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What's New in R:BASE X

UPDATE 2

Official Release Version

Build: 10.0.2.11227

Requested Enhancements 09/10/2016 - 12/27/2016

Item	Date Implemented	Description
01.	09/12/2016	R:BASE Instance - I often run more than one instance of R:BASE when doing development, all started from the same icon on the desktop, hence they all have the same 'name' as far as the Windows 7 task bar is concerned. This makes selecting the one that you want to use at any particular time a bit difficult. I was just wondering if it would be possible to have R:BASE assign a sequential number to the application Title for each instance, this to be appended to the name, so these can be differentiated. An additional "-Txxx" command line parameter has been implemented, where xxx is a custom text or "RandomID" to better identify the running R:BASE instance in the Task Manager. This is useful when running multiple instances of R:BASE. A recommended parameter is "-TRandomID" to use the current operating system TickCount value, which returns the number of milliseconds elapsed since the system started.
02.	09/12/2016	Form Wizard - Currently when using the Form Wizard, a Component Id is not assigned to controls. Using the Object Inspector one notes that a "Name" field is assigned a unique value similar to that assigned to the Component ID field when manually adding a field. Could the "Name" value also be inserted into the Component Id field when using the Form Wizard.
03.	09/14/2016	Commands - The SHARECPY command has been added to the R:BASE command syntax, to copy files, including databases, that are shared on a network. Once available as a utility with legacy R:Scope versions, the functionality is now available within R:BASE. Although you should not attempt to copy a database while users are actively making changes to it, the command allows you to copy it without having to make sure that all users have disconnected from the database.
04.	09/16/2016	R:Compiler - It would be helpful within R:Compiler X/XE (Version 10) if users could save and load the same color palette that is already defined for R:BASE X/XE (Version 10).
05.	09/16/2016	BLOB Editor - An additional option has been added to the BLOB Editor to acquire an image from a camera.

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06. 09/19/2016

Forms - Added support to allow form controls to accept dropped objects from external sources. External sources include file drops from Windows Explorer and email files from Microsoft Outlook. Once dropped, R:BASE retrieves the file names of the object. Form controls which can accept a dropped object include those which can accept focus (e.g. Edits, Memos, Enhanced Panels, etc.).

Dropped emails are saved as files in the TEMP folder. It is the responsibility of the R:BASE application to delete the files when no longer needed. The file names are captured in comma separated format. After the files names were retrieved and actions performed, the list must be cleared. This only clears the internal list of files that were dropped, not the actual files.

```
-- Allow a control to accept dragged files from Windows Explorer:
PROPERTY ComponentID ACCEPT_FILE_DROP TRUE

-- Allow a control to accept dragged emails from MS Outlook:
PROPERTY ComponentID ACCEPT_MAIL_DROP TRUE

-- Get list of files that were dropped to a control:
GETPROPERTY ComponentID DROPPED_FILES vDroppedFileList

-- Clears the internal list of files that were dropped:
PROPERTY ComponentID CLEAR_DROPPED_FILES ' '
```

07. 09/20/2016

Database Explorer - An EEP quick peek at the Database Explorer has been implemented as a helpful reference to review the EEP code for a selected form/report/label. The feature is similar to the "Document in EEP Editor" option within the Form/Report/Label Designers. The hot key combination is is [Ctrl+Alt+Q].

08. 09/22/2016

Forms - Is there a way to programmatically change the Enhanced DB Grid column order with PROPERTY and GETPROPERTY commands. I am ultimately trying to figure out a way for a user to change the order and the order will be "remembered" for the next time the form is opened without making the change to the order permanent.

PROPERTY and GETPROPERTY command support has been implemented with the "COLUMNS[nn]->INDEX" parameter to rearrange an Enhanced DB Grid column order at runtime.

```
-- The following moves the third column to the first position
   PROPERTY EnhancedDBGrid1 COLUMNS[2]->INDEX '0'

-- The following moves the FIRST_NAME column to the third position
   PROPERTY EnhancedDBGrid1 COLUMNS[FIRST_NAME]->INDEX '2'

-- The following captures the column index for the LAST_NAME column
   GETPROPERTY EnhancedDBGrid1 COLUMNS[LAST_NAME]->INDEX vLastNameIndex
```

09. 09/27/2016

Command Syntax - If would be ideal for R:BASE to check if an MDI form alias already exists and stops form processing if the provided alias already exists. For example:

```
EDIT USING Contacts MDI as MDI_C
EDIT USING CallNotesEdit MDI as MDI_C
```

Subsequent commands that use the duplicated alias (e.g., SETFOCUS and CLOSEWINDOW) may act on the wrong form. Also, a duplicate alias may be a symptom that some user-code has failed to "clean up" after its previous execution.

An added APPLICATION setting has been added to implement strict form alias names. The default value is OFF.

```
PROPERTY APPLICATION STRICT_FORM_ALIAS ON/OFF
```

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10. 10/13/2016 Forms - When using the "Color" feature to highlight columns based on the column value, I find that the highlight color for the focus row completely overwrites the color value for the individual columns. These are both important features, and the column color is a very powerful display tool. Is there a setting to allow the column colors to be persistent even if a row is selected and highlighted?

A new "Persistent Field Value Color" setting has been implemented which specifies whether the background will not be filled with the Highlight color, when a row is selected. The setting is only recognized when "Row Select" is also checked.

11. 10/20/2016 Trace Debugger - Please allow to sort (ascending/descending) when clicking on the column header, such as "Variable Name", "Type", or "Value" of the Watch Variables list view form.

12. 10/21/2016 Form Wizard - When creating a new form with the wizard, it would be nice if there was a "Use Form Default Settings" check box, so the new forms will use the customized defaults established by the developer.

13. 10/24/2016 Form Designer - The tab order of controls within the Form Designer, not at runtime, follows the alphabetical order of the control names. Since the use of the names for the tab order provides no real use, can the Form Designer instead use the sequence defined within the Tab Order settings?

14. 10/25/2016 Commands - Having an image within a Table or within a Variable, I need to save this image into a file programmatically, not with the BLOB Editor.

A PROPERTY command parameter has been added to save an image to a file from the Variable Image, DB Image, and Image form controls.

```
PROPERTY ComponentID SaveImageToFile VarName
```

15. 11/14/2016 Commands - Can you add the functionality to return the number of monitors connected to a system, and if they are mirrored or extended? This will make it easier to position forms on multi-monitor systems.

The following new GETPROPERTY command sets the variable to the number of monitors.

```
GETPROPERTY APPLICATION MONITOR_COUNT 'VarName'
```

16. 11/14/2016 R:BASE Editor - Currently, the editor converts all text to UTF-8 before saving any changes (regardless of whether any net change has occurred). Is it possible to add a file encoding option?

17. 11/14/2016 Commands - It would be helpful to implement a PROPERTY command to save the Windows Clipboard contents to an external file.

A new PROPERTY command CLIPBOARD object has been introduced with the following:

```
PROPERTY CLIPBOARD SAVE_TO_TEXT_FILE 'FileName.txt'
PROPERTY CLIPBOARD SAVE_TO_BINARY_FILE 'FileName.bmp'
PROPERTY CLIPBOARD CLEAR 'TRUE'
```

Use SAVE_TO_TEXT_FILE for saving the clipboard contents to a text file.

Use SAVE_TO_BINARY_FILE for binary data like when pressing [Print Screen]. Note that not all clipboard contents can be saved as binary data because the clipboard does not dictate a specific format to be used.

Use CLEAR to clear the clipboard contents.

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18. 11/15/2016 Commands - An added GETPROPERTY command has been implemented returning monitor screen size properties. The value for X is a zero based index.

GETPROPERTY APPLICATION MONITOR_PROPERTY[X] 'VarName'

The result is a comma separated list of values in the following format:

MonitorNumber, MonitorIsPrimaryYN,
MonitorLeft, MonitorTop, MonitorWidth,MonitorHeight,
MonitorWorkareaLeft, MonitorWorkareaTop,MonitorWorkareaRight, MonitorWorkareaBottom

The WorkArea properties is the monitor area less the taskbar area.

Example:
GETPROPERTY APPLICATION MONITOR_PROPERTY[0] vMonitor
0,Y,0,0,1920,1080,0,0,1920,1040

19. 11/22/2016 When I search for text in a form with all forms selected, and only get one result, the resulting form does not show form name because the form list, which is displayed when multiple forms are found, is not open. The behavior is OK if I only search one form because I already know which form.

20. 12/05/2016 Forms - I would like to use the Variable Memo field so that I don't need to insert the data into a temp table first. The problem is that when you double click the Variable Memo field, a open file dialog box appears and the user has the ability to delete or rename files. If the BLOB Editor came up on the Variable Memo object, that would be helpful.

21. 12/06/2016 Forms - It would be very nice if the File List Box object could display the files in the directory with an icon view of the file,s similar to Window Explorer.

A new Extract Thumbnail Cache setting for the File List Box has been implemented to display images for listed files, along with a Item Height option to specify dynamic image sizes.

22. 12/12/2016 Forms/Commands - GETPROPERTY command support has been enhanced to capture a field name after a value changes for a field. This property is only assigned in the (recently introduced) table's "On Field Change" EEP. Using the syntax in any other EEP will return an empty string.

GETPROPERTY RBASE_FORM UPDATEDFIELDNAME 'VarName'

Example:

GETPROPERTY RBASE_FORM UPDATEDFIELDNAME 'vEditedColumn'

23. 12/12/2016 Forms/Commands - New PROPERTY/GETPROPERTY command support has been enhanced to capture/update the value for a field.

GETPROPERTY Syntax:
GETPROPERTY TABLE_COLUMN[TableName->ColumnName] TEXTVALUE 'VarName'

Example to get the column value of a column:
GETPROPERTY TABLE_COLUMN[Customer->CustStatus] TEXTVALUE 'vStatus'

PROPERTY Syntax:
PROPERTY TABLE_COLUMN[TableName->ColumnName] TEXTVALUE 'Value'

Example to update the column value of a column:
PROPERTY TABLE_COLUMN[Customer->CustStatus] TEXTVALUE .vStatus

24. 12/12/2016 Forms A new table-level "On Field Change" EEP has been added to Forms, to run the specified EEP once a field value changes.

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25.	12/14/2016	Forms - Regular Expression support has been implemented for Variable Edit and DB Edit controls. A regular expression is a sequence of characters that define a search pattern, which can be used to validate user input within controls. Usually this pattern is then used by string searching algorithms for "find" or "find and replace" operations on strings. For example, the following can be used to validate an email address: \b[A-Z0-9._%+-]+@[A-Z0-9.-]+\.[A-Z]{2,}\b
26.	12/19/2016	Warning Messages - It would be helpful to add the number "2495" somewhere on the STATICDB warning message dialog box, so that any user/developer can better identify the number to suppress the message using the SET ERROR MESSAGE #### OFF technique, if they wish.

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Item	Date Fixed	Description
01.	01/02/1900	Functions - Please enhance the CVAL('SCREENSIZE') function for all monitors sizes. If the screen size is not recognized, the function returns 0,0.
02.	09/14/2016	Commands - When using the GATEWAY EXPORT XLSW filename.xlsx syntax, the syntax does not support the pre-defined or global variables to be used as values for the HEADER_TEXT or FOOTER_TEXT parameters.
03.	09/14/2016	Help Files - The help entry for the GETPROPERTY command has a very minor typo. The text for the third bullet in the Tips section is shifted one place to the left (it looks like all the other entries have two spaces after the bullet, and this line only has one).
04.	09/14/2016	Functions - When using the CVAL('TABLELOCKS') function, the list of tables is not being cleared after the table locks no longer exist, when using the VARCHAR data type to store the table list.
05.	09/15/2016	Data Browser - When using the German language version of R:BASE X Enterprise, the Data Browser truncates and does not display REAL data type computations correctly.
06.	09/15/2016	Functions - When using the FORMAT function with DATETIME value to display the full text for the day of the week and month, the results are inaccurate.
07.	09/19/2016	Form Designer - When placing a Tab Control on a form, the designer adds one Tab Control for each time you click on the form (as though the Tab Control selection button is stuck on), and the properties for the Tab Control is not accessible.
08.	09/19/2016	Help Files - The INT function entry within the help does not state that converted TEXT values will rounded and truncated. The help also does not include NOTE and NUMERIC data types which are also supported.
09.	09/20/2016	Report Designer - With a global variable defined that contains Unicode text within the variable name, the variable is not displayed correctly in the Edit toolbar when placing report controls.
10.	09/26/2016	Settings - Using default installation on Windows 8.1 and starting R:BASE as normal user, you are not allowed to save configuration setting changes. The error message "Cannot Save." is displayed. The default installation folder for the R:BASE/Oterro configuration file has been moved from the local "C:\Windows\" folder, where users may not have the necessary permissions, to the local Users folder. The new path is "C:\Users\Public\RBTI\" or is "C:\Users\<UserName>\RBTI\" based upon the selection made for the User Information dialog during the product installation.
11.	09/28/2016	Report Designer - The Control Palette does not recognize mouse clicks in the Report Designer. The Object List toolbar, on far right, still works fine.
12.	09/28/2016	Forms - When entering data into a DB Memo control based upon the WIDENOTE data type, the field does not allow more than eight characters.
13.	09/28/2016	File Gateway - When performing an data export where the CURRENCY setting uses the Euro (€), the Euro character is displayed as "â,¬" for all currency data.
14.	09/29/2016	Form Designer - An access violation error message is encountered by selecting a control, locking the control, then selecting the "Change Tab Order" menu option.

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15.	09/30/2016	Report Designer - When reviewing the Settings for a DB or Variable Check Box on a report, the "Style" drop down menu is blank, which when the dialog is closed, the check box is no longer visible.
16.	09/30/2016	Commands - When performing an INSERT ... SELECT from a query, an error is displayed as R:BASE interpreted a string "TR" as a boolean value for "TRUE".
17.	10/04/2016	Startup Settings - When the R> Prompt window is positioned in a non-visible location in a previous session, the main R:BASE window must be scrolled to make it visible.
18.	10/12/2016	Commands - When using "LOAD ... AS FORMATTED USING ...", an error is encountered with a file that has some end of file character (or missing extra hard return) at the end. If the end of the file is altered to remove the extra line or add a hard return, the LOAD ... AS FORMATTED USING does work.
19.	10/19/2016	Data Browser - When using the Data Browser and the "Update Query" option, any newly added WHERE Clause condition is lost if the column headers are sorted.
20.	10/19/2016	Forms - I have a form with an Enhanced DB Grid and an Enhanced DB Navigator. When you click on a field and enter data and just click on the exit, it asks you to save but does not save the changes. The only way to save the changes is to hit enter after you type in the field.
21.	10/20/2016	Forms - When using a CURRENCY variable to perform a comparison and alter the Enhanced DB Grid background color for a column, the color is not applied.
22.	10/20/2016	Forms - The Enhanced DB Grid Footer Calculations do not consider the conditions of the WHERE Clause, and the displayed results are incorrect.
23.	10/25/2016	R:Compiler - When running compiled applications where the BLOB Editor is launched from an Advanced DB Rich Text control, the "RTF" tab of the BLOB Editor does not display the tool bars and menu bar.
24.	10/25/2016	Commands - When a unique index is unloaded from a database, the created CREATE UNIQUE INDEX command syntax is missing a space and the command fails.
25.	10/25/2016	Forms - An expression-defined drop-down menu for a column of an Enhanced DB Grid, to select from a list of options, is not populated.
26.	10/27/2016	Commands/Data Browser - When using the BROWSE command with AS ... for renamed column header names, the calculate functions do not work as expected.
27.	10/27/2016	Reports - If I create a report with a Region and try to place a DB Label on it, nothing happens. I can place the same object if there is no Region present.
28.	10/28/2016	Commands/Settings - When using the LIST INDEX FOR TableName command for a table name that exceeds 18 characters, and where NAMEWIDTH is set to 18, an error is displayed.
29.	11/02/2016	File Gateway/Commands - When performing a GATEWAY EXPORT using the XLSW option, with the .xlsx file extension, the end result within the spreadsheet displays as date values, when the originating text data from the table contains a variation of date formatting.
30.	11/07/2016	Forms - When assigning code to run for the Static Text "On Double Click" EEP, the commands do not execute.
31.	11/11/2016	Help Files - If you enter BOOLEAN in the Type in the keyword to find search box of the Index tab of the help file, you get two results: Columns and Data Types. The word BOOLEAN does not appear in the Columns help file entry (Navigation: Data Designer (RBDefine): Columns).
32.	11/15/2016	Commands - When using the WRITE command to send VARCHAR variable data to a file with the CONTINUE parameter, an error occurs.

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33.	11/15/2016	Data Browser - After opening a table and sorting a column, the WHERE Builder located within the Update Query utility displays an incorrect table name.
34.	11/15/2016	Functions - When using the (CVAL('LAST ERROR')) function to capture the last error, only zero is returned as TEXT.
35.	11/15/2016	Data Browser - If you enter a BOOLEAN value in a table using the Data Browser by using a 1 or a 0, you will receive an error stating that 1 (or 0 as appropriate) is not a valid Boolean value for the field.
36.	11/15/2016	Functions - There is an incorrect year interpretation in the RDATE() function when handling two-digit years, where 19xx is returned rather than 20xx.
37.	11/16/2016	Commands - When running an UPDATE command to a BOOLEAN field using TRUE or FALSE and the new value (not 'TRUE' or 'FALSE' and not 1 or 0) and the command has a FROM clause, an error is generated.
38.	11/18/2016	Commands - When using FCONVERT to convert an ANSI text file with embedded null characters to a UTF8 text file, the end result file is empty.
39.	11/21/2016	Form Designer - When reviewing the list of properties within the Object Inspector Toolbar, and expanding the + button nodes for items, the expanded items appear in the list when the toolbar tab is switched to "EEPs".
40.	11/21/2016	Data Designer - When making table structure changes such as inserting a column, changing a column description, and then saving a table an error is encountered when the last column in the table is indexed and computed.
41.	11/28/2016	Forms - When using a large amount of data within a memo field and scrolling using the wheel mouse, or dragging the scroll bar, R:BASE stops responding and displays an error message regarding truncating data.
42.	11/28/2016	Stored Procedures - When a database is using double quotes (") for the QUOTES setting, an error is displayed when trying to Edit or Unload stored procedures.
43.	11/29/2016	Forms - We have some forms with Enhanced DB Grids. We use some columns with the Lookup Expression to show data. In version 9.5, they displayed quicker than version X.
44.	12/01/2016	Forms - After double clicking on an image and displaying the default image viewer for the computer, the "On Click" EEP for the File List Box no longer launches the defined code.
45.	12/06/2016	Functions - When using the ICHAR function with higher character sets the returned values are not correct.
46.	12/06/2016	Commands - When using FILLIN and DIALOG with the added parameter to limit the field size for entry, the returned value is unexpected for extended characters.
47.	12/06/2016	Commands - When using extended characters within the FILLIN and DIALOG commands the returned variable at the R> Prompt appears to have trailing spaces that are displayed when used with WRITE ... CONTINUE.
48.	12/08/2016	Functions - When using the (CVAL('NETLOCALGROUP')) and (CVAL('NETGROUP')) functions within a domain controller (not a workgroup), the returned value is a non-printable character string without the expected values.
49.	12/12/2016	Commands - When performing a SELECT and combining a TEXT column with a space and a colon character, the error message "TEXT cannot be added to TIME. (2151)" is displayed.

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50.	12/13/2016	Forms - When running a form with the Enhanced DB Navigator, the area around the navigator buttons becomes transparent, and whatever is behind the form is displayed in the button area.
51.	12/15/2016	BLOB Editor - When saving multi-page TIF images in the BLOB Editor, the secondary images are lost if the "Save Image As Format" button is not specifically used every time. If the "OK" button is pressed, even though the TIF format appears to already be recognized, opening the BLOB Editor again shows the secondary images were lost as the default JPG format was used to save the image. The OK button saving the TIF as JPG can be interpreted as confusing, as when "Save Image As Format" is clicked, TIFF is the default, meaning R:BASE does know some part of what image type is already displayed.
52.	12/16/2016	Commands - When using the CHOOSE command and passing a variable value to the INITVAL parameter, the initial value is not pre-selected if the passed variable value contains commas.

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