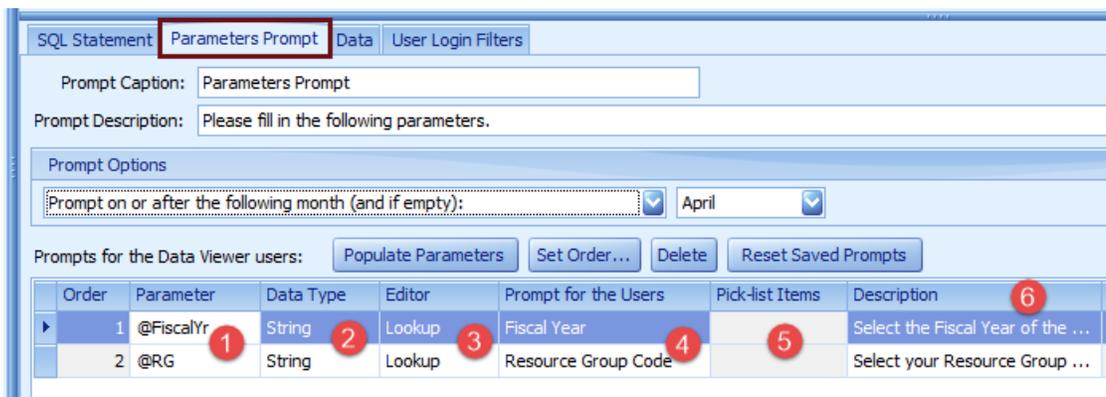
The components of the Parameters Prompt tab are as follows:

1. **Prompt Caption:** is the caption that is displayed the Parameters Prompt dialog to the Data Viewer users.
2. **Prompt Description:** is the text that is displayed to the users about the parameters grid that is used to generally describe to the users what they need to do.
3. **Prompt Options:** defines how often the prompt should appear to the users e.g. once per year, once per month, every X number of days, every time the Data View is loaded or only once.
4. **Populate Parameters** button scans the Additional Where Clause section for all parameters that start with the @ sign and populates this grid automatically
5. **Set Order** button is used to change the order the parameters will appear to the users.
6. **Delete** button is used to delete a parameter from the grid. Note the corresponding parameter in the Additional Where Clause section must also be removed.
7. **Reset Saved Prompts** clears responses for all the users. If this button is pressed, the next time the user logs into Data Viewer, the prompt will be displayed to make sure they user enters an updated set of parameters.
8. **Parameter Prompts** grid is where the properties of each parameter is configured. See the details below.

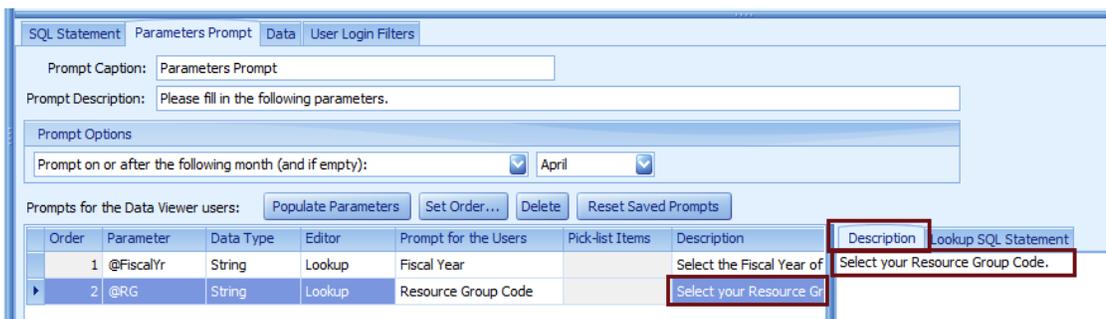


Parameters Prompt Grid Columns:

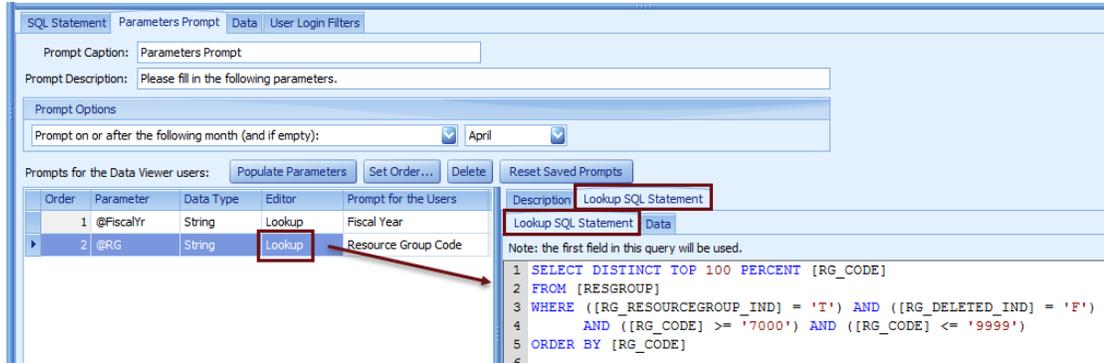
1. **Parameter** is the name of each parameter in the Additional Where Clause section. If the name is changes in the Additional Where Clause section, it must also be changed in this grid.
2. **Data Type** defines the kind of data the parameter is. The options are: Date, Integer, Float, or String.
3. **Editor** defines the kind of editor that the users will have to input the parameter. The options are:
 - a. **Lookup**: enables and uses the Lookup SQL Statement. The Lookup SQL Statement can be any query in the database. See details below.
 - b. **Months**: creates a pick-list that is automatically populated with the months.
 - c. **Pick-list**: enables and uses the Pick-List Items column.
 - d. **Text**: provides a simple textbox for the users to type in their response.
4. **Prompt for the Users**: is the User-friendly, descriptive name of the parameter for the user.
5. **Pick-List Items**: when the Pick-list editor is selected, this is where the items for the drop down will be entered.
6. **Description**: is used to describe in detail what the parameter is and what to enter for a response.



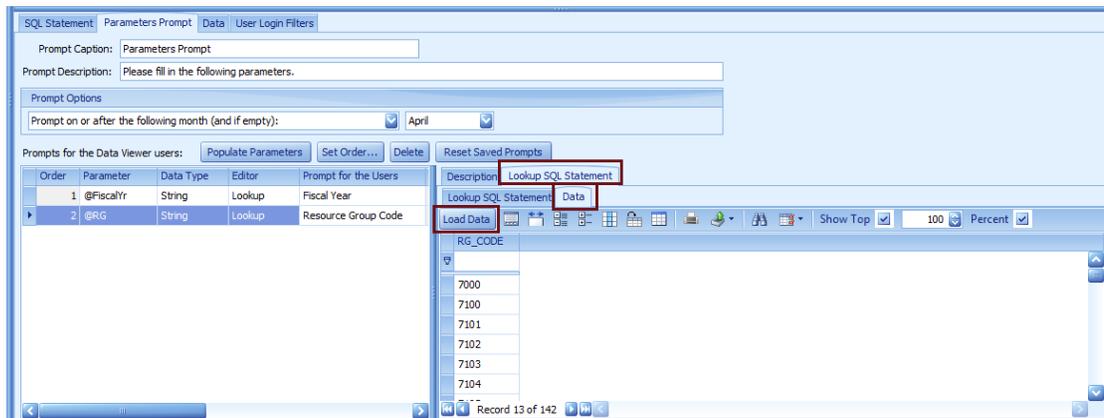
The **Description** tab is a convenient place to enter the text for the Description column.



The **Lookup SQL Statement** is where the query is entered that will populate the lookup pick-list. Be sure to use SELECT DISTINCT (to remove any duplicates in the data) and an ORDER BY clause (to make sure the data is sorted alphabetically) in the query as shown below. Only the first field in this query will be used in the. Be sure to make this query as efficient as possible. i.e. only query the source list where the applicable data is located rather than query a complex SQL View.

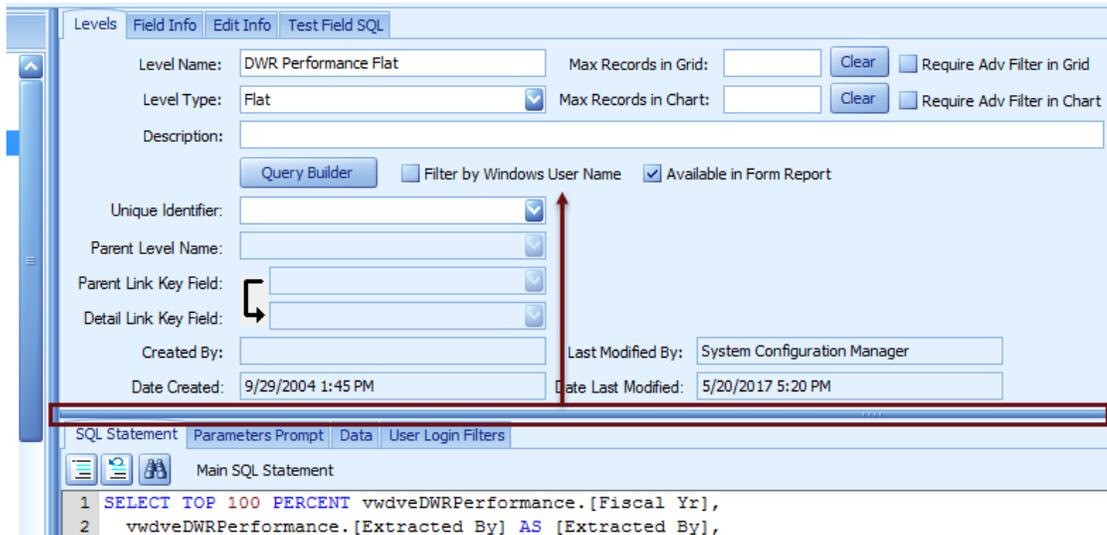


The **Data** tab under the Lookup SQL Statement tab is used to test the Lookup SQL statement. Press the **Load Data** button to run the query and populate the grid.

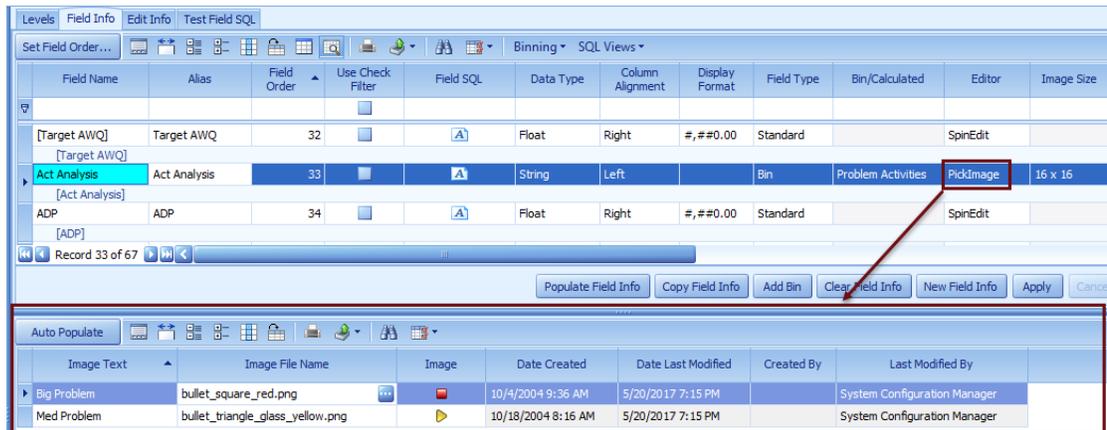


Note: If the Parameters are defined, the Load Data button on the Test Field SQL tab and the Load Data button on the main Data tab (to the right of the Parameter Prompts tab) will display the Parameters Prompt dialog the same as in Data Viewer for testing purposes.

2. **Enhancement:** added a splitter above the SQL Statement, etc. tabs to make those tabs larger if needed. The movement of this splitter is restricted to not hide the Query Builder button.



3. **Enhancement:** the Images grid on the Field Info tab is automatically hidden for records in the Field Info grid that are not configured as a PickImage Editor. The Images grid is automatically displayed for PickImage records.



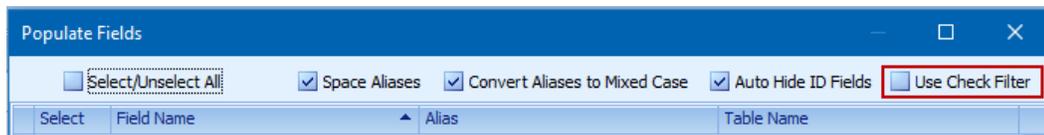
4.1 build 0

1. **Major Upgrade:** To improve compatibility with Windows 10 and SQL Server 2016, we have upgraded our development tools and third-party controls (such as the grids, edit controls, buttons, etc.) to the latest version.

2. **New Feature:** Added more Office themes to the Themes menu as shown below:



3. **New Feature:** Added the check box "Use Check Filter" to the "Populate Fields" dialog for setting the field to use check filter when the data type is "String". When the data type is "Integer" and the field name ends with the word "ID", the field is always set to use check filter.



4. **Major New Feature:** Added the “User Login Filters” tab to the Levels screen for setting up the user login filter criteria to be used in DataViewer.

Note: The Resource Groups and/or Regions list must be setup in the Custom (or WRR) Control Panel and the applicable DataViewer Agency settings must be set to Yes: Enable User Login Filter by Region(s) and/or Enable User Login Filter by Resource Group(s). See the following page for a description of the options:

User Login Filters - description of each option:

1. Enables the User’s Resource Group filter
2. Determines if the Resource Group filter field is a Code field (text) or an ID field (numeric).
3. Specifies the Resource Group field in the query that will be used to filter the data.
4. Enables the User’s Region filter
5. Determines if the filter field is a Code field (text) or an ID field (numeric).
6. Specifies the Region field in the query that will be used to filter the data.
7. Enables the User’s Login ID filter
8. Specifies the User ID field in the query that will be used to filter the data.
9. Determines if users can turn off the User Login Filter.
10. The Exceptions list is an override to the check box to the left of it. This is used to specify certain users who can turn off the User Login Filters
11. Determines which filter (Resource Group, Region, or Login Filters) will be set initially.

The screenshot shows the 'User Login Filters' configuration interface. At the top, there are three tabs: 'SQL Statement', 'Data', and 'User Login Filters', with the latter being selected and highlighted with a red box. Below the tabs are three main filter sections, each with a red callout number:

- User's Resource Group Filter (1):** Includes a checked checkbox 'Filter by User's Resource Group(s)', radio buttons for 'Filter by Code Field' (selected) and 'Filter by ID Field' (2), a dropdown menu with 'mgmtunit' (3), and a 'Table Name' field with 'SIGNS_ROADINFO'.
- User's Region Filter (4):** Includes a checked checkbox 'Filter by User's Region(s)', radio buttons for 'Filter by Code Field' (selected) and 'Filter by ID Field' (5), a dropdown menu with 'Region' (6), and a 'Table Name' field with 'SIGNS_ROADINFO'.
- User's Login ID Filter (7):** Includes a checked checkbox 'Filter by User's Login ID', a dropdown menu with 'LastModifiedByUser_ID' (8), and a 'Table Name' field with 'SIGNS_ROADINFO'.

At the bottom, there is an 'Options' section with a red callout number 9:

- Checkbox: 'All users can turn off user filters (show all data) for this Data View'.
- Button: 'Exceptions' (10).
- Text: 'Initially, filter by: Resource Group(s)' (11) with a dropdown arrow.

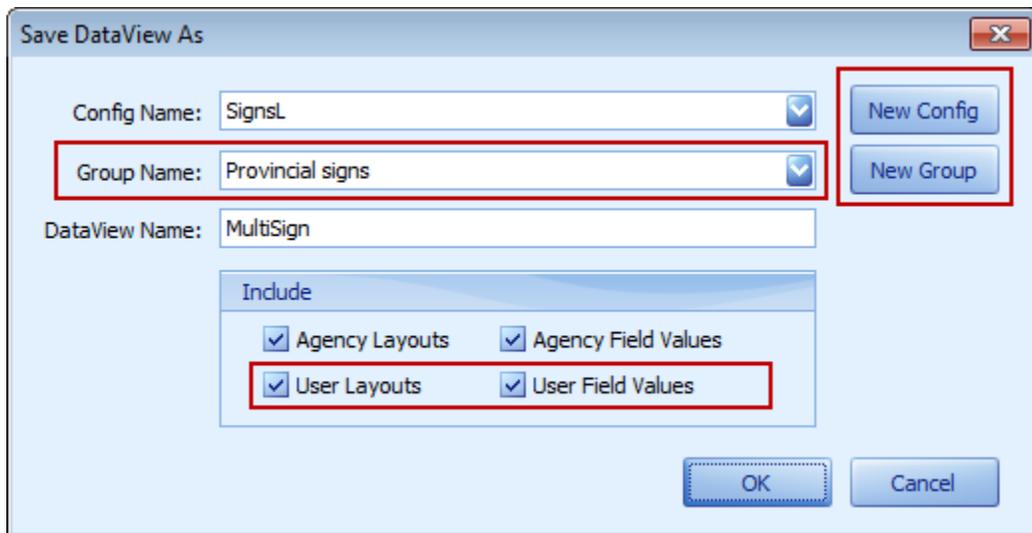
5. **Enhancement:** The master/detail nodes in the navigator tree are now sorted in the order of master node first then detail node next.

4.0 build 5

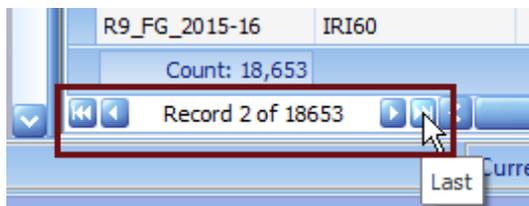
1. **Modification:** Changed the way that Data Viewer Designer is checking for the application license information.

4.0 build 4

1. **Enhancement:** Enhanced DataView Designer to allow loading the source data even when the tables for the source data are being locked by other applications. Since DataView Designer always loads the data as read-only, this is a safe improvement.
2. **Enhancement:** In the Save DataView As dialog, added the Group Name pick list, New Config and New Group buttons, User Layouts and User Field Values check boxes. This simplifies copying a DataView to a new Config and/or Group. Additionally, all User Layouts can now be copied to the new DataView using this dialog.



6. **Enhancement:** Improved the Convert Field Names button on the Binning Scheme dialog to include the fields in the output values for the conversion.
7. **Enhancement:** Changed the Display Format column on the Field Info grid to be editable for quick editing on the grid instead of using Display Format dialog.
8. **New Feature:** Added the navigator buttons to each grid (located at the bottom left) so it is much easier to move to the top or the bottom of the grid at a push of a button.



9. **Issue:** On the Field Info grid, typing any characters on the Filter Row causes the whole form to be in edit mode and the navigator tree is disabled.
Status: This issue has been resolved.

4.0 build 3

1. **Enhancement:** Changed the Import/Export DataViews to use the DB Version to check for database structure compatibility instead of the Update DB Version. Also added the Source App Version and Destination App Version information.
2. **Issue:** An error “Object reference not set to an instance of an object.” occurs when doing a search on the table/view list tree from the Query Builder.
Status: This issue has been resolved.

4.0 build 2

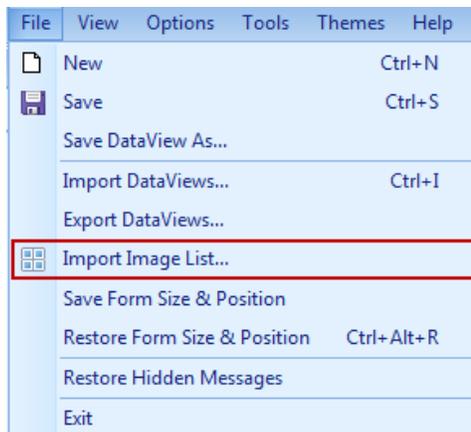
1. **Enhancement:** Set the Date Created and Date Last Modified to current date when a new DataView is created by using the “Save DataView As” menu.

4.0 build 1

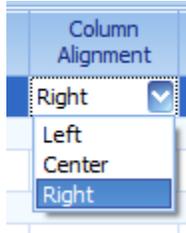
1. **Enhancement:** Improved the detection a running instance of the applications in various Windows environments and security levels.

4.0 build 0

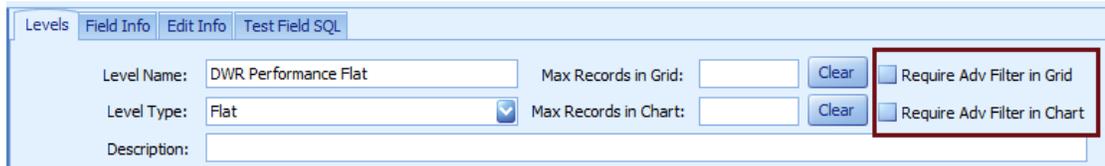
1. **Major Upgrade:** The form reporting tool in DataViewer and DataViewer Designer has been upgraded to an entirely new interface that is much easier to use than the previous version.
2. **Major Upgrade:** All other third-party controls (such as the grid, the side bar, etc.) have been upgraded to the latest version as well. There have been many enhancements to the grids as a result of this upgrade.
3. **Enhancement:** Added many more icons to the Image List. There are now over 17,000 images to choose from.
4. **New Feature:** Added the menu item “File\Import Image List” for importing the image list provided by VEMAX. Periodically, VEMAX staff will add additional images to the Image list. This feature enables users to make use of those images without requiring upgrading to a new version of the software. The entire Image List is shipped with the software, so this feature is only needed if we add images between software releases. To enable this menu item, set the user setting “User Can Import Image List” to Yes in Custom Control Panel.



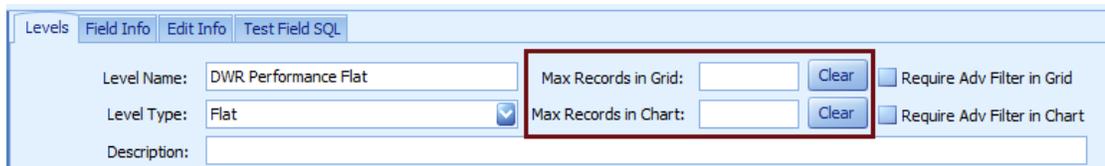
5. **New Feature:** Added the column “Column Alignment” to the “Field Info” grid for setting the text alignment (Left, Center, or Right) for each column.



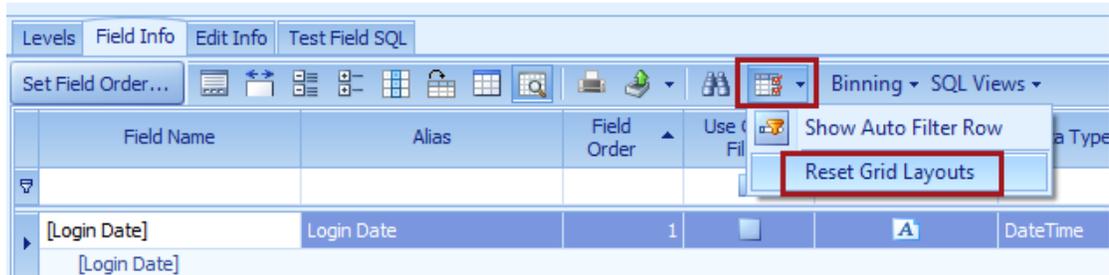
6. **New Feature:** DataView Designer now logs every time a user creates a SQL view. There is new DataView of the log table in the System config, so users can find what DataView the SQL view was created from.
7. **New Feature:** Added the options: Require Adv Filter in Grid and Chart. These options are used to force the users of DataView to use an Advanced Filter for this DataView level to ensure that the users are not trying to load too much (and unnecessary) data. We recommend that these options only be used for DataViews that may load a lot of data (80,000 records or more).



8. **Modification:** DataView Designer no longer reads the settings “Max Records in Grid” and “Max Records in Chart” from the file Vemax.GlobalInfo.dat. Instead, it reads these settings from the database. These settings are defined in DataView Designer for each DataView Level. If the “Max Records in Grid” value is blank or zero, DataView will not check for the maximum records when loading the grid to improve performance of querying the data. The same goes for the “Max Records in Chart” setting when loading the chart.
- We recommend that these values only be added for DataViews that may load a lot of data (80,000 records or more).



9. **Modification:** Improved the “Reset Grid Layouts” feature in the Field Info to include the Images grid. VEMAX recommends that each user of DataViewer Designer, reset the grid layouts for this version.



10. **New Feature:** Added the ability to multi-select any number of cells in the grids then copy and paste that data into other software like MS Word, MS Excel, etc.

The following functionality is included with this feature:

- Click and Drag to select any combination of cells.
- Ctrl – A to select the entire grid.
- Click and Shift-Click to quickly select one or more columns or any range of data.
- Ctrl – C to copy the selected cells.
- Column Headers are copied.
- Conditional Formatting is copied.

Act	Descr	Wrk Prog	Wrk Prog Descr	UoM
00102	Snow/Ice Control Cont Truck	Snow/Ice	Snow & Ice Control	Pass Kms
02801	Refuse Pick Up	SWM	Solid Waste Management	Hour
01601	ReGravel	GSM	Gravel Surface Maintenance	Km
01601	ReGravel	GSM	Gravel Surface Maintenance	Km
00901	Signing - Install	Traf Con	Traffic Control / Devices	Sign
00105	Snow/Ice Control General	Snow/Ice	Snow & Ice Control	Hour
00103	Snow/Ice Control County Grader	Snow/Ice	Snow & Ice Control	Pass Kms
00101	Snow/Ice Control County Truck	Snow/Ice	Snow & Ice Control	Pass Kms
03004	Vacation/Paid Leave	Admin	Administration	Hour
03004	Vacation/Paid Leave	Admin	Administration	Hour
00105	Snow/Ice Control General	Snow/Ice	Snow & Ice Control	Hour
03004	Vacation/Paid Leave	Admin	Administration	Hour
00105	Snow/Ice Control General	Snow/Ice	Snow & Ice Control	Hour

11. **Issue:** The Binning Scheme dialog doesn't create the correct SQL statement when using the operator “Contains” or “Starts with” or “Ends with”.

Status: This issue is resolved.

12. **Issue:** An error occurs in the Fast Report Designer regarding an assembly is not referenced when setting the chart component's property in code.

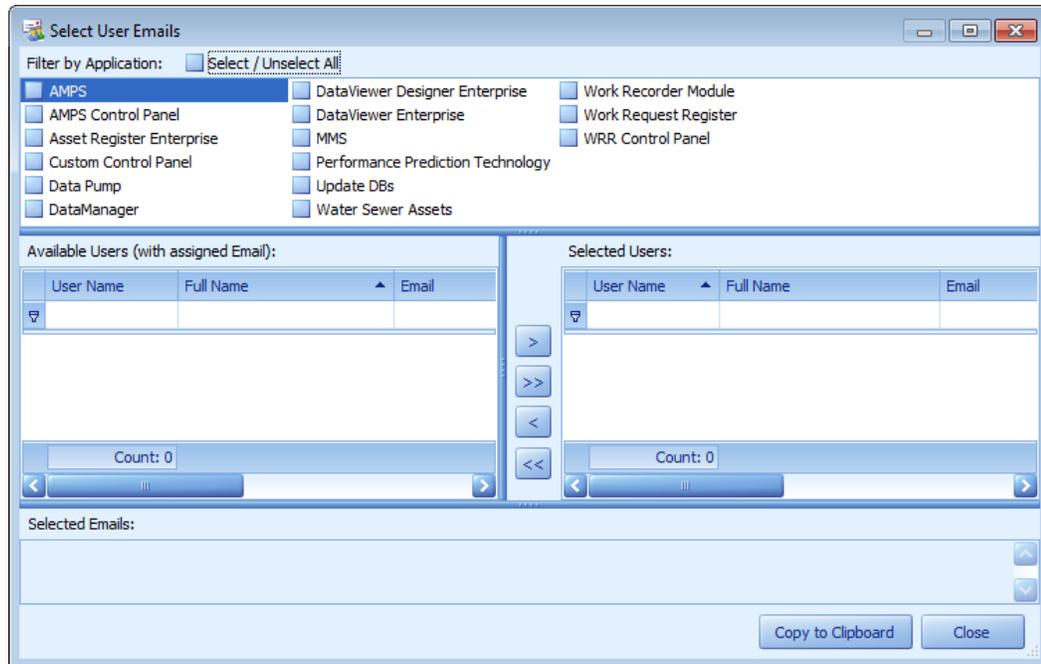
Status: This issue is resolved.

3.2 build 3

1. **Enhancement:** DataViewer Designer now supports SQL statement containing text like '_____'.
_____.

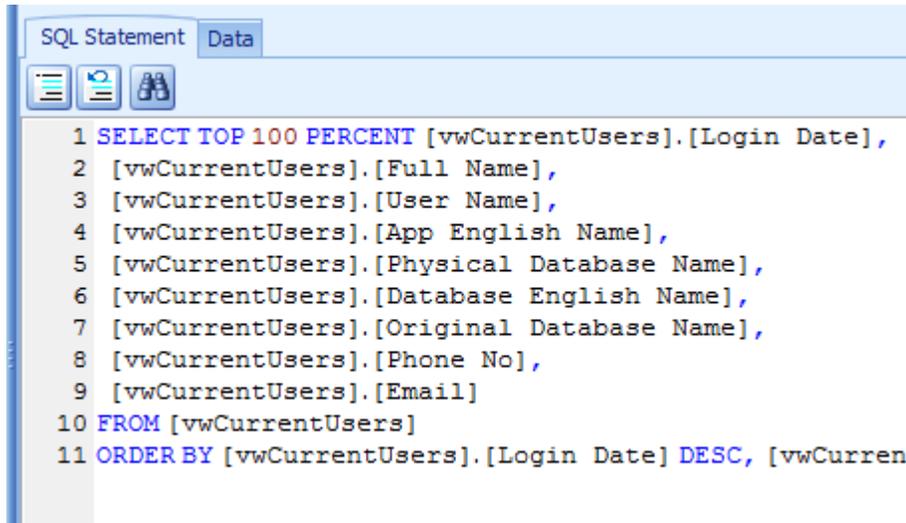
3.2 build 2

1. **Major New Feature:** To simplify the process of sending group emails to users, we added the menu item “Options\Select User Emails” to the main menu for selecting the multiple user emails. Select the users to include in the list then press the “Copy to Clipboard” button to copy the list to the clipboard for use in other application such as Outlook email client. Note: Only users with an email address setup in the Custom Control Panel (or WRR Control Panel) will appear in this list.



2. **New Feature:** Added the fields “Created By” and “Last Modified By” to the tabs “Config”, “Group”, “DataView Details”, “Levels”, “Form Report”, and “Field Info” for keeping track of who created the record and who last modified the record.
3. **New Feature:** Added the field “Comments” to the tab “DataView Details” for the user to provide additional comments for the DataView. The existing Description field is for the user to provide a brief description for the DataView and it’s also being displayed as hint in DataView. For additional comments, use the Comments field instead.
4. **New Feature:** Added the field “Description” to the tab “Level” for the user to provide a brief description for the level.

5. **New Feature:** Replaced the memo control that displays the SQL Statement. This new control offers improved syntax highlighting, line numbers, and a much better search and replace feature.

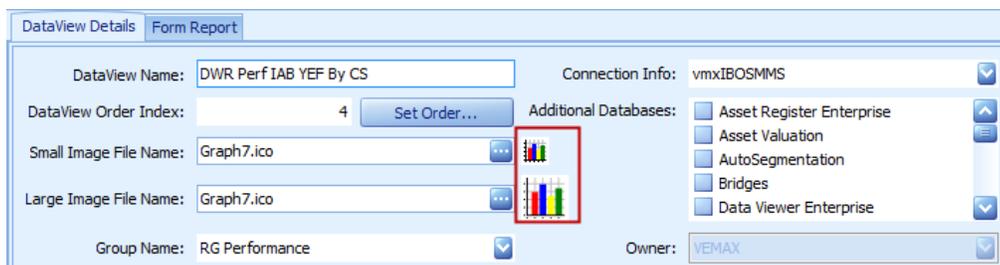


```
SQL Statement Data
1 SELECT TOP 100 PERCENT [vwCurrentUsers].[Login Date],
2 [vwCurrentUsers].[Full Name],
3 [vwCurrentUsers].[User Name],
4 [vwCurrentUsers].[App English Name],
5 [vwCurrentUsers].[Physical Database Name],
6 [vwCurrentUsers].[Database English Name],
7 [vwCurrentUsers].[Original Database Name],
8 [vwCurrentUsers].[Phone No],
9 [vwCurrentUsers].[Email]
10 FROM [vwCurrentUsers]
11 ORDER BY [vwCurrentUsers].[Login Date] DESC, [vwCurrentUsers].[Full Name] ASC
```

6. **New Feature:** Added the Find button on the SQL Statement tab for searching and replacing text in the SQL Statement.
7. **Cosmetic:** Replaced the icons on the buttons with newer images.
8. **Issue:** An error occurs when trying to load the level data with the query containing the field(s) with the data type of “Geography” or “Geometry”.
Status: This issue is resolved.
9. **Issue:** In the “Levels\SQL Statement” tab, the position of the current line doesn’t stay when one of the buttons “Comment”, “Uncomment”, or “Apply” is pressed.
Status: This issue is resolved.

3.2 build 1

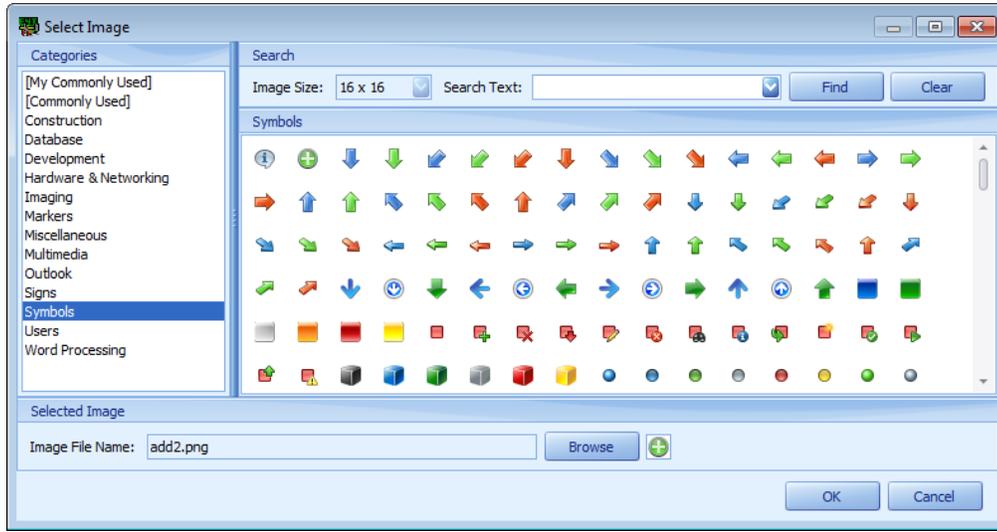
1. **Enhancement:** Added Image Size and Show Image Text columns to the Field Info grid for supporting various image sizes when the Editor value is set to PickImage. We also added the Image column to the grid below Field Info grid for displaying the selected images.
2. **Enhancement:** On the DataView Details tab, added the image controls for displaying the selected small image and large image.



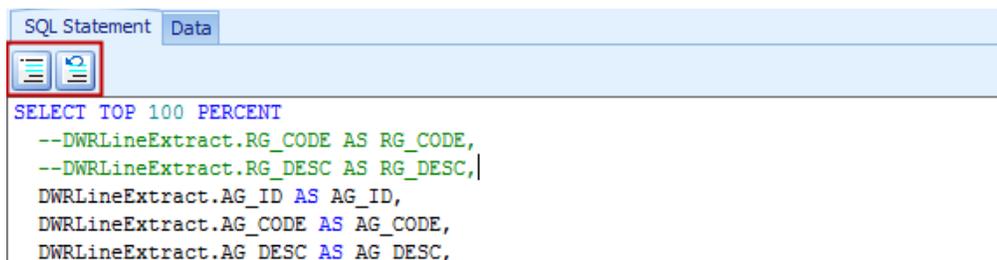
- Enhancement:** On the Field Info tab, added the Reset Grid Settings to the grid toolbar for resetting the grid settings back to factory default.



- New Feature:** The Select Image dialog now supports a library of high quality images which are organized in categories and the images are searchable.



- Enhancement:** Changed the DataView Description memo box on the DataView Details tab to support unlimited text.
- New Feature:** Add the Comment Out and Uncomment buttons to the Levels\SQL Statement tab for commenting out or un-commenting the selected lines.

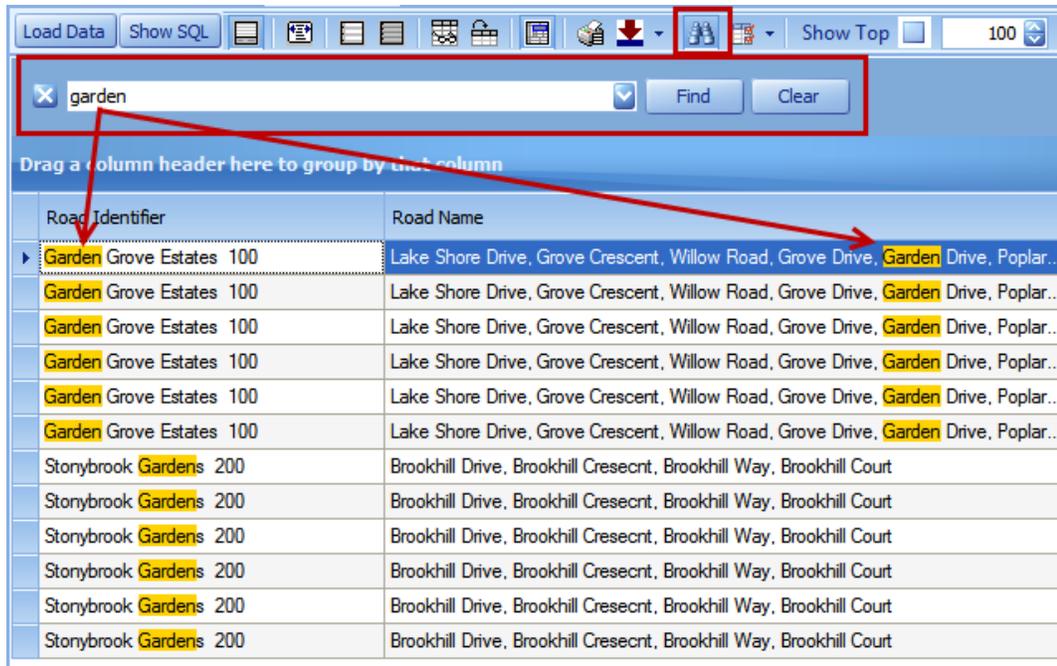


3.2 build 0

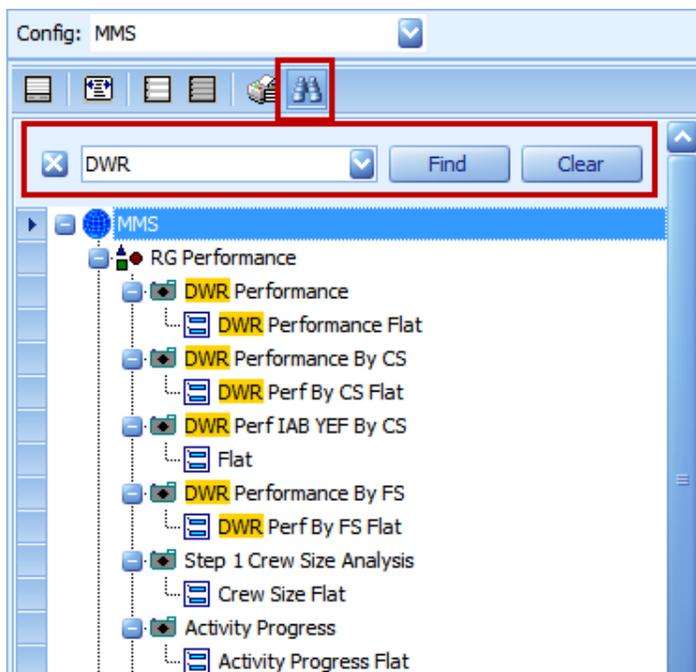
- Upgrade:** The third-party controls (such as the grid, the side bar, form report etc.) have been upgraded to the latest version.

3.1 build 2

1. **New Feature:** Added the “Show/Hide Find Panel” button to the grid toolbars. A Find Panel is an easy and straightforward way for end-users to locate information within the grid control. To execute a search, simply press the “Show/Hide Find Panel” button or press the keys “CTRL+F”, enter text within the Find box and the grid will display those records that have partially matching values in any of the columns in the grid. This is an extremely fast way to find something without knowing what column the data is in.



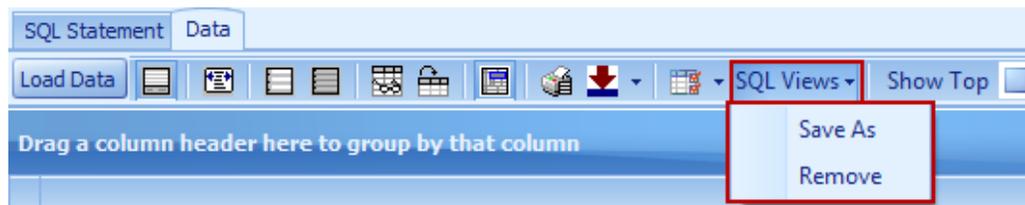
2. **New Feature:** Added the “Show/Hide Find Panel” button to the Navigator toolbar. This is like the Find Panel for the grid except it does not filter the Navigator. Instead it only highlights the text that it finds as shown below.



3. **Enhancement:** On the DataView Details tab, the small image file and the large image file will be stored as image data in the database when the Apply button is pressed. The user can browse the image file from any locations and there no more need to keep the file in sync on all servers.
4. **Upgrade:** The third-party controls (such as the grid, the side bar, form report etc.) have been upgraded to the latest version.
5. **Issue:** The Edit Info data is not included in the export of the DataViews.
Status: This issue is resolved.

3.1 build 1

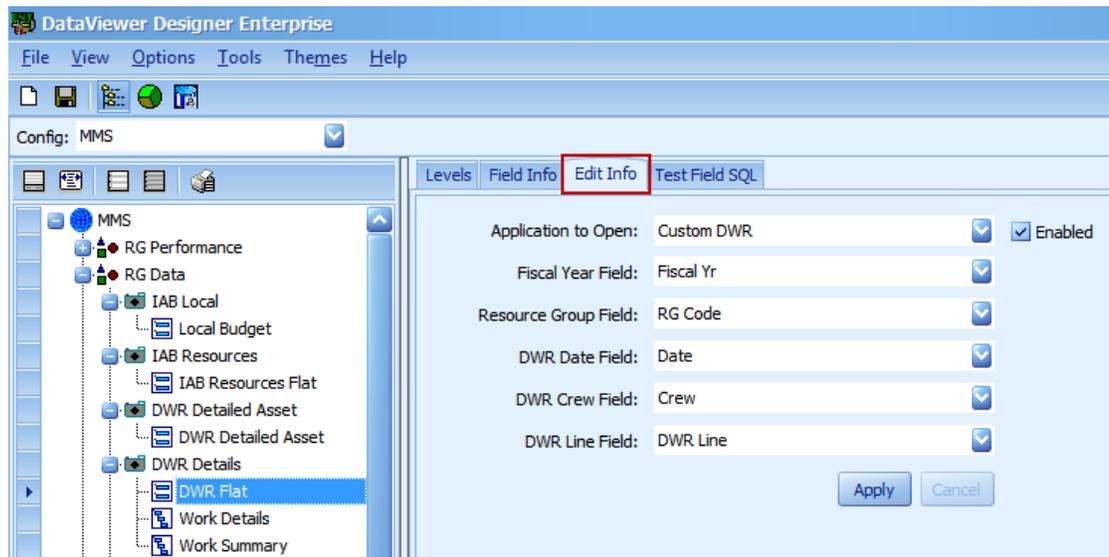
1. **Enhancement:** Improved the parser to handle complex SQL statements.
2. **Enhancement:** Added “SQL Views” popup menu to the Levels – Data grid tool bar for saving the Level SQL Statement as SQL View or removing the SQL View. The purpose of creating SQL Views from tab is to simplify the query without adding the added layer created by the Field Info. SQL Views created from this menu contain only the query in the SQL Statement and nothing from the Field Info tab (including calculations and Bins).



3. **Enhancement:** Added a pick list item “RichEdit” to the Field Info’s Editor column for displaying rich text in the DataView grid.
4. **Upgrade:** The third-party controls (such as the grid, the side bar, form report etc) have been upgraded to the latest version.
5. **Issue:** The Binning Scheme dialog shows blank binning scheme name for existing binning scheme when the DataView name contains a dash.
Status: This issue is resolved.
6. **Issue:** The “Save DataView As” feature doesn’t refresh the navigator and go to the newly saved DataView.
Status: This issue is resolved.
7. **Issue:** An error occurs when trying to open the Form Report Designer for the report with the Report Type as “FormReport”.
Status: This issue is resolved.
8. **Issue:** New Form Report record is not saved when the grid column is sorted.
Status: This issue is resolved.

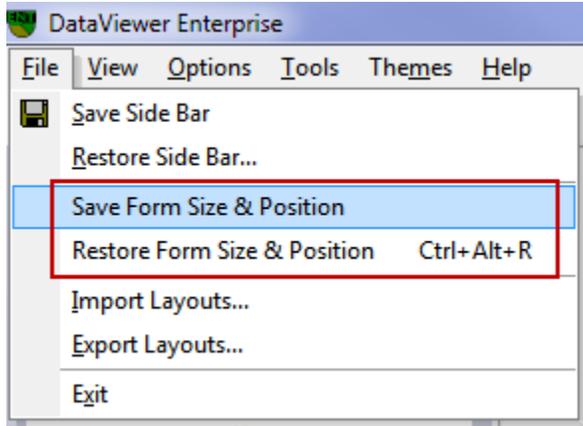
3.1 build 0

1. **Major New Feature:** Added the “Themes” menu item to the menu bar. There are twenty themes that provide stunning modern-looking interfaces. Each theme determines the overall painting scheme for the controls on the screen and specifies how a control's headers, scrollbars, borders, buttons and other visual elements are painted.
2. **Major New Feature:** Added the “Edit Info” tab sheet to the Levels tab control for specifying the application to open for the Edit button on the DataViewer Enterprise application. Currently the supported applications are Custom DWR and Asset Register (AR) Viewer.

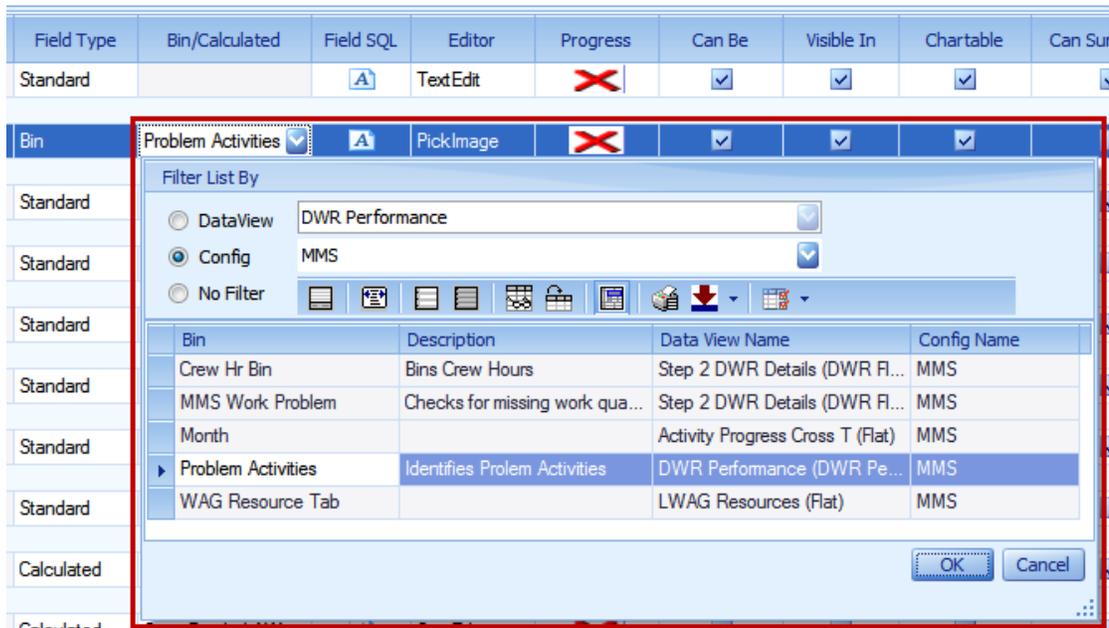


3. **New Feature:** Added the “Use Check Filter” check box column to the “Field Info” grid. If it’s checked, then a column's filter dropdown is displayed as a checked list, otherwise as a regular list.
4. **Enhancement:** The SQL Statement on the Levels tab now supports comments. Text that starts with two dashes "--" will be marked as comments.
5. **Upgrade:** Upgraded the Query Builder component so the look and feel is greatly improved. Dragging Fields up and down in the Query Builder grid has also improved significantly.
6. **Upgrade:** The third-party controls (such as the grid, the side bar, form report etc) have been upgraded to the latest version. As a result, DataViewer Designer is faster at loading and displaying the controls on the forms.

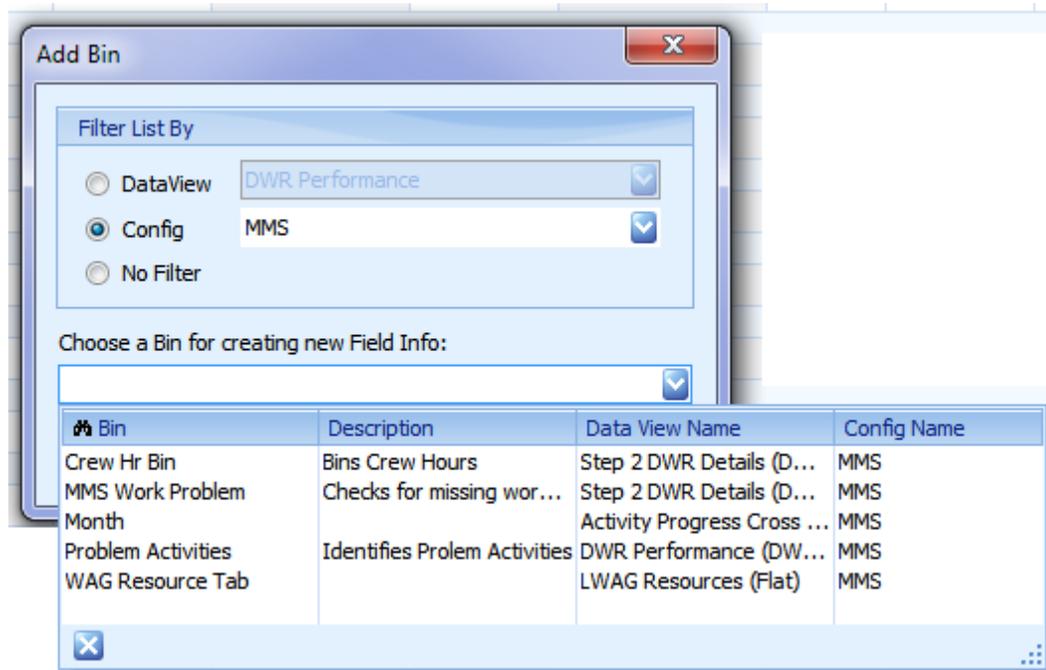
- New Feature:** Added the ability to save and restore the size and position of the application. This is to overcome Issues some users who have two monitors experience in a Citrix environment. To use this feature, simply move DataView Designer to where you want it to always load then click on the “Save Form Size & Position” item under the File menu item as shown below. If you want to clear these settings and go back to the default behavior, click on the “Restore Form Size & Position” menu item or press Ctrl + Alt + R on the keyboard.



- Enhancement:** Greatly enhanced the ability to select a bin that is used in another DataView in the current Configuration or in a different Config. Now the bin selection can be filtered by DataView or by Config so it is much easier to find the right bin to use.



The “Add Bin” dialog has also been enhanced significantly as shown below.



9. **Enhancement:** Additional enhancements have been made internally to the Binning Scheme designer to support more sophisticated DataViews.

3.0 build 3

1. **Issue:** The Binning Scheme screen doesn't generate the SQL statement correctly when the Output Value contains the CASE statement.
Status: This issue is resolved.

3.0 build 2

1. **Issue:** The “Display Format” column on the “Field Info” tab doesn't refresh the text when the display format is changed from the Display Format dialog.
Status: This issue is resolved.

3.0 build1

1. **Enhancement:** The Import DataViews dialog now supports both “.dve” and “.zip” import files. It's required that the “.zip” file must contain a single “.dve” file. This means that you no longer have to extract the export file before importing it.

3.0 build 0

1. **Upgrade:** The DataViewer Designer Enterprise application has been upgraded to support .NET Framework version 4.0. This version of the .NET Framework needs to be installed before the DataViewer Designer Enterprise application can be run.

2.3 build 1

1. **Upgrade:** The third-party controls (such as the grid, the side bar, form report etc) have been upgraded to the latest version.

2.3 build 0

1. **Upgrade:** The third-party controls (such as the grid, the side bar, form report etc) have been upgraded to the latest version.

2.2 build 3

1. **Enhancement:** Added the “Output Data Type” drop down list box to the Binning Scheme screen which allows the user to specify the output data type as “String” or “Numeric”. It will automatically include two single quotes to the Output Value text within the SQL Statement when the output data type is set as “String”.
2. **Issue:** The “Load Data” button on the “Levels\Data” tab and “Test Field SQL” tab is trimming extra spaces on the SQL Statement before loading the data which may cause error on some DataViews.
Status: This issue is resolved.
3. **Issue:** The grid column headers on the “Levels\Data” tab and “Test Field SQL” tab should not contain spaces between the words when the field aliases don’t have the spaces.
Status: This issue is resolved.
4. **Issue:** The navigator doesn’t stay on the currently selected node when the “Apply” button on the “DataView Details” tab or “Levels” tab is pressed and the “Group Expanded” check box on the “Group” tab is not checked for the current group.
Status: This issue is resolved.

2.2 build 2

1. **Issue:** The DataView Designer Enterprise application doesn’t show the login screen when the user runs it from the DataView Enterprise application without the designer access.
Status: This issue is resolved.

2.2 build 1

1. **Issue:** The Import DataViews screen causes an error on initializing Oracle DataAcces when trying to do the import. It should not be initializing the Oracle DataAccess if the DataViews don’t contain any Oracle connections.
Status: This issue is resolved.

2.2 build 0

1. **Major New Feature:** DataView Designer Enterprise now supports loading data from Oracle databases. Note: The Progress Max Value and Progress Tolerance functionalities are not available for Oracle databases.
2. **Upgrade:** The Fast Report controls have been upgraded to the latest version.
3. **Enhancement:** Added the "Visible In Grid" to the Field Order dialog and made it and the Can Be Shown fields editable in this dialog. Also made the Order, Field Name and Alias to light grey so it is obvious to the user that they are read-only.
4. **Enhancement:** Added the "Sort Field List" check box to the Query Builder dialog which allows the user have the field list for each table sorted or in natural order.
5. **Enhancement:** The list boxes on the DataView Selection and Configuration screens have been changed to grids. Each grid has two columns and a filter row on the top for easy searching of text on the grid. These screens also retain the form size and the layout for the grids when they’re closed.
6. **Enhancement:** Added the “Convert Aliases to Mixed Case” check box to the Populate

Field Info screen. When this box is checked, it will automatically convert the words in the aliases to mixed case.

7. **Modification:** Changed the "Show Item" check box in the DataView Details tab to "Active DataView" and set the DataView icon in the Navigator to red for all in-active DataViews. If the "Active DataView" check box is un-checked, then that DataView will not appear in DataView for any user.
8. **Issue:** The Query Builder does not reflect the changes made in the SQL Statement or if the Connection Info is changed. For example: if the user removes a field from the SQL statement or changes a table name in the SQL statement then opens the Query Builder (even before or after saving the changes), the changes will not appear in the Query Builder.
Status: This issue is resolved.

2.1 build 2

1. **Issue:** On Windows XP the labels in DataView Designer have the colon in front of the text instead of behind.
Status: This issue is resolved.
2. **Enhancement:** Added the "Space Aliases" check box to the Populate Field Info screen. When this box is checked, it will automatically add a space between the words in the aliases, otherwise, it will make the aliases the same as the field names.
3. **Modification:** Show the Groups in the Navigator as collapsed for the ones where the Group Expanded is not checked when the user logs into DataView Designer.
4. **Upgrade:** The third-party control - Active Query Builder has been upgraded to the latest version which corrects several minor defects in the Query Builder.

2.1 build 1

1. **Issue:** In the Query Builder when the * check box on a table is checked, the error "Object reference not set to an instance of an object" occurs.
Status: This issue is resolved.
2. **Issue:** Type the letter "c" into the SQL Statement box causes a popup dialog to show up confirming the user to cancel the current record.
Status: This issue is resolved.
3. **Modification:** The Additional Databases check list box items are now sorted alphabetically.

2.1 build 0

1. **Upgrade:** The third-party controls (such as the grid, the side bar, form report etc) have been upgraded to the latest version.
2. **Enhancement:** Added the Master Detail Tree to the Levels tab showing the graphical representation of the master detail relationship. The user can use this tree to visually check if the master detail relationship is set correctly.

3. **Major New Feature:** DataView Designer and DataView now support querying tables from multiple databases. To accommodate this, a checklist box was added to the DataView Details tab which allows the user to select additional databases for use in the Query Builder. This checklist box only shows the databases that are setup in the Connection Info Editor screen. Also, the Server Name, User Name, and Password must be the same as the primary database which is the selected value for the Connection Info pick list on the DataView Details tab.
4. **Enhancement:** Replaced the existing Query Builder with a much more user friendly and advance querying tool. This querying tool also allows the user to link tables or views from multiple databases.
5. **Enhancement:** The SQL Statement on the Levels tab is now supporting syntax highlighting so it is much easier to read.
6. **Issue:** The parser in the Bin Scheme Designer is not working properly on the following calculated field:

Year(GetDate()) - [YEAR_INSTALLED]

The Bin Criteria SQL statement is showing the following if the above calculated field is used:

Year(GetDate()) - [YEAR_INSTALLED[]] > 11

The additional square brackets after YEAR_INSTALLED should not be there.

Status: This issue is resolved.

2.0 build 4

1. **Issue:** The Convert Field Names in the Binning Scheme Designer is showing fields that are not part of the selected bin.
Status: This issue is resolved.
2. **Issue:** An error “[.Net SqlClient Data Provider] Invalid column name 'OldKey_ID'” occurred when editing the Description field for the Configuration and pressing the Apply button.
Status: This issue is resolved.

2.0 build 3

1. **Issue:** The Query Builder would not work properly in Windows Server 2008 in some situations.
Status: This issue is resolved by upgrading the connection components for the Query Builder.
2. **Upgrade:** The Fast Report controls have been upgraded to the latest version.

2.0 build 2

1. **New Feature:** When opening DataView Enterprise from DV Designer, it now shows the Config that is currently open in DV Designer. This makes it easier for Configuration Managers to test the DataViews they created.
2. **Major New Feature:** The Levels tab now supports multiple Detail Levels which allows the Configuration Manager to include multiple details of data in the Master/Detail Grid and the Form Report. This is needed in the Form Reports when you want to display sub-reports of multiple sources of data. A perfect example of this is the DWR data in MMS where you may want to display Detailed Assets, Labour, Equipment, and Materials for each DWR Line. Each of these details would be available in the Form Reports and would appear as separate tabs in the Master/Detail grid.
3. **New Manual:** The user manual for the Form Report (which the vendor calls: "Fast Report.Net User's Manual") is now included in the install. To open this manual, click on the "Form Report User Manual" menu item under Help in DataView Designer. Alternatively you can go to the "DataViewer Designer Enterprise" menu under "iBOS Tools" in the Windows Start menu. Then click on "Form Report User Manual".
4. **Enhancement:** The Display Format column on the Field Info tab now shows the default format "#,##0.00" for the float field so it will be more obvious to the user why the data is being rounded.
5. **Modification:** Changed the Binning Scheme dialog to set the Default Output as empty string when the user does not provide the Default Output value.
6. **Enhancement:** The Connection Info data is now included in the export of the DataViews. When importing the DataViews, DataView Designer will add that connection record automatically if it doesn't already exist. This is so the Configuration Manager doesn't have to add the Connection Info manually when sending DataViews to remote users.
7. **Issue:** An error occurred when the user is trying to save the new form report name containing an apostrophe.
Status: This issue is resolved.
8. **Issue:** An error "[.Net SqlClient Data Provider] Timeout expired. The timeout period elapsed prior to completion of the operation or the server is not responding." occurred when the Config Name was renamed and the Apply button was pressed.
Status: This issue is resolved.
9. **Issue:** An error "[.Net SqlClient Data Provider] Violation of PRIMARY KEY constraint 'PK_tblDVLevelsAgency'. Cannot insert duplicate key in object 'tblDVLevelsAgency'." occurred when the Apply button was pressed on the Levels tab.
Status: This issue is resolved.
10. **Issue:** Renaming the Config Name to be the same as the old name but with different upper or lower-case characters causes the DataView data to be corrupted. If this occurs please rename back to the original Config Name.
Status: This issue is resolved.
11. **Issue:** When the Populate Field Info feature is used after the Field Info grid has been cleared by using the Clear Field Info button, the field orders are not restored to the

original state. Note: this is only intended to work if you do not move off of the level that you are on before pressing the Populate Field Info button.

Status: This issue is resolved.

2.0 build 1

1. **New Feature:** Added the Year(), Month(), and Day() SQL functions to the Date section of the Expression Builder to extract the Year, Month and Day parts of a Date respectively. Kept the DatePart() function for added flexibility.
2. **New Feature:** Added a new function to remove all spaces from a given character expression (similar to the fnvmxRemoveNonDigits function). This function is called fnvmxRemoveSpaces.
3. **New Feature:** Created a new field called “**BinCriteria**” that is formatted as below and uses the Alias field (instead of “IsNull([TotalofBreaks], 0)”) for display purposes only in the DV Bins DataView.

Here is an example of what will be displayed in this field:

Output: 'Future'

When: Original Year of Construction > Year As Of

Output: 'Excellent'

When: Percent Plastic = 100

Output: 'Poor'

When: Metal Length > 20

AND Modified Break Density > 2

Output: 'Good'

When: Percent Metallic = 0

AND Total of Breaks < 4

Output: 'Good'

When: Percent Metallic > 0

AND Total of Breaks = 0

Output: 'Good'

When: Percent Metallic > 0

AND Metal Break Count = 0

AND Modified Break Density = 0

Otherwise output: 'Fair'

4. **New Feature:** The last SQL View name that is entered when saving a SQL View in the table as the Level is now stored each time and used as the default the next time a SQL view is saved. The user can change it if they want. When exporting to a SQL View the first time, the name of the DataView without any spaces is used as the default.
5. **Enhancement:** Modified the Delete button for DataViews to display a multi-select check list (like the Delete Field Info) so the user can delete multiple DataViews at once even if they have Level(s). All Levels for the selected DataViews will be deleted as well.

6. **New Feature:** Added a button on the Field Info to the right of the Populate Field Info button called Add Bin that displays a popup dialog with a pick list of bins to choose from. Once selected a bin field is inserted into the Field Info. The Alias is set to the name of the Bin selected and the Field Name the same but enclosed in [].
7. **New Feature:** Added a button on the Field Info to the right of the Populate Field Info button called Copy Field Info button that displays a dialog with a pick list of DataViews and Levels (two columns) to copy the Field Info from. Then the same checklist that is used in the Populate Field Info button is displayed so the user can select what fields to copy. Fields that are selected that already exist are overwritten.
8. **Enhancement:** Increased the default height of the Order By dialog boxes so that less scrolling is needed.
9. **Enhancement:** The case statements in Bins are formatted as follows so that they are easier to read in the DV Bins DataView:

```

CASE
WHEN [OriginalYearOfConstruction] > [YearAsOf]
  THEN 'Future'
WHEN ROUND([PercentPlastic], 2) = 100
  THEN 'Excellent'
WHEN ROUND([MetalLength], 2) > 20
  AND ROUND(IsNull([ModifiedBreakDensity],0), 2) > 2
  THEN 'Poor'
WHEN ROUND([PercentMetallic], 2) = 0
  AND IsNull([TotalofBreaks], 0) < 4
  THEN 'Good'
WHEN ROUND([PercentMetallic], 2) > 0
  AND IsNull([TotalofBreaks], 0) = 0
  THEN 'Good'
WHEN ROUND([PercentMetallic], 2) > 0
  AND [MetalBreakCount] = 0
  AND ROUND(IsNull([ModifiedBreakDensity],0), 2) = 0
  THEN 'Good'
ELSE 'Fair' END

```

10. **Issue:** The Primary Key Field Name and Link Key Field Name pick lists on the Levels tab store incorrect values when the pick list items are selected.
Status: This issue is resolved.
11. **Issue:** Save DataView As does not include Detail grid settings.
Status: This issue is resolved.
12. **Issue:** If there is something invalid in the bin the Test Field SQL will not display anything. An error should be displayed
Status: This issue is resolved.
13. **Issue:** If the Field SQL is invalid and the Expression Builder is displayed, the list of fields will be empty because it cannot load the query. It should load the list of fields with valid Field SQL.
Status: This issue is resolved.

14. **Issue:** Calculated fields are not displayed in the Binning Scheme designer.

Status: This issue is resolved.

2.0 build 0

1. **Enhancement:** Replaced the old reporting tool with the new one called “Fast Report”. This new reporting tool supports sub-reports and it loads the report much faster than the old one.

v1.8 build 9

1. **Issue:** The Binning Scheme screen in DV Designer causes the error “Cannot insert the value NULL into column ‘BinningSchemeDetails_GUID’” when the user copies the line and tries to save the record.
Status: This issue is resolved.
2. **Issue:** When a DataView is renamed in DV Designer, the Source DataView in Binning Scheme is not changed.
Status: This issue is resolved.
3. **Issue:** In DV Designer, it is too slow to change the Data Type column value in the Field Info grid.
Status: This issue is resolved.

v1.8 build 8

1. **Modification:** Added validation to the Import DataViews dialog to let the user know when the Group is changed and if the user wants to import this Data View into a different Group within the same Configuration, to also change the Data View Name.
2. **New Feature:** Added the “Auto Populate” button to the Field Info tab to automatically populate all unique values into the Images grid so the user only has to set the image column.

v1.8 build 7

1. **Issue:** The Progress Meter dialog does not put the main screen in edit mode when the OK button is pressed which may cause the changes to not be saved.
Status: This issue is resolved.
2. **Modification:** Added the Date Created field to all the tabs for showing the date when the record was created.

v1.8 build 6

1. **New Feature:** Added some meaningful display formats to the Display Format screen for all applicable data types (Date, Time, Float, Integer, etc).
2. **New Feature:** Added a function to the Populate Field Info screen to split the mixed case words for the Alias column to make the column names for the grid more user-friendly.
3. **New Feature:** In the Populate Field Info screen, added a check box called “Auto Hide ID Fields”. If it’s checked, all the fields that end in “_ID” will be positioned at the end of the list and the Visible In Grid, Chartable, and Can Summarize columns are marked as uncheck.

4. **New Feature:** In the Binning Scheme screen, added the Source Field column to the Discrete grid. The grid cell for this field is only editable for the selected Operator value other than "(Custom)".
5. **New Feature:** In the Binning Scheme screen, added an ellipsis button to the Output Value column on the Discrete grid. This button opens the Expression Builder screen for building the output value expression. This is a very powerful feature that enables users to create bins that compare fields to other fields or mathematical expressions.
6. **New Feature:** Added an ellipsis button to the Field SQL column on the Field Info grid. This button opens the Expression Builder screen for building the field SQL expression so it is easier for users to do SQL math such as adding two fields together as well as other SQL expressions without knowing SQL syntax.
7. **New Feature:** Added the Owner column to the Field Info grid so if a user wants to modify a VEMAX DataView and keep the modifications when they import updated DataViews from VEMAX they can set the Owner to Agency.
8. **Issue:** The Form Report is not saved properly when it's loaded from the Form Report file in the Form Report Designer.
Status: This issue is resolved.

v1.8 build 5

1. **Modification:** Changed the Import/Export DataViews utility to support new table structures.

v1.8 build 4

1. **New Feature:** Added a new menu item: "Tools\Configuration Selection" to open the Configuration Selection screen. This menu item is only enabled when the user security setting "User Can Select Configuration" is not set to "No". The Configuration Selection is for granting the DV Designer User rights to edit the selected configurations. When the security setting "User Can Edit All Configurations" is set to "Yes" the user can edit all the configurations regardless of the selected configurations from the Configuration Selection screen.
2. **Issue:** The Binning Advanced Filter field pick list excludes ID fields if they are set to show in the field list grid.
Status: This issue is resolved.
3. **Enhancement:** Binning: The dialog that displays when you click the ellipsis button in the Source Values column used to be captioned Advanced Filter. The caption is now formatted as: "Bin Criteria for: x" where x is the Output Bin Value for the line where the dialog is called from.
4. **Enhancement:** When you close the Set Order dialog for Groups and DataViews the Navigator is now refreshed.

v1.8 build 3

1. **New Feature:** The Import/Export DataViews feature now imports and exports the Pivot Grid with the agency layouts. (Pivot Grids are setup in DataViewer Enterprise.)

v1.8 build 2

1. **Enhancement:** Improved the flexibility of the import so it is more robust between versions.
2. **Enhancement:** Added the following text boxes to the Binning Scheme screen:

Source Config Name
Source Data View
Current Data View

The Source DataView and Current DataView text boxes will have a yellow background if both values are not the same. This warns the user that the Current DataView may not be compatible with the Source DataView.

3. **Enhancement:** The Save As feature for an existing Bin now allows the user to select a different DataView for the Bin. This allows the user to effectively copy the Bin for use with a different DataView.
4. **Enhancement:** Added a Convert Field Names dialog to the Binning Scheme dialog to convert the field names to match up with the current DataView. This is for use with the Save As feature described in the enhancement above. This dialog only applies to Discrete binning type.
5. **Enhancement:** Added the Set Order button to the Group tab for setting the order of the Groups.
6. **Enhancement:** Added the Set Order button to the DataView Details tab for setting the order of the DataViews.
7. **Enhancement:** The Set Order dialog now supports drag and drop for setting the order easily.

v1.8 build 1

1. **Issue:** The Import DataViews feature does not import the Conditional Formatting data.
Status: This issue is resolved.
2. **Issue:** An error "*Object reference not set to an instance of an object*" occurs when setting up the Progress Max Value or Progress Tolerance field.
Status: This issue is resolved.

v1.8 build 0

1. **Upgrade:** The third-party controls (such as the grids, the navigator, form report, edit controls, etc.) have been upgraded to the latest version.
2. **Enhancement:** Improved performance and usability for Form Report Designer and Form Report Preview.

v1.7 build 3

1. **New Feature:** Added new Editor “Open File” which combines the text display with an ellipsis button. In DV Enterprise when the button is pressed, the program uses the Windows association to open the file.

v1.7 build 2

1. **Enhancement:** Improved performance on loading DataViewer Designer.
2. **Issue:** An error “*Violation of PRIMARY KEY constraint PK_tblDVFieldImage*” occurs when an image record is added in the Field Info tab for the field with PickImage editor type.
Status: This issue is resolved
3. **Issue:** An error “[mscorlib: *GetvmxFieldsFromFieldInfo()*] *Item has already been added. Key in dictionary: ..*” occurs when loading the field information.
Status: This issue is resolved.
4. **Issue:** The Import DataViews feature does not import the Form Report data.
Status: This issue is resolved.

v1.7 build 1

1. **Issue:** The SQL statement generated by the “Show SQL” button does not include proper field alias.
Status: This issue is resolved.

v1.7 build 0

1. **Upgrade:** The third-party controls (such as the grids, the navigator, form report, edit controls, etc) have been upgraded to the latest version.

v1.6 build 1

1. **Issue:** The Query Builder button causes the error message saying, “The database does not exist” when the button is pressed and the SQL Server Name for the database connection is the IP address or different from the DataViewer Enterprise’s SQL Server Name.
Status: This issue is resolved.

v1.6 build 0

1. **Upgrade:** DataViewer Designer Enterprise has been upgraded to support version 2 of the Microsoft .NET Framework.
The [iBOSToolsPrerequisites_2_0.exe](#) install is needed for this version of DataViewer Designer Enterprise.
2. **Upgrade:** The third-party controls (such as the grids, the navigator, form report, edit controls, etc) have been upgraded to the latest version.
3. **Modification:** Grid and Form Layout settings are now stored by User ID instead of Computer/Windows User ID combination. i.e. the settings are only specific to the user, not the computer that the user is running the software from.
4. **Issue:** The Export DataViews feature should not include the user settings data to the export file.
Status: This issue is resolved.

5. **Issue:** The Load Data button on the Test Field SQL tab causes “Index was out of range” error when the button is press and the SQL statement contains an invalid column name.
Status: This issue is resolved.

v1.5 build 12

1. **Issue:** Every time the Level node is clicked, the DataViewer Designer will update the Binning Scheme data. It should only update the data once.
Status: This issue is resolved.
2. **Issue:** When the Level node is clicked, and there are many Binning Scheme fields the DataViewer Designer title bar will flash many times.
Status: This issue is resolved.
3. **Issue:** The DataViewer Designer cannot be closed if an un-handled exception occurs when the user tries to close it. The user has to terminate the application using Windows Task Manager.
Status: This issue is resolved.
4. **Issue:** Occasionally a column foreign key constraint error occurs when the user tries to create and save a new level for a DataView.
Status: This issue is resolved.

v1.5 build 11

1. **Issue:** An error “*Object reference not set to an instance of an object*” occurs in the Export dialog when exporting the SQL views.
Status: This issue is resolved.
2. **Issue:** An error “*Type of value has mismatch with column type. Couldn’t store <System.Drawing.Image> in Open column. Expected type is byte[]*” occurs when running DV Designer in Windows Vista.
Status: This issue is resolved.

v1.5 build 10

1. **Modification:** The enhancement in item 3 in the previous version listed below has been modified so the folder validation is not case-sensitive.

v1.5 build 9

1. **Modification:** In the Field Info tab, removed the data type “Binary” from the “Data Type” dropdown list. Removed editors that are not supported (i.e. “Color Edit”) from the “Editor” dropdown list.
2. **Modification:** Validation has been added to ensure that “Max Records in Grid” and “Max Records in Chart” cannot be less than zero.
3. **Enhancement:** When the user clicks the ellipsis button to set an image file for the “Small Image File Name” or “Large Image File Name” fields on the “DataViewer Details” tab, a dialog opens to let the user select an image file. The default and only available folder for sidebar items is set in the “GlobalInfo.dat” file and this is the folder the dialog will default to. If the user tries to select a file from a different folder, a message will now display informing the user they cannot select that file and the dialog will be re-opened using the correct folder.
The same enhancement has been added to the Images on the “Field Info” tab. The default folder for Pick-list images is also set in the “GlobalInfo.dat” file.

4. **Enhancement:** The Config pick-list is now wider to allow for longer Config names.
5. **Enhancement:** The size of the dialogs for “Delete Field Info” and “Populate Field Info” are now larger.
6. **Enhancement:** On the Field Info tab, if a field’s data type is Date Time and the selected editor is “Progress Max Value”, the dialog for setting up the Progress Max Value only allows the % option in the Output panel (the Value option is disabled as it does not apply).
7. **Enhancement:** On the Field Info tab, validation has been added to inform users if they have selected the Progress Tolerance editor on a field that is Date Time. This combination is not supported and will cause errors in DataViewer Enterprise.
8. **Issue:** If the user chooses a Connection Info that is not valid, when the user clicks “Query Builder” on the Level tab to create a query an error message displays informing the user that the database does not exist and asks if the user wants to Cancel the operation, if the user answers “Yes” then DataViewer Designer closes.
Status: This issue is resolved.
9. **Enhancement:** On the DataView Details tab, validation has been added to inform users if they have selected a Connection Info that is not valid.
10. **New Feature:** On the Level tab and the Test Field SQL tab, the count of records loaded after the Load Data button is clicked is now shown in the footer of the grid.

v1.5 build 8

1. **Enhancement:** Improved the validation when saving files and settings to folders if the user does not have proper permissions to read or write to those folders.
2. **Enhancement:** Improved the validation when there are no Field Info records populated and the user clicks the Load Data button in the Test Field SQL tab.
3. **Issue:** On the Field Info tab, when the user clicks the “Save As” menu item in the “SQL View” menu, a dialog opens to ask the user to enter a SQL View name. If the name already exists in the database DataViewer Designer will display a message asking if the user wants to overwrite the existing SQL View. If the user answers ‘No” then Designer opens a dialog again to let the user enter another name. At this time if the user clicks the “Cancel” button an error would occur.
Status: This issue is resolved.
4. **Enhancement:** Improved the validation when two or more tables are joined in the SQL Statement and there are multiple fields selected with the same name. In this situation, DataViewer Designer will add an alias for each field using table name plus “_” and field name.
5. **New Feature:** When populating the Field Info records (using the Populate Field Info button), if the field name contains an underscore “_” and does not end with “_ID” then each underscore will be replaced with a space in the Alias column.
6. **Enhancement:** When DataViewer Designer shows the Field Info SQL statement to the user, it adds information about the Level in a comment part before the SQL statement

and a blank line after the SQL statement.

7. **Issue:** If there is "TOP *** PERCENT " clause in the Level SQL, SQL Server 2005 will ignore the "Order By" clause in that query.
Status: This issue is resolved.

v1.5 build 7

1. **New Feature:** When you select the "Save DataView As" menu item from the "File" menu, DataViewer Designer will switch to the newly created DataView in the navigator.
2. **New Feature:** When you select the "Save DataView As" menu item from the "File" menu, DataViewer Designer will check the "Show in DataViewer for me" checkbox in the newly created DataView if it is checked in the original.
3. **Issue:** In Form Reports, if the "Save As" button is clicked to save the current Form Report with a new name, and the new name already exists, DataViewer Designer will ask if the user wants to overwrite the old Form Report. If the user answers yes, it should replace the existing Form Report but DataViewer Designer may not overwrite it correctly.
Status: This issue is resolved.
4. **Issue:** In various DataViewer Designer screens the shortcut "ctrl + C" does not work.
Status: This issue is resolved.
5. **New Feature:** When DataViewer Designer is in edit mode (some controls are greyed out), some menu items are disabled (to match the corresponding buttons).
6. **Modification:** In Form Reports, when the Form Report Designer is closed DataViewer Designer will write the Form Report as a temporary file to the local hard drive. It used to use the last directory accessed by DataViewer Designer. It now uses the setting "User Temp Path" for "DVDesigner" in the "GlobalInfo" file as its default path.
7. **Issue:** After opening DataViewer Designer, if setting files saved to the local hard drive are deleted and then DataViewer Designer is closed, an error may occur.
Status: This issue is resolved.
8. **Issue:** In the Import screen, sometimes the checked status of the control "Agency Layout" may not match the column "Agency Layout" in the grid. The same Issue occurs with the checkboxes "Data Views" and "Agency Field Values".
Status: This issue is resolved.
9. **Enhancement:** Improved the message displayed when the Load Data button is clicked if SQL Statement on the Level tab is invalid.
10. **Modification:** On the Field Info tab, if there are no records in the grid, DataViewer Designer will disable the "Set Field Order" button and the menu items "Save As" and "Auto Create SQL Server View" in menu the "SQL View".

v1.5 build 6

1. **Issue:** On the Levels tab, if an SQL Statement has “Distinct” and “Order by” clauses like:

```
SELECT DISTINCT *  
FROM <TableName>  
WHERE ...  
ORDER BY ...
```

when the user clicks the Apply button to save this Level SQL or clicks Load Data button to test it, an error may occur.
Status: This issue is resolved.
2. **Issue:** On the Field Info tab, when the user clicks the “Save As” menu item in the “SQL View” menu, a dialog opens to ask the user to enter a SQL View name. If the name already exists in the database DataViewer Designer will display a message asking if the user wants to overwrite the existing SQL View. If the user answers ‘No’ then Designer opens a dialog again to let the user enter another name. Currently, if the user clicks the “Cancel” button an error would occur.
Status: This issue is resolved.

v1.5 build 5

1. **New Feature:** On the DataView Details tab, added a check box “Show in DataView for me”. When the designer changes the check / uncheck status, the DataView will be selected or un-selected in DataView Enterprise for this user. This feature is useful so that the DataView Configuration Manager does not need to add new DataViews to the list for themselves.
2. **New Feature:** Added Tools menu in the bar menu. The new Tools menu has a DataView Selection menu item so the DataView Configuration Manager can select DataViews for different users the same way as the DataView Enterprise.
3. **New Feature:** In the File menu, added “Save DataView As” menu item to save the current DataView as another DataView as a way of copying DataViews. The new DataView can be the same name in different configuration or a different name in the same configuration.
4. **Modification:** In the Import DataViews screen, if DataView cannot find the default Import file path, it uses the default Export file path as its default file path.
5. **Modification:** On the Levels tab, changed “Filter by Computer Name” to “Filter by Windows User Name”.
6. **Issue:** In the Import DataViews screen, if the user clicks the Close button to close the screen, sometimes an error may occur.
Status: This issue is resolved.
7. **Modification:** Made minor cosmetic changes.

v1.5 build 4

1. **Issue:** On the Levels tab, if the SQL Statement is formatted with multiple lines like:

```
SELECT *  
FROM <TableName>  
WHERE ...
```

when the user clicks the Apply button to save this Level SQL, DataView Designer changes its original format and puts the entire SQL Statement into a single line like:

```
SELECT * FROM <TableName> WHERE ...
```

Status: This issue is resolved.

2. **Issue:** On the Levels tab, text that contains single quotes was being replaced with multiple sets of single quotes.

Status: This issue is resolved.

v1.5 build 3

1. **Issue:** On the Levels tab, sometimes the SQL Statement may be parsed incorrectly. This may cause an Issue when displaying the query in Query Builder.

Status: This issue is resolved.

2. **Issue:** On the Levels tab, if the Level SQL has any fields with more than two spaces between words in the field name and the user clicks the Apply button, DataViewer Designer will remove the extra spaces (leaving only one space between words). This will result in an invalid field name, which will cause an error.

Status: This issue is resolved.

3. **Modification:** Changed the DataViewer Designer Enterprise application icon.
4. **Modification:** For the Form Report preview screen, removed the "Print direct" item from the File menu and the "Print direct" button from the Tool bar.
5. **Modification:** When the user prints messages displayed by DataViewer Designer, the Application name is now DataViewer Designer Enterprise.
6. **New Feature:** On the Help menu, added "Select Statement Basics" item. This menu item opens the Select Statement Basics user manual.
7. **Modification:** For the grid, removed the Print Direct button from the grid print preview screen.
8. **Modification:** Made minor cosmetic changes.

v1.5 build 2

1. **Issue:** On the Levels tab, when the user clicks the Apply button DataViewer Designer will process the Level SQL. Query Builder may not show the new Level SQL properly after this.

Status: This issue is resolved.

2. **Issue:** On the Field Info tab, if the Level SQL uses Functions for some fields in the Select clause, DataViewer Designer may not populate those fields properly.

Status: This issue is resolved

3. **Issue:** On the Field Info tab, when the user clicks the “Clear Field Info” button to clear all records an error may occur.
Status: This issue is resolved.
4. **Modification:** Made minor cosmetic changes.

v1.5 build 1

1. **Issue:** On the Levels tab, sometimes if the Level SQL statement cannot run properly, when the user clicks the Apply button to save it, an error message will display and the SQL statement change to blank.
Status: This issue is resolved.
2. **Issue:** On the Test Field SQL tab when the user clicks the Load Data button, if the SQL statement has invalid columns when the DataViewer Designer software tries to remove the invalid columns an error would occur.
Status: This issue is resolved.
3. **New Feature:** On the Field Info tab, when the user clears all the Field Info records and then populates the FieldInfo records immediately, the new populated records will keep some old setting values (such as “Alias”, “Field Order”, “Can Be shown” etc.)
4. **New Feature:** On the Level tab, the maximum length of Level SQL statement is no longer limited to 8000 characters.
5. **Modification:** Made minor cosmetic changes.
6. **New Feature:** The Release Notes menu will now show the PDF version of the release notes file if Adobe Reader is installed. If Adobe Reader is not installed, the release notes will be displayed as they have in previous versions.

v1.5 build 0

1. **New Feature:** Updated DevExpress controls to the latest version.
2. **Modification:** Made minor cosmetic changes.

v1.4 build 9

1. **New Feature:** DataViewer Designer Enterprise will update the Field Info table records to remove table name from “Field Name” column and “Field SQL” column.
2. **Modification:** DataViewer Designer Enterprise no longer uses the “DVEnterprise DB Name” setting in the “Vemax.GlobalInfo.dat” file.
3. **Modification:** On the Levels tab, the default value for “Max Records for Grid” is set to 0 that means there is no maximum limit.
4. **New Feature:** On the Levels tab, if the SQL statement for this level is blank, DataViewer Designer Enterprise doesn’t validate it.

5. **New Feature:** On the Levels tab, after the “Query Builder” dialog is closed DataViewer Designer Enterprise will check if the returned SQL statement has repeated fields. If there are repeated fields, DataViewer Designer Enterprise will automatically add an alias for each field. The alias is formed by table name plus ‘_’ plus field name.

The “Apply” button does the same check.

6. **Issue:** Sometimes when a Level is deleted an error message says that the SQL Server View is not dropped properly.
Status: This issue is resolved.
7. **Modification:** Made minor cosmetic changes.

v1.4 build 8

1. **New Feature:** The program will now automatically remember the Configuration that the user was last was in upon logging out of the system. This feature was added so each user no longer has to change the Configuration each time they log in if the default Configuration is not the one they want. No additional setting is required for this feature.
2. **New Feature:** On the “Test Field SQL” tab, added “Show SQL” button so the Configuration Manager can see the SQL statement that is automatically created from Field Info. This is the actual SQL statement that DataViewer Enterprise uses.
3. **Modification:** On the “Test Field SQL” tab, the grid is now displayed more like the grid in DataViewer Enterprise.
4. **New Feature:** On the “Levels” tab, the SQL statement now supports “GROUP BY”, “ORDER BY” and other clauses so that DataViewer Enterprise supports much more powerful queries.
Note if the ORDER BY clause is added then the clause “Top 100 Percent” must be added after the word: “Select”.
For example:
Select Top 100 Percent *
From tblCrew
Order By Code
5. **Issue:** On the “Test Field SQL” tab, when the “Load Data” button is clicked the program uses the Field SQL statement to load the data. If the Field SQL statement is not correct the program will display an error message. When you try to close the error message it does not close properly and the grid is disabled.
Status: This issue is resolved.
6. **Modification:** Made minor cosmetic changes.

v1.4 build 7

1. **New Feature:** On the Export DataViews and Import DataViews screens, a check box “SQL Views” has been added. This allows the Configuration Manager to decide if he or she wants to export or import any SQL Views that were created by DataViewer Designer. When exporting the DataViews, the Configuration Manager can set the order the SQL Views will be exported in. The order is very important if some SQL Views reference other SQL Views. The referenced SQL View must come before the SQL View that is using it.

2. **Issue:** On the Field Info tab, if the menu item “Auto Create SQL Server View” is checked, the SQL Server Views will not be created properly. This issue seems to have started in version: 1.4 Built 5 of DataViewer Designer.
Status: This issue is resolved.
3. **Issue:** On the Field Info tab, changes to “Bin/Calculate” column were not being saved properly.
Status: This issue is resolved.
4. **Modification:** Improved the Import process of SQL Server Views.

v1.4 build 6

1. **Issue:** On the Form Report tab, after creating a new Form Report if the user clicks the “Save as” button to save it as a different name and then when the user clicks Designer to open the Form Report, an error may occur.
Status: This issue is resolved.
2. **Issue:** Occasionally, on the Form Report tab, when the user opens the Report Designer to make some changes and closes the designer, when he or she opens the designer and changes the Form Report again, an error may occur.
Status: This issue is resolved.
3. **Issue:** If a DataView has Form Reports created for it and the user changes the DataView name, the DataView may lose its Form reports.
Status: This issue is resolved.
4. **Issue:** Form Report: if a renames the first Form Report without opening or previewing the Form Report, the report may be lost.
Status: This issue is resolved.
5. **Modification:** Made minor cosmetic changes.

v1.4 build 5

1. **Issue:** Field Info tab: if a user clicks the Copy Images button and then clicks the Cancel button, an error may occur.
Status: This issue is resolved.
2. **Issue:** Field Info tab: the Binning button is all the way to the right hand side of the icon bar.
Status: This issue is resolved.
3. **Issue:** Field Info tab: if a user manually adds some Field Info records, and then opens the Delete Fields dialog to delete records including the newly added records an error may occur.
Status: This issue is resolved
4. **Issue:** Field Info tab: if a user manually adds Field Info records and then clicks the Populate Field Info button an error may occur.
Status: This issue is resolved
5. **New Feature:** On the Field Info tab, added SQL Views menu to let the user Save SQL views created by the FieldInfo fields.

6. **Modification:** Made minor cosmetic changes.

v1.4 build 4

1. **New Feature:** Add a Populate Fields dialog form. When the user clicks the “Populate Field Info” button, the new form is opened and lists all populated field records and new fields to populate. This gives the user the option to select fields he or she wants to populate without overwriting existing fields or adding duplicate fields.
2. **New Feature:** Add a Delete Fields dialog form. When the user clicks the “Delete Field Info” button, the Delete Fields dialog form is opened and lists all populated field records. This gives the user options to select fields he wants to delete.
3. **Issue:** Field Info tab: when the user uses the New Field Info button to create a new field record, and the user enters the field name enclosed with “[”, “]”, the program adds another set of square brackets and the Field Order value is not set for the new field.
Status: This issue is resolved.
4. **Modification:** Made minor cosmetic changes.

v1.4 build 3

1. **Issue:** Form Report: if a DataView has no levels with the checkbox Available for Form Report checked, and they click the New button to create a new Form Report, a message will display telling them no levels have this checkbox checked. But when they then try to navigate between the level and DataView notes an error occurs.
Status: This issue is resolved.
2. **Modification:** Made minor cosmetic changes.

v1.4 build 2

1. **Modification:** On Form Report preview screen, removed direct print button to avoid printing all pages by mistake.
2. **New Feature:** On Form Report preview screen, when user wants to print Form report, set printer name is set to local default printer.
3. **Modification:** On Form Report tab, added “Default” column to Form Report grid. User can choose one Form Report as the default report.
4. **Modification:** On Form Report tab, if there is no Form Report available, only the New button is enabled.
5. **Modification:** when creating a new Form Report, a dialog screen will be displayed to ask the user to input a new Form Report name. If the name already exists then the program will ask the user if he or she wants to enter a different name. If the user clicks the No button, the program will return to the main screen.
6. **Modification:** Made minor cosmetic changes.

v1.4 build 1

1. **Issue:** On Form Report tab, if there is no Form Report record in the grid, when the user clicks any button like “Save As”, “Designer”, “Preview” or “Delete”, an error would occur.

Status: This issue is resolved.

2. **Issue:** On Field Info tab, when the user creates a new Bin. The grid doesn't display the "Output Bin Value" column.

Status: This issue is resolved.

3. **Modification:** Made minor cosmetic changes.

v1.4 build 0

1. **New Feature:** Added Form Report functionality so form-style reports can be created in DataViewer Designer Enterprise and displayed and printed in DataViewer Enterprise.

2. **Issue:** When the user clicks F5 button to refresh the screen, an error would occur.

Status: This issue is resolved.

3. **New Feature:** Updated DevExpress controls to the latest version.

4. **Modification:** Made minor cosmetic changes.

v1.3 build 15

1. **Issue:** In the Field Info tab, sometimes the Populate Field Info button duplicated some fields record.

Status: This issue is resolved.

2. **Modification:** Made minor cosmetic changes.

v1.3 build 14

1. **Modification:** Updated to the latest DevExpress controls to fix some defects in the grid and improve performance.

2. **Issue:** When a user changes a Config Name, Group Name or DataView Name in Designer, the related Field Values information is changed however this caused an error when opening the Field Values screen.

Status: This issue is resolved.

3. **Issue:** When a user changes a Group Name and clicks the Apply button. The new Group name isn't shown in the tree control. If the user moves the focus away from the current group node and goes back to the same group again, an error would occur.

Status: This issue is resolved.

4. **Issue:** The Populate Field Info button still re-adds all the fields if the Alias has been changed.

Status: This issue is resolved.

5. **Issue:** On Field Info screen, when the user clicks the New Field Info button, an invalid data message is displayed and an error icon shows in the Alias column.

Status: This issue is resolved.

6. **Modification:** Modified the screen size to fit 800x600 screen resolution.

7. **Modification:** Made minor cosmetic changes.

v1.3 build 13

1. **Issue:** When creating a new level, the default setting for “Max Records in Grid” and “Max Records in Chart” are reversed.
Status: This issue is resolved.
2. **Modification:** Made minor cosmetic changes.

v1.3 build 12

1. **Modification:** Changed the screen size of Export and Import to fit 800 x 600 screen resolution. Enabled the screen maximize button and resizable button.
2. **Modification:** Made minor cosmetic changes.

v1.3 build 11

1. **New Feature:** Export/Import dialog screen: added “Select/Unselect All” Group box control. Moved Select, Max Records Check boxes and added two new check boxes into the control: Agency and Field Values. Added two Agency and Field Values columns in the Export grid. If the Agency check box is checked in the column then all the Agency-specific Layouts, Advanced Filters, Data Summaries, etc in DataViewer Enterprise will be included in the Export/Import for those DataViews. Likewise, with the Field Values.
2. **New Feature:** Export/Import dialog screen: made the operations in Check boxes and Columns more logical and smart. For example, if user un-checks the Select Check box in the group control, the program will un-check Select, Agency, Field Values, and Max Records columns for all rows in the grid.
3. **New Feature:** DataView Details screen: added Owner options.
4. **Modification:** Made minor cosmetic changes.

v1.3 build 10

1. **New Feature:** Added “Max Records in Grid” and “Max Records in Chart” input boxes on Level tab screen. Users can set max records limited for pacific level.
2. **Modification:** Changed “Import DataViews” and “Export DataViews” functions to let the users decide if they want to export/import the “Max Records” settings for each DataView.
3. **Modification:** Made minor cosmetic changes.
4. **Modification:** Changed Display Format dialog to make it easier to use and powerful.

v1.3 build 9

1. **Issue:** Intermittent errors would occur when populating the Field Info.
Status: This issue is resolved.
2. **Modification:** Increased the size of the “Field Order” screen to show all three columns.

3. **Issue:** When importing data views, if one data view failed to import, the program stops importing the rest of the data views and doesn't show any error messages. It should keep importing the rest of the data views and show error message listing which data view(s) failed to import.
Status: This issue is resolved.
4. **Modification:** Removed the up/down buttons from all Spin Edit controls.

v1.3 build 8

1. **Issue:** When the user clicks F5 to refresh the current screen. The program always goes back to the default configuration.
Status: This issue is resolved.
2. **Modification:** On the FieldInfo tab, removed the table owner as the prefix in the alias field when the user populates Field Info if the field has owner name.

v1.3 build 7

1. **New Feature:** Added a "Manual" menu item in Help menu on the main screen. User can view designer manual by clicking on this item (currently as a PDF file).
2. **New Feature:** When a user clicks the "New Config" button, the program sets the cursor focus on the first input field.
The same as "New Group", "New DataView", "New Level" buttons.

v1.3 build 6

1. **New Feature:** Added a "Change Password" menu item in Option menu on the main screen. User can change password by clicking on this item.
2. **Issue:** Sometimes the application cannot be closed properly if an error occurs.
Status: This issue is resolved
3. **New Feature:** When DataView Designer is run, it checks the database version to make sure the correct version of the DataView Update DB utility has been run on that database.

v1.3 build 5

1. **Modification:** On the Field Info screen, when populating the Field Info table, only the field that appears more than one time in the Level SQL statement will have its table name as prefix for alias.
2. **New Feature:** Added the "Set Field Order" button on the Field Info screen to enable the user to easily set the field order by moving up/down record buttons.
3. **Issue:** In the Field Info screen, if the user types a blank space for field name or for alias and then goes to another row, the validation function will show an error icon on the new row instead of on the row with the invalid entry.
Status: This issue is resolved.
4. **Modification:** In the Field Info screen, the mouse wheel will no longer change the field order value. This is to avoid inadvertent changes.
5. **New Feature:** Added an "Add New Record" button on the main screen. When the user clicks this button, depends on where the focus is, a blank screen will shown to let the

user set new record.

6. **New Feature:** Added a “Save Current Record” button on the main screen. When the user clicks this button, the current record will be saved to database.
7. **New Feature:** The Current Users list is now maintained so a DBA can see who is logged into a database via the application.
8. **Modification:** Updated the Query Builder components.
9. **Modification:** Made minor cosmetic changes.

v1.3 build 4

1. **Issue:** When import DataViews, sometimes error message 9472 shows up, The system information for this error is: “INSERT statement conflicted with COLUMN FOREIGN KEY constraint INSERT statement conflicted with COLUMN FOREIGN KEY constraint” or “Cannot insert duplicate key in object ‘tblProcessProperties’”;
Status: This issue is resolved.
2. **Issue:** When importing DataViews, if the program fails to create the SQL view, it stops to import all other groups and their DataViews.
Status: This issue is resolved.
3. **New Feature:** Add check box “Filter by Computer Name” on Levels tap.
4. **New Feature:** if a field name is “ID”, when user clicks ‘Populate Field Info’ to populate fields, the “Can be Shown” column field is unchecked on.
5. **New Feature:** Field alias is “Mixed Cased” when populate fields.

v1.3 build 3

1. **Issue:** If the user tries to set the display format for a date type field that already has an old setting, only the selected type can be shown in the “Sample Display Format” drop down list.
Status: This issue is resolved.
2. **Issue:** On the “Export DataViews” screen, when the user selects some DataViews to export and clicks the “Close” button then clicks the “No” button in the confirmation dialog, an error will occur if the user tries to close to dialog again.
Status: This issue is resolved.
3. **Modification:** Made minor cosmetic changes.

v1.3 build 2

1. **New Feature:** In Field Info tab, when the user clicks on the “Populate Field Info” button, the “Field Order” column is automatically populated based on the order of the columns in the SQL View or query if it is not already set.
2. **Issue:** When creating a new level, the master/detail grid would not display the data if there is space in the field names used to set “The Primary Key Field Name” or “Link Key Field Name” for the master or detail levels.
Status: This issue is resolved.

v1.3 build 1

1. **New Feature:** Added “Display Format” column in Field Info Grid so the Configuration Manager can set field specific display format.

v1.3 build 0

1. **New Feature:** Updated DevExpress controls to the latest version.

v1.2 build 61

1. **Issue:** If the user changes a current Config name and then import the Dataview to this original Config name, an error will occur.
Status: This issue is resolved.

v1.2 build 58

1. **Issue:** In the Level tab page, if the SQL Statement has “order by” and in the Field Info tab page, the Auto Create SQL Server View check box is checked, then when save the record, an error will occur.
Status: This issue is resolved.
2. **Issue:** When clicking the Data Viewer tool bar, the DataViewer Enterprise application will begin to run, but the user has to login.
Status: This issue is resolved.
3. **Modification:** Made minor cosmetic changes.

v1.2 build 57

1. **New Feature:** Added the Release Notes menu.

v1.2 build 56

1. **Issue:** In the File menu, when you click “Import DataViews...” the Import dialog will show. If you then click the “Select/Unselect all data views in the list below” check box, which unselects all data views, and then select only some data views in the Select column, the first data view in the internal dataset will always be selected, although it is not selected in the grid.
Status: This issue is resolved.