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What's New in R:BASE X

UPDATE 3

Official Release Version

Build: 10.0.3.20710

Requested Enhancements 08/01/2017 - 07/10/2018

Item	Date Implemented	Description
01.	08/04/2017	Forms - Additional page to page navigation options have been implemented where switching between pages/tabs of the tab controls is also possible by selecting a tab control then pressing [Ctrl+Page Up], [Ctrl+Page Down], and [Ctrl]+<Number>, where the number key is the appropriate tab page.
02.	08/07/2017	Forms - In the Custom Form Action Designer, the Description column width should be smart enough to expand to the maximum width in the list of items, or it should retain the setting for the last expanded column(s).
03.	08/08/2017	Forms - Support has been implemented to assign the focus on a specific cell in the Enhanced DB Grid filter bar. Syntax: PROPERTY ComponentID FOCUSTOFILTERCELL ColumnIndex The ColumnIndex is the zero based column index. Example: PROPERTY Customers FILTERS->COLUMN_NAME->CompNam 'A' PROPERTY Customers FOCUSTOFILTERCELL '0'
04.	08/10/2017	Data Browser/DB Grid Controls - When resizing the Data Browser window, or a form containing an Enhanced DB Grid, there is a behavior where the rows flicker.
05.	08/14/2017	Database Explorer - An enhanced "delayed loading" of all objects (tables, views, forms, reports, labels) has been implemented when connecting to a database. In the past, the objects were loaded immediately which can introduce overhead, especially if objects are compressed and slave tables are displayed. With the improved logic, these objects are read/loaded only when necessary and will improve CONNECT performance on databases.

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06.	08/16/2017	Forms - The "Native Appearance" option has been implemented for all theme aware form controls. The description for existing and new controls reads "Native Appearance" within the Attributes/Settings, whereas prior descriptions read "Theme Aware", where applies. The controls include the Push Button, Bit Button, Panel, Group Box, Time Picker, Enhanced Calendar, DB Check Box, DB Radio Button, DB Slider, DB Spinner, DB Time Picker, Drop Down Menu Button, Enhanced DB Grid, Enhanced DB Calendar, Variable Check Box, Variable Radio Button, Enhanced Variable Calendar, Variable Spinner, and Variable Time Picker.
07.	08/16/2017	Forms - Can a multi-object recognition be implemented for "Native Appearance" and "XP Style", for when selecting multiple controls, to apply/remove the effects for all common objects?
08.	08/16/2017	Settings - When CHECKPROP is ON and an error message occurs, the message has been enhanced to include the control/object type.
09.	08/22/2017	Forms/Commands - When opening and closing datasets, additional checks were added when evaluating variables against a dataset to fix possible scenarios which can result in R:BASE failing to respond.
10.	08/23/2017	Forms - Added "Show Task Bar Button" option for MDI forms, which places the form as its own entry in the Windows task bar, making it easy to switch between forms.
11.	08/24/2017	Query Builder - When working in the designer, and choosing "Select Column..." it would be helpful to have this dialog increased in size vertically, and additional perhaps sizable.
12.	08/28/2017	Forms - When you select all or a group of columns in a DB/Variable Lookup List View, you should be able to change the Column Title (Caption Header Color and Font) and Column Header and Font.
13.	08/28/2017	Form/Report/Label Designers - It would be helpful if the designers support a universal multi-level "Undo" option to restore any unintended changes.
14.	08/30/2017	Report/Label Designer - It would be ideal for the Advanced Rich Text Editor to remember the environment layout as it was last used.
15.	09/08/2017	Data Dictionary - When selecting a column in the Data Dictionary, it would be helpful to know additional column attributes, such as, Indexed, PK, FK, Computed, Autonum, Not NULL, etc.
16.	09/08/2017	File Gateway/Commands - There is not an option in the File Gateway to "append" to an existing file for spreadsheets, like there is for other formats. The Gateway XLS/XLSX Export process has been enhanced to support "merging" data to an existing file, and will add a new sheet to the spreadsheet.
17.	09/11/2017	Forms - Sequence Mode has been implemented for Enhanced DB Grid controls which specifies to assign a field which controls the sequence order of rows in the grid. When Sequence Mode is checked the column headers are no longer click-able, meaning users cannot sort the columns. The "Sequence Field" column should be an integer, and is expected to have a value. Sequence Mode requires Drag and Drop is enable for the grid.
18.	09/26/2017	Form/Report/Label Designers - When using the Format toolbars in the designer, it would be easier to locate and select fonts if the font list responded to a walkmenu type of behavior. For instance, pressing "c" and then "o" should bring the font selection list to "Comic Sans", "Courier", etc., but it goes to the o-letter fonts instead.
19.	09/28/2017	Settings - When the Configuration Settings dialog is opened, and the CFG file path across the top is longer than the dialog itself, please allow for a hint to appear when the mouse hovers over the caption, which will display the full path. In addition to the hint, the path can also be selected and copied to the clipboard.

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20. 09/28/2017 Expression Builder - Can the Expression Builder be updated to include an additional Data Dictionary button? Even though the [F3] key can be pushed, newer users may not know they can.

21. 10/03/2017 Menus - Throughout R:BASE, it is very hard to determine whether the "toggle" buttons/menu items are enabled/checked or not. It would be helpful to use a check box or some other method to easily differentiate between when an option is on or off.

All toolbar buttons and menu items have been updated to display an indicator to better recognize a toggle state in menus. An empty square is used for unpressed items and a filled square for pressed items.

22. 10/04/2017 Forms - The ability has been added to reference a column in the dataset for Enhanced DB Grid dynamic colors. Using square brackets "[xxx]" within the "Text Value/Expression" field, a column can be specified. For normal values, the field would be defined as "<=(50)". To reference a column, the field would be defined as" "<=([LowerLimitField])".

23. 10/12/2017 Forms - We have an Enhanced DB Grid option to display a date picker for date fields. It would be nice to have the same for time fields.

The Date/Time Picker in grids now supports date and time modes. When the same "Use Picker for DATE Fields" option is enabled, the time mode of the Date/Time Picker will be used for TIME data types.

24. 10/19/2017 Reports/Labels - Statistics are now available within report and label print operations to return the duration time, number of pages for the print routine, and output device. Statistics are generated with following defined variables before the print operation:

. RBTI_RSTAT_TIME - captures the generation time, in seconds
. RBTI_RSTAT_PAGES - captures the number of pages
. RBTI_RSTAT_DEV - captures the output device used (SCREEN, PRINTER, FILE)

Once the print process completes, the variables can be interpreted in the "After Generate" Report Action.

The following is an example of returned statistics.

```
RBTI_RSTAT_DEV   = FILE    TEXT
RBTI_RSTAT_TIME  = 6       INTEGER
RBTI_RSTAT_PAGES = 22      INTEGER
```

25. 10/24/2017 Form Designer - Added Form Preview utility in the designer to allow review of the an entire large form during active development, when the form is bigger than the work area. The Form Preview is like a toolbar, which can be visible or hidden. The preview is updated in real-time, as the form is edited. Users may click anywhere in the preview form, and the designer will scroll the designer to the approximate location that was clicked. Double click on the preview image to resize the form so the preview is "Fit to Size".

26. 10/26/2017 Form Designer - Added resize options within the Size Palette, for the object height and width to "Grow to Parent".

27. 10/30/2017 Form Designer - Managing an Enhanced Tab Control with the "Align" property as "Client", is very difficult to navigate "Tab Pages". It would be productive to enable all four (Next Tab, Previous Tab, etc.) options when right-clicking on the "Tab Page" also.

Another method to switch tabs is to select a tab page, press [Esc], and the use [Ctrl+n] where n is the tab number. Note that pressing [Esc] moves the selection to the parent control of the current selection, which in this case is the tab control. The [Ctrl+PageUp] and [Ctrl+PageDn] key combinations can also be used to switch between tab pages.

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28. 10/31/2017 Report/Label Designer - The Size Palette that is available within the Form Designer is not in the Report/Label Designer. It would be helpful to have this utility when right clicking on a group of objects.

29. 11/01/2017 Forms/Reports/Labels - Added alignment options to "stack" objects left, right, up, and down in the Form/Report/Label Designers.

30. 11/02/2017 Utilities - When the Magnifying Glass utility [Ctrl+Alt+M] is open, can the magnification be increased/decreased with [Ctrl]+<mouse wheel>, to zoom in and zoom out?

The Magnifying Glass has also been enhanced with an added "Follow Mouse Cursor" option when right clicking upon the magnifier. When checked, the magnifier will magnify the area around the mouse, wherever the mouse is. This is useful when editing forms/reports with controls very close to each other. The magnifier can be placed in the bottom left so it is out of the work area and not interfere with the designer. The Magnifying Glass also includes an increased maximum height and width, along with persistent position and size.

31. 11/03/2017 Database Explorer - When running a form or printing a report/label, the "WHERE History" dialog is available when pressing [F5] to recall last typed WHERE Clause history. It would be nice to implement the same feature when opening tables/views, when the "Use Dialog to Open Table/View" Database Explorer setting is enabled.

32. 11/24/2017 Commands - Using EMAIL ON with EMAIL_SHOW_DIALOG ON can there be way to determine if the user has clicked on "OK" or "Cancel"?

An added return variable has been implemented after the EMAIL_SHOW_DIALOG is shown, RBTI_PRN_EMAIL_DLG, which will be defined and set with "OK" when the OK button is selected. Otherwise, it is set as "CANCEL".

33. 11/27/2017 BLOB Editor/Commands - When double clicking on a VARCHAR field on a form, the BLOB Editor | Rich Text page is displayed with the default font as "Arial 10". Is there a way to control the default font?

Additional PROPERTY command parameters have been introduced to alter the default font for the RTF page of the BLOB Editor:

```
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_NAME 'Value'
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_SIZE 'Value'
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_COLOR 'Value'
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_BOLD <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_ITALIC <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_UNDERLINE <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_STRIKEOUT <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_NORMAL ' '
```

The commands will update the default settings, so values passed are "saved" once the BLOB Editor is closed. The DEFAULT_RTF_FONT_NORMAL parameter uses a normal font for the RTF page, removing any bold, italic, underline, and strikeout style in place.

When opening the BLOB Editor using the RBBEDIT command, the PROPERTY commands must be executed first, before launching the BLOB Editor. When opening the Data Browser using the BROWSE/EDIT commands, the PROPERTY commands must be executed first, before launching the Data Browser.

Example:

```
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_NAME Arial
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_SIZE 10
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_COLOR Maroon
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_BOLD ON
```

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34.	12/01/2017	Commands - It would be nice if the DIALOG "message" was not limited to 512 printable characters. The limit is now 2000 characters for the DIALOG message.
35.	12/04/2017	Report Designer - Please increase the size of the "Paper Tray" list box on the Page Setup > Paper Source tab. There are several items listed, but only three are visible at a time, with a lot of room for a larger list box.
36.	12/19/2017	Form/Report/Label Designers - When working with additional tables for forms and reports, the (Designer > Main Menu > Tables ...), the default display of dialog window is always small and must be resized when using long table names. Please allow R:BASE to remember the previous size and location.
37.	01/18/2018	R:BASE Editor - After altering a file in the R:BASE Editor and not saving the changes, opening and selecting the same file results in the file being reloaded and the changes are lost. It would be helpful if a warning was displayed.
38.	01/23/2018	Forms - When searching column names forms, is it possible to locate references in the other areas? In reviewing forms that were searched and updated using the "Find In..." utility, there were still areas where the search did not detect instances of the searched criteria, specifically in DB Grids.
39.	01/24/2018	BLOB Editor - Having just inadvertently lost quite a lot of text I entered using the R:BLOB Editor when I clicked on the CANCEL button by mistake, I was wondering if you would consider adding an 'Are You Sure ?' dialog to the button (or providing this as a user selectable option).
40.	01/25/2018	Expression Builder - In the Expression window of Add/Edit Variables in Forms/Reports, the four columns (Variable Name, Variable Type, Variable Expression and Section) reset each time the dialog is closed and reopened. It'd be more productive if the settings were saved.
41.	01/26/2018	Commands - A new GETPROPERTY parameter is available to determine if the R:BASE session is launched in a remote desktop environment. The defined variable value is TRUE if running R:BASE in a remote session. Otherwise, the variable value is FALSE. GETPROPERTY APPLICATION REMOTESESSION vIsRemote
42.	01/29/2018	Menus - R:BASE has been updated to where positioning of program forms (windows, dialogs, etc.) now use the center "work area" rather than the center "screen area". The work area refers to the area in the screen not covered by the task bar (or other task bar type desktop gadgets). The screen refers to the entire screen. The change allows for forms to appear correctly for non-standard desktops (e.g. fat task bars or multiple task bar gadgets). Note that this change affects all forms except R:BASE Forms and External Forms.
43.	01/29/2018	Forms - A new "Center In Work Area" setting has been added for form and external form properties within the "New Form Behavior" tab, which specifies the form is centered in the area not covered by the task bar. The functionality allows for forms to remain centered on non-standard desktops (e.g. large task bars or multiple task bar gadgets), which may be otherwise appear partially hidden.
44.	01/31/2018	Data Browser - When "Export Results to" and a file format is selected, please add the "table name" as the default file name value, for the "Save As" dialog.
45.	01/31/2018	Forms - Since Static Text in forms can be quite long, and a word wrap option exists, can there be a larger multi line editor for the caption? Perhaps a button which opens a dialog to see a long string?
46.	01/31/2018	R> Prompt - While coping a file at the R> it would be nice to be prompted before replacing an existing file like when using the OS command prompt. With the OS, a prompt appears requesting to overwrite.

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47. 02/12/2018 Commands - When displaying a message string which contains an ampersand for the DIALOG and PAUSE commands, the ampersand is treated as an accelerator character and is displayed as an underline. If you are manually constructing the string, it is possible to add an additional "&" to fix the display. But, if that string is a part of a concatenated variable and text, such as customer name that includes "&", it must be handled accordingly.

A new MESSAGE_SHOW_ACCELERATOR_CHAR 'ON/OFF' option has been introduced for the DIALOG and PAUSE commands to control the accelerator character display within the message. The default is ON, to not interfere with existing applications.

48. 02/28/2018 Database Explorer - When using the "Find in > Control Properties" searches, R:BASE does not locate EEP file names referenced in the Table Settings for a form. Can the search be enhanced?

49. 03/06/2018 Commands - There does not seem to be a way to APPEND ANSI-encoded text to files? The command allows either APPEND or ANSI, not both. There is a similar issue with the CHECK keyword, where both CHECK and ANSI cannot be used together.

The logic in the OUTPUT command has been enhanced to allow for multiple "modifiers". These modifiers are applied to the file specified and can now be in any order. This means that you can now specify something like this:

```
OUTPUT Myfile.txt APPEND ANSI

OUTPUT Yourfile.txt ANSI CHECK WITH SCREEN

OUTPUT hidden.txt ENCRYPT secret CHECK WITH SCREEN
```

50. 03/07/2018 Forms - When a value for an Enhanced DB Grid column's custom color is defined for "<(.#DATE)" values, and the column value is NULL, it is treated as <(.#DATE). Please allow for "IS NULL" and "IS NOT NULL" values to be interpreted for such data.

The Enhanced DB Grid "Dynamic Colors" now accept "=(NULL)" and "<>(NULL)" for the Column properties to recognize NULL and NOT NULL values.

51. 03/09/2018 Settings - A new ANSIOUTPUT setting has been implemented, which when ON, the ANSI modifier does not need specified for OUTPUT commands. The output file will be creates as an ANSI file where applies. If you specified the UTF8 modifier on the OUTPUT command, it will take precedence over the ANSIOUTPUT setting. The default value is OFF.

```
SET ANSIOUTPUT ON
```

52. 03/09/2018 Menus - When I have two copies of R:BASE open on two monitors, and I'm designing a form on monitor #2, all the pop-up windows appear on monitor #1. For instance, if I open object properties, the properties screen is on the other monitor, over-laying my other copy of R:Base, and I quickly become confused. Could all design-time pop-up windows open on the same monitor as the main window of the R:BASE session?

A new Form Default Setting and APPLICATION PROPERTY has been added to center property editors in the R:BASE main form. The setting is helpful in multi-monitor environments to place the editor dialog with the appropriate R:BASE session. When OFF, the property editor's last position is persisted.

```
PROPERTY APPLICATION CENTER_EDITORS_IN_MAIN_FORM ON/OFF
```

53. 04/05/2018 Functions - A new (CVAL(ISOWNER)) function has been added to allow database administrators to recognize if the current user identifier, is the OWNER account. The CVAL function returns the value of YES when you do have OWNER permissions, and NO when you do not.

54. 04/13/2018 Report Designer - The tabs for Sub Reports will now match the order of the Sub Reports as they appear in the Report Designer. If a Sub Report is moved before or after another Sub Report, the tab reorder will automatically take place.

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55. 05/09/2018 File Gateway - When exporting table data with calculations to be interpretted in spreadsheets, the formulas are not interpretted the same in all Excel versions. Also, when testing the formulas passed from the table, it was noticed the Formula field had to be clicked on first, before the calculation was processed. Can the process perform calculations automatically?

56. 05/16/2018 Form Designer - Most of the Glyph I use are BMP, but the default file type comes up as PNG. It would be nice if R:BASE remembers what my last selection was.

57. 05/17/2018 Commands - A new CapturefromVideoEx PROPERTY has been implemented to expand upon the functionality of capturing an image. The new property accepts an image format type and a maximum width.

Syntax:

```
PROPERTY ComponentID CapturefromVideoEx 'ImageFormat MaximumWidth'
```

To capture a JPG image with a maximum width of 350 pixels, use the following command:

```
PROPERTY EmployeePhoto CapturefromVideoEx 'JPG 350'
```

Please note that the numeric part of the parameter is a "maximum width", and not the target width. If the width of the source is smaller, then that size will be used. If the width of the source is larger, then it will be resized to the specified maximum width. If no numeric parameter is passed, then no resizing will occur. Valid formats for the image type are BMP, JPG, and PNG. BMP is the default.

If you wish to capture a JPG image and use whatever size the source provides, the maximum width can be omitted as per the following:

```
PROPERTY EmployeePhoto CapturefromVideoEx 'JPG'
```

58. 05/28/2018 Commands - When using the File Gateway GUI to export data to the XLSW (MS Excel Workbook), HTM (HTML), WK1 (Lotus), WQ1 (QuattroPro), RTF (Rich Text Format), or PDF (Adobe Acrobat) formats, a layout option is available to select a Columnar, Reversed Columnar, or Tabular Layouts. However, these options are not available when using the command syntax.

A new LAYOUT parameter has been added with valid values as COLUMNAR, REVERSED_COLUMNAR, and TABULAR.

```
GATEWAY EXPORT PDF  Employee.pdf +
SELECT * FROM Employee WHERE ActivEmp = 'A' +
OPTION TITLE 'Employee List' +
|COL_NAMES ON +
|SHOW_PROGRESS ON +
|ACTION OPENVIEW +
|LAYOUT REVERSED_COLUMNAR
```

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59. 05/31/2018 Commands - When using the File Gateway GUI to export data to the XLS (MS Excel Spreadsheet), HTM (HTML), or RTF (Rich Text Format), a Style option is available to select background colors for the exported data. However, these options are not available when using the command syntax. The STYLE parameter has been added with the following available values:

```
NORMAL
PRICELIST
MSMONEY
BRICK
DESERT
EGGPLANT
LILAC
MAPLE
MARINE
ROSE
SPRUCE
WHEAT
ZEBRA

Example:
GATEWAY EXPORT RTF Contacts.rtf +
SELECT * FROM Contacts +
OPTION BLANK_IF_ZERO ON +
|MESSAGES OFF +
|SHOW_PROGRESS ON +
|ACTION OPENVIEW +
|STYLE SPRUCE
```

60. 06/06/2018 Commands - A new FORCE_READ_ONLY parameter for the BLOB Editor has been implemented which specifies if the BLOB Editor will be in read-only mode. When OFF, the status is dependent on the field's read-only status.

Syntax: PROPERTY BLOB_EDITOR FORCE_READ_ONLY ON|OFF

The property must be set before the BLOB Editor is shown. That means that in the form, it must be set in the initialization section, such as the "On Before Start" or "On After Start" EEPs. If the value will be dependent on certain row values in a table, the property can be changed in the tables "On Row Enter"/"On Row Exit" EEPs.

Based on the user, you may set the PROPERTY BLOB_EDITOR FORCE_READ_ONLY ON|OFF command in your application startup file as follows:

```
-- Example (Setting BLOB_EDITOR property conditionally)
  IF (CVAL('NetUser')) IN (PhilM,MarkG,KenG) THEN
    PROPERTY BLOB_EDITOR FORCE_READ_ONLY 'OFF'
  ELSE
    PROPERTY BLOB_EDITOR FORCE_READ_ONLY 'ON'
  ENDIF
```

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Item	Date Fixed	Description
01.	08/01/2017	Functions/Views - When using the SUM and IFEQ functions within the definition of a view, incorrect data values are returned.
02.	08/01/2017	Reports/Labels - When you rename a column in the Data Designer, it updates the fields in the reports but not the break points.
03.	08/02/2017	Database Explorer, Find in Expressions - When replacing a column in my database the "Find in Expressions" did not find the searched column name in my compressed reports.
04.	08/02/2017	Commands - When using the LAUNCH command to launch a file and wait until the file is finished before moving on to the next command, R:BASE displays an error saying the specified file was not found.
05.	08/07/2017	Reports - Without a default printer installed, but both Print Preview and printing reports to the screen displays a blank page.
06.	08/14/2017	Forms - On Windows 10 operating systems, it is noticed that the "Calendar" icon/image is half hidden behind the [v] arrow drop-down button.
07.	08/14/2017	Forms - When resizing an Enhanced DB Grid that is Aligned to the Client and resizing of the form with the mouse on the bottom right corner, the form width and height does not follow the position of the mouse cursor with continued increasing and decreasing. The form size snaps to smaller and larger widths and heights when repeating.
08.	08/14/2017	Forms - When using the Object Inspector toolbar in the Form Designer, where the toolbar is undocked, the toolbar disappears when selecting the "Properties" tab on the toolbar.
09.	08/15/2017	Commands - When concatenating text including foreign characters with the SET VAR command, it is not possible to concatenate text messages reliably in the conversion from ANSI to UTF8 or vice versa depending on whether the value was text in the command, a column value, or a variable value.
10.	08/15/2017	Commands/Data Browser - When using the BROWSE command with an aggregate function, and the results are attempted to be Computed using the menu option, an error is displayed.
11.	08/16/2017	Reports/Labels - The border does not display for the Rotated Label control.
12.	08/18/2017	Reports/Labels - When a Rotated Label object with a Border defined is selected initially when opening the designer, the Draw toolbar displays the color and line options, which are correctly disabled later if another object (Shape) is selected.
13.	08/22/2017	Settings - When enabling the MIRROR setting for database replication, the mirrored database files fail to be created.
14.	08/25/2017	Commands - When NULL is set to a space and SHOW VAR is used, strange results are returned.
15.	08/30/2017	Report Designer - When opening the Position dialog for the Region and CrossTab controls, the width size is small and the text is cut off.
16.	09/08/2017	Reports - When printing a report containing rich text table data to a text file, the data does not appear in the report output.

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17.	09/08/2017	Functions - The IFNULL and IFEXIST functions incorrectly interpret the value of zero as NULL when ZERO is set ON. ** Important ** The use of the IFNULL function, with the ZERO operating condition set to ON, may have adverse effects on variable calculations. Please understand that the correct logic is now used for the IFNULL function, as zero is not equal to NULL. Users are advised to take advantage of the built-in search utilities to locate any instances of the IFNULL function within forms, reports, labels, and command files, and evaluate the correct use: o Find in Custom EEPs... [Ctrl]+[F] o Find in Control Properties... [Ctrl]+[L] o Find in Expressions... [Ctrl]+[Shift]+[F]
18.	09/19/2017	Database Explorer - When saving a multi-table form as another form within the Form Designer, reviewing the form and tables at the Database Explorer displays only the single form table. After a refresh, the slave tables appear.
19.	09/19/2017	Forms - After a new Tab Control is added to a form, it cannot be selected with a left mouse click.
20.	09/19/2017	Closing R:BASE - R:BASE will not close cleanly if the System Tables list is opened at least once.
21.	09/19/2017	Forms - Group Box fields are not displaying properly, where the window behind the R:BASE form appears in Group Box background, when Native Appearance is checked.
22.	09/19/2017	Database Explorer - When saving a form as another form within the Form Designer, the compression icon appears on the new form name, even though the "Use Compression" setting is unchecked in the Form Properties and the original form was uncompressed.
23.	09/20/2017	Commands - When the @ character in table data is located at the beginning of a row, R:BASE adds a space in place of the @ during the LOAD process.
24.	09/25/2017	Forms - After deleting pages from the Enhanced Tab Control, when the Object Inspector is visible, R:BASE does not respond when saving the form, and closing the designer.
25.	09/27/2017	Data Designer - When editing or adding new columns to the Table Designer, the ability to walk through the data types using the keyboard does not work when WALKMENU is ON. The intent is to press "T" and go from TEXT to TIME, or press "D" and go from DATE to DOUBLE, etc. The functionality should work regardless of the WALKMENU setting.
26.	09/29/2017	Database Explorer - When selecting the "Convert Applications" menu option in the Database Explorer under "External Forms" the display is empty when initially opening the dialog. You must select another "File Type" radio button, then back to "APP", to see the APP files to convert.
27.	10/04/2017	Error Messages - When performing a record change which violates the conditions of a unique key constraint, there is no expected error message displayed.
28.	10/11/2017	Printers - If the default printer is a network printer, some areas in R:BASE (a table is opened from the Database Explorer, the Rich Text tab of the BLOB Editor is opened) perform slower than when using a local or virtual printer.
29.	10/12/2017	R:BASE Editor - When launching the R:Style Local Configuration from the EEP Editor, the settings screen is not displayed.
30.	10/13/2017	Forms - If the "Dynamic Caption" within form properties is activated "and" a variable label is set to Transparent, scrolling through records will overwrite the variable label values within itself.

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31. 10/13/2017 Data Dictionary - When pressing [F3] to search for a column, the Relational Verification function is performed each time, when the Relational Verification setting is enabled.

32. 10/18/2017 Reports - When printing a report with multiple breaks and a Sub Report, an error message is displayed.

33. 10/30/2017 Startup Settings - The RBTI_IMG_FOLDER environment variable, to define a folder path where all "Open Image" dialogs will initially start, is not recognized, and dialogs open in the current folder.

34. 10/30/2017 Commands - When performing a table UPDATE of records from a table source, where the data type values is moved from TEXT to VARCHAR columns, the process leaves the table in a state that is unable to open.

35. 11/02/2017 Commands - Errors are encountered when handling ampersand variables inside a WHILE loop, where the variable is made NULL.

36. 11/02/2017 Commands - When using a Gateway Export with a JOIN in the SELECT clause, data does not appear in the output.

37. 11/06/2017 Forms - I have a form with 2 tables and 2 Enhanced DB Grids. Both are to be allowed to add new rows only. I have went into the Table Settings for both tables and unchecked "Replace Existing Rows" which should not allow changes but I can still make changes.

The Table Settings" dialog has also been altered with "Replace" changed to "Update" as it is more appropriate. The order of the settings was also reordered.

38. 11/06/2017 Commands - The GATEWAY EXPORT FIX format does not export more than ten characters per column using the following syntax:

```
GATEWAY EXPORT FIX Test.txt SELECT ('0123456789ABCDEF') +
  FROM TableName WHERE LIMIT=4
```

The FIX (fixed) format has been updated to include length specifications for values greater than 10 characters. Without a length specification, the default is 10. The new parameter, COL_WIDTHS, accepts a comma delimited list of integers to specify column widths.

```
GATEWAY EXPORT FIX Test.txt SELECT ('0123456789ABCDEF') +
  ('ABCDEF0123456789') FROM BonusRate WHERE LIMIT=4 OPTION COL_WIDTHS 24,24
```

39. 11/07/2017 Forms - I have a form with two tables that are linked using Enhanced DB Grids (Master/Detail). In the detail table, the Filter is set to "Column Values", which does not display the values.

40. 11/17/2017 Forms - In some circumstances, controls and Custom Form Actions are not recognized during the execution of On After Start EEPs when a form is launched from another form. When running the forms in the trace debugger, the actions work as expected.

41. 11/20/2017 R:BASE Editor - When I check my code using R:Style, instances of the keyword VALUE change to VALUES. This is problematic because all my code like PROPERTY meter1 VALUE '10' gets changed to VALUES and I then get errors that I need to correct.

42. 11/21/2017 Trace Debugger - When tracing command syntax in Custom EEP, if there is an -ERROR-, there is no record of such error in the Error List box.

43. 11/27/2017 Commands - When using a multi-table DECLARE CURSOR loop, inconsistent results are encountered.

44. 11/29/2017 Functions - File names containing foreign characters are not recognized by the FINDFILE function.

Fixes were also implemented for the MKDIR, RMDIR, and CD commands, as well as the INSERT and UPDATE commands when converting TEXT to WIDETEXT, and vice versa.

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45. 12/04/2017 Settings - The Default Font setting for the BLOB Editor's RTF page, set in Settings > BLOB Editor, is not properly applied.

46. 12/04/2017 Reports - We have a (very) complex report that involves making a lot of images visible and hidden on different lines. It works great, except in one case.

When the print preview appears on the screen, if the user IMMEDIATELY (before the first page is rendered in the preview) clicks on the printer button several times, it appears that R:Base is no longer able to find any of the component IDs on the report. If you do this with messages on, you get lots of messages about not-found component IDs. It almost looks as if the report preview window is no longer focused.

47. 12/04/2017 Forms - The Advanced DB Rich Edit control's default font setting is not applied correctly. Also, when the Advanced DB Rich Edit control's default font is passed to the BLOB Editor, the editor is not using it correctly.

48. 12/06/2017 Commands - When performing an INSERT ... SELECT using VARCHAR data, the resulting data includes some garbage characters at the end.

49. 12/07/2017 R:BASE Editor - If you have an EEP Code, and if you want to print that code, clicking on the [Print] icon provides you with some options (Check Boxes) as follows:

. [ ] Header/Page Number
. [ ] Line Numbers
. [ ] Syntax Print
. [ ] Use Color

If you just check the option for [x] Line Number, the printed code prints the line numbers accordingly. However, if you Check additional options, such as [x] Syntax Print, [x] Use Color, then Line Numbers are not printed.

50. 12/08/2017 Commands - The HTML clause on the SELECT statement no longer works if WHERE is included (it still works if WHERE is not used).

51. 12/14/2017 BLOB Editor - After data displayed in the "Text" tab is saved to an external file, using any text editor, it is noticed that the file is encoded and is not a plain text.

52. 12/14/2017 BLOB Editor - Once the plain text data is displayed under "Text" tab and the data is saved as external file using the "Save To External File" option, the process does not prompt if the same file name already exists.

53. 12/20/2017 Settings - When launching an R:BASE instance with a remote desktop session on a Windows Server 2016 operating system, the default printer is not recognized during print operations.

54. 01/03/2018 Commands - When building a large single variable with the SET VAR command, an error message was encountered stating the expression size limit was exceeded. The characters were counted, which did not exceed the 2000 character limit, for R:BASE X Enterprise.

55. 01/05/2018 Form Designer - When reviewing a form in the designer, all Static Text objects with background colors are not showing the defined color. Previewing the form displays the colors accordingly.

56. 01/05/2018 Forms - After changing the font to bold and the color to navy for the Enhanced DB Grid, it shows on the font button when I close the property editor. However, if I review the settings again, the font button it reverses to the default previous setting.

57. 01/05/2018 Commands - When an apostrophe exists within the FOOTER_TEXT value for the GATEWAY EXPORT command syntax to a spreadsheet, the results are inconsistent.

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58.	01/05/2018	Reports - When printing reports containing hyperlinks to PDF and HTML output formats, the links are not active, and appear as raw HTML code.
59.	01/08/2018	Commands - With MESSAGES set to off, the "No rows existâ€¦" message seems to appear every other time for command executions where the message is displayed.
60.	01/08/2018	Commands - The use of the ESCAPE character in "LIKE" WHERE Clause conditions is not recognized.
61.	01/08/2018	Commands - When performing an UNLOAD of a table, the process stops unloading at a certain row containing invalid characaters.
62.	01/09/2018	Help Files - Although it appears to be undocumented, the CONTAINS condition interprets the SINGLE and MANY characters as wildcards. The help files were updated to reflect that wildcards are supported with the CONTAINS condition in SELECT...WHERE Clauses, as well as the IF...ENDIF and WHILE...ENDWHILE control structures. The help also reflects that the support for the ESCAPE character in LIKE conditions with wildcards with IF...ENDIF and WHILE...ENDWHILE control structures.
63.	01/10/2018	Reports - When printing a report to the XLS2003 format, R:BASE does not respond. The other Excel file formats print as expected.
64.	01/26/2018	Forms - The Character Case settings for the DB/Var Edit/Memo controls provides a "Title Case" option, which is actually "Word Case", as it capitalizes all words not just principal words.
65.	01/29/2018	Commands - When using a SELECT ... UNION, the column name headers display as "UNNAMED" even though alias names are defined in the syntax.
66.	01/30/2018	Forms - When copy and pasting text into a DB Edit field with INSERT ON, with the contents being pasted in the middle of a string, one character of text is incorrectly overwritten.
67.	02/01/2018	Commands - When the CHOOSE return column value contains a leading space, the space is removed. The modification improves the consistency in which the CHOOSE command returns the final text value and justification. If the underlying value of what is chosen when using the #VALUES option is a character based value (like TEXT, NOTE, VARCHAR, etc.) then it will not be left justified. If it is not character based, then it will be left justified (such as for INTEGER, REAL, DOUBLE, CURRENCY, DATE, TIMER, etc.). When using the #VALUES option, this logic applies to the returned value whether it came from the hidden return value or the displayed value in the menu.
68.	02/01/2018	Forms - When I try to change in Drop Down Width for the DB User Defined Combo Box, I cannot change it to a value over 100.
69.	02/01/2018	Data Browser - When saving the results of a BROWSE command containing the DISTINCT keyword, then saved results do not match the data displayed in the browser.
70.	02/07/2018	Commands - When creating a table and adding a table comment from a UTF-8 encoded command file, errors are encountered.
71.	02/08/2018	Forms - When displayed on the form, the selected "font color" is not being applied to "Record Count" portion of the Enhanced DB Navigator.
72.	02/12/2018	Commands - When using a SELECT command including aggregate functions (like SUM, LISTOF, etc.) and the LIMIT option, a warning is displayed that no rows exist.
73.	02/12/2018	Commands - If a SWITCH/ENDSW procedure is stored within a UTF-8 file, R:BASE does not recognize values containing foreign characters.

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74.	03/05/2018	BLOB Editor - When opening the BLOB Editor and displaying WIDENOTE data from a table, or opening a Unicode/UTF-8 encoded file, the "Unicode Text" tab does not recognize the "Word Wrap" button setting. Also, the buttons on the tab do not display the expected hints.
75.	03/06/2018	Plugins - While using the LoadFileNamePlus Plugin, such as from a button on a main menu form, where the "Load File Name" dialog is displayed, if you switch to another program or press the [Alt]+[Tab] keys, you cannot return to the Plugin dialog again.
76.	03/12/2018	Query Builder - If you add or move a column, the Column Aliases become out of order within the list. The only way to fix it, is to turn it off and save the view and leave it and then go back in and turn them back on.
77.	03/12/2018	Forms - After configuring text as an active URL with the "Highlight URL" option in the Advanced DB Rich Edit control, the URL is not launched when clicking the link at runtime.
78.	03/16/2018	Forms - On a form containing a Variable Lookup List View with the "Multiselect" setting checked, I have to double click to be able to type into Variable Edit fields. Thie issue is specific to Windows 10 operating systems.
79.	03/21/2018	Forms - After changing the font type for a single column in an Enhanced DB Grid, the cell hint no longer displays the BLOB contents.
80.	03/22/2018	R:BASE Editor - When using [Alt + 0128] key combination in the R:BASE Editor, the Euro character does not display. The character does display at the R> Prompt.
81.	03/26/2018	Commands - When unloading data from a table containing times where the database use the 'HH:MM AP' time format, the spaces are removed in the output between the time and AM/PM portions.
82.	03/26/2018	Commands - When using escape style dates in the SSQL command, the commands are not passed as is.
83.	03/26/2018	Commands - When using the SELECT LIMIT syntax, where the second parameter to specify the maximum number of rows to return, matches the number of rows in the table, a warning is displayed that no rows exist.
84.	03/30/2018	ODBC - When using SATTACH, a table with a WIDETEXT(600) column changes to WIDENOTE and the content of the field turns to illegible characters. Also, if we have an original WIDENOTE column at the target database, when SCONNECTED, it will change to NOTE 4092.
85.	03/30/2018	ODBC - When SATTACHing a table, WIDENOTE/WIDETEXT swaps now behave similar to when using NOTE/TEXT swaps. Also, the "switch to NOTE" cutoff was previous established at 256 characters during the SATTACH. The data type cutoff was changed to 1500 characters.
86.	04/02/2018	Command - The search capabilities of the PROPERTY TABLE ... syntax is limited to the primary table of a form. It is not possible to search additional tables. PROPERTY TABLE FormTableName->SEARCH->FormColumnName->value
87.	04/03/2018	Reports - After printing an R:BASE report to a PDF file, the file cannot be edited with Acrobat. The error "Acrobat has encountered an unknown error" is displayed. If you take the same file, open it in Acrobat, and print it to a new PDF, there are no issues editing the new file.
88.	04/04/2018	Forms - When a Variable Edit pop-up menu is defined with a variable linked to a read-only dataset from the form variables, the pop-up menu does not launch.

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89.	04/04/2018	Commands - When using the GATEWAY EXPORT command where the keyword "OPTION" is part of the query, an error is encountered. The GATEWAY EXPORT command syntax has been enhanced to allow quoting the query potion of the command if it contains the OPTION keyword, by enclosing the SELECT clause in double quotes.
90.	04/10/2018	Commands - In some instances, errors may be encountered or R:BASE may not respond when using SELECT...COUNT=LAST, where the COUNT=LAST from one SELECT would have remnants that could cause wrong results in a subsequent COUNT=LAST which was combined with other conditions.
91.	04/12/2018	Functions - When using the GETDATE function, the initial screen does not display the calendar entirely. After dragging the caption bar, the width adjusts accordingly.
92.	04/16/2018	Stored Procedures - When executing the SSQL command in a stored procedure, an error is displayed stating it is an illegal command in an Entry/Exit Procedure.
93.	04/19/2018	BLOB Editor - When using multi-level numbering lists within the Rich Text tab, the font reverts to Arial even if the above level is assigned a different font.
94.	04/20/2018	Plugins - When launching the DIALOG with Buttons Builder Plugin, the image displayed for the "Error Icon" is not the same image that appears when ICON ERROR is used.
95.	04/23/2018	Views - When creating a view with a UNION SELECT, the NUMERIC data types have a precision and scale which does not match the column in the tables.
96.	04/23/2018	Query Builder - When opening a view in the Query Builder which contains a UNION with the optional "ALL" keyword for the UNION ALL SELECT syntax, the SELECT command is repeated in the query syntax panel "UNION "SELECT all, select" clause FROM TblView". As a result, a syntax error is displayed when trying to browse the view from the Query Builder.
97.	04/24/2018	Commands/Data Browser - When issuing a BROWSE command with many function calculations for a single column, the Data Browser will not launch.
98.	04/25/2018	Utilities - When selecting "Design Table" for a single column, single row table with "Settings > Relational Verification" enabled, the message "Cannot read table structure" is displayed.
99.	04/26/2018	Database Explorer - When copying an existing report or creating a new report, the dialog allows for a comma to be used in the name. Attempts to rename the report in the Database Explorer are then not possible with an error displayed.
100.	04/27/2018	Utilities - When displaying the R:BASE On-Screen Keyboard (ROSK) and pressing Shift, the ampersand is not displayed on the keyboard.
101.	05/16/2018	Commands - If the variable specified for the file name in the PRINT command contains a shorter existing variable name as its first characters, then the PDF file name will be the value of the shorter name variable, concatenated with the remaining characters of the longer variable name.
102.	05/16/2018	Form Designer - The Component ID option is available for multiple selected controls using the right click popup menu. The ability to alter a Component ID is designed for single controls only. The menu option is incorrectly displayed when there are multiple controls selected.
103.	05/18/2018	Expression Builder - When reordering and dragging variables within the list, the cursor becomes stuck as a spinning circle and does not return to an arrow after dragging a variable towards the "Define Expression: > Name" area of the dialog.
104.	05/22/2018	Commands - When specifying a string with the PLUGIN command that contains equal characters, spaces are inserted before and after the equal characters.

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105.	05/22/2018	Functions - An error message is displayed when performing the NOTE to VARCHAR conversion using SRPL function.
106.	05/24/2018	Commands - When building CHOOSE command syntax from the Utilities > Plugins > Choose, the CHKBOX and value was specified along with the "Show "Select All" button" check box, but the "Show All" button does not display. With CHKBOX and a value specified to limit the number of items to select, the "Select All' button is not applicable, and the "Show "Select All" button" check box will be disabled in the CHOOSE command builder.
107.	05/29/2018	User Privileges - When a password protected database has a PUBLIC user account, it is possible for a password to be assigned to the PUBLIC account, which should not be allowed.
108.	05/29/2018	Commands - When issuing the SUBTRACT command from a temporary projected table from multi-table view, an error is encountered and the table rows are not populated.
109.	05/30/2018	Settings - When unloading data containing 30 or more space characters into an output file with the ANSIOUTPUT setting enabled, the output contains questions marks.
110.	05/30/2018	Forms - When running a form from another form, and encountering error messages where Component ID values are not recognized on the second form, specifically for newer operating systems, an improved logic has been implemented related to the timing of setting the active form, and the command syntax within the "On After Start" EEP.
111.	06/25/2018	Commands - When projecting a temporary table from a view containing an OUTER JOIN, with Sub-SELECT containing an OUTER JOIN, the temporary table is not created. If the same PROJECT is used without the WHERE Clause, the temporary table is created, but cannot be dropped. When trying to disconnect from the database, there is a long process that takes place.
112.	06/25/2018	Query Builder - When displaying a view in the Query Builder containing an OUTER JOIN with a Sub-SELECT OUTER JOIN, the results cannot be browsed from within the Query Builder. An error is displayed reporting an invalid SQL statement.
113.	07/06/2018	Commands - When printing a report that is set with the "landscape" orientation within the Page Setup in the designer, and the code accidentally uses the ORIENTATION LANDSCAPE parameter with the PRINT command to the SCREEN, the report appears in Portrait mode.
114.	07/09/2018	Functions - When using the FORMAT funtion upon a number value with two decimal points, with the last value being 5, there is a rounding up inconsistency with some numbers.

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