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Thursday, April 14, 2016

What's New in R:BASE eXtreme 9.5
UPDATE 5
Official Release Version
Build: 9.5.5.30414

Requested Enhancements 11/26/2014 - 04/14/2016

Item	Date Implemented	Description
01.	11/28/2014	Help Files - The help files were updated with additional results when searching for aggregate functions (AVG, COUNT, LISTOF, MAX, MIN, STDEV, SUM, VARIANCE). Context specific results are also available when entering HELP <keyword> at the R> Prompt.
02.	12/01/2014	Forms/Reports/Labels - When using the Data Dictionary to select a variable and add the value to the Expression Builder, errors can be encountered because the selected variable/value from the Data Dictionary always adds a trailing space.
03.	12/01/2014	Commands - PROPERTY/GETPROPERTY errors can now displayed if a "property" value is invalid. The enhancement applies to both forms and reports. The errors are only displayed if the new CHECKPROP setting is set ON. The default value is set to OFF. SET CHECKPROP ON/OFF
04.	12/02/2014	Forms - A new RBTI System Variable RBTI_FORM_DBLCLKED has been implemented where if a control is DOUBLE CLICKED, this variable is set to the clicked control's Component ID property (if exists). The value can then be used by the PROPERTY/GETPROPERTY commands to manipulate the control.
05.	12/02/2014	Forms - A new RBTI System Variable RBTI_FORM_CTRLTEXT has been implemented if a control is CLICKED this variable is set to the clicked control's 'Caption' or 'Text' property.
06.	12/02/2014	Forms - A new RBTI System Variable RBTI_FORM_CLICKED has been implemented where if a control is CLICKED, this variable is set to the clicked control's Component ID property (if exists). The value can then be used by the PROPERTY/GETPROPERTY commands to manipulate the control.
07.	12/04/2014	Forms - A new Count Down Timer control has been implemented. The functionality places a non-visual object that performs a count down process. The object is only visible at design-time and works by attaching to an existing control. Examples of controls to assign the timer to include Static Text, Panel, Enhanced Panel, LED Text Label, Digital Clock, Meter, or any control that has "Text" or "Caption" properties. Settings are available to specify the timer start time, display format, and the control that will display the time counter. EEPs are available to run for each second the timer decrements and for when the count down ends.

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08. 12/11/2014 Forms - Please implement a property to toggle the FILTERTYPE of an Enhanced DB Grid.

The following PROPERTY command parameter is now supported:

```
PROPERTY <component_id> FILTERTYPE 'Value'
```

Examples:

```
PROPERTY EDBGrid_Customer FILTERTYPE 'EQUAL'
PROPERTY EDBGrid_Customer FILTERTYPE 'LIKE'
PROPERTY EDBGrid_Customer FILTERTYPE 'CONTAINS'
```

09. 12/11/2014 Forms - I have an Enhanced DB Grid with a filter. I would like to perform a calculation as a value is typed into the filter bar.

The Enhanced DB Grid now includes the "On DB Grid Filter Change" EEP.

10. 12/12/2014 Forms - The Advanced Variable Rich Edit control has been added to forms. Variable Rich Edit controls can be automatically converted to Advanced Variable Rich Edit controls.

11. 12/16/2014 Commands - It would be nice to have a couple more OPTION parameters with the CHOOSE command, to pre-select a choice in the displayed list.

Two new CHOOSE command parameters INITVAL and INITPOS are available as part of the OPTIONS. INITVAL specifies the pre-selected initial value(s) for the items in the list. INITPOS specifies the pre-selected initial position(s) for the items in the list. The first value in the list is assigned zero, and increments for the number of values in the list.

```
CHOOSE vChoose FROM #TABLES CHKBOX 2 TITLE 'Choose Table...' +
LINES 25 OPTION INITPOS 2,5

CHOOSE vChoose FROM #TABLES CHKBOX 2 TITLE 'Choose Table...' +
LINES 25 OPTION INITVAL TITLES,CONTACT
```

12. 12/17/2014 General - Optimized R:BASE launch process. Objects that are created on startup but are used at a later time, or no used at all, were created on-demand resulting to faster application startup.

13. 12/17/2014 General - Single character search in strings was replaced with faster code. This resulted to faster text parsing.

14. 12/17/2014 General - Optimized Variable Handling. Removed unnecessary validations in handling variables and database object. This also resulted to significant reduction in number of function calls between front end and the database engine to accomplish the same task.

15. 12/17/2014 Database Explorer - Improved detection of compressed database objects (forms, reports, labels). Duplicate loading of resources were cleaned up.

16. 12/17/2014 Forms - Optimized detection of active forms. Previous code relied on exception handling. Updated method properly sets the internal form reference to NULL when form is destroyed.

17. 12/17/2014 Reports/Labels - Replaced the print to PDF font/typeface checking whether it is a symbol or not. Replaced with a lookup method instead of checking with the operating system every time.

18. 12/17/2014 R:Compiler for R:BASE - Reworked embedded plugin detection in compiled applications. Also removed duplicate loading of embedded resources. Startup times should see significant improvement in loading time.

19. 12/17/2014 Forms - Removed duplicate processing of grid footers when form datasets are navigated.

20. 12/17/2014 Forms - Optimized forms with scrolling. The process that is only applicable when form has scrollbars is executed every time the mouse wheel is scrolled even if form has no scrollbars. This was corrected. This resulted to faster scrolling of form contents.

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21. 12/17/2014 Forms - Optimized form load process. In previous releases the entire form is always instantiated to detect/execute On Before Start EEP and On Before Design code. Now the form is no longer instantiated resulting to faster load times, for both design-time and run-time.

22. 12/17/2014 Forms/Reports/Labels - Removed unused columns when fetching forms, reports, and labels metadata. Unnecessary memory allocations were also removed.

23. 12/17/2014 Reports/Labels - Removed unnecessary variable recalculation on report/label data traversal.

24. 12/17/2014 Reports/Labels - Reworked the print to PDF text encoding function to minimize memory allocation/de-allocation.

25. 12/18/2014 Forms - A "Reset Hints" button has been added to the Enhanced DB Navigator, allowing the default values to be restored.

26. 12/22/2014 Commands - The new setting, NOCALC, has been implemented to suppresses or processes computed column expressions with the UNLOAD and LOAD commands.

If NOCALC is set to ON, then the UNLOAD command, as it creates LOAD statements, will generate new "load only" commands as it starts each table. These "load only" commands would be CALC and NOCALC, which operate in a fashion similar to CHECK/NOCHECK and FILL/NOFILL and NUM/NONUM commands. The UNLOAD command will output the current values for the computed columns as it unloads the data.

NOCALC allow users to preserve original computed values when using UNLOAD/LOAD to move data, or when rebuilding a database with UNLOAD ALL.

```
SET NOCALC ON
```

27. 12/23/2014 Forms - It would be useful to have the ability to customize the items in the forms menu bar (Menu Bar Designer> Menu Items) by changing the colors and fonts.

28. 12/30/2014 Commands - When mistakenly creating a table structure where a DEFAULT value is defined that exceeds the text column size, the following error message is displayed.

```
-ERROR- Default length must be no longer than 60 chars (2791)
```

The error message response has been enhanced to display the following:

```
-ERROR- Default value length exceeds defined length of the column. (2132)
```

29. 12/31/2014 Forms - Check boxes are now supported in the DB Lookup List View, Variable Lookup List View, and List View controls. Additional PROPERTY/GETPROPERTY parameters are available to manipulate and capture check box data.

The following captures and sets the check status of an item:

```
PROPERTY CompID 'ITEMS[1]->CHECKED' 'TRUE'
GETPROPERTY CompID 'ITEMS[1]->CHECKED' 'VarName'
```

The following returns a string of comma-separated "key field" values for checked items:

```
GETPROPERTY CompID 'CHECKEDROWS' 'VarName'
```

The following returns the number of checked items:

```
GETPROPERTY CompID 'CHECKEDROWCOUNT' 'VarName'
```

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30. 01/02/2015 Forms - When using an Enhanced DB Grid with a column configured as a Lookup Expression field type, the cell displays the previous value after it is changed, and only updates when the focus is moved to another row.

As the column change is known within memory (from moving from cell to cell within the row) and no yet passed to the engine (from moving from row to row), the Lookup Expression can be dynamically replaced with the current in-memory value before passing to the engine for evaluation by enclosing the field name within "less than" and "greater than" characters; "<" and ">". Example:

AccountName IN Account WHERE AccountType = <AccountType>

31. 01/05/2015 Database Explorer - An option has been implemented to change the background color for multiple forms at once, similar to changing themes for multiple forms. The option is available within the Forms section of the Group Bar and also within the right click pop-up menu.

32. 01/15/2015 Forms - A new RESET property has been implemented for List View controls. The following command clears the current sort settings and refreshes the list view.

```
PROPERTY ListViewCompID RESET 'TRUE'
```

33. 01/20/2015 Forms - With a limited space on a form and with many Tree View nodes, it would be nice to only open one node at time, when "Auto Expand" property is set to false.

The "ExclusiveMode" property has been added to support Tree View control.

```
PROPERTY TreeViewCompID ExclusiveMode 'TRUE'
```

34. 01/23/2015 Data Browser - When you export from the Data Browser, the csv or xls options does not export 0 values. It does not give you an option to turn them on or off like Gateway does.

The Data Browser settings have been enhanced with the Export Options to assign a blank value for zeros, and to open the document after export.

35. 01/27/2015 Forms - Check boxes are now supported in all List Box controls. PROPERTY/GETPROPERTY parameters are available to manipulate and capture check box data.

The following captures and sets the check status of an item:

```
PROPERTY CompID 'ITEMS[1]->CHECKED' 'TRUE'
GETPROPERTY CompID 'ITEMS[1]->CHECKED' 'VarName'
```

The following returns a string of comma-separated "key field" values for checked items:

```
GETPROPERTY CompID 'CHECKEDITEMS' 'VarName'
```

The following returns the number of checked items:

```
GETPROPERTY CompID 'CHECKEDITEMCOUNT' 'VarName'
```

36. 01/30/2015 R:BASE Editor - When opening the Scheme Editor within the R:BASE Editor, where a list of available schemes are listed, can the selection default to R:BASE?

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37. 02/12/2015 Plugins - Can the LoadDirectoryName Plugin be enhanced where nodes of the tree structure be expanded when the dialog is displayed?

Two additional options are supported for the LoadDirectoryName Plugin, for expanding the initial node and for expanding nodes with a single click.

EXPAND_INITIAL_FOLDER - Determines if; the initial folder node is expanded (ON), the initial folder and the sub-folders are expanded (CASCADE), the initial folder is not expanded (OFF, default).

AUTO_EXPAND - Determines if single click will expand/close a node when clicked (ON/OFF). Otherwise double click is used. This option is for clicking on nodes, not the tree structure.

Example:

```
PLUGIN LoadDirectoryName vDirName+
|PATH_NAME C:\RBTI\ +
|SHOW_BUTTONS ON+
|CREATE_FOLDER_ICON OFF+
|DELETE_FOLDER_ICON OFF+
|WIDTH 500+
|HEIGHT 400+
|READ_ONLY ON+
|INCLUDE_NON_FOLDERS OFF+
|SHOW_HIDDEN OFF+
|OK_BUTTON_CAPTION 'Load Folder'+
|EXPAND_INITIAL_FOLDER CASCADE+
|AUTO_EXPAND ON
```

38. 02/12/2015 Forms - The Background Color Mapping column feature in Enhanced DB Grids is very powerful, however, is limited to text value comparisons. Can an enhancement allow comparisons of numeric and date columns with variables (e.g. .#DATE) ?

The Background Color Mapping feature within Enhanced DB Grids now supports all data types (rather than just TEXT), as well as relational operators. Within the "Text Value" field of the Colors dialog, several formats are available to specify relational operators with variables:

```
=(...)
<(...)
>(...)
<>(...)
```

Examples:

```
Example 1: Highlight all negative values: <(0)
Example 2: Highlight dates that are later than today: >(.#DATE)
Example 3: Highlight all dollar amount greater than $100: >($100.00)
Example 4: Highlight all values that match a defined variable: =(.VarName)
Example 5: Highlight all values that match a defined variable and text: =(.vCompName Corporation)
```

39. 02/16/2015 Forms - The Background Color Mapping in Enhanced DB Grids has been enhanced with a "Change" button for easier manipulation of defined mappings, and includes expression support for less than or equal to (<=) and less than or equal to (>=) comparisons.

40. 02/18/2015 Forms - New Tree View properties are added to expand nodes and to find a node based upon the node path.

EXPAND: controls whether a node is expanded or collapsed; valid options are ON/CASCADE/OFF
FINDPATHNODE: selects a node using the full path

Example:

```
PROPERTY TreeView1 FINDPATHNODE 'Orders\Region 6\Estimates'
PROPERTY TreeView1 EXPAND 'ON'
PROPERTY TreeView1 SET_FOCUS 'TRUE'
```

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41. 02/18/2015 Forms - Two new EEPs are added to DB and Variable Date/Time Picker controls to execute when the Drop-Down Calendar is displayed or hidden, allowing for improved date/time verification.

On Drop Down EEP - triggered when the drop-down calendar is displayed
On Close Up EEP - triggered when the drop-down calendar is hidden

42. 02/26/2015 Forms - I frequently need to filter more than one column in Enhanced DB Grids. Sometimes I need to filter a name column using a text string (filter type: 'Contains') and then filter the result by another column with an integer data type (filter type: 'Equal'). The filter type property currently operates at the DB Grid level. Can filters be provided at the column level?

43. 03/02/2015 ODBC - When attaching ODBC tables by selecting "Utilities" > "Attach SQL Database Tables" from the menu bar, the dialog has been enhanced with an "Attach USING ALL" check box, rather than automatically adding USING ALL to the command.

Without USING ALL, R:BASE will query the ODBC source, to properly assign primary and unique key qualcols for the attached table.

44. 03/02/2015 Database Explorer - At times, the number of database connections can increment to invalid values through improper closing of R:BASE sessions and through remote connection use.

From within R:BASE, the option "Tools" > "Database Connections" > "Reset User Count" has been added. This option will reset the user count, only if there are no other valid connections to the database. If valid connections exist, the count will not reset.

To verify that your connection is indeed the actual single database connection, alter the MULTI setting to OFF. If you are NOT able to connect, there is another active session already connected in the multi-user environment. If you ARE able to connect, there is no other valid users, and the connection count can be reset manually.

45. 03/10/2015 R:BASE Editor - When using the built-in R:BASE Editor, there is not a shortcut key navigation method to switch between the opened tabs.

The hot keys [Ctrl+Alt+N] to move to the "Next Tab" and [Ctrl+Alt+P] to move to the "Previous Tab" have been implemented. [Ctrl+Alt+,] for the previous tab and [Ctrl+Alt+.] for the next tab were also implemented.

46. 03/19/2015 Data Browser - When using the "Replace All Column Values" menu option within the Data Browser, the dialog box does not allow the use of the Data Dictionary.

47. 03/19/2015 Data Browser - When using the "Replace All Column Values" menu option within the Data Browser, the dialog box contains a limit of 51 characters. There should be no limit as the replacement value could be an expression that comprises of many columns combined.

48. 03/20/2015 Commands - There is not a method to increase the button text "font size", or to make the button text "bold" for the PAUSE command.

The PAUSE command has been enhanced to support a font size with bold, italic, underline, and strikeout types for the button text. The button width and height can also be modified.

```
PAUSE 2 USING 'Message Text' CAPTION 'Caption Text' +
ICON INFO BUTTON 'Button Text' +
OPTION BUTTON_COLOR -16777216 +
|BUTTON_FONT_NAME Tahoma +
|BUTTON_FONT_COLOR -16777208 +
|BUTTON_FONT_SIZE 10 +
|BUTTON_FONT_BOLD ON +
|BUTTON_WIDTH 100 +
|BUTTON_HEIGHT 35
```

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49. 03/20/2015 Commands - With DIALOG command and using OK/CANCEL buttons with a field, parameters are available for the button text to be enlarged and made bold. However, there are not YES/NO button parameters for the button text to be enlarged and made bold.

The YES/NO button parameters for the DIALOG command have been enhanced to support a font name, with bold, italic, underline, and strikeout font types for the button text. The button widths can also be modified.

```
DIALOG 'Type Message Here ...' vResponse vEndKey YES +
CAPTION 'Type Caption Here ...' ICON INFO +
OPTION BUTTON_YES_COLOR 32768 +
|BUTTON_NO_COLOR 255 +
|BUTTON_YES_FONT_BOLD ON +
|BUTTON_YES_FONT_COLOR -16777208 +
|BUTTON_YES_FONT_NAME Tahoma +
|BUTTON_YES_FONT_SIZE 10 +
|BUTTON_YES_WIDTH 85 +
|BUTTON_NO_FONT_BOLD ON +
|BUTTON_NO_FONT_COLOR -16777208 +
|BUTTON_NO_FONT_NAME Tahoma +
|BUTTON_NO_FONT_SIZE 10 +
|BUTTON_NO_WIDTH 85
```

50. 03/26/2015 Plugins - Can the R:Dialog and R:Pause Builder Plugins be enhanced to recognize and build the code based upon the current QUOTES setting, like the R:Choose Builder Plugin does.

51. 04/03/2015 Forms - The Count Down Timer control does not accept a TEXT string when using the TIME parameter. The PROPERTY command syntax was updated to do so.

52. 04/03/2015 Commands - R:Compiler for R:BASE now supports the "QBE RB_Wizard" command to launch the Query Wizard within compiled applications.

53. 04/29/2015 Commands - When using TALLY, the command limits evaluations upon the first 40 characters for TEXT data type columns. The limit has been increased to the first 100 characters.

54. 04/30/2015 Functions - The ROUND function has been enhanced to support CURRENCY for the first argument.

```
SET VAR vAmount CURRENCY = $662.79
SET VAR vRound DOUBLE = (ROUND(.vAmount,1))
SHOW VAR vRound
        662.8
```

55. 05/08/2015 Commands/Settings - A new application property has been implemented allowing forms to be displayed as "native", which eliminates the use of operating system themes on R:BASE forms. With the setting OFF

(default), the feature is disabled.

```
PROPERTY APPLICATION NATIVE_FORMS 'ON'
PROPERTY APPLICATION NATIVE_FORMS 'OFF'
```

56. 05/08/2015 Command/Settings - A new application property has been implemented allowing form controls to be displayed as "native", which eliminates the use of operating system themes on the R:BASE form objects. With the setting OFF (default), the feature is disabled.

The function of this property is to make controls look like native controls. The setting is dependent on the NATIVE_FORMS property, and will only take effect when NATIVE_FORMS is set ON.

```
PROPERTY APPLICATION NATIVE_CONTROLS 'ON'
PROPERTY APPLICATION NATIVE_CONTROLS 'OFF'
```

57. 05/09/2015 Functions - When using the SRPL function upon a large VARCHAR variable (54,000+ characters) the resulting variable will be truncated. The previous expression limit of about 32,767 in size has been increased to just over 250,000.

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58. 05/11/2015 Forms - A new On After Cell Click EEP has been introduced for the Enhanced DB Grid control, to fire after a grid cell has been clicked.

59. 05/13/2015 Forms - A Display Format property is now supported for form variable controls. The Display Format is only available for non-text type data (Integer, Date, Time, etc.). When the control has focus, the value will be formatted in its native format. Upon exit, the Display Format value is applied.

60. 05/13/2015 System Tables - Currently the SYS_INDEX_TYPE column of SYS_INDEXES returns a constant '3' for all records. It would aid identification and understanding if instead of a constant '3' a number really indicative of the index type such as the listing below was returned.

1 = INDEX
2 = UNIQUE INDEX
3 = UNIQUE CASE INDEX
4 = DBF INDEX
5 = PRIMARY KEY
6 = PRIMARY KEY CASE
7 = UNIQUE KEY
8 = UNIQUE KEY CASE
9 = FOREIGN KEY

61. 05/27/2015 Reports/Labels - The properties for "Blank When Zero" and "NULL Format" have been added to the Variable Memo and DB Memo controls in the Report/Label Designer.

62. 06/03/2015 Settings/External Forms - There is not a "Create Backup Copy" option for external form files, like the settings which exist for command files, application files, and the configuration file. Please add a similar option for external form files to create an automatic backup.

63. 06/19/2015 Forms - When using the Date/Time Picker Control, there is not a method to use the control for both date and time for a DATETIME column.

The DB Edit and Variable Edit controls were enhanced to display a date/time editor, if the control is based upon a DATETIME data type. The date/time editor will open if the control is double clicked or if [Alt+Insert] is pressed. If exists, the control hint will be used as the date/time editor title bar text. Note that double click will only work if there is no EEP assigned to the double click event.

64. 06/30/2015 Query Builder - A new RBTI System Variable has been implemented to store a view name when the Query Builder is utilized. The RBTI_QBE_NAME variable will be defined with the view name after any "Save" menu option is used to create a new object, and will also store the view name after the query is opened and closed within the Query Builder.

65. 07/09/2015 R:BASE Editor - After adding a space at the end of a line of code, moving the cursor to populate the clipboard and pasting back to the previous location, the added space no longer exists.

A new setting has been added to R:BASE Editor "Keep Trailing Spaces" within the "String" menu tab. When checked, the setting will retain trailing spaces added at the end of code lines.

66. 08/04/2015 Trace Debugger - When tracing a form with an EEP, you can't scroll through a large piece of code and keep the active line in the center of the screen, as you can with a command file. The active code is always at the very bottom of the trace window. Can the debugger keep the active line in the center of the screen?

67. 08/07/2015 Commands - The UNLOAD command output format and layout for database schema and table definitions has been enhanced for better readability.

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68. 08/07/2015 Setting / Views - A new setting, COLCHECK, has been implemented which specifies if columns will be checked for consistency when making views. When COLCHECK is ON (the default), view alias/column names will be checked for consistency to other occurrences of those names in the database, when the view is created.

SET COLCHECK ON/OFF

Similar checking is already in place when creating or modifying tables, and when attaching tables to a database, where R:BASE requires an alias that does not cause name/data type conflicts.

An impact may exist for a view that has already been defined, because when COLCHECK is on, the values generated for the view will follow the data type of the alias. If an error occurs, the view definition should be reviewed.

If an application requires COLCHECK be off to define a view, the proper results should not be expected once COLCHECK is switched back to ON when using the view. If a view needs to be created with COLCHECK off, it also needs to be used with COLCHECK off.

69. 09/09/2015 Form Designer - Additional pop-up menu options have been added to the Form Designer when multiple buttons are selected and right-clicking. A "Clear Image" option removes the displayed image for all selected Bit Buttons. A "Button Effects" option allows for the editing of the button "effects" properties.

70. 09/14/2015 Help Files - It would be appropriate and very helpful to use HELP HOTKEYS at the R> Prompt to bring up the reference page for all topics on Hot Keys.

71. 09/25/2015 R:BASE Editor - A new "Merge" option is available to merge the custom schema from your R:BASE Editor environment settings, for new R:BASE Editor installations.

72. 09/29/2015 Commands - The DIALOG command requires the response variable to be text. When trying to capture an INTEGER, DATE, etc, developed code must always pre-define variable data type to TEXT before and then convert to INTEGER, DATE, etc. after the DIALOG. With several DIALOGs, it gets cumbersome. Can DIALOG be enhanced to accept non-text variables.

73. 10/20/2015 Trace Debugger - If a command spans more than one line, a breakpoint must be placed on the last line of the command. Can the debugger be enhanced to display a message informing the user if a breakpoint is added anywhere other than the last line of the multi-line command.

74. 10/20/2015 Trace Debugger - The debugger has been enhanced with a context-sensitive popup menu for the displayed code. When right clicking in the code area, a popup menu is displayed with the following options:

Toggle Breakpoint
Add to Watch Variables
Add to Watch Variables with Prompt

"Toggle Breakpoint" - adds or clears breakpoints, where applicable
"Add to Watch Variables" - adds the highlighted text to the watch variable list
"Add to Watch Variables with Prompt" - displays a dialog prompt, to add the highlighted text to the watch variable list

75. 10/20/2015 Trace Debugger - When tracing through code where many variables are defined, it can be cumbersome to add a watch variable. It would be a great time saver to have the ability highlight the text of a variable in the displayed code, right click upon it, and have an option for "Add to Watch Variables".

76. 10/20/2015 Trace Debugger - When adding Breakpoints, can the debugger logic be enhanced to prevent a breakpoint from being added to a blank line.

77. 11/04/2015 Form Designer - When using Form > Save Form As it is not possible to enter a Comment as the field is disabled.

78. 11/13/2015 Commands - The PAUSE command has been enhanced with an optional NO_FOCUS parameter, which species the message box will not be "focused" when displayed. The enhancement can be used to possibly prevent an interruption in the focus transition in an active form.

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79. 11/16/2015 Commands - The UNLOAD command will now unload defined database events (ON CONNECT, ON PACK, etc.) if an UNLOAD ALL or UNLOAD STRUCTURE is performed.

80. 11/17/2015 Commands - The command syntax for ON CONNECT/PACK and ON ERROR now supports the use of the AFTER keyword for "ON" database events.

81. 11/18/2015 Help Files - When searching for command help at the R> prompt with the HELP command, spaces in multi-word commands are only recognized when the space is replaced with an underscore. It would be helpful if the space in the command name is recognized if the command is enclosed in quotes. Both of the following will display the help chapter for CREATE TABLE.

```
R>  HELP CREATE_TABLE

R>  HELP 'CREATE TABLE'
```

82. 11/18/2015 Form Designer - Scroll bar support has been implemented for the property editor windows in instances where the screen size is less than the initial dialog window size. The form size will be reduced to fit the screen and the buttons at the bottom will always be visible.

83. 11/20/2015 Settings - When defining Database Events within the Configuration Settings dialog, an "Insert File Name" button is now available to load a defined file name. Database Event buttons were also reordered to accurately describe when each action takes place as it relates to the database event.

84. 12/04/2015 Database Explorer - When selecting "Copy Database..." in the Database Explorer, and altering the field to a database name that already exists in the folder, R:BASE does not warn the user that a database already exists (with the same name) in the current folder.

85. 01/07/2016 Functions - The IWOY function supports additional week counting methods for capturing the week of a year for a specified date. The optional parameter specifies week counting will start on Sunday or Monday with January 1 being the first week of the year, or if week counting follows the ISO 8601 standard, which means that week 1 for the year is the first week with 4 or more days of January in it (week starts on Monday).

```
(IWOY(date,parameter))
```

86. 01/08/2016 Functions - A new CVAL('OUTPUT') function has been implemented to capture the current output value. If the screen is being used, SCREEN is returned. If the printer is being used, PRINTER will be returned. If a file is being used, the file name is returned. If more than one output is being used at a time, the values are returned in a comma-separated string.

87. 01/14/2016 Data Dictionary - A new CVAL tab has been added to the Data Dictionary [F3] to capture all CVAL Functions and easily add to command syntax.

88. 01/21/2016 Commands - When using SELECT TOP, the parameter can now be used within a SUB-SELECT. With the following example for the RRBYW18 sample database, the three companies with the largest purchases are returned.

```
SELECT CustID,Company FROM Customer WHERE CustID IN +
(SELECT CustID FROM InvoiceHeader WHERE NetAmount IN +
(SELECT TOP 3 NetAmount FROM InvoiceHeader))
```

89. 01/21/2016 Database Explorer - The "Find in Control Properties" search utility [Ctrl+L], to locate specific text defined within the properties of database objects, has been enhanced to find text for Custom Form Action definitions (Command Name, Description, Component ID).

90. 03/01/2016 Commands - The REFF command will now launch the "Run External Form" dialog if no file is specified.

91. 03/04/2016 Database Explorer - A new option has been added to show/hide slave tables for forms, reports, and labels. When slave tables are defined, the additional tables are listed after the table within parenthesis, making all linked tables visible.

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92. 03/07/2016 The SELECT command has been enhanced to process the LIMIT option "after" sorting a query with the ORDER BY clause.

In the past, the SELECT ... LIMIT was converted as follows:

LIMIT 5 became WHERE COUNT <= 5
LIMIT 5,3 became WHERE COUNT > 5 and COUNT <= 8

SELECT ... LIMIT is now processed similar to how the "TOP" option is processed. These two commands are now equivalent:

```
SELECT TOP 5 ALL FROM SalesBonus ORDER BY NetAmount DESC
SELECT ALL FROM SalesBonus ORDER BY NetAmount DESC LIMIT 5
```

Because of the 2 value LIMIT option, the following is supported, which has no "TOP" equivalent:

```
SELECT ALL FROM SalesBonus ORDER BY NetAmount DESC LIMIT 5,3
```

SELECT also supports the use of LIMIT with a WHERE clause. The following examples now work:

```
SELECT ALL FROM SalesBonus ORDER BY NetAmount DESC LIMIT 5 WHERE Bonus > 0
SELECT ALL FROM SalesBonus WHERE Bonus > 0 ORDER BY NetAmount DESC LIMIT 5
```

93. 04/05/2016 Data Browser - For the presentation of many and big number values in tables as well as in Enhanced DB Grid it would be very helpful to be able to display values formatted with thousands separators.

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Item	Date Fixed	Description
01.	12/01/2014	Forms - When changing the associated column for DB Memo from one column to another column and then clicking on the [Apply] button, the visual display of the associated column is not refreshed. However, the column is saved. Closing the form and opening the form again displays the associated column correctly.
02.	12/02/2014	Data Browser - When entering data into a DATE column via the Data Browser using View as Row, an error appears when the first number is typed.
03.	12/04/2014	Forms - When displaying a form with a Menu Bar, images loaded individually do not appear when the form is run.
04.	12/04/2014	Forms - The GETPROPERTY CompID CURRENTCOLUMNNAME 'VarName' syntax works for DB Grids but not Enhanced DB Grids.
05.	12/05/2014	Forms - When using the [F7]/[F8] hot keys through a dataset, the GetProperty command doesn't retrieve the expected value in table-level EEPs when SET FOCUS is OFF, and the captured value is off by one row. In such seldom used instances, the ForceRefreshValue has been implemented for database controls to take the data field's value and assign it to the control overwriting the control's current value (thus the control's value is refreshed). PROPERTY DB_ComponentID ForceRefreshValue 'TRUE'
06.	12/08/2014	Database Explorer - After changes are made to code within the results of a Database Explorer keyword search (Ctrl+F), the date/time stamp for External Forms and Applications is not updated accordingly.
07.	12/10/2014	Data Designer - When using a recursive foreign key (foreign key referencing a primary key within the same table) errors are displayed within the Data Designer when altering the table structure. The ALTER TABLE command does allow for changes.
08.	12/10/2014	Data Designer - Constraint errors are displayed when attempting to create a recursive foreign key within the Data Designer. The recursive foreign key can be created using the ALTER TABLE command.
09.	12/10/2014	Data Designer - If Cascade (Update) is added to a table containing a recursive foreign key, R:BASE closes unexpectedly when the primary key value is updated.
10.	12/10/2014	Data Designer - For a recursive foreign key, the "Duplicate" and "Adjacency" factor values are set to zero with R:BASE eXtreme 9.5 (64).
11.	12/12/2014	Forms - When a filter is defined based on "Column" and the underlying column type is INTEGER, the Enhanced DB Grid is being sorted as TEXT, such as: 1, 100, 101, 2, 3, 4, 5, 50
12.	12/16/2014	ODBC - When using thousands of SATTACH commands with temporary tables, eventually R:BASE fails to return the correct row count.
13.	12/17/2014	Forms - When using an Enhanced DB Navigator the hints do not turn off. After you uncheck "Show Hints" the hints still show. If you delete the hint values from the "Hints" tab, the hints also still appear.
14.	12/18/2014	Trace Debugger - When the debugger is launched for a command file, the keyword and other color highlighting is different from the keyword formatting when the R:BASE Editor is displayed.

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15.	12/22/2014	Commands - When converting/upgrading a Turbo V-8 database to 9.5 (64) using the "TURBO dbname V9" command, the ERROR is generated as follows: -ERROR- Too many columns defined in the table - limit is 2048 (2730)
16.	12/30/2014	Commands - With Integrated Windows Authentication support (SET WINAUTH ON) and the ability to use USER names that contain spaces, error messages are encountered when rebuilding the unloaded output for the SET USER and GRANT commands.
17.	12/31/2014	Commands - When doing UNLOAD with SATTACHed tables, if you had not already connected to the server, the UNLOAD does not output properly.
18.	01/02/2015	External Forms - After reloading an external form, the Action Designer dialog for Custom Form Actions does not appear.
19.	01/05/2015	External Forms - If an external form is designed and changed and you try to 'X' out of R:BASE, the prompt to save the external form is not displayed. If you just close the designer, the prompt is displayed.
20.	01/16/2015	Forms - I noticed that when I try to copy/paste multiple Custom Form Actions from one form into another using the copy and paste buttons, things don't work as expected.
21.	01/16/2015	External Forms - It appears that the lock control does not work properly in external forms.
22.	01/19/2015	Forms - When navigating multi-table grids, a lookup variable is capturing an incorrect value in relation to the active row.
23.	01/19/2015	Functions - When I issue the command SET VAR vDomain = (CVAL('USERDOMAIN')) I am getting the result of the Computer Name and not the domain name.
24.	01/20/2015	Forms - The Radio Button Group Tab Stop property always behaves as if the status is unchecked. When the Radio Button Group Tab Stop is checked or True, note the focus appears lost when moving to the group box (because box is focused, not the items). Once [Tab] is pressed again the focus will switch to the radio button inside the box, which is the correct behavior.
25.	01/23/2015	Forms - When creating a new form, the Form Default Background Color is not used from the settings.
26.	01/26/2015	Forms - The enter processing for the Advanced Variable Rich Edit is not consistent; repeatedly pressing [Shift+Return] seems to work inconsistently. First press inserts a return, Second press moves focus to next control. Third press inserts a return etc.
27.	01/26/2015	Forms - The properties for WantReturns, WantShiftReturns, WantTabs produce errors for the Advanced Variable Rich Edit control.
28.	02/02/2015	Database Explorer - When an internal Variable Form with existing comments is saved as External Form File, the form comments are not carried over to the External Form File.
29.	02/12/2015	Forms - When I set up a color function for a column in an enhanced DB Grid and then I relocate the column on the grid, the color function remains with the original column placement and does not follow the original column to its new location. The function's action is still correct, but the color is applied to the wrong column.
30.	02/13/2015	Forms - When using a Variable Lookup List View with a font size higher than the default MS Sans Serif 10 and "Show Row Numbers" enabled, the column is not dynamically adjusted and the row number values are truncated.
31.	02/13/2015	Forms - When using a long form with a scroll bar, it is not possible to drag the scroll bar.
32.	02/16/2015	Functions - When using the SLOC function where a double space is the search criteria, a single space is being incorrectly recognized as a match.

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33.	02/17/2015	Forms - When converting DOS forms with the design and runtime passwords set to NONE, the converted Windows form is password protected where NONE is not accepted.
34.	02/19/2015	Database Explorer - When resetting the version number for an external form on a Windows 8.1 computer, a misleading "Unable to change the external form comment." error message is displayed. The version number is however changed after refreshing with the F5 key.
35.	02/23/2015	Data Browser - With an extended monitor, and a BROWSE * FROM TABLE command up in the extended area (monitor 2), the "hints" while hovering above columns are appearing on the other (left side) monitor 1)
36.	02/26/2015	User Privileges - When editing access rights for a user within the User Privileges interface, the "Edit Privileges" button does not respond when clicked.
37.	02/26/2015	ODBC - When using SATTACH to add SQL Data Source tables, the source primary key columns are not recognized and qualcols are added based upon the QUALCOL setting.
38.	02/26/2015	Functions - When using the FORMAT function to display date information in various ways, the 'WWW+' mask is not displaying results.
39.	03/02/2015	External Forms - When two users are accessing a database application at the same time through an external form, the changes in a table through EEP code made by the first user are not automatically reflected when the second user queries the table.
40.	03/12/2015	Reports - After a PDF Signature Field is added to a report, when right clicking and choosing "Field Name", the dialog reads "PDF List Box Name".
41.	03/13/2015	Settings - When using the TIMEOUT setting, and a session is closed due to inactivity, the R:BASE database connected user count is not decremented.
42.	03/25/2015	Commands - There are several commands that fail to report an illegal table name in R:BASE eXtreme 9.5 (32) when the table name exceeds the 18 character limit. The issue can be replicated with the BROWSE, TALLY, and SELECT commands.
43.	04/01/2015	R:Style - When running R:Style, the keyword VALUE is being expanded to VALUES. This is breaking what was working code for the PROPERTY command and VALUE parameter for the Meter control.
44.	04/01/2015	Form Designer - When the Form Designer is opened and the displayed form height is larger than what is visible on the screen, the form cannot be resized by scrolling down and grabbing the bottom right corner with the mouse cursor. If the right border is altered, the form can then be altered by grabbing the bottom right corner.
45.	04/06/2015	Commands - After attaching an SQL data source table with the USING ONLY syntax of the SATTACH, to limit the columns, the ONLY portion is not listed in the command syntax when unloading the server table structure.
46.	04/07/2015	Commands - When using the RUNRBA command in an EEP, the error message, "Illegal command in Entry/Exit Procedure", is displayed.
47.	04/07/2015	Forms - When you change the DB Combo Box to read only via the PROPERTY command, it does not change the background to the "read only" color.
48.	04/08/2015	ODBC - When using the SATTACH command versus using the menu option, Utilities > Attach SQL Database Tables, to attach SQL Server tables, different table names are available (tables with preceding "dbo.") and attached which result in incorrect qualkey assignments.
49.	04/14/2015	Forms - When launching and minimizing multiple MDI forms, the program focus remains upon the first minimized form and access to any other MDI form is not allowed.
50.	04/16/2015	Data Dictionary - After rearranging the columns by dragging the headers, any sorting is performed on the incorrect column.

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51.	04/29/2015	Commands - When using the TALLY command with a WHERE Clause containing a TEXT data type variable-based IN condition, the rows for the command cannot be found. Using the actual text values does produce the expected results.
52.	04/30/2015	Commands/ODBC - When using the SATTACH command, with USING ONLY, a table does not attach if it contains a column name longer than 18 characters. This issue is specific to R:BASE eXtreme 9.5 (32).
53.	05/01/2015	Commands/ODBC - An error occurs when exiting R:BASE after an SATTACH is performed through Oterro.
54.	05/01/2015	Commands/ODBC - In certain instances, R:BASE does not complete processing during an ODBC ATTACH to an Oterro DSN.
55.	05/01/2015	Forms - When a form is first drawn, the themed border looks correct. But once an EEP is run and control returns to the form, there is a grey inner border displayed. This can be removed by rolling up the form and rolling it down.
56.	05/07/2015	Forms - Properties for columns in a DB Grid include choices of left-justified, right-justified or centered for column captions and the columns themselves. But if the column data type is INTEGER, having the column left-justified is the same as right-justified. Centered works OK.
57.	05/22/2015	Help Files - Within the SYS_OLD entry for Stored Procedures and Triggers, the sentence which describes the action for the virtual pointer incorrectly states "INSERT", when it should read "UPDATE" for the supported actions.
58.	05/29/2015	Forms - When applying PROPERTY <CompID> ENABLED 'FALSE' or PROPERTY <CompID> VISIBLE 'FALSE' upon grouped controls within a Group Bar, the objects remain visible.
59.	06/04/2015	Data Browser - After applying the 05/29 update, specifically for R:BASE eXtreme 9.5 (64), a table containing a GUID data type does not open.
60.	06/15/2015	Data Designer - In some instances, when adding a foreign key to a table, the referenced primary key is not available. This prevents a foreign key from being created.
61.	06/16/2015	Reports - In the Report/Label Designer, the "Report" > "Disable Trace" option is listed with a toggle setting, but the image does not appear to change when altering the setting.
62.	06/23/2015	Forms - When adding new controls to a form, the [Enter] key is no longer recognized to move between fields in runtime mode, if a Status Bar is on the form, and the location of the new control is listed after the Status Bar in the form's Tab Order.
63.	06/26/2015	Commands - When using the DIALOG command and displaying buttons with unequal widths, the button locations overlap or lose display.
64.	06/29/2015	BLOB Editor - When opening character-based data (NOTE, VARCHAR) from Data Browser, and the data values start with "BR" (part of the file signature of the RAW image format), the BLOB Editor misinterprets the data as an image and does not display the containing text.
65.	07/06/2015	R:Style - When checking the syntax for a GATEWAY EXPORT command containing alias table name values for columns, R:Style fails to separate the alias from the column name.
66.	07/14/2015	ODBC - When using databases containing German/European settings, performing a SELECT against an SATTACHed table results in an error message and no results. Using LIST TABLE and LIST TABLE SattachedTableName works fine.
67.	07/14/2015	Messages - When renaming a column name, the message box appears showing the progress for the process, but when checking forms, the message reads "Renaming form formname" which is incorrect.

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68.	07/14/2015	Database Explorer - When using DB Explorer, if I set the width of the form name column so that the complete name is visible and then leave and return to the External Forms view the width returns to a rather narrow width. It would be helpful if the initial widths were wider for the first column in most DB Explorer views and that the External forms view settings were saved.
69.	07/15/2015	Commands - When using an R:BASE eXtreme 9.5 (32) databases, that is specifically eight characters long with an OWNER password, errors are encountered when using the UNLOAD STRUCTURE command.
70.	07/29/2015	Commands/Views - When defining a view with column aliases, it is possible to assign an alias whose data type is not compatible with matching column names in defined tables.
71.	07/31/2015	Form - When using a Variable Form that contains an Image object, the hint cannot be set to show.
72.	07/31/2015	Form Designer - When designing a form with an Enhanced Tab Control, and after changing tabs using defined hot keys with accelerator characters, the default tab to display is not altered after saving the form, as when the menu options are used to switch tabs.
73.	08/04/2015	Commands/Views - Subsequent to recent changes for views and column data type definitions, errors occur within views containing a SELECT with a UNION.
74.	08/05/2015	When using the TALLY command with GUID data, incorrect results are returned.
75.	08/05/2015	Commands - The output from commands like LIST CONSTRAINTS, LIST PKEYS, LIST FKEYS, etc did not align headers properly when the NAMEWIDTH setting was increased above 18.
76.	08/05/2015	Commands - When unloading the structure from a database or table, where no OWNER is defined, the output stops abruptly.
77.	08/07/2015	Commands - When a table is PROJECTed with a computed column (DATETIME), having an expression that contains the #NOW system variable, an error is displayed and the resulting table is created without the computed expression.
78.	08/10/2015	Commands - An INSERT command does not properly set the Default Values for the #TIME, #DATE, and #NOW system variables.
79.	08/18/2015	Views / Commands - When building a view, the data is converted to a different data type and loses the value.
80.	08/18/2015	Commands - When selecting data from a computed column using the BIGNUM data type, the expected results are not returned.
81.	08/18/2015	Help Files - In the help files under GET, the example uses a file extension of ".STP". In current versions, the extension ".PRO" is used, and the R:BASE Editor uses the ".PRO" as an extension type. It would be helpful if the Help Files used ".PRO" instead of ".STP".
82.	08/20/2015	Forms - When adding a new pane for the Status Bar, two menu options are reversed and display the incorrect property editor. When selecting "Add Status Bar Pane" > "Current Table" the "Current Field Pane Properties" property editor appears. When selecting "Add Status Bar Pane" > "Current Field" the "Current Table Pane Properties" property editor appears.
83.	08/27/2015	Menu - When selecting a database from the Connection History, where the database no longer exists, a warning message is displayed and the item no longer resides in the list. However, if you look at the History items again, the same missed database is tagged along with another database folder path and is incorrect.
84.	09/01/2015	Database Explorer - If I click on the Date/Time column to sort list, the width of the Date/Time column reduces to a narrow setting, such that not all of the characters are visible. This issue is specific to R:BASE eXtreme 9.5 (64).

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85.	09/02/2015	Data Browser - When I try to delete a value from a REAL column value to a NULL in a table an error is displayed.
86.	09/02/2015	External Form - R:BASE is not able run an external form if the file is located in a folder path that contains a space. The full path is not recognized and the actual file name is misinterpreted.
87.	09/03/2015	Forms - R:BASE will close unexpectedly after inserting a new row where new record values are interpreted incorrectly when beginning with "E-".
88.	09/03/2015	Forms - For an Enhanced DB Grid filter, when capturing the filtered WHERE Clause for non-text values with the EQUAL condition, the result is converted to text.
89.	09/14/2015	Functions - The ROUND and RNDDOWN functions must use an integer value for the second parameter. Additional checks were added to ensure the correct data value is used.
90.	09/28/2015	Forms - I have a Variable Edit with an On Key Press EEP that I use to enable or disable other controls based on the value the user is in the process of entering. The On Key Press EEP is not firing if the backspace key is pressed.
91.	09/28/2015	Views - When a column error occurs with a complex view, based upon several layers of other views, the error message displays a number rather than the expected missing column name.
92.	10/02/2015	Data Dictionary - When running two local sessions of R:BASE and where one session creates new tables, the new tables are visible within the second session LIST results, but not within the Data Dictionary.
93.	10/05/2015	Forms - When populating a Variable Lookup List View with the Show Row Numbers property checked, no results were displayed within the control upon a second attempt to display the data.
94.	10/05/2015	Forms - When using TRACE through form controls, the DB Check Box is not accessible.
95.	10/06/2015	Commands - When using R:BASE eXtreme 9.5 (32) and clearing variables with CLEAR VAR, R:BASE will close unexpectedly if long variable names, with more eighteen characters, are listed in the command.
96.	10/06/2015	Forms - Error messages are displayed when form expressions lookup and evaluate NULL values, when initializing new row (ENTER USING formname), and a form with expression variable set to a column.
97.	10/12/2015	BLOB Editor - When reviewing file contents in the Hex tab of the BLOB Editor, the bytes are reversed.
98.	10/20/2015	Error Messages - If I enter a command at the R> that generates an error message such as a misspelled column name and I then enter a subsequent command that also generates an error, the message that's displayed in the second instance is the same as the prior one when it should be for another situation.
99.	10/21/2015	Views - When displaying data from a view, the sequence of data does not match the column sequence when the COLCHECK setting is toggled.
100.	10/26/2015	Database Conversion - When converting a legacy database, the end result contains table and column comments, default values, computed columns, and views, which did not properly match up.
101.	10/26/2015	Views - if you define a temporary table then define a real view against that table everything is fine as long as the temporary table is around. Reconnect the database and the view is still there, but it cannot be opened until you recreate the temporary table it depends on. This results in odd data in sys_columns for this view.
102.	10/27/2015	Forms/Reports - When viewing transparent PNG files, the images display as expected in the BLOB Editor. However, the same images are not displayed in the reports or forms.
103.	10/27/2015	Form/Report Designer - When selecting to "Document Custom EEP" to an output file, the dialog box button reads "Open" but should read "Save" since you are saving the information to a file.

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104.	10/28/2015	Settings - R:BASE allows the creation of temporary and permanent table when a database is connected in read-only mode.
105.	10/28/2015	Variables - When using VARCHAR with a "dotted" variable, R:BASE does not correctly interpret the actual variable contents.
106.	10/29/2015	Reports - If the DELIMIT character is changed to the semicolon, the Report Designer is not able to launch and the PRINT command displays an error.
107.	11/03/2015	Forms - When selecting from the Database Explorer -> Forms -> Find -> Find in Custom EEPs, the search results for text contained in Variable Memo "On Key Press" EEPs are not returned.
108.	11/04/2015	Forms - When selecting a row with an image along with text within a Variable Lookup List View, the text overlaps the image. In some instances the image from another column appears.
109.	11/09/2015	Form Designer - After typing some text for the "Caption:" and tabbing through fields for the Enhanced Panel control, the sequence in not in the expected order.
110.	11/09/2015	Commands - When loading data into a database that is larger than 21GB, a "Resources Unavailable..." error message is displayed.
111.	11/10/2015	Commands - When entering LIST SYS_% at the R> to review system table names, an error message appears in front of the column headers.
112.	11/10/2015	Commands - When using the LIST command, there is a certain sequence where an error message showed for the incorrect table.
113.	11/16/2015	Commands - When performing an AUTOCHK with a large database the process does not complete.
114.	11/17/2015	Settings - If an existing connected database contains defined database events, the database events are not cleared and are carried over when creating a new database.
115.	11/17/2015	Settings / Commands - The code in the PACK command processing does not execute when the "ON BEFORE PACK" database event is defined.
116.	11/21/2015	WHERE Builder - After adding multiple columns within the GROUP BY portion of the WHERE Builder, the first column is duplicated, returning incorrect selected columns.
117.	11/24/2015	R:Style - When checking the command syntax, UINOTIF is not recognized as a valid setting.
118.	12/10/2015	Form Designer - When the environment setting "NAVTIVE_FORMS" is ON, the form displayed in the Form Designer and the form being launched do not match the same height and widths.
119.	12/10/2015	Forms - When running a complex form with a lot of data and scrolling often by mouse and/or using the filter bar, the form loses control and locks up. The error occurs faster/immediately, if the same form is opened a second time.
120.	12/14/2015	Form Designer - During active development in the Form Designer, where constant right clicking is taking place for form objects, a slight memory leak is observed, which creates program instability over lengthy development sessions.
121.	12/17/2015	Commands - When using the WRITE command to write VARCHAR variable data to a file, an error is displayed.
122.	12/18/2015	Data Designer - Please update the Data Designer to prevent the creation of computed columns for invalid data types. Using the command syntax, the valid error is displayed. However, the Data Designer incorrectly allows the creation. Invalid data types for computed columns include VARCHAR, BSTR, BIT, BITNOTE, and VARBIT.

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123.	12/18/2015	Database Explorer - When the View As Large Icons, View As Small Icons, etc. display is altered, the Database Explorer work space does not refresh when changing between forms, reports, labels, etc.
124.	12/28/2015	Commands - When an ON AFTER CONNECT event is defined and if RELOAD is performed on the same database, the ON AFTER CONNECT event is no longer retained with the original as well as reloaded database.
125.	01/07/2016	Forms - When placing a form Image control (Variable, DB, or just Image Control) and setting the Align property to Left Right, etc., the value reverts back to None after the form is closed and reopened.
126.	01/08/2016	Reports - When printing a report with the BACKGROUND_FILE parameter, all subsequent reports will display the specified image background, even if the BACKGROUND_FILE parameter is not specified.
127.	01/14/2016	Reports - When printing to Excel spreadsheets where report data may overlap, information is lost within the output. An Excel error appears "File Error : data may have been lost."
128.	01/18/2016	Forms - After the Record Count field of an Enhanced DB Navigator is set to be not visible, the button hints are no longer displayed, even if a SHOWHINT is forced on the control.
129.	01/18/2016	Forms - The Office Button caption alignment on the property editor has no effect, as it is centered automatically.
130.	01/18/2016	Functions - The IHASH function in the latest engines is not working as expected, and is always returning 0.
131.	01/19/2016	R:BASE Editor - When using the "Find in Files" search tool at the DB Explorer, an error appears reporting the text cannot be found for a commented string, even though the file and text is included in the search results. The "From Cursor" setting within the Find Text dialog must be set.
132.	01/20/2016	Views - When the data from a complex view is being selected multiple times and if a TEMPORARY Table is created soon after, the same view becomes corrupted.
133.	01/21/2016	Error Messages - When the incorrect syntax of placing an ORDER BY within a SUB SELECT is performed, a confusing error message is displayed.
134.	01/21/2016	Forms - I have a DB Edit field that is for a phone number formatted (000)000-0000, before I type new data in that field the format shows up but when I start typing it just shows the string of numbers with no formatting, however, when I leave the field but click back on the phone number the formatting shows up.
135.	01/25/2016	Commands - A command (SELECT, BOWSE, EDIT, etc.) with a RIGHT OUTER JOIN is returning unexpected results when the WHERE Clause contains an expression.
136.	02/08/2016	Commands - When an expression in a DB Lookup Combo Box contains parenthesis, the resulting use causes error #843 in when a CHOOSE ...FROM #COLUMNS is used.
137.	02/09/2016	Forms - When pressing the [Enter] key while entering an Expression or WHERE Clause in the properties for any form control that accepts them (DB Lookup Combo Box, Variable Lookup Combo Box, etc.) a CHAR(13)+CHAR(10) is inserted at the cursor and the control Properties dialog closes.
138.	02/26/2016	Commands - When Cascade Update or Cascade Delete is individually assigned for a primary key table, the unloaded table structure is incorrect.
139.	02/29/2016	Stored Procedures - When tracing a procedure that uses PRNSETUP to turn on duplex printing, an error message displayed that the command was not supported in stored procedures.
140.	02/29/2016	Commands - When unloading the structure for Server Tables, which includes the SCONNECT command syntax, the unloaded code cannot be used, without modification, if the UserID contains a space.
141.	03/01/2016	Commands - When querying a view with the SELECT DISTINCT syntax, the expected results are not returned. If the DISTINCT is removed, results are displayed.

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142.	03/01/2016	Forms - When a form is being called from other form, the Drop-Down Menu Button > Menu Item Component IDs are not recognized. Note: The Form "On Start EEP" focus behavior has changed and may require form modification in rare cases where a Component ID may not be found, specially if the new form is shown as non-modal form.
143.	03/02/2016	Commands - After displaying and closing a PAUSE message on a Windows 10 operating system, the PAUSE will reappear when the cursor is hovered over the task bar and the "peek" animation is displayed.
144.	03/03/2016	Commands/Data Browser - When using BROWSE with aggregate functions on a REAL columns, the generated results display as DOUBLE data type.
145.	03/03/2016	Data Designer - A "Resource unavailable ..." warning appears when deleting a column in a table where the database has "ON" triggers stored.
146.	03/07/2016	File Gateway - When using Gateway Export XLSW, numeric results with decimals are incorrectly rounded.
147.	03/09/2016	Forms - When using the currency digit setting at 4, a display format to limit the currency value decimals to two numbers is not working and all four digits appear.
148.	03/10/2016	Forms - The Collapse Panel has been updated with "anchor checks" to assist with the use of applying anchors upon the control.
149.	03/24/2016	Forms - After a table refresh, the DB Tree View control fails to resort. A new REBUILDTREE parameter is available for the PROPERTY command, which instructs the tree control to rebuild the entire tree. PROPERTY TREEVIEWLIST REBUILDTREE ' '
150.	04/04/2016	Forms - After altering the "On Increment" EEP for the DB Spin Edit or Variable Spin Edit control, specifically using the Property Editor dialog, the changes are not saved.
151.	04/04/2016	Commands - When using "COMPUTE ALL columnname FROM tablename" at the R> Prompt, as well as using the Data Browser, R:BASE does not respond.
152.	04/05/2016	Commands - When using BROWSE with a LEFT OUT JOIN within the syntax and enclosed in parenthesis, an error is displayed.

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