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What's New in R:BASE X

UPDATE 1

Official Release Version

Build: 10.0.1.20627

Requested Enhancements	09/24/2015 - 06/27/2016

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. 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: 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
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. In processing, the number of sub-images within a multi-image TIFF file can be captured, in order to assign a sub-image accordingly. 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. 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. 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 Commands - The command syntax for ON CONNECT/PACK and ON ERROR now supports the use of the AFTER keyword for "ON" database events.

20. 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.

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 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'
```

24. 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.

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 Forms - A new "On Caption Click" EEP has been added to the Collapse Panel control.

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 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.

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 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))
```

35. 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.

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	Database Explorer - A "Database Events" menu item has been added to the "Databases" options, for easier use.
52.	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.
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	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.
55.	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?
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. 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	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.
60.	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?
61.	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.
62.	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.

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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	R:Style - It would be helpful in code conversions to have R:Style expand instances of "SET V" to "SET VAR".
75.	06/21/2016	File Gateway - Support has been added to allow import and export data exchange for the JSON format.

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Item	Date Fixed	Description
01.	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.
02.	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.
03.	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.
04.	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
05.	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.
06.	10/05/2015	Forms - When altering the Tab Order for controls listed within a Scrolling Region, the Tab Order Settings dialog is empty.
07.	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.
08.	10/05/2015	Forms - When using TRACE through form controls, the DB Check Box is not accessible.
09.	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.
10.	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.
11.	10/06/2015	Commands - When selecting BOOLEAN data from a table with the <> operator, unexpected results are returned.
12.	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.
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	R> Prompt - If the Command History toolbar is closed, a blank message is displayed.
18.	10/19/2015	Commands - When using the CHOOSE command to capture a value, an incorrect value is returned for the selected item.
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	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.
22.	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.
23.	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.
24.	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.
25.	10/28/2015	Variables - When using VARCHAR with a "dotted" variable, R:BASE does not correctly interpret the actual variable contents.
26.	10/28/2015	Settings - R:BASE allows the creation of temporary and permanent table when a database is connected in read-only mode.
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 - 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.
29.	11/03/2015	Forms - A Variable Lookup Combo Box does not result the expected results when MAKECLICK is used.
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	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.
33.	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.
34.	11/09/2015	Commands - When loading data into a database that is larger than 21 GB, a "Resources Unavailable..." error message is displayed.

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35.	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.
36.	11/10/2015	Commands - When using the LIST command, there is a certain sequence where an error message showed for the incorrect table.
37.	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.
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	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.
45.	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.
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	Database Explorer - When using normal foreign characters like Ã„Ã–ÃœÃ¶Ã¼Ã€Ã‰ÃˆÃ Ã©Ã¨ÃŸ, the display is not visually correct.
82.	02/11/2016	ODBC - Attaching a data source name containing foreign characters does not operate.
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	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.
90.	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.
91.	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.
92.	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.
93.	03/01/2016	Commands - When entering the FORMS command at the R>, the External Form Designer initial dialog is launched.
94.	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.
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	Data Designer - A "Resource unavailable ..." warning appears when deleting a column in a table where the database has "ON" triggers stored.
99.	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.
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	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.
107.	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.
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 - When using WRITE to write VARCHAR data to a file, R:BASE stops processing.
114.	05/02/2016	Commands/Variables - When using special characters within concatenated variables, CHOOSE, and PAUSE commands, the output is incorrect.
115.	05/02/2016	Commands - When using special characters within the CHOOSE command, invalid values are returned.
116.	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.
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	Commands - When sending email through R:Mail, and including an apostrophe in the message, an extra apostrophe and spacing issues are encountered.
126.	05/20/2016	Conversion - When converting a 9.5 (64) database to X Enterprise, the OWNER password is not recognized.
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 - 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.
129.	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.
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	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.
133.	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.
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.

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