R:BASE Technologies, Inc.
3935 Old William Penn Highway
Murrysville, PA 15668-1854 USA
1+724.733.0053 Phone
1+724.733.0196 Fax
http://www.rbase.com

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What's New in R:BASE X

UPDATE 2

Official Release Version

Build: 10.0.2.20731

Requested Enhancements 09/10/2016 - 07/31/2017

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 - 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.

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 - 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'
```

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

24. 12/12/2016 Forms/Commands - New PROPERTY/GETPROPERTY command support has been enhanced to capture/update the value for a field. The commands are assigned in the (recently introduced) tableâ€™s "On Field Change" EEP.

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

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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.

27. 12/29/2016 Reports/Labels - Is there any way to capture the height of a report band after it has been generated? I can read the HEIGHT property in the After Generate EEP, but it still returns the band's original, designed height, not the height after stretching.

Two new GETPROPERTY command parameters have been implemented for report/label bands, to return the final print height and final print width of the specified band.

```
GETPROPERTY BandCompID FINALPRINTHEIGHT VarName
GETPROPERTY BandCompID FINALPRINTWIDTH VarName
```

28. 01/03/2017 ROSK - The R:BASE On-Screen Keyboard (ROSK) hs been enhanced to support custom font sizes and alignment for the text on the keys.

The following PROPERTY command specifies the keyboard character font size:
PROPERTY ROSK TEXT_SIZE xx

The following specifies the horizontal alignment for the keyboard characters:
PROPERTY ROSK TEXT_HALIGN LEFT|CENTER|RIGHT

The following specifies the vertical alignment for the keyboard characters:
PROPERTY ROSK TEXT_VALIGN TOP|CENTER|BOTTOM

Example:

```
PROPERTY ROSK TEXT_SIZE 12
PROPERTY ROSK TEXT_HALIGN CENTER
PROPERTY ROSK TEXT_VALIGN CENTER
PROPERTY ROSK SHOW 'TRUE'
PROPERTY ROSK TYPE 'NUMPAD'
```

29. 01/09/2017 Forms - A new "ENTER as TAB" setting has been implemented for Enhanced DB Grid controls to process the user's input on that field and move on.

30. 01/11/2017 Database Explorer - When connecting to a database listed in the history, there is a feature where the listed history item will be removed if the database connection is unsuccessful, in the situation where a database is moved, and the path is no longer valid.

However, if a connection is attempted to a password protected database, and the user forgets the password or the password is mistyped, the history record item is removed, even though the database and path is still valid. The database connection history item must not be the first item in the list.

31. 01/20/2017 Forms - When using the DB Slider and selecting a value upon the track, it would be helpful to implement a new setting which allows the slider to jump directly to that value, rather than clicking several times where the indicator only steps across the track for each tick.

32. 01/20/2017 Views - When COLCHECK is OFF, the creation of a view will issue a warning (#1577) if the view column type does not match an existing table column type, rather than an error message, and will allow the creation of the view.

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33. 01/20/2017 Forms - When using the DB/Variable Lookup List View control there is not a method to alter the vertical alignment for column values or Row Numbers.

34. 01/24/2017 Commands - File encoding options (ANSI, UTF8) are now supported for the OUTPUT command, to properly implement extended characters in the specified output.

Examples:

```
OUTPUT Customer.dat ANSI

OUTPUT DB_ALL_BACKUP.ALL ENCRYPT pw1234 UTF8
```

35. 01/27/2017 ODBC - When an SQL Data Source SERVER table is attached, R:BASE X Enterprise now checks the data type of a column with that same name already in the database. If a column would normally be defined as SMALLINT, but a column already exists as INTEGER, then R:BASE will define it as INTEGER when SATTACHed. The same logic is also in place for the BIGINT, WIDETEXT, and WIDENOTE data types.

36. 01/31/2017 Settings - An added "-BASE" command line parameter has been implemented to initiate optimized Database Explorer settings for use in active server environments. The settings allow for faster use of R:BASE for Database Administrators who do not have the capabilities to copy an entire database locally just to perform a quick and important change. The values are set on load. This means that when R:BASE is closed the current "minimal" settings will be saved.

The following setting changes are performed during load:

. Use of "View As List" display, to omit displaying column details for objects
. Setting UINOTIF is OFF to turn off refresh notifications
. DB Explorer, do not enable Show Slave Table
. DB Explorer, do not enable Indicator For Compressed Forms/Reports/Labels
. DB Explorer, do not enable Show Row Numbers
. DB Explorer, disable custom Explorer Appearance settings
. For Startup Options, do not display product splash screen

37. 02/06/2017 Settings - A new PROPERTY APPLICATION parameter has been implemented to show/hide slave tables for forms, reports, and labels in an application startup file.

```
PROPERTY APPLICATION SHOWSLAVETABLES FALSE
```

The environment setting should be executed before the first CONNECT command, ideally within the RBASE.DAT as it is processed before the Database Explorer is displayed. Once the setting is enforced, the value will be saved for future sessions.

38. 02/15/2017 Forms - A new GETPROPERTY parameter has been implemented to capture the visible row count displayed within Enhanced DB Grid controls.

```
GETPROPERTY EnhancedDBGrid1 VISIBLEROWCOUNT 'vDispRowCnt'
```

39. 02/21/2017 Commands/Forms - New PROPERTY/GETPROPERTY command parameters form properties have been added to determine the monitor displaying a certain form, and the ability to center a form of a target monitor.

ActiveMonitor - gets/sets the monitor number where the form is shown. With the PROPERTY command, the form is moved to the target monitor and the top/left values are preserved.

```
GETPROPERTY RBASE_FORM ActiveMonitor vMonNum
PROPERTY RBASE_FORM ActiveMonitor vMonNum
```

CenterInMonitor - Moves the form to the center of the target monitor. The support is for the PROPERTY command only.

```
PROPERTY RBASE_FORM CenterInMonitor 0
```

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40.	02/22/2017	Reports/Labels - I would like to rotate my DB Barcode control on a report so it prints on the side. It would be nice to right click on it and select "Orientation" to rotate the control.
41.	02/24/2017	Forms - Using a DB Tree View control, I am trying to highlight/position a specific node within the tree based upon the node ID that I want. However, when refreshing the table/control, the incorrect text is highlighted. I select "Level 1" in the control. I determine the node ID of Level 3 and want that node to be highlighted. I've used the FINDNODE property, but due to redundant text, the first occurrence of the text is highlighted. The other idea attempted is to use the FINDPATHNODE property. The path name passed to the property is correct, but the last item that I selected (in this case "Level 1") is highlighted not the "level 3" node. The DB Tree View PROPERTY/GETPROPERTY command parameters have been enhanced for extended code functionality. FindNextNode - specifies to find the next node after the FINDNODE parameter is used to search the control for a node value (PROPERTY only) PROPERTY DBTreeControl FindNextNode ' ' SelectedID - selects the node with the specified ID (PROPERTY) and returns the ID of the selected node (GETPROPERTY) PROPERTY DBTreeControl SELECTEDID .vID GETPROPERTY DBTreeControl SELECTEDID 'vID' SelectedText - captures the text/caption of the selected node. (GETPROPERTY only) GETPROPERTY DBTreeControl SELECTEDTEXT 'vText' SelectedLevel - captures the level of the selected node. (GETPROPERTY only) GETPROPERTY DBTreeControl SELECTEDLEVEL 'vLevel' ParentIDOfSelected - captures the ID of the parent of the selected node. (GETPROPERTY only) GETPROPERTY DBTreeControl PARENTIDOFSELECTED 'vID' RootID - captures the ID of the root node. (GETPROPERTY only) GETPROPERTY DBTreeControl ROOTID 'vID' ExpandAllItems - expands all tree nodes. (PROPERTY only) PROPERTY DBTreeControl ExpandAllItems ' ' CollapseAllItems - collapse all tree nodes. (PROPERTY only) PROPERTY DBTreeControl CollapseAllItems ' '
42.	02/27/2017	Forms - In the Enhanced DB Grid color mapping for Columns, it is possible to alter the background color. It would be helpful to also have the ability to alter the font text color, for completely dynamic color behaviors.
43.	03/06/2017	R:Backup - When using the "Dynamic list" option for backing up databases, a defined folder on my computer contained many unwanted databases in subfolders, and the populated list was quite large. Can an option be added to omit subfolders?
44.	03/08/2017	Data Dictionary - It would be really helpful if the Function list in the Data Dictionary had a Description column.

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45. 03/10/2017 Commands - Error Tracking has been added for Entry/Exit Procedures to log EEP names that are executed. New PROPERTY APPLICATION parameters allow users to capture and check the value for the last EEP executed to pin-point where an error occurred.

```
PROPERTY APPLICATION TRACE_LAST_EXEC_EEP ON/OFF
PROPERTY APPLICATION TRACE_ALL_EEP ON/OFF
PROPERTY APPLICATION LOG_EXEC_EEP ON/OFF
```

TRACE_LAST_EXEC_EEP - specifies whether to activate EEP name monitoring. When ON, R:BASE sets the RBTI_LAST_EXEC_EEP variable value to the last EEP code that was "executed", meaning only the EEPs with code. The EEP Name is "<CompID>|<EEPName>". If a CompID is not defined, the 'Caption' property is used in place of the CompID (if the 'Caption' property exists).

TRACE_ALL_EEP - specifies to set the RBTI_LAST_EXEC_EEP variable value to the last EEP that was "triggered", meaning all EEPs, containing code or not. If TRACE_ALL_EEP is OFF, the RBTI_LAST_EXEC_EEP variable value will have the last event "with code" that was "executed". If TRACE_ALL_EEP is ON, the RBTI_LAST_EXEC_EEP variable value will have the last event that was triggered (with or without code). For example, a button's "On Click" EEP will be triggered if you click it. If you have code assigned to it then it will be executed.

LOG_EXEC_EEP - specifies to log the value of RBTI_LAST_EXEC_EEP in the current output

The EEP tracking can add overhead to R:BASE, so it must be tuned ON/OFF with PROPERTY APPLICATION TRACE_LAST_EXEC_EEP ON/OFF. In most cases, users would have TRACE_ALL_EEP OFF to only be concerned with events where code is assigned. TRACE_ALL_EEP set to ON is helpful if you want to know more of the internal event sequence.

A startup file may have the following:

```
PROPERTY APPLICATION TRACE_LAST_EXEC_EEP ON
PROPERTY APPLICATION LOG_EXEC_EEP ON
```

46. 03/15/2017 Report Designer - As the reports module can result in the similar issue where data is not displayed when a column conflict occurs, can Custom Table Relationships be implemented in the Report Designer, like it is supported in the Form Designer?

47. 03/20/2017 Form/Report/Label Designer - While in the Expression Builder, it would be helpful and productive to provide some sorting method by clicking on the "Variable Name" column of the list.

48. 03/28/2017 R:BASE Editor - The "Open file" dialog for the R:BASE Editor has changed in regards to file types, where options were once available for "All Files" and "R:BASE Files", offering a range of file extensions.

49. 03/31/2017 Settings - Can there be an option to specify coordinates for the FEEDBACK message box, rather than being always in the center of the screen.

```
PROPERTY APPLICATION FEEDBACK_POSITION_TOP 35
PROPERTY APPLICATION FEEDBACK_POSITION_LEFT 35
```

50. 04/03/2017 Forms - It would be nice to have a property to rotate pdfs in the PDF Viewer control.

An added PageRotation parameter is supported using the PROPERTY command to rotate a file in the PDF Viewer control.

```
PROPERTY PDFViewer1 PageRotation 90
```

51. 04/03/2017 Label Designer - When selecting "File > Label Templates..." from the menu bar, the template in use is not selected, and there is no way to find it. The list defaults to the first item and not the original template used.

The Label Designer was updated where the Label Template selector will highlight the template in use. Note that this will only affect newly created labels or labels where the template was changed.

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52. 04/05/2017 R:BASE Editor - While writing code it would be nice to highlight a block of code and then just have that portion execute. This would be extremely helpful especially if the code is in the middle of a command file and you don't want to run the code from the beginning.

53. 04/13/2017 Database Explorer - WHERE Clause History has been added to keep track of the WHERE Clause statements used for forms, reports, and labels, when running from the Database Explorer. Press [F5] to open the WHERE Clause history. The history is tied to the database name and form/report/label name. Different modules have a different set of history items.

54. 04/21/2017 Commands - Please enhance the GETPROPERTY command support querying a keyboard lock status:

```
GETPROPERTY APPLICATION NUMLOCK vNumLockStatus
GETPROPERTY APPLICATION CAPSLOCK vCapsLockStatus
GETPROPERTY APPLICATION SCRLOCK vScrLockStatus
```

55. 04/24/2017 Functions - A new GETPROPERTY function has been introduced, as a wrapper to the GETPROPERTY command. The GETPROPERTY function captures the properties of forms, reports, labels, applications, and the properties for controls contained within.

Syntax: (GETPROPERTY('arg1','arg2'))

arg1 is the Component ID value or the RBASE_FORM, REPORT, or RBA_FORM keyword that the property is being captured from.

arg2 is the name of the object's property you wish to get the value for.

Example:

```
IF (GETPROPERTY('VarLookupListView', 'COLUMN_SORT')) = 'TRUE' THEN
  PROPERTY VarLookupListView COLUMN_SORT 'FALSE'
  PROPERTY Btn_ShowSortStatus FONT_COLOR 'GREEN'
  PROPERTY Btn_ShowSortStatus CAPTION 'Enable Column Sort'
ELSE
  PROPERTY VarLookupListView COLUMN_SORT 'TRUE'
  PROPERTY Btn_ShowSortStatus FONT_COLOR 'RED'
  PROPERTY Btn_ShowSortStatus CAPTION 'Disable Column Sort'
ENDIF
```

56. 04/24/2017 File Gateway - The WK1 file import process within the graphic user interface has been enhanced with the option to read the first row as field names.

57. 05/05/2017 Conversion Tools/External Forms - The RBA Application conversion to an External Form has been enhanced with Tree View as an additional menu display method. Application Actions are also placed and referenced into Custom EEPs and Custom Form Actions accordingly.

58. 05/08/2017 Database Explorer - Added Database Explorer "Touch" utility for forms, reports, and labels (right click menu) which works like opening the selected object in the designer, making the content dirty, and saving it. The feature allows users to save hundreds of forms, reports, and labels when migrating between current R:BASE versions.

59. 05/08/2017 Commands - I find that the COLUMN_WIDTH parameter often will not shrink the displayed column width for data types TEXT, DATE, and INTEGER, even when the actual data displayed only graphically fills half of the displayed width. On some columns it works, and some it doesn't shrink the column width.

R:BASE's internal auto-width detection was overriding the user-defined values. Now, if a user specifies a width, the width for that column will not be auto detected.

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60. 05/09/2017 Data Dictionary - The Database Explorer shows a stored procedure's name, comment, size, date/time, and version. The Data Dictionary's Stored Procedure tab shows only the name and comment. Can the Size, Date/Time, and Version columns be added to the Stored Procedure tab of the Data Dictionary?

61. 05/11/2017 ODBC - When connecting to and gathering data from ODBC data sources, the process has been enhanced with the PASSTHROUGH setting, where structured query language can be used upon server tables without attaching the external tables to R:BASE.

When PASSTHROUGH is ON, only the SELECT command can work with a server table that is not SATTACHed. If you want to do INSERT, UPDATE, or DELETE to a server table that is not SATTACHed, then you must use the SSQL command.

With PASSTHROUGH set to ON, you can actually use functions that are only defined on the server system in a SELECT command, because those functions get "passed through" to the server for processing.

62. 05/25/2017 Reports/Labels - Added exception handling has been implemented for the report and label print preview process, where database controls with incorrect linking to tables/columns will display an information dialog with the list of improperly configured fields.

63. 05/25/2017 Forms - New "Modern Digital" appearance styles have been added to the Digital Clock control, supporting 16 new options to enhance the display.

64. 05/29/2017 Forms - The Filter Setup [Ctrl+L] for Enhanced DB Grid controls has been updated to be more user friendly with improved names for conditions, an added "contains" condition, and with the field name list now being accurately populated with column titles that had their captions altered.

65. 06/01/2017 Trace Debugger/Watch Variables - It would be helpful to increase the size of the dialog to add/remove watch variables, and to allow the user to stretch/resize the dialog window, to display an un-truncated view of long variable names; and to view a longer list of variables.

66. 06/05/2017 Settings - It would be very helpful to display the "Path" for the R:BASE configuration file in use(RBENGINEX.CFG or RBENGINEXE.CFG) within the Configuration Settings dialog.

67. 06/05/2017 Commands - When transferring data from one database to another, it would be very helpful to know the list of all Autonumbered, Computed, and columns with Default values.

LIST AUTONUM will generate a list of all Autonumbered columns in the database.

LIST COMPUTED will generate a list of all COMPUTED columns in the database.

LIST DEFAULT will generate a list of all columns with DEFAULT values in the database.

68. 06/12/2017 Commands - The BROWSE/EDIT commands have been enhanced to include TOP and LEFT, and also WIDTH and HEIGHT parameters for the Data Browser/Editor, to place the window at a different screen location and alter the window size.

```
BROWSE ALL FROM Customer +
 OPTION WINDOW_STATE NORMAL +
 |TOP 50 +
 |LEFT 50 +
 |WIDTH 1200 +
 |HEIGHT 700
```

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69.	06/12/2017	Form Designer - In the Tab Order Settings, when changing the tab order for objects, the "Change" button performs a "swap" for the highlighted item and the target value item within the edit field. It is sometimes preferred to have the target moved/inserted rather than having the two fields swap order positions. A "Change Order" button has been added next to a "Swap Positions" button, providing additional and detailed options toward altering the tab order for fields.
70.	06/12/2017	Forms - If Read Only is checked for a Lookup Combo Box field, when the form is run, the drop down box does not drop down or display values from the table. It is assumed that Read Only would prevent values in the lookup table from being changed, but would allow them to be displayed. A new "Allow Dropdown When Read Only" option has been implemented which specifies if the dropdown menu can be accessed, even if the value is read only.
71.	06/14/2017	Reports/Labels - It would be nice to be able to rotate DB Labels and Variable Labels in reports and labels. New rotation support for reports and labels has been implemented for the DB Label, Variable Label, and System Variable controls, with "Angle" and "Rotate From Center" options. When the label is set to be rotated at an angle, a True Type font must be specified.
72.	06/15/2017	Form Designer - The Object Inspector has been enhanced with multi-control selection support, where when multiple objects are selected, the common properties are listed in the Object Inspector. The new property value applied is then set for all selected controls.
73.	06/20/2017	Settings - The initial Configuration Settings box shows just the leftmost few tabs within a non-resizable window, and to some users with poor sight, it is not obvious (from the very slight shading differences on the left/right arrow buttons) that there are additional tabs to the right of Transaction Processing. The same is with the Editor Settings, and in many other areas.
74.	06/21/2017	R> Prompt - If the user starts typing while the cursor is positioned within the R> Prompt output console, it should automatically switch to the R> Prompt input console; otherwise the typed keystrokes are lost.
75.	06/21/2017	Scratch Pad - In a dual-monitor system, the Scratch Pad utility can be conveniently dragged to the second monitor. But if one of the Scratch Pad repositioning buttons is then clicked, the main R:BASE window moves to the second monitor. The buttons have been enhanced with the implementation to recognize Ctrl+Click. The reposition button hints were also updated. Use Ctrl+Click to leave the main form's location unchanged.
76.	06/21/2017	R> Prompt - It should be possible to multi-select entries in the Command History Panel (using standard Windows keyboard combinations) for mass-deletion from the list. Currently, commands can be deleted only one at a time, or by clearing the entire list. The same suggestion is applicable to the Favorite Commands Panel. For the "Command History" and "Favorite Commands", the ability to modify the entire contents as a text file within an R:BASE Editor window has been provided.
77.	06/21/2017	R> Prompt - The user should be able to specify a custom-ordering of commands in the Favorite Commands Panel. This could be used, for example, to position the most frequently accessed commands at the top.

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78. 06/26/2017 Designers - When modifying an existing table while the Report Designer is open for a report referencing the same table, the Save, Close, and Save and Close selections produce the generic message. In order to see the message, you must open the table is the designer, then open a report in the designer, then go back to the table designer. Then, in the table designer, make a change and try to save it.

An added warning will now be displayed when opening the Report/Form/Label Designer modules, when the same table is already opened in the Data Designer.

79. 06/26/2017 Data Browser - If Edit Mode is (incorrectly) chosen for a non-editable (multi-table) view, no warning is issued. And if, despite the view being non-editable, rows are inserted, deleted, or duplicated, various unlikely error messages are issued when attempting to save those changes.

80. 06/27/2017 Commands, Data Browser/Editor - New EEP support has been implemented to launch a command file when a cell is clicked or double-clicked. The command files will execute based upon the events that occurred in the Data Browser/Editor.

OPTION Parameters:

. ON_CELL_CLICK_EEP
. ON_CELL_DBL_CLICK_EEP

Example:

```
BROWSE CustID,ContFName,ContLName,ContEMail FROM Contact +
WHERE ContEMail IS NOT NULL +
OPTION ON_CELL_DBL_CLICK_EEP CellDblClick.rmd
```

81. 06/27/2017 Commands, Data Browser/Editor - A new feature has been implemented to capture the the column name and cell value into variables, when clicking on the cell. When implementing this feature, variables are generated with the desired information.

OPTION Parameters:

. CURRENT_FIELD_VAR
. CURRENT_FIELD_VALUE_VAR

Example:

```
BROWSE CustID,Company,CustCity,CustState,CustZip FROM Customer +
WHERE CustState = 'CA' +
OPTION CURRENT_FIELD_VAR vCurFieldName +
|CURRENT_FIELD_VALUE_VAR vCurFieldValue
```

82. 06/27/2017 R:BASE Editor - The Editor should allow the text of error messages reported by R:Style to be copied to the clipboard, so that it can easily be used in research, posted to a message board, etc.

83. 06/28/2017 R> Prompt - The tooltip "Run Favorite Command" should be (more accurately) worded as "Show Favorite Commands".

84. 06/28/2017 Form Designer - The Object List should indicate which Existing controls have been Locked.

Locked controls are now listed with bold text and a 'locked' gray background color applied.

85. 06/28/2017 R> Prompt - The Favorite Commands Panel should be non-modal and non-self-dismissing, so that a commonly-used sequence of commands can be easily selected in succession.

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86.	06/28/2017	Commands - Provide a mechanism that would optionally suppress the echoing of the SET ECHO OFF command. This would be analogous to the DOS command @echo off and would improve the readability of an echoed output stream. If a command starts with the "@" character, then it will not be ECHOed. Do not put any spaces in front of this character to make the output appear correctly.
87.	06/28/2017	Form Designer - Every tab in the Form Properties dialog should include an Apply button to preserve and/or visualize the effect of each new change without exiting the dialog.
88.	06/29/2017	Report/Label Designer - The Auto Size option should be applicable not only to single report fields, but also to each field in a group when more than one field has been selected.
89.	06/29/2017	Report/Label Designer - The designer should offer a "Preview Where" option, which allows the user to enter a WHERE Clause to be applied to the preview; the rows which are selected by default for previewing may not be representative of the user's needs. A new "Preview WHERE Clause" option has been added in the Report/Label Designer allowing a WHERE Clause to be entered and applied to the preview results. The specified WHERE Clause replaces the default display limit (100 records) for the preview results. The WHERE Builder is available to define the criteria, with a WHERE History of previous statements. WHERE Clauses can also be tested. The Preview WHERE Clause can be launched with the [Ctrl+Shift+P] hot key combination.
90.	06/29/2017	R> Prompt - The Favorite Commands list should behave like the Command History list by being customizable in visibility, background color, font, and dockability.
91.	07/05/2017	R:BASE Editor - Upon completion of an R:Style syntax-check, the range of displayed lines should not change; currently it often scrolls back to the top of the file.
92.	07/05/2017	Database Explorer - When a database has been connected in read-only mode, can the mode be shown in Status Bar.
93.	07/05/2017	R:BASE Editor - If files to be compared are already loaded as tabs in the Editor, Compare by Content should be able to load them directly as File 1 and File 2 without having to repeat traversal of the full directory tree. Drag-and-drop support from the file's tab to the "File 1" or "File 2" edit boxes has been implemented, to use the file for comparison. Note that "Compare by Content" loads files from disk, so any unsaved data in the editor will not be seen.
94.	07/06/2017	Form/Report/Label Designer - The Expression Builder should allow the user to supply an optional comment for each defined variable. This would be useful for documenting the purpose of the variable, the logic behind a possibly-complex expression, etc. Comments in curly braces are now accepted within expressions for the Expression Builders.
95.	07/10/2017	Data Designer - In creating a table in the designer, adding a new column that matches an existing column automatically applies the matching data type and length. Can an enhancement be created to automatically fill the "Description" as well?
96.	07/20/2017	Forms - Can improvements be made towards the PDF Viewer control, specifically regarding the quality of the PDF rendering for both text and graphics based PDF documents.
97.	07/21/2017	Forms - A "Native Appearance" option has been added for Bit Button, Push Button, and Drop Down Menu Button objects, where the appearance will be rendered by the operating system.

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98.	07/28/2017	Data Dictionary - The utility must be launched repeatedly to capture multiple selections from various tables/areas. It would be helpful to allow the window to be left open while various R:BASE settings, database values, etc. are captured. An "Apply" button has been added to the Data Dictionary. Clicking "Apply" will do what the "OK" button does, but the window will not close. The implementation works like other forms with an "Apply" button.

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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	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.
13.	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.
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	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.
24.	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.
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	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.

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33.	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.
34.	11/15/2016	Commands - When using the WRITE command to send VARCHAR variable data to a file with the CONTINUE parameter, an error occurs.
35.	11/15/2016	Functions - When using the (CVAL('LAST ERROR')) function to capture the last error, only zero is returned as TEXT.
36.	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.
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	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.
40.	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".
41.	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.
42.	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.
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	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.
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	Functions - When using the ICHAR function with higher character sets the returned values are not correct.
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.
53.	12/29/2016	Forms - When an application progresses several form levels deep, the PROPERTY command does not recognize valid Component IDs for controls.
54.	01/02/2017	Forms - When using PROPERTY ComponentID VISIBLE 'FALSE', the Static Text for specified field stays visible.
55.	01/03/2017	Forms - When a System Variable control is added to a Variable Form, the values are not displayed when running the form.
56.	01/04/2017	Reports - When printing the reports to the screen where a System Variable object displays the page numbers (Page 1 of 6... Page 1 of 10) in the Page Header, the total page value increments but the prior values do not clear and the text characters overwrite one another.
57.	01/05/2017	Form Designer - The context menu for DB and Variable Radio Group Box controls incorrectly includes the "Convert to Enhanced Group Box" option.
58.	01/05/2017	Commands - When performing a SELECT upon WIDETEXT (or WIDENOTE) data, where the column is indexed and equal (=) is used as the operator, no results are returned.
59.	01/09/2017	Forms - When using a multi-table form with a scrolling region, a lookup variable used within the scrolling region does not display data for the unselected rows.
60.	01/10/2017	Form/Report Designer - The "Table Name" drop down field within the Expression Builder is not large enough to properly display long table/view names.
61.	01/11/2017	Trace Debugger - When testing an application which progresses several form levels deep, using many Custom Form Actions, the Trace Debugger gets lost in the application flow and is not able to complete.
62.	01/16/2017	Database Explorer - When reviewing listed views, the Date/Time column sort option does not reorder the views as expected.
63.	01/17/2017	Views - Complex views can create temporary views with names like #1, #2, etc. when optimizing the underlying query. When the query is closed, the temporary views are not being dropped as expected.
64.	01/17/2017	Reports - I have a rmd file i run monthly for costing reports that I used in 9.5. When I run it in RBX it will slow down after the first report and by the time it gets to the 4th report it starts taking large amounts of memory and is very slow.
65.	01/18/2017	Query Builder - When a view is opened with the Data Browser and another view is being designed in the Query Builder, the designed view is deleted by mistake after altering the WHERE Clause, then the ORDER BY, saving each change to the view.
66.	01/19/2017	Forms - When running a modal form that executes a command which sends output to the R> Prompt, the "More output follows..." dialog is not available, and the form does not respond to user events.

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67.	01/20/2017	Commands - When creating a new table with the PROJECT command, where a data type for a column is not compatible with other uses of that column name, an error message now displays and prevents the command from executing, rather than issuing a warning and creating the table.
68.	01/20/2017	Views - When COLCHECK is ON, view definition does not verify column names compatibility when aliases are specified.
69.	01/21/2017	Commands - When using the UNLOAD command to an OUTPUT file, the Euro and other extended characters are not displayed correctly.
70.	01/24/2017	Reports - When a different data type is specified for a lookup variable definition than that of the lookup table data, the values are not displayed as expected.
71.	01/24/2017	Form Designer - When launching the Variable Label Properties on a computer with a short screen and larger display settings, the lower portion of the dialog containing the OK, Cancel, and Apply buttons are not visible.
72.	01/30/2017	Forms - When the "Don't Show Delete Dialog" is checked within the Form Properties, the dialog still appears when deleting records using the DB Navigator and Enhanced DB Navigator controls.
73.	01/30/2017	Forms - When launching a form from another form where the same variable name is listed in both Form Variable lists, the second form is referencing the first form variable rather than the second, causing an incorrect lookup value.
74.	01/31/2017	Settings - When Runtime for R:BASE and specifying a custom R:BASE configuration file using the -O command line option an error message appears.
75.	02/02/2017	Forms - Data does not appear as expected within a multi-table form where the column relationship for the master table has a "Table.Field" column name format instead of simply "Field".
76.	02/02/2017	Forms - When displaying a Popup Menu for a DB Edit field, text is being cut off and where "..." is placed at the end of the popup values, even though the data fits in the dialog.
77.	02/02/2017	R:Style - When I change the Indenting setting to Unwrapping to True, errors are displayed when running R:Style.
78.	02/06/2017	External Forms - After locking a speed button on an external form, the button cannot be unlocked.
79.	02/10/2017	R:Compiler - When printing a report directly to the printer from a compiled application, the report incorrectly displays on the screen when the report is embedded in the project resources.
80.	02/14/2017	Help Files - The NOSCHEMA option for the UNLOAD command is listed within the syntax diagram for STRUCTURE, but is missing for ALL and DATA, where the parameter is also supported.
81.	02/15/2017	Forms - The column specified for Row Font Color within the Variable Lookup List View control is no longer determining the Row Font Color. The rows are not the specified color, but instead are whatever color is specified on the first Property tab.
82.	02/18/2017	Reports - When using an operating system path as part of a report variable expression an error is displayed.
83.	02/18/2017	Forms/Reports - It is no longer possible to define a form/report variable with NULL as the value.
84.	02/18/2017	Codelock - When unloading RTF table data to a file, the LOB output file is a smaller size and does not contain the expected data.

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85.	02/18/2017	Commands - When unloading the structure for view with long SELECT syntax where line continuation is used (plus character), insufficient spacing is added to the line, which fails to recreate the view when the unload syntax is executed.
86.	02/18/2017	Functions - When using the IIF function on a view, the data results are zeros. The same syntax works as expected on a table.
87.	02/20/2017	Commands - When preparing codelocked application files as source files, the generated output is invalid.
88.	02/21/2017	Commands - When using the CHOOSE command with long text values with the FORMATTED parameter, the text is cuts off and not displayed by the dialog box.
89.	02/21/2017	Commands - When projecting a temp table from a temp view, an error is displayed reporting a column conflict, when review of the database shows none.
90.	02/21/2017	Forms - When launching a form which uses a TIME variable created in a command file EEP prior to the form launch, an error is displayed, and R:BASE closes unexpectedly.
91.	02/22/2017	Commands - When an R:BASE session is launched using a UNC path, the DIR command changes the current directory.
92.	02/22/2017	Query Wizard - While dragging tables to define a query, the automatic T1, T2, T3, etc. alias values are assigned. However, without exiting the query wizard, if you decide to remove and add tables again, the alias numbers are no longer consecutive.
93.	02/27/2017	Commands - During a loop of processing data, R:BASE halts and returns to the R> Prompt or Database Explorer with no warning or messages.
94.	02/27/2017	Views - When creating a view and a column value is NULL, an incorrect NOTE data type can be assigned, that does not comply with the existing column name and data type.
95.	02/27/2017	Stored Procedures - When using the WRITE command to place VARCHAR data into a file from a stored procedure, an error is displayed and the data is not written. The same routine works when not a stored procedure.
96.	03/02/2017	Database Explorer - When reviewing the System Tables at the Database Explorer, the SYS_LAYOUTS3 table is not listed.
97.	03/03/2017	R:Backup - The backup utility does not display databases when set to Dynamic mode. The option should display the databases within the current folder.
98.	03/09/2017	Commands - Unlike other commands which temporary shut off notifications to run faster, the DELETE command is taking a long amount of time to perform. The DELETE command was updated to temporarily turn UINOTIF to off while running.
99.	03/13/2017	R:Compiler - When the UINOTIF setting is OFF, the R:Compiled executable does not follow the connected database TIME settings (FORMAT).
100.	03/20/2017	Forms - While using the Tree View control with nodes and items, if there is no EEP action assigned to an item, single clicking on an item makes the node text editable.
101.	03/21/2017	Forms - When using a scrolling region with Variable Label and Variable Edit controls with a defined display format, the format is not applied for unselected rows.

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102.	03/22/2017	Database Explorer - When searching EEPs across many forms, where too many matches are found, R:BASE does not finish the search, or can stop responding. When search results encounter a large number of matches, a batch approach has been implemented to review the results in a set of groups. Users are informed that a batch of results is available for review. The matched items can be reviewed (and save any changes) in the results window. After the results window is closed, the search continues to prepare the next possible batch of results. The batch approach for large amounts of search results is implemented in forms, reports, and labels.
103.	03/23/2017	Forms - When using a lookup expression with the stored result defined as a WIDETEXT variable, the value is not stored correctly.
104.	03/24/2017	Forms/Views - When using an Enhanced DB Grid based upon a view containing expressions for the column definitions, R:BASE is not restoring the saved expressions from the view before trying to fetch a row from the view.
105.	03/24/2017	Database Explorer - When copying a view at the Database Explorer, any defined alias names are lost when opening the new copy.
106.	03/24/2017	Commands - When using the R> Prompt to navigate to a folder with a database and then typing CONNECT with no database name, instances may occur where an error message would appear regarding a bad connection string after choosing the database from the dialog. The database was still connected, but the error message is confusing.
107.	03/27/2017	Forms - Using the Directory Tree control, changing the initial path to view a network drive using a UNC path does not open to that folder, but a local drive instead.
108.	03/28/2017	Commands - Upon the initial FETCH and also in subsequent fetches, the FETCH command is not handling a fetch from a WIDETEXT column correctly inside a WHILE loop.
109.	03/29/2017	Commands - When updating the captions for Radio Button items with the PROPERTY command, the caption text is truncated when the data uses the WIDETEXT data type.
110.	04/05/2017	Forms - For the List View control there is an "On Column Dragged" EEP that does not seem needed, as no visible columns are ever displayed.
111.	04/06/2017	Views - The view definitions that use JOINs are incorrectly displayed.
112.	04/06/2017	Forms - For the Tab Set control, there is an "Owner Draw" style option available, that when selected, removes the text from the defined items.
113.	04/06/2017	Forms - The Speed Button has a "On Double Click" EEP. But, the Enhanced Speed Button does not have this EEP option.
114.	04/07/2017	Forms - When displaying a multi-table form, where the relationship is based upon BIGINT data type columns, the WHERE Clause interprets the BIGINT value as text.
115.	04/13/2017	Commands - When connecting to a database where extended character letters are used in the database path, the "Illegal database name" error appears.
116.	04/17/2017	File Gateway - When importing an XML file of 6000 rows, the time takes longer when compared to previous versions.
117.	04/17/2017	Commands - At times, the FEEDBACK dialog can disappear so fast the results cannot be read.
118.	04/19/2017	R:BASE Splash Screen - When altering the operating system Display to use Medium or Larger, the R:BASE splash screen does not show the image to fit the window height and width.

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119.	04/19/2017	Commands - When performing an INSERT into a temporary table using a large data set, the time is not as fast as previously.
120.	04/20/2017	Functions - The CHKFILE function no longer recognizes if a wildcard is used for checking multiple files.
121.	04/20/2017	File Gateway - When using the File Gateway GUI utility, the menu options can be selected to perform other import/export operations while an existing import is taking place. Doing so does interrupt the original import, but the when the secondary import completes, the gateway utility does not recover and stops responding. The current import process should finish before another can be started.
122.	04/20/2017	Reports - I have a report with a Sub Report that is only calculating the first line value. The rest of the lines are showing incorrect values.
123.	04/24/2017	File Gateway - When importing Lotus 1-2-3 WK1 spreadsheet files, the load process is incorrect for the data placement in the columns.
124.	04/25/2017	File Gateway - When loading an XLS file, which appears to have an older format, R:BASE displays a message that the file exists, but is not a storage object.
125.	04/25/2017	Commands - When performing a SELECT from a REAL data type column that contains a NULL value, the returned variable and indicator variable are not expected.
126.	04/25/2017	Reports - When a report is printed to a selected printer or to a file using the Print/Printer setup from the Print Preview screen, Report Actions are incorrectly executed again once the report is printed.
127.	05/02/2017	ODBC - When moving data from an SATTACHed source image into R:BASE, only a portion of the image is extracted.
128.	05/02/2017	Main Window - When launching R:BASE within a database path containing extended characters, the main caption bar displays the characters incorrectly.
129.	05/04/2017	Forms - It is not possible to pass foreign characters in the parameter list to Custom Form Actions. The error message "-ERROR- Syntax is incorrect for the command RETURN (2045)", appears.
130.	05/05/2017	Query Builder - After right clicking in the blank Query Builder toolbar area/panel, a check box "Query Builder Toolbar" pop-up appears. If the check box pop-up is selected, the toolbar is hidden. However, there seems to be no way to have the toolbar display again.
131.	05/08/2017	Commands - The CHOOSE ... OPTION SINGLE_CLICK ON works great except, as soon as you attempt to navigate the displayed menu with Up or Down Arrow keys, it selects the top option and exits the menu. Can the command be updated to be able to use these arrow keys to navigate down to the desired menu row, then click or press the [Enter] key to select it?
132.	05/09/2017	Data Dictionary - The "Show/Hide Grid Lines" and "Multi-line Tabs" buttons on the Data Dictionary do not operate independently of one another. If a preferred display is to have multi-line tabs with grid lines, the status buttons do not allow for both to be enabled.
133.	05/09/2017	Database Explorer - After editing the source for a stored procedure, using right click, or changing the return variable or arguments, the date/time column at the Database Explorer does not update.
134.	05/10/2017	Commands - When concatenating a mixture of WIDE and non-WIDE data types, the end result is inaccurate.
135.	05/10/2017	Commands - The expansion of WIDETEXT and WIDENOTE data type variables within WHILE loops are not acquiring and placing quotes as needed.

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136.	05/10/2017	Forms - The hint processing for cell hints and the main hint for the Enhanced DB Grid control was updated. The "Cell Hints" and "Show Hints" properties cannot be checked at the same time. If "Cell Hints" is checked, then the grid's hint will not display. To display the grid's hint, set "Cell Hints" to unchecked and "Show Hints" to checked.
137.	05/22/2017	Forms - When a form variable is defined with column name that is longer than 37 characters, an error is generated when evaluating that expression in the form designer or runtime mode.
138.	05/25/2017	Commands - A resource leak in the PAUSE â€¦ GAUGE message box has been fixed where R:BASE can behave unexpectedly when the PAUSE is displayed for a long time period and/or repeatedly.
139.	05/26/2017	Help Files - When I type "pagelock" into the Help Index, I get 3 options to click on. When I click on the 2nd option, it gives me a description that I believe has one error in it, where PAGELOCK is suggested to be set OFF, when it is meant to be ON.
140.	05/31/2017	Database Explorer - It seems that the "Uncompress Labels ..." option has no effect when uncompressing existing labels.
141.	05/31/2017	Reports/Labels - Shapes and graphic objects (e.g. line, diagonal line) do not stretch relative to the parent band as expected.
142.	06/01/2017	Codelock - In some cases, if a string of code contains curly braces (â€œ{â€œ and â€œ}â€) the code will not run after being codelocked.
143.	06/02/2017	ODBC - When attaching SQL Server data using varchar(max) values, the data now gets read into R:BASE tables.
144.	06/05/2017	Forms - When a Variable Lookup List View control has a column defined with Min/Max Width and Width settings, at the runtime, if the text exceeds the defined width, the hint only displays first few characters of the underlying text and not the entire hint text as it should.
145.	06/05/2017	Commands - When using extended character letters for the button captions of the DIALOG command, the text is truncated.
146.	06/05/2017	Functions - When using the logical functions IFEQ, IFNULL, IFGT, IFLT, etc. additional checking has been implemented for handling wide data types.
147.	06/05/2017	Forms - When a Variable Lookup List View control has a column defined with Min/Max Width and Width settings, at the runtime, if the text exceeds the defined width, the text is carried over (or bleeds) across other columns and show at the end in scroll bar area.
148.	06/05/2017	Forms - Using the 'COLUMNS[2]->COLOR' parameter to alter the background color for a DB Grid, the expected color change does not take place with quotes around the color name. PROPERTY EnhancedDBGrid1 'COLUMNS[2]->COLOR' 'RED'
149.	06/06/2017	Data Browser - When the Data Browser is open and records are being search where multiple matches are encountered and the search continues, the final Information dialog appears behind the search status dialog, which does not respond to mouse clicks.
150.	06/06/2017	Forms - When using the CLOSE/OPEN PROPERTY command parameters after a view is updated the Enhanced DB Grid refreshes, but the expected data does not show up in the grid, just empty rows.
151.	06/06/2017	Commands - When unloading data from tables which contain large amounts of NOTE data for the field, the output stops short, which prevents the subsequent load process from working correctly.
152.	06/06/2017	Report Designer - When the Column Traversal or the Duplex value is defined, the report works as it should. However, the defined values are not saved or shown in the combo-box.

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153.	06/06/2017	ODBC - If you SATTACH a table, and if a column COMMENT starts with the pound character "#", browsing and/or selecting from that SATTACHed table generates an error.
154.	06/07/2017	Commands/Variables - When using a dotted variable for a VARCHAR variable which is more than 10,000 or so characters, the value is unexpected.
155.	06/07/2017	Commands - The FCONVERT command is not recognized as a legal command in EEPs.
156.	06/09/2017	Data Browser - I have my currency set to 4 digits to the right of the decimal point. When I view data within the Data Browser, a portion of the numbers is cut off.
157.	06/12/2017	Commands - When building a text string into a NOTE variable with pipe characters, extra spaces are incorrectly added to the concatenated end result.
158.	06/12/2017	Form Designer - When choosing the Change Tab Order menu option while a DB Edit field is selected, the content is empty. The content is not empty when a Variable Edit field is selected.
159.	06/19/2017	R> Prompt - When Command History is being displayed as a floating panel and another application is given focus, the Command History panel disappears until the main R:BASE window is reselected. This occurs even when the other application is located on a different monitor.
160.	06/19/2017	Form Designer - Sending the Object List to a printer, PDF, or text file while ECHO is set ON intersperses a WRITE command between each line of output. This does not occur when spooling to the clipboard. Also, only 1 of the 3 buttons at the bottom of the Object List displays a hint.
161.	06/19/2017	Settings - In Default Report/Label Settings, the Printer Name dropdown is too narrow to reveal the full printer name.
162.	06/19/2017	Data Browser - In Browse Mode, the Cancel Changes button always remains active, even if no (Edit Mode) changes had been made. This is unlike the Save Changes button, which remains properly grayed-out when there are no pending changes.
163.	06/19/2017	Data Dictionary - Navigating the Data Dictionary while ECHO is set ON spools a large number of "SET ERROR MESSAGES OFF" and "SET ERROR MESSAGES ON" commands to the output console.
164.	06/19/2017	File Version Help - In the display of Help > File Versions, in the Opened Modules list, most entries in the "Path" column are truncated (as indicated by the trailing "...") but they cannot be expanded by double-clicking the right border of the corresponding heading (even though the double-headed-arrow cursor suggests this should be possible).
165.	06/19/2017	R> Prompt - While Command History is being filtered, the Delete Selected Command button does not delete the highlighted command.
166.	06/20/2017	Form Designer - Clicking Apply in an Object Properties box does not always apply the latest changes; it may be necessary to click the OK button for the changes to become visible. One example where this can be seen is when checking the AutoSize box for a Static Text control.
167.	06/20/2017	Report Designer - After clicking to select one item in the Object Outline, the up/down arrow keys advance the highlight up/down exactly one time, after which focus is lost and the up/down arrow keys become ineffective. (In contrast, all the Data Tree items can be sequentially selected with the up/down arrow keys.)
168.	06/20/2017	File Versions - Printing the Help, File Versions, Opened Modules list to the Printer, while ECHO is set ON, intersperses a WRITE command between each line of output. Also, printing the opened modules list to a PDF produces a truncated document.
169.	06/20/2017	Forms - An "Interface not supported" error message appears within the Web Browser control when opening embedded documents (.pdf).

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170.	06/20/2017	Help Files - The syntax diagram for LIST RULES does not mention any parameters, but I have found that LIST RULES FOR tblname does, in fact, limit the listing to the specified table.
171.	06/20/2017	Form Designer - The Object Inspector does not immediately reflect changes to an object made through the GUI interface, context menu, or controls; it may be necessary to deselect and reselect the object before the Object Inspector refreshes. As an example, if a Static Text object is made taller using the GUI, the Height property in the Object Inspector does not synchronously change; only when the mouse is clicked elsewhere on the form and then back to the Static Text object is the Height property updated.
172.	06/21/2017	Help Files - On a multi-monitor system, it is useful to have the R:BASE Help window open on one monitor, R:BASE itself open (in full screen mode) on another monitor, and one or more other Windows applications (in small "restored" windows) overlaying part(s) of the main R:BASE window. But clicking anywhere in the Help window causes the full-screen R:BASE window to steal focus, which then obscures the small application windows.
173.	06/21/2017	R:BASE Editor/R:Style - The R:Style Setup window (almost) always appears on top of other windows (including non-R:BASE applications), making it hard to work with other applications at the same time.
174.	06/22/2017	Commands - The SELECT ... HTML 'title' command syntax does not honor the current (non-default) QUOTES character for 'title'.
175.	06/22/2017	Commands - When using the HTML parameter of the SELECT command, the output ends abruptly, and the output file cannot be opened until R:BASE is closed.
176.	06/23/2017	Commands - The SET VAR command does not enforce the requirement that a variable name must begin with a letter, and cannot begin with, or end with, a period.
177.	06/23/2017	Commands - When using the COUNT=INSERT criteria for a view, the resulting error message is incorrect and misleading.
178.	06/26/2017	Commands - The BEEP command does not report an error if the first parameter is outside the documented range or if a parameter is non-numeric. Also, for some illegal frequency values, it does sound an audible tone.
179.	06/26/2017	Main Window - When launching R:BASE within a database path containing specific extended characters, the main caption bar displays the characters incorrectly.
180.	06/26/2017	Settings - Transaction processing seems to be inoperative. With TRANSACT set ON and AUTOCOMM set OFF, I connected to a database, made a few changes to existing tables, and issued the ROLLBACK command, but the changes were not rolled back.
181.	06/26/2017	Commands - When the PRINT command writes to a file name, the explicit upper case file extension specified by the command is lost and lower case letters are enforced.
182.	06/26/2017	Commands - The BEEP command does not report an error if the filename (or path) does not exist.
183.	07/05/2017	Stored Procedures - When adding a stored procedure, three extra characters are incorrectly inserted before the source code content.
184.	07/05/2017	ODBC - Using an SATTACH with SQL Server tables containing VARCHAR data, the tables are not read correctly.
185.	07/10/2017	Forms - I have an Enhanced DB Grid with a column that has a date value. I have it set to read only. When I edit the form, I can use the date picker, change the value, and save it. I should not be able to change it if it is read only.

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186.	07/11/2017	Reports - I have a report that has close to 30-40 regions. I can run the report, but I cannot open the report in the designer, specifically on Windows 10 operating systems.
187.	07/14/2017	Commands - When printing to a 6400 page pdf using variables for certain portion of the command, the command exits before all pages are generated.
188.	07/21/2017	Settings - Using a complied application with embedded plugins, there are extra scratch files created, which are not erased when the application closes.

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