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# What's New in R:BASE X

## UPDATE 1

## Official Release Version

## Build: 10.0.1.20909

| Requested Enhancements | 09/24/2015 - 09/09/2016 |
|---|---|

| Item | Date Implemented | Description |
|---|---|---|
| 01. | 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. |
| 02. | 09/28/2015 | Forms/Applications - A new right-click "Add Stock Images" option is available to load and use icon images used throughout the R:BASE front-end. The option can be used within the Form Designer > Image List Editor and within Application Files (rba). |
| 03. | 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 DIALOG commands, it gets cumbersome. Can DIALOG be enhanced to accept non-text variables. |
| 04. | 09/30/2015 | Commands - A new MODERN_LOOK parameter is available for the DIALOG command to use the modern look of recent Windows Aero releases. The new look including automatic message wrapping at 450 pixels. Please note: The custom formatting used in existing DIALOG commands will be ignored. |
| 05. | 09/30/2015 | Settings - A new appearance setting can be applied system wide for all DIALOG command windows to use the modern look of recent Windows Aero releases. The new look includes automatic message wrapping at 450 pixels. Please note: The custom formatting used in existing DIALOG commands will be ignored.<br><br>PROPERTY APPLICATION RDIALOG_FORCE_MODERN ON / OFF |
| 06. | 10/12/2015 | Commands - The DISCONNECT and EXIT commands are now supported to be used within ON CONNECT procedures. |
| 07. | 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. |

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| | | |
|---|---|---|
| 08. | 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:<br><br>Toggle Breakpoint<br>Add to Watch Variables<br>Add to Watch Variables with Prompt<br><br>"Toggle Breakpoint" - adds or clears breakpoints, where applicable<br>"Add to Watch Variables" - adds the highlighted text to the watch variable list<br>"Add to Watch Variables with Prompt" - displays a dialog prompt, to add the highlighted text to the watch variable list |
| 09. | 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". |
| 10. | 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. |
| 11. | 10/23/2015 | BLOB Editor - When implementing paragraph numbering, the text format where the cursor is currently located will be used in the numbers. |
| 12. | 10/27/2015 | Forms/Reports - The display of multi-image TIFF files has been enhanced to allow the sub-images to be specified in DB Image and Variable Image form/report controls. An "Image Number" property is available to select the appropriate image number, which begins at zero.<br><br>In processing, the number of sub-images within a multi-image TIFF file can be captured, in order to assign a sub-image accordingly.<br><br>GETPROPERTY TABLE_COLUMN[TableName->FieldName] IMAGECOUNT 'VarName' |
| 13. | 11/02/2015 | Commands - An added NEWDB command is now available to convert "legacy" database files to the current version format. NEWDB is specifically able to convert legacy database formats with the .RBF and .RB1-.RB3 file extensions. NEWDB will convert the database to the format recognized by R:BASE X or R:BASE X Enterprise, whichever program is running the command.<br><br>If the database contains illegal use of table and column names (containing special characters), a DBName.ERR file will be created with the list of items to address. |
| 14. | 11/04/2015 | Form Designer - When using Form > Save Form As it is not possible to enter a Comment as the field is disabled. |
| 15. | 11/05/2015 | R:BASE Editor - A new File Peek option has been added which allows the ability to review the first 2MB of a file, without opening the entire file. In instances where very large ASCII file exist and the requirement is to review the content and formatting. The content of the File Peek is read-only. |
| 16. | 11/06/2015 | Data Browser - Would it be possible to have R:BASE save the location and size of the browser so that repeated EDIT/BROWSE commands open in the same location and at the same size.<br><br>Please note, when opening multiple Data Browser windows, the previous location is applied only to first instance of Data Browser. The saved window state information is captured from the last instance of the Data Browser that was closed. |
| 17. | 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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18. 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.

19. 11/17/2015 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.

20. 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.

21. 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'
```

22. 11/19/2015 Forms - A new "Force Opaque" property has been introduced for all form image controls to force a non-transparent image display, which removes flickering when images are refreshed.

23. 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.

24. 11/20/2015 Forms - Enhanced DB Grid control now supports "multi-select", to capture comma separated values of the selected rows for the specified field/column. To selected multiple rows, press [Ctrl]+Click or [Shift]+Click. Use [Ctrl]+Click to select random rows. Use [Shift]+Click to select a contiguous block of rows.

A new "SELECTEDVALUES[xxx]" property for DB Grids has been implemented. The "xxx" inside the brace can be the column name or the zero based grid column index to work with the multi-select option. The result is a comma separated values of the selected rows for the specified field/column. Example:

```
GETPROPERTY GridCtrl 'SELECTEDVALUES[FieldName]' 'vCSVValues'
GETPROPERTY GridCtrl 'SELECTEDVALUES[0]' 'vCSVValues'
```

25. 11/26/2015 BLOB Editor - Having the option to open the ROSK (R:BASE On-Screen Keyboard) within the BLOB Editor would be very helpful.

26. 11/30/2015 Forms - The Collapse Panel control has been enhanced to specific a glyph image for both the expanded and collapsed state of the panel.

27. 12/02/2015 Applications - A new "On Pre-Run Action" has been implemented for RBA application files to allow environment settings, e.g. PROPERTY APPLICATION 'NATIVE_FORMS' ON, to be initialized before the form is created.

28. 12/02/2015 BLOB Editor - The BLOB Editor has been optimized for data types that can contain large amounts of data, like VARCHAR and BSTR.

29. 12/02/2015 Forms - A new "On Caption Click" EEP has been added to the Collapse Panel control.

30. 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.

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31. 12/08/2015 R:BASE Editor - The option for "Recently Opened Files" contains an added menu option to clear the history.

32. 12/11/2015 Commands - A new CHECKPORT parameter for the GETPROPERTY command has been implemented to check if a port in a given location is opened. A host address or IP address can be specified. If the port accepts the connection, then return value is OPEN. Otherwise, it returns CLOSED.

Syntax:

```
GETPROPERTY APPLICATION CHECKPORT[HOSTNAME:XXXX] VarName
GETPROPERTY APPLICATION CHECKPORT[AAA.BBB.CCC.DDD:XXXX] VarName
```

Example:

```
GETPROPERTY APPLICATION CHECKPORT[GOOGLE.COM:80] vOpenStatus
GETPROPERTY APPLICATION CHECKPORT[23.100.122.175:21] vOpenStatus
```

33. 01/06/2016 Forms - Added "On Expanding" and "On Collapsing" EEPs for the Tree View and DB Tree View controls to fire if a node is expanded or collapsed. With the enhancement, addition properties have been introduced for control and management of nodes, whose values are only valid in appropriate expanding/collapsing events.

For expanding nodes:

ALLOWEXPAND - specifies if a node can be expanded (ON/OFF)
EXPANDEDNODE - returns the Component ID of the node being expanded

For collapsing nodes:

ALLOWCOLLAPSE - specifies if a node can be collapsed (ON/OFF)
COLLAPSEDNODE - returns the Component ID of the node being collapsed

Sample:

```
--Don't allow expanding of DatabaseMaintenance node
SET VAR vNode TEXT = NULL
GETPROPERTY TreeView EXPANDEDNODE 'vNode'
IF vNode = 'DatabaseMaintenance' THEN
  PROPERTY TreeView ALLOWEXPAND 'OFF'
ENDIF
RETURN
```

34. 01/07/2016 R:BASE On-Screen Keyboard - The Number Pad layout of the ROSK has been enhanced to allow resizing to a minimum of 220 pixels.

35. 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))

36. 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.

37. 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.

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38. 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).

39. 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))
```

40. 02/02/2016 Commands - The GATEWAY command has been enhanced to launch the File Gateway Utility with default options specified, using new parameters for import and exporting data.

```
-- launches the Gateway Utility Import tab with ACHTrans as the new "temporary" table, ASC as the file format, ACH_Import.asc as the file name, and the progress and messages set to not display
   GATEWAY IMPORT OPTION DEFAULT_NEW_TABLE ACHTrans +
   |DEFAULT_FORMAT ASC +
   |DEFAULT_FILENAME ACH_Import.asc +
   |DEFAULT_CREATE_TEMPORARY ON +
   |DEFAULT_SHOW_PROGRESS OFF +
   |DEFAULT_SHOW_MESSAGES OFF

-- launches the Gateway Utility Export tab with Customer as the preselected table, XLS as the file format, a WHERE Clause specified, the progress display enabled, and the option enabled to launch file after the export completes
   GATEWAY EXPORT OPTION DEFAULT_TABLE Customer +
   |DEFAULT_FORMAT XLS +
   |DEFAULT_WHERE WHERE CustState IN (CA,PA) ORDER BY Company +
   |DEFAULT_FILENAME Customer.xls +
   |DEFAULT_SHOW_PROGRESS ON +
   |DEFAULT_LAUNCH_AFTER_EXPORT ON
```

41. 02/03/2016 Forms - An added "Variable Links Overview" has been implemented to Forms, to allow users and developers to list and review which controls have variable links.

* An available combo box allows filtering of Variable Links per variable. It lists currently defined variables and undefined variables used in the controls' Variable Link assignments.

* The main tree view lists controls in the form. Selecting a control node (or the sub nodes) selects the control in the form designer. This allows easy identification of the control within the form.

* A check box at the bottom limits the number of controls displayed in the tree view. If checked, then the controls without a Variable Link (or a VarLink for the selected variable) will not be displayed.

* The option to right click on the tree view nodes is available to display additional functions based on the selected node.

42. 02/11/2016 General - An additional Currency Convention "E" has been implemented. The decimal delimiter is a period (.) and the thousands delimiter is a single quote/apostrophe (').

43. 02/15/2016 Data Browser - A setting has been added to include the SQL statement with output printed from the Data Browser.

44. 02/16/2016 Form Designer - An option has been added to the "Code" tab of the Form Designer to add a new Custom Form Action, and to launch the Action Designer.

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45. 02/29/2016 Forms - It would be helpful to have check boxes with pre-selected check/nocheck display, depending on a value. At this moment we have check box, but could only set manually, not representing given values in columns/variables.

This enhancement has been implemented in all List View controls, where three new PROPERTY command parameters are available; CHECKITEM, UNCHECKITEM, and CHECKEDITEMS.

Examples:

```
-- places check marks in items 325 and 326
PROPERTY ListView1 CHECKITEM '325'
PROPERTY ListView1 CHECKITEM '326'

-- removes check marks from items 325 and 326
PROPERTY ListView1 UNCHECKITEM '325'
PROPERTY ListView1 UNCHECKITEM '326'

-- places check marks in items 325 and 326
PROPERTY VariableLookupListView1 CHECKEDITEMS '325,326'

-- places check marks in all items
PROPERTY ListView1 CHECKEDITEMS '[ALL]'

-- removes check marks from all items
PROPERTY ListView1 CHECKEDITEMS '[NONE]'
```

46. 03/01/2016 Commands - The REFF command will launch the "Run External Form" dialog if no file is specified.

47. 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.

48. 03/07/2016 Report Designer - It would be helpful to provide a horizontal scroll bar for the "Tables/Views" panel within the Report Designer's "Tables" facility, in order to display the full length of long table/view names.

49. 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
```

50. 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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| | | |
|---|---|---|
| 51. | 04/11/2016 | Hot Keys - The hot key [Ctrl+Alt+I] information dialog, to display the "driving source" for forms, reports, and label in runtime, has been enhanced to include the database and path. |
| 52. | 04/11/2016 | Database Explorer - A "Database Events" menu item has been added to the "Databases" options, for easier use. |
| 53. | 04/13/2016 | Hot Keys - Pressing [Ctrl+Alt+Shift+I] performs an image capture of the current form, report, or label at runtime and launches the BLOB Editor to possible alter (image annotations) and save. Along with [Ctrl+Alt+I], the functionality provides developers with the ability to locate source information for running modules and make notes for repair or changes. |
| 54. | 04/18/2016 | BLOB Editor - When placing a text annotation and entering characters, the characters at visible at the top left corner. After you click out of the box, the text becomes vertically center justified. Can the text remain at the top where it is initially entered? |
| 55. | 04/18/2016 | Forms - All form "lookup-type" controls have been enhanced in order to allow easier modification for large lookup text and criteria, with vertical scroll bars, and a button to allow editing using the R:BASE Editor, for the "Columns Chosen" and "WHERE Clause" memo fields. |
| 56. | 04/20/2016 | Forms - When using an external form or variable form, the Dynamic Caption > Display Dynamic Caption is not available. It is understood the option is disabled for form/expression based variables. Can the Dynamic Caption be enabled to work with global variables? |
| 57. | 05/04/2016 | Database Explorer - When copying and pasting a group of forms/reports from one R:BASE instance to another, to replace the forms/reports, a confirmation is displayed for each forms/reports. Can the dialog be improved to include a "Yes to All" button? |
| 58. | 05/04/2016 | Report/Label Designer - When the Object List > "Existing" tab is displayed, can it show the variable name and database column field for the report/label objects. Prior to R:BASE 9.x, this feature did exist, which would prevent having to click on each variable or database object individually to see what it is based upon.<br><br>Within the Report/Label Default Settings, a new "Show Control Data Source In Object List" setting has been introduced to enable the feature. |
| 59. | 05/05/2016 | Report/Label Designer - After adjusting the Object List > Existing settings and getting the panels how I like, restarting the designer results in the resetting of the Object List. Can R:BASE remember the Object List in the manner in which it was last configured? |
| 60. | 05/05/2016 | System Variables - A new RBTI System Variable, RBTI_REPORT_NAME_X, has been added, which captures the name when an attempt is made to open a report/label, whether the end result is successful or not/canceled. |
| 61. | 05/06/2016 | Forms - When working with certain for property editors, it would be very helpful to allow the editor to be resized and increased in size, particularly the Tree View, the Group editor for the Group Bar, and the Drop-Down Menu Button. |
| 62. | 05/06/2016 | Forms - New functionality to automatically convert a "Menu Bar" from the forms menu "Layout" > "Design Menu Bar" into a Tree View control. |

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63. 05/07/2016 Commands, Data Browser/Editor - The EDIT and BROWSE commands include a new "COLUMN_WIDTH[x] y" OPTION parameter to support word wrapping for column titles in the Data Browser/Editor, especially when using aliases. The specified value defines the column width for a column, where X is the zero-based column index and Y is the width in pixels.

Example:

```
BROWSE +
CustID AS `Customer ID`, +
Company AS `Company Entity`, +
CustAddress AS `Home Office Address`, +
CustCity AS `Home Office City`, +
CustState AS `Home Office State`, +
CustZip AS `Home Office Zip Code`, +
CustStatus AS `Active Status`, +
FROM Customer WHERE CustStatus = 'A' +
ORDER BY Company ASC +
OPTION CAPTION 'Active Customers'+
|WINDOW_STATE NORMAL +
|COLUMN_WIDTH[4] 50 +
|COLUMN_WIDTH[5] 50 +
|COLUMN_WIDTH[6] 50
```

64. 05/16/2016 File Gateway - The XML Import process for the File Gateway has been enhanced to load unexpected formats, by offering a Data Packet selection tool. The user will be prompted to select the specific node which contains the valid collection of rows.

65. 05/17/2016 BLOB Editor - When making annotations and other image changes, can "Undo" and "Redo" options be made available to step back and forward through changes.

66. 05/19/2016 File Gateway - When importing data into a table through the File Gateway interface, please prevent user from mapping source data columns to computed target columns.

67. 05/20/2016 File Gateway - When encountering errors during the a Gateway Import process, it would be helpful to generate an error file when issues are encountered. A new ERROR_FILE parameter is available to specify an exception file for the import process.

```
GATEWAY IMPORT CSV InvoiceDetail.csv APPEND InvoiceDetail +
OPTION ERROR_FILE EXCEPT.DAT
```

68. 05/23/2016 Forms - A new Enhanced DB Grid setting is available to specify the minimum character length for the filter bar to begin filtering values.

69. 05/24/2016 Form/Report/Label Designer - When using the "Document Custom EEPs" option, it would be helpful if all explanatory text comments are commented out by "{}" braces, to match what is displayed when reviewing the "Code" tab in the designers.

70. 06/08/2016 Form Wizard - When using the Form Wizard to create simple forms quickly, it puts the column name in a text field next to the column field. It would be helpful if an option was available to use the column comment, instead of the column name, for the text field.

71. 06/13/2016 ODBC - When adding a new row into an SQL Server database within the Data Browser, the Autonum column will be displayed when moving out of the new row.

72. 06/17/2016 Forms - New "Popup Menu" support has been implemented for List View, DB Lookup List View, and Var Lookup List View controls, to offer a right click popup menu to run procedures.

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73. 06/21/2016 File Gateway - Added ONLY_TABLE option to the File Gateway Dialog predefined options, to restrict table access, but still allow choices of import/export targets

```
GATEWAY IMPORT OPTION DEFAULT_EXISTING_TABLE Customer +
|ONLY_TABLE Customer
```

74. 06/21/2016 File Gateway - Support has been added to allow import and export data exchange for the JSON format.

75. 06/21/2016 R:Style - It would be helpful in code conversions to have R:Style expand instances of "SET V" to "SET VAR".

76. 06/28/2016 Commands - The RECALAC VARIABLES command has been enhanced to include an optional variable list, to perform a recalculation on a target variable or set of specified variables.

```
RECALC VARIABLES vTargetPrice, vShippedQuantity, vDiscountedRate
```

77. 07/06/2016 Commands / File Gateway - In order to make R:BASE more consistent with the formatting performed with the UNLOAD for a CSV file, the GATEWAY EXPORT/IMPORT ESCAPE_QUOTES setting is now ON by default.

78. 07/11/2016 Database Explorer - When copying an external form file, it would be helpful to have the same autonaming that is supplied when copying a database.

79. 07/12/2016 Settings / R:BASE On-Screen Keyboard - An "Input Language" setting has been added to alter the keyboard input language within R:BASE. Keyboard types for languages and custom setups are available. Languages can also be specified using a language name or an 8-digit input locale with the PROPERTY command.

Example 01: To use a named language for Russian:

```
PROPERTY APPLICATION INPUT_LANGUAGE RUSSIAN
```

Example 02: To use the 8-character locale for Albanian:

```
PROPERTY APPLICATION INPUT_LANGUAGE 0000041C
```

80. 07/22/2016 Forms - A new "OnClickEPP With Mouse Only" setting has been added for List Box controls to fire the event only with mouse clicks, and not arrow key selections.

81. 07/25/2016 Commands - A new TAB_NAME parameter has been added for GATEWAY EXPORT processes to the XLS format, to specify the label for the first tab on the spreadsheet.

82. 07/28/2016 Forms/Reports/Labels - During the Form, External Form, Report, or Label Runtime, using the Ctrl+Alt+I brings up the information box with [OK] button. Then, you can use the [Ctrl+C] to copy that information to the clipboard, etc., and then paste on to whatever.

It would be nice to add a new button with an option to Copy, similar to what we already have implemented when an -ERROR- message is displayed. Clicking on that button will copy that information to windows clipboard.

83. 07/29/2016 Data Designer - When performing a table/column rename, where R:BASE encounters form corruption, the routine was enhanced to display a warning and continue processing.

84. 07/29/2016 Forms - New Delay Filter property and Delay Duration (ms) Enhanced DB Grid properties to enforce a wait time for each keystroke (or filter change) before the filter is implemented. The timer is reset every time a key is pressed. It is important to not apply the filter immediately after every keystroke. The default value is 300, and can be adjusted for different filter scenarios.

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85. 07/29/2016 Forms - When loading forms into a database, where R:BASE encounters form corruption, the routine was enhanced to display a warning and continue processing.

86. 07/29/2016 Forms - An added "filtering" setting is available for Enhanced DB Grid controls to display a hour glass cursor, to indicate processing and to possibly avoid end users having the impression the form is unresponsive.

87. 08/01/2016 Form Designer - New Enhanced DB Grid functionality has been added to change all (or multiple) column properties at once. New to the Column Properties dialog are check boxes in the sections or fields. Add a check the field/group to edit. The properties for checked items are applied. The properties for unchecked items are untouched.

Prior to this enhancement, a font change would require modifying the column properties individually for each column in the grid.

88. 08/03/2016 Forms - If there are fields on the form of which some of them are locked and some of them not you have to check field by field to find out what to do to have it locked or unlocked.

The logic to Lock/Unlock controls has been updated. The status of menu item will be CHECKED if all items are Locked. If it is mixed or all unlocked then status us UNCHECKED.

Also, clicking the menu item will not toggle the Locked status individually but instead as a group. This means if menu item is shown as checked, clicking it will set the Locked status to UNLOCKED. If menu item is shown as unchecked, clicking it will set the Locked status to LOCKED. The previous behavior was to toggle each locked status individually, meaning if 5 is LOCKED and 2 is UNLOCKED, clicking the menu item will result to 5 items UNLOCKED and 2 items LOCKED.

89. 08/08/2016 Data Designer/Settings - Could there be a more prominent warning when creating a new table and the database is set with STATIC on? Right at the beginning when a new table is clicked would be perfect.

90. 08/08/2016 Blob Editor - Please allow the ability to show only "zoom options" for a displayed image in the BLOB Editor, allowing users to only view, zoom, and close a launched image.

An new PROPERTY command parameter has been added that can be implemented before the BLOB Editor or Data Browser is displayed. Setting the property to ON displays only zoom options.

```
PROPERTY APPLICATION RBBEDIT_GRAPHIC_ZOOM_ONLY ON
```

91. 08/09/2016 BLOB Editor/Settings - Please implement a default "Zoom" setting when the BLOB Editor displays an image.

92. 08/10/2016 Form/Report Designer - It would be helpful to have the ability to toggle between the common Arrow-style Cursor to a Cross-Hair Cursor to enhance visual alignment of objects.

Within the designers, the new hot key combination is [Ctrl+Shift+C].

93. 08/10/2016 Commands - When manually exporting data to a spreadsheet, the Excel computed columns appear as calculated values. But using the GATEWAY command, the computations display rather than the computed values.

The GATEWAY XLSW option (Excel Workbook) has been updated to support the export of computed columns into spreadsheets.

94. 08/10/2016 Commands - It would be helpful if a calculated value could be used as the INITVAL in the CHOOSE command, to allow a combination of columns to be used.

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| 95. | 08/12/2016 | Commands/Data Browser - A new "ROW_NUMBERS" parameter has been added to the BROWSE and EDIT commands, which displays the record number in a column to the far left. The default value is set to OFF. The added parameter supports additional table display options for distributed applications.<br><br>BROWSE ALL FROM Customer OPTION ROW_NUMBERS ON |
| 96. | 08/15/2016 | Forms - A custom background color and font (name, style, size, effects, color) has been implemented for the column headers and column details for Variable/DB Lookup List View controls. |
| 97. | 08/22/2016 | Forms - Within form designer when saving a file to external location (for debugging as an example), when I save the file the option of the file type extension I've added to "RBASE" syntax scheme is not present. This is a minor annoyance, as what I do is simply drill down to "All files", then type the new extension I've added. However, in the internal editor the file type extension is available. For consistency and a bit more efficiency in design mode, I'd like to see the file extension added to the RBASE syntax scheme. |
| 98. | 08/23/2016 | Commands/Settings - The FEDDBACK ON provides the system variables RBTI_RowsInserted, Deleted and Updated and elapsed time. I'd like to know how many rows were inserted from an external file in a piece of code without displaying the feedback.<br><br>A new PROPERTY command parameter has been added to display the FEEDBACK results from the last INSERT, UPDATE, or DELETE.<br><br>PROPERTY APPLICATION GET_LAST_FEEDBACK ' ' |
| 99. | 08/24/2016 | Form Settings - The Document Custom EEPs feature should (at least optionally) not produce an indented listing, so that each EEP can be directly copied from that listing and pasted to its target without further editing.<br><br>A new "Indent In Document Custom EEPs" setting has been to Form Settings, which specifies if code is indented within the Document Custom EEPs output. |
| 100. | 08/24/2016 | Form Designer - Every control but for the base form itself, when selected, is complemented by a control attribute list at the bottom of the screen. When selected, the base form receives: 'No Object Selected'. |
| 101. | 08/24/2016 | Database Explorer/Settings - Within the Database Explorer Settings, can the "Open Group After Connecting" option be expanded to include External Forms, Applications, and Command Files. |
| 102. | 09/02/2016 | Utilities - An added "Scratch Pad" utility has been implement to increase productivity during active development. The scratch pad can hold any text that is frequently used or wanted to use as reference during development. The Scratch Pad utility window can be positioned several different ways to not obstruct R:BASE use. Global and Database tabs are available for database-specific or global development. The Scratch Pad is available from the Utilities menu bar option, and can be displayed with the [Ctrl+F11] key combination. |
| 103. | 09/06/2016 | Data Designer - The user interface for creating new Key/Indexes has been enhanced to more easily add constraints for tables and columns whose names are more than 18 characters. The dialog can now be resized, the "Referenced" combo boxes will display the full text of contents, and hints in the combo box were set to the selected item. |

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| Item | Date Fixed | Description |
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| 01. | 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. |
| 02. | 09/28/2015 | File Gateway - When the dialog comes up to select the Export data format, two listings for Microsoft Excel are identical, even though the second choice correctly specifies *.XLSX and the first *.XLS |
| 03. | 09/28/2015 | Data Browser - The Data Browser Search does not find any results, and just goes to the first row of the table/view. |
| 04. | 09/28/2015 | Settings - When altering the R:BASE icon sizes, "Settings > StartUp Options" > "Use Small Icons in Menus and Toolbars", icons do not resize in the Report/Label Designer. |
| 05. | 10/05/2015 | Forms - When using TRACE through form controls, the DB Check Box is not accessible. |
| 06. | 10/05/2015 | Forms - When you press the first letter of any of the items in a Variable User Defined Combo Box, it should populate the control. It does not. You have to click down arrow and select by mouse or cursor to select. |
| 07. | 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. |
| 08. | 10/05/2015 | Forms - When altering the Tab Order for controls listed within a Scrolling Region, the Tab Order Settings dialog is empty. |
| 09. | 10/05/2015 | 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. |
| 10. | 10/06/2015 | 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. |
| 11. | 10/06/2015 | Commands - When selecting BOOLEAN data from a table with the <> operator, unexpected results are returned. |
| 12. | 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. |
| 13. | 10/07/2015 | Reports/Labels - When printing a report variable containing the copyright character ©, a UTF-8 BOM value, the variable is not defined correctly. |
| 14. | 10/10/2015 | Functions - When using the IFEQ function to compare values an incorrect error is displayed, and does not allow the proper use of the function. |
| 15. | 10/11/2015 | Data Designer - When adjusting the NOTE to WIDENOTE columns in R:BASE X Enterprise, the expected relational WIDENOTE data type was not accepted for a common column name in the Data Designer. |
| 16. | 10/15/2015 | Commands - If an invalid TIMEOUT value is defined, R:BASE does not provide an error. The current range is 0 to 1440. |

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| 17. | 10/19/2015 | Commands - When using the CHOOSE command to capture a value, an incorrect value is returned for the selected item. |
| 18. | 10/19/2015 | R> Prompt - If the Command History toolbar is closed, a blank message is displayed. |
| 19. | 10/20/2015 | Error Messages - It appears the queue for error messages is slightly off. 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. |
| 20. | 10/21/2015 | Settings - When displaying data from a view, the sequence of data does not match the column sequence when the COLCHECK setting is toggled. |
| 21. | 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. |
| 22. | 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. |
| 23. | 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. |
| 24. | 10/27/2015 | Form/Report Designer - When selecting to "Document Custom EEPs" to an output file, the dialog box button reads "Open" but should read "Save" since you are saving the information to a file. |
| 25. | 10/28/2015 | Settings - R:BASE allows the creation of temporary and permanent table when a database is connected in read-only mode. |
| 26. | 10/28/2015 | Variables - When using VARCHAR with a "dotted" variable, R:BASE does not correctly interpret the actual variable contents. |
| 27. | 10/30/2015 | Forms - When running a form in Enter mode where a Scrolling Region is assigned as a slave table, the region is populated with data when the form is launched. |
| 28. | 11/03/2015 | Forms - A Variable Lookup Combo Box does not result the expected results when MAKECLICK is used. |
| 29. | 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. |
| 30. | 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. |
| 31. | 11/05/2015 | Form Designer - When the Object Inspector and Object List toolbars are displayed, the mouse wheel scroll behavior is incorrect. |
| 32. | 11/06/2015 | Form Designer - In the list of single-click conversions to "enhanced" form controls, the "Convert to Enhanced Group Box" option for Group Box controls is missing. |
| 33. | 11/06/2015 | R:BASE Editor - If I a single big file (764MB) in R:BASE Editor, the file opens, but after closing the file using the "Close File" button, the editor stays open with a blank code screen. |
| 34. | 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. |

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| 35. | 11/09/2015 | Commands - When loading data into a database that is larger than 21 GB, a "Resources Unavailable..." error message is displayed. |
| 36. | 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. |
| 37. | 11/10/2015 | Commands - When using the LIST command, there is a certain sequence where an error message showed for the incorrect table. |
| 38. | 11/16/2015 | Forms - A Form Opening Behavior like "Explode From Center" will overwrite the caption layout when the PROPERTY APPLICATION NATIVE_FORMS 'ON' setting is used. The caption is represented in standard blue background instead of white. |
| 39. | 11/16/2015 | Commands - When performing an AUTOCHK with a large database the process does not complete. |
| 40. | 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. |
| 41. | 11/17/2015 | Report Designer - When the designer is open, and Existing tab of the Object List toolbar is displayed, switching to another R:BASE tab and back again produces an layer (?) where the bottom portion of the panel is hidden behind an area and is not visible. |
| 42. | 11/17/2015 | Settings - When using the German operating system locale, the TOLERANCE setting is displayed as 0,,. |
| 43. | 11/17/2015 | Settings / Commands - The code in the PACK command processing does not execute when the "ON BEFORE PACK" database event is defined. |
| 44. | 11/20/2015 | Forms - When running a form using an Open Behavior, errors are displayed for the PROPERTY commands reporting the Component IDs are not recognized. |
| 45. | 11/20/2015 | Settings - When performing a settings unload from the registry (Settings > Registry Settings > Save), all settings except for the Data Browser Font and color settings were transferred. |
| 46. | 11/20/2015 | Commands - When VARCHAR text data is SELECTed into a NOTE variable, the data is truncated to 20 characters. |
| 47. | 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. |
| 48. | 11/24/2015 | R:Style - When checking the command syntax, UINOTIF is not recognized as a valid setting. |
| 49. | 12/01/2015 | Forms - When displaying a sum value within the footer of an Enhanced DB Grid, the value is not using the defined format of the database settings. |
| 50. | 12/01/2015 | BLOB Editor - A noticeable time difference is encountered when launching VARCHAR data in the BLOB Editor. |
| 51. | 12/03/2015 | Functions - The LTRIM function does not trim the leading blanks for WIDETEXT data type columns. |
| 52. | 12/03/2015 | Functions - When using the SLEN function on a NULL value for a WIDETEXT column, the expected value of zero is not returned. |
| 53. | 12/09/2015 | Report Designer - After leaving a toolbar floating in the designer, and switching to another R:BASE module (R> Prompt, R:BASE Editor, etc.) using the mouse and clicking on the tabs, the floating toolbar is no longer visible when returning to the Report Designer. |

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| 54. | 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. |
| 55. | 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. |
| 56. | 12/15/2015 | Forms - When DB Memo and DB Label controls are placed within a Scrolling Region, the display for the unselected rows match what is listed in the selected row. |
| 57. | 12/17/2015 | Commands - When using the WRITE command to write VARCHAR variable data to a file, an error is displayed. |
| 58. | 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. |
| 59. | 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. |
| 60. | 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. |
| 61. | 01/07/2016 | R:BASE Editor - If an incorrect password is entered for an encrypted file, or if the Cancel button is pressed, the tabs lose a valid opened file, when several files are open. If no files are open, the tab screen becomes a blank gray area. |
| 62. | 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. |
| 63. | 01/07/2016 | Forms - When the cursor focus lands on a field, either by the [Tab] key or by clicking and highlighting the field, when typing in a new value to replace the existing, R:BASE does not overwrite the existing highlighted value. Instead, R:BASE insert the new number value in front of the existing value. Users must re-select the values, delete it and then enter the new value have the correct value. |
| 64. | 01/07/2016 | R:BASE Editor - After a file is encrypted, then opened, the password dialog width is not large enough for the text. |
| 65. | 01/07/2016 | R:BASE Editor - With one or more files opened in the R:BASE Editor, an empty space appears between the toolbars and tabs when switching between tabs. |
| 66. | 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. |
| 67. | 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." |
| 68. | 01/18/2016 | Forms - The Office Button caption alignment on the property editor has no effect, as it is centered automatically. |
| 69. | 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. |
| 70. | 01/18/2016 | Functions - The IHASH function in the latest engines is not working as expected, and is always returning 0. |

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| 71. | 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. |
| 72. | 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. |
| 73. | 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. |
| 74. | 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. |
| 75. | 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. |
| 76. | 02/02/2016 | Forms - When using a form with scrolling region based upon a slave table, an insert into the slave table does not load the common column. |
| 77. | 02/02/2016 | Functions - When using the IFEQ function, unexpected results are returned, specifically with R:BASE X Enterprise. |
| 78. | 02/08/2016 | Forms - When a DB Grid is converted to an Enhanced DB Grid the custom column background settings are not visible as the "Theme Aware" property is checked, and the Grid Style is set to "Custom". |
| 79. | 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. |
| 80. | 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. |
| 81. | 02/11/2016 | ODBC - Attaching a data source name containing foreign characters does not operate. |
| 82. | 02/11/2016 | Database Explorer - When using normal foreign characters like Ã„Ã–ÃœÃ¶Ã¼Ã€Ã‰Ã‚Ã Ã©Ã¨ÃŸ, the display is not visually correct. |
| 83. | 02/12/2016 | ODBC - Using the SATTACH with a table containing foreign characters in the column name does not display correctly. |
| 84. | 02/12/2016 | ODBC - Using SCONNECT to other R:BASE database using ODBC returns different behavior and visualization of foreign characters. |
| 85. | 02/13/2016 | Commands - Querying text values that include foreign characters are not returning the expected results. |
| 86. | 02/16/2016 | Forms - After adding a Command Name to Layout > Custom Form Actions > Add, and then do not enter any code with the command, then position the command in any position above the last position, it will cause instability with altering Custom Form Actions. |
| 87. | 02/17/2016 | Database Explorer - Upon a fresh install of R:BASE, the Database Explorer appearance is not legible with black background and black text for the menus. It is required to force the defaults for the R:BASE X Appearance Settings. |

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| 88. | 02/26/2016 | Commands - When Cascade Update or Cascade Delete is individually assigned for a primary key table, the unloaded table structure is incorrect. |
| 89. | 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. |
| 90. | 02/29/2016 | Reports - When printing a report with an Advanced DB Rich Edit object, the data will not display unless the PRINT command only selects the rows with data in those columns. |
| 91. | 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. |
| 92. | 02/29/2016 | Database Explorer - When I go to Forms from the Explorer and select New Form, the Dialog box opens and where "Use Form Wizard" used to be now shows "Reset Version", after an existing form has been copied. |
| 93. | 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. |
| 94. | 03/01/2016 | Commands - When entering the FORMS command at the R>, the External Form Designer initial dialog is launched. |
| 95. | 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. |
| 96. | 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. |
| 97. | 03/03/2016 | Commands/Data Browser - When using BROWSE with aggregate functions on a REAL columns, the generated results display as DOUBLE data type. |
| 98. | 03/03/2016 | ODBC - When using the SATTACH command with blank ALIAS values, the table attaches with invalid column names. It is expected to use the existing data source table columns for the new table. |
| 99. | 03/03/2016 | Data Designer - A "Resource unavailable ..." warning appears when deleting a column in a table where the database has "ON" triggers stored. |
| 100. | 03/07/2016 | Commands - The SHOW VAR with a wildcard does not return the expected results. |
| 101. | 03/07/2016 | Settings - When using the LINEEND setting Ã¾ that carries over from older R:BASE versions, the actual character is not recognized. |
| 102. | 03/07/2016 | File Gateway - When using Gateway Export XLSW, numeric results with decimals are incorrectly rounded. |
| 103. | 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. |
| 104. | 03/10/2016 | Forms - The Collapse Panel has been updated with "anchor checks" to assist with the use of applying anchors upon the control. |
| 105. | 03/11/2016 | Commands - When using IFEQ within a computed column, it produces either a FALSE or TRUEE with 2 Eâ€™s, which is not expected. The expression should produce either TRUE or FALSE. |

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| 106. | 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. |
| 107. | 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. |
| 108. | 04/05/2016 | Commands - When using BROWSE with a LEFT OUT JOIN within the syntax and enclosed in parenthesis, an error is displayed. |
| 109. | 04/06/2016 | Forms - The result of a function (count, sum, etc. ) in the Enhanced DB Grid footer displays an incorrect format for the database settings, or if a custom format is defined in the form settings. |
| 110. | 04/18/2016 | Forms - When using the PROPERTY APPLICATION NATIVE_FORMS ON setting, the variable value when using the Form "Dynamic Caption" setting does not appear in the caption bar. |
| 111. | 04/19/2016 | Forms - The Office Button ControlType properties, to alter the display, are not interpreted as R:BASE (plain English) properties. The ControlType properties are only recognized when preceded with "bs". |
| 112. | 04/27/2016 | Forms - The Simple Status Pane on the Status Bar does not display hints when "Auto Hint" is checked. |
| 113. | 05/02/2016 | Commands/Data Editor - Using EDIT with AS for the alias of column names, the Data Editor fails during the storing of a new record, and an insert is not possible. |
| 114. | 05/02/2016 | Commands - When using special characters within the CHOOSE command, invalid values are returned. |
| 115. | 05/02/2016 | Commands - When using WRITE to write VARCHAR data to a file, R:BASE stops processing. |
| 116. | 05/02/2016 | Commands/Variables - When using special characters within concatenated variables, CHOOSE, and PAUSE commands, the output is incorrect. |
| 117. | 05/05/2016 | R:BASE Editor - When highlighting code in the R:BASE Editor and dragging it to a new location, the code moves but each letter is separated by a space. |
| 118. | 05/06/2016 | Error Messages - When an error is encountered on a computer with high display settings, the "Suppress Error Message" text is shown with the characters cut in half. |
| 119. | 05/06/2016 | Forms - There is a difference in the display of themes for a Menu Bar control in forms, where the menu items are using a bigger font and increased spacing, resulting in menu items being pushed far to the right and lost. |
| 120. | 05/10/2016 | R:BASE Editor - When launching R:BASE Editor where a file named "untitled" with no extension is in the startup directory, the "untitled" file contents are displayed. When trying to create a new file, the "untitled" file contents is again and again in the new tabs. |
| 121. | 05/13/2016 | Forms - The EEP code for existing drag and drop enabled controls is not available within the right click speed menu. |
| 122. | 05/16/2016 | Help Files - The LINEEND entry in the help file has a broken link for the "Data Browser" text. |
| 123. | 05/19/2016 | Settings - After setting LINEEND to the Ã¾ [Alt+0254] character and restarting R:BASE, the displayed character is incorrect. |
| 124. | 05/19/2016 | Conversion - If a converted database contains foreign characters in column names, the AUTOCHK detects an issue after the conversion. |

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| 125. | 05/20/2016 | Conversion - When converting a 9.5 (64) database to X Enterprise, the OWNER password is not recognized. |
| 126. | 05/20/2016 | Commands - When sending email through R:Mail, and including an apostrophe in the message, an extra apostrophe and spacing issues are encountered. |
| 127. | 05/23/2016 | Database Explorer - When the "Show Slave Tables" setting is enabled, the caption bar's database path and connection status is not current for the actual database status. |
| 128. | 05/24/2016 | Commands - When comparing REAL data type values that use greater than seven for precision within the condition of an IF/ENDIF control structure, the results were unexpected. |
| 129. | 05/24/2016 | Commands - After UNLOADing DOUBLE data type values holding scientific notations, loading the data back into the table encounters the "-ERROR- Column must be a valid DOUBLE (122)", ultimately resulting in lost rows. |
| 130. | 05/27/2016 | Data Dictionary - When I click on the System Columns tab and select any of the system tables, it does not display the columns for the system tables. |
| 131. | 05/27/2016 | Commands - The OUTPUT command with the ENCRYPT password option supports a 512-bit encryption method to obscure output information, making it unreadable without R:BASE and the decryption password. However, when an output file also includes an accompanying file, such as ".LOB", the .LOB file is created as ASCII, and is not encrypted. |
| 132. | 06/02/2016 | Commands/Data Browser - When launching the Data Browser using the BROWSE command, system variables are represented as NOTE when included in the query portion of the syntax. When adding a calculation with the system variables, the data type values are displayed correctly. |
| 133. | 06/02/2016 | Database Explorer - When trying to connect a database which is not available because of a STATICDB setting, R:BASE closes unexpectedly with the "File open" dialog. |
| 134. | 06/02/2016 | Codelock - After a command file is opened and saved, the file can no longer be codelocked. |
| 135. | 06/03/2016 | Forms - If a Component ID contains foreign characters, commands upon form controls do not perform as expected. |
| 136. | 06/13/2016 | ODBC - When a user deletes a row from a SQL Server database using the data browser, then pressing F9, the error "Internal lock error. Have all users disconnect...." is displayed, but the row is deleted when re-entering the browser. |
| 137. | 06/17/2016 | Commands - When using the TALLY command with WIDETEXT values, the results do not properly display. |
| 138. | 06/17/2016 | Settings - When using the RBADMIN setting to ON, where multiple instances of R:BASE on the same computer are launched, one session will abruptly close with no message or warning. |
| 139. | 06/21/2016 | Commands - A false error code can be generated where the error variable is set, and a failed lookup sets the error variable to 2059, followed by a successful lookup where the error variable remains at 2059. |
| 140. | 06/28/2016 | Commands - When displaying the WHERE Builder with a theme through the CHOOSE command #WHERE parameter, the background for the top panels show a transparent background. |
| 141. | 06/28/2016 | Application Designer - When using a dynamic WHERE Clause in the Application Designer (.rba) file, the displayed message prompt does not respond to clicking on the "Cancel" or "X" buttons. |
| 142. | 06/29/2016 | Forms - If a Custom Form Action name contains a foreign character, an error is returned calling the action. |

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| 143. | 06/29/2016 | Commands - When using UNLOAD AS CSV where a text value had an embedded comma, R:BASE would enclose the whole text in quotes and double any embedded quote characters, but if the text value did not have an embedded comma, R:BASE did not enclose the whole text in quotes, nor did R:BASE double any embedded quote characters. This has been fixed so that text values with embedded quotes will be enclosed in quotes and have double any embedded quote characters, regardless of whether there were embedded commas or not.<br><br>Before the fix, data would unload like this:<br>"Smith, Fred",Fred "Red" Smith<br><br>After the fix, data unloads like this:<br>"Smith, Fred","Fred ""Red"" Smith" |
| 144. | 07/05/2016 | Commands - When using the LAUNCH command with external files containing foreign characters in name, the file is not opened. |
| 145. | 07/05/2016 | Forms - Within a Custom Form Action, the action fails creating a SET VAR command containing foreign character in the name. |
| 146. | 07/06/2016 | Functions - The CVAL function for PRN_STATUS does not properly detect the online/offline status for the current printer. |
| 147. | 07/07/2016 | Commands - The PRNSETUP INFO command does not properly detect the online/offline status for the current printer. |
| 148. | 07/07/2016 | File Gateway - When using the export with the JSON format, the data types are not the correct format, the field names are not properly escaped, and the use of the NULL identifier is not valid. |
| 149. | 07/11/2016 | Database Explorer - When copying any external form file (.rff), the file size of the copied .rff seems higher than the original .rff file. |
| 150. | 07/14/2016 | Settings - The Operating Conditions tab of the Configuration Settings has no tooltip/hint for the NOTE_PAD option. All other options have a tooltip/hint. |
| 151. | 07/14/2016 | Commands - Running multiple ALTER TABLE commands results in an error reporting "out of space". |
| 152. | 07/14/2016 | Settings - The help file for the Operating Conditions tab of the Configuration Settings dialog box has different information for the AUTOCONVERT choice than is displayed by the tooltip. |
| 153. | 07/15/2016 | Commands / ODBC - When trying to SCONNECT to another R:BASE database using a DSN-Less connection, an invalid password error displays even though the password is correct. |
| 154. | 07/21/2016 | Forms - When selecting the "Apply" button in the Property Editor for the Group Bar control, the changes are not saved as when pressing the "Change" button. |
| 155. | 07/21/2016 | Forms - When opening the Property Editor for a Group Bar control there is an overlapping list of items on the first (top) section. This appears to be new when the editor window became sizable. |
| 156. | 07/21/2016 | Data Designer - If you delete a column in the Data Designer, and the column is not the last (lowest) column, the comment shown for the next selected column does not update (the comment for the deleted column is still displayed). |
| 157. | 07/22/2016 | Commands - When running a SELECT ... LIMIT command where no results are found, R:BASE stops responding rather than displaying the appropriate warning message. |
| 158. | 07/22/2016 | Commands - When performing a series of SELECT... LIMIT commands, unexpected results are returned. |

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| 159. | 07/28/2016 | Commands - When renaming a table using the RENAME command an error message regarding the UPDATE command is displayed. |
| 160. | 08/04/2016 | Commands - When performing a SELECT or UPDATE using a table list with correlation names, R:BASE cannot find the expected rows if the correlation name for the one table happens to match the name of another table in the table list. |
| 161. | 08/08/2016 | Reports - I have a report that has several DB Memo controls set to be fully justified, but they display left justified. |
| 162. | 08/10/2016 | Data Browser/Forms - When we are entering data, sometimes in the Data Browser on an Enhanced DB Grid, and then we go to another row the new row will show as double. If I exit out and go back in, there is only one. |
| 163. | 08/12/2016 | Database Explorer - If the Comment column for a Table, View, Form, Report, etc. contains any of the following characters Ã„,Ã œ,Ã–,Ã¤,Ã¼,Ã¶, the comment text is preceded with a question mark character(?). |
| 164. | 08/12/2016 | Forms - When double clicking on the background of a form that contains a collapse panel, the property editor appears for the non-visible controls contained within the collapse panel. |
| 165. | 08/19/2016 | Reports - When printing an XLS report where cells overlap, the print process appears to be working but does not respond after many minutes. |
| 166. | 08/22/2016 | Commands - When using a "IF var IN ('varlist')" with extended characters, the expected result is not returned. |
| 167. | 08/22/2016 | Help Files - For the PRINT command within the help file, the syntax example for the RTF output option displays TRF rather than RTF. |
| 168. | 09/01/2016 | Form Wizard - When creating a new within the Form Wizard where the "Use Field Comment As Caption" setting is not checked, the resulting labels for each column do not use the actual column name. |
| 169. | 09/01/2016 | Database Explorer - When viewing the Database Explorer as normalized or using a monitor with lower resolution, all group bar options under "Forms" are not displayed, nor is there a scroll bar to see all options. |
| 170. | 09/07/2016 | Data Browser - If you do an "EDIT ALL FROM tablename", make a change to a field, and press [Esc] without leaving the field, I'm asked if I want to save my changes. Even if I answer "yes" it does not save it.<br><br>The issue was addressed for when a user opens the Data Browser and modifies a value within a row, then exits the window or uses [Esc] before the [Enter] key is pressed, to secure the changes to the value within the field. In this instance, a "Changes to the field were not saved." message will appear.<br><br>If the [Enter] key is pressed to secure the changes to the value within the field, then the window is closed or [Esc] is pressed, the "Save Changes?" dialog will appear. |

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