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What's New in R:BASE X

UPDATE 1

Official Release Version

Build: 10.0.1.20128

Requested Enhancements	09/24/2015 - 01/28/2016

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

20. 11/17/2015 Commands - The command syntax for ON CONNECT/PACK and ON ERROR now supports the use of the AFTER keyword for "ON" database events.

21. 11/18/2015 Help Files - When searching for command help at the R> prompt with the HELP command, spaces in multi-word commands are only recognized when the space is replaced with an underscore. It would be helpful if the space in the command name is recognized if the command is enclosed in quotes. Both of the following will display the help chapter for CREATE TABLE.

```
R>  HELP CREATE_TABLE

R>  HELP 'CREATE TABLE'
```

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

23. 11/20/2015 Settings - When defining Database Events within the Configuration Settings dialog, an "Insert File Name" button is now available to load a defined file name. Database Event buttons were also reordered to accurately describe when each action takes place as it relates to the database event.

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

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

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

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

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

27. 12/02/2015 BLOB Editor - The BLOB Editor has been optimized for data types that can contain large amounts of data, like VARCHAR and BSTR.

28. 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.

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

30. 12/04/2015 Database Explorer - When selecting "Copy Database..." in the Database Explorer, and altering the field to a database name that already exists in the folder, R:BASE does not warn the user that a database already exists (with the same name) in the current folder.

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

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

Syntax:

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

Example:

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

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

For expanding nodes:

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

For collapsing nodes:

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

Sample:

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

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

35. 01/07/2016 Functions - The IWOY function supports additional week counting methods for capturing the week of a year for a specified date. The optional parameter specifies week counting will start on Sunday or Monday with January 1 being the first week of the year, or if week counting follows the ISO 8601 standard, which means that week 1 for the year is the first week with 4 or more days of January in it (week starts on Monday).

(IWOY(date,parameter))

36. 01/08/2016 Functions - A new CVAL('OUTPUT') function has been implemented to capture the current output value. If the screen is being used, SCREEN is returned. If the printer is being used, PRINTER will be returned. If a file is being used, the file name is returned. If more than one output is being used at a time, the values are returned in a comma-separated string.

37. 01/14/2016 Data Dictionary - A new CVAL tab has been added to the Data Dictionary [F3] to capture all CVAL Functions and easily add to command syntax.

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38. 01/21/2016 Database Explorer - The "Find in Control Properties" search utility [Ctrl+L], to locate specific text defined within the properties of database objects, has been enhanced to find text for Custom Form Action definitions (Command Name, Description, Component ID).

39. 01/21/2016 Commands - When using SELECT TOP, the parameter can now be used within a SUB-SELECT. With the following example for the RRBYW18 sample database, the three companies with the largest purchases are returned.

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

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Item	Date Fixed	Description
01.	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
02.	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.
03.	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.
04.	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.
05.	10/05/2015	Forms - When using TRACE through form controls, the DB Check Box is not accessible.
06.	10/05/2015	Forms - When you press the first letter of any of the items in a Variable User Defined Combo Box, it should populate the control. It does not. You have to click down arrow and select by mouse or cursor to select.
07.	10/05/2015	Forms - When altering the Tab Order for controls listed within a Scrolling Region, the Tab Order Settings dialog is empty.
08.	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.
09.	10/05/2015	Data Dictionary - When running two local sessions of R:BASE and where one session creates new tables, the new tables are visible within the second session LIST results, but not within the Data Dictionary.
10.	10/06/2015	Views - When a column error occurs with a complex view, based upon several layers of other views, the error message displays a number rather than the expected missing column name.
11.	10/06/2015	Commands - When selecting BOOLEAN data from a table with the <> operator, unexpected results are returned.
12.	10/06/2015	Forms - Error messages are displayed when form expressions lookup and evaluate NULL values, when initializing new row (ENTER USING formname), and a form with expression variable set to a column.
13.	10/07/2015	Reports/Labels - When printing a report variable containing the copyright character ©, a UTF-8 BOM value, the variable is not defined correctly.
14.	10/10/2015	Functions - When using the IFEQ function to compare values an incorrect error is displayed, and does not allow the proper use of the function.
15.	10/11/2015	Data Designer - When adjusting the NOTE to WIDENOTE columns in R:BASE X Enterprise, the expected relational WIDENOTE data type was not accepted for a common column name in the Data Designer.
16.	10/15/2015	Commands - If an invalid TIMEOUT value is defined, R:BASE does not provide an error. The current range is 0 to 1440.

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17.	10/19/2015	Commands - When using the CHOOSE command to capture a value, an incorrect value is returned for the selected item.
18.	10/19/2015	R> Prompt - If the Command History toolbar is closed, a blank message is displayed.
19.	10/20/2015	Error Messages - It appears the queue for error messages is slightly off. If I enter a command at the R> that generates an error message such as a misspelled column name and I then enter a subsequent command that also generates an error, the message that's displayed in the second instance is the same as the prior one when it should be for another situation.
20.	10/21/2015	Settings - When displaying data from a view, the sequence of data does not match the column sequence when the COLCHECK setting is toggled.
21.	10/26/2015	Database Conversion - When converting a legacy database, the end result contains table and column comments, default values, computed columns, and views, which did not properly match up.
22.	10/26/2015	Views - if you define a temporary table then define a real view against that table everything is fine as long as the temporary table is around. Reconnect the database and the view is still there, but it cannot be opened until you recreate the temporary table it depends on. This results in odd data in sys_columns for this view.
23.	10/27/2015	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	Settings - R:BASE allows the creation of temporary and permanent table when a database is connected in read-only mode.
26.	10/28/2015	Variables - When using VARCHAR with a "dotted" variable, R:BASE does not correctly interpret the actual variable contents.
27.	10/30/2015	Forms - When running a form in Enter mode where a Scrolling Region is assigned as a slave table, the region is populated with data when the form is launched.
28.	11/03/2015	Forms - A Variable Lookup Combo Box does not result the expected results when MAKECLICK is used.
29.	11/03/2015	Forms - When selecting from the Database Explorer -> Forms -> Find -> Find in Custom EEPs, the search results for text contained in Variable Memo "On Key Press" EEPs are not returned.
30.	11/04/2015	Forms - When selecting a row with an image along with text within a Variable Lookup List View, the text overlaps the image. In some instances the image from another column appears.
31.	11/05/2015	Form Designer - When the Object Inspector and Object List toolbars are displayed, the mouse wheel scroll behavior is incorrect.
32.	11/06/2015	Form Designer - In the list of single-click conversions to "enhanced" form controls, the "Convert to Enhanced Group Box" option for Group Box controls is missing.
33.	11/06/2015	R:BASE Editor - If I a single big file (764MB) in R:BASE Editor, the file opens, but after closing the file using the "Close File" button, the editor stays open with a blank code screen.
34.	11/09/2015	Form Designer - After typing some text for the "Caption:" and tabbing through fields for the Enhanced Panel control, the sequence in not in the expected order.

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35.	11/09/2015	Commands - When loading data into a database that is larger than 21 GB, a "Resources Unavailable..." error message is displayed.
36.	11/10/2015	Commands - When entering LIST SYS_% at the R> to review system table names, an error message appears in front of the column headers.
37.	11/10/2015	Commands - When using the LIST command, there is a certain sequence where an error message showed for the incorrect table.
38.	11/16/2015	Forms - A Form Opening Behavior like "Explode From Center" will overwrite the caption layout when the PROPERTY APPLICATION NATIVE_FORMS 'ON' setting is used. The caption is represented in standard blue background instead of white.
39.	11/16/2015	Commands - When performing an AUTOCHK with a large database the process does not complete.
40.	11/17/2015	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.
41.	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.
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	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.
74.	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.
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.

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