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What's New in R:BASE X.5 (Version 10.5)
UPDATE 3
Official Release Version
Build: 10.5.3.20513

Requested Enhancements	09/27/2019 - 05/13/2021

Item	Date Implemented	Description
01.	08/31/2020	Forms - Can we have a check box to not display today's date as highlighted? A new "Empty Date On Null Variable" property has been introduced for the Enhanced Variable Calendar and Enhanced DB Calendar controls. If the property is True, instead of using NOW for NULL variables, the calendar will use zero as the date. The default value is False. The "Today's Date Frame" color should be set to Window (or whatever color is used for the calendar background) to improve user clarification. PROPERTY EmployeeDT EMPTYDATEONNULLVAR 'TRUE'
02.	09/01/2020	Commands - Similar to new feature enhancement with GETDATE option in which the font type and size for the calendar and buttons are command syntax options, I am requesting the same enhancement to the DIALOG command with Popups, as DateTime (and Date). The DATE/TIME/DATETIME popups will take the font settings based on the input control: . INPUT_FONT_NAME . INPUT_FONT_COLOR . INPUT_FONT_SIZE
03.	09/11/2020	Forms - An added "Low Resolution View Finder" property for DB/Variable Image Controls is available to specify the camera capture functionality will use a low-resolution feed for the view finder, but still take a picture using the target resolution. The option makes the camera more responsive. Note that when this property is checked (True), there will be a slight pause in the view finder when the picture is taken. This is because the camera will reset to the target resolution and take the actual picture. PROPERTY EmployeeImage LOWRESOLUTIONVIEWFINDER 'TRUE'
04.	09/11/2020	Report/Label Designer - In the Object List toolbar on the Existing tab, please show the Component ID, if set, for each individual item/control instead of (or in addition to) the Object Name. This will make it easier to quickly find a particular control, especially on a report with many controls/objects.

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05.	09/14/2020	Report/Label Designer - When an image is resized (Standard Controls - Image) by directly entering a height or width in the Object Inspector or using the Position dialog with Maintain Aspect Ratio and Stretch both checked if the resized image is smaller than the image container/control the image will end up with white space to the right or below. A new "Maintain Aspect Ratio On Resize" property setting has been added in the Image control to keep the aspect ratio on resize.
06.	09/15/2020	Forms - A new GETPROPERTY parameter has been implemented to verify if a photo was captured successfully with the DB Image or Variable Image controls. The property should be used after the using CaptureFromVideoEx. The returned value is True/False. GETPROPERTY EmployeeImage PHOTOCAPTURED vCapturedOK
07.	09/17/2020	Forms - It would be nice to have an Orientation option for the Enhanced DB Navigator, like in the old DB Navigator, to select vertical or horizontal.
08.	09/21/2020	Forms - A new PROPERTY parameter has been implemented for DB Lookup List View and Variable Lookup List View controls which specifies to scroll the current selection into view. PROPERTY CustomerListView SHOWSELECTEDITEM 'TRUE'
09.	09/22/2020	Forms - When entering new data in a form and where a RULE violation occurs, the form focus allows for the cursor to move to the next table and out of the current field. In this DOS to Windows conversion, the prior release and form focus would automatically move to the field for which the RULE violation occurred. It was attempted to have an EEP perform the same validation, but there are several rules for the table, and there are many forms where the rules apply. A new "Rules Validation on Focus Change" form setting has been implemented which determines the focus behavior when moving between form fields when a rules violation occurs. The option allows or does not allow the focus to change. When a rules violation occurs and the focus does not change, it allows the user to better recognize the violation upon forms with many fields.
10.	09/25/2020	Forms - It would be nice if the images for the navigator buttons will resize proportional to the button size. The Enhanced DB Navigator has been enhanced allowing users to load their own images to be assigned to the navigator buttons.
11.	09/29/2020	Forms - A new APPLICATION PROPERTY has been implemented to check if data has changed prior to using SAVEROW in a form EEP. When the property is ON, SAVEROW will post data only if the table is in edit mode and data values were changed. The default is OFF. PROPERTY APPLICATION CHECK_STATE_ON_SAVEROW ON
12.	10/14/2020	Forms - GETPROPERTY command parameters have been added for DB Image and Variable Image controls to check the accessibility of camera devices for a computer, as a camera may be installed, but not available due to privacy settings. DeviceCameraCount - Captures the number of camera devices that can be detected CheckCameraAccess - Tests if a camera can be accessed using a zero-based index on the camera Examples: GETPROPERTY EmployeePhoto DEVICECAMERACOUNT vCameraCount GETPROPERTY EmployeePhoto 'CHECKCAMERAACCESS[0]' vCameraAccess

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13. 10/19/2020 Forms - The Image, Variable Image, and DB Image controls now support the ability to simulate a mouse click. The PROPERTY command MAKECLICK parameter specifies to fire the "On Click" EEP for the control, simulating a mouse click. The last parameter will accept any value for the PROPERTY command.

```
PROPERTY CustomerImage MAKECLICK ' '
```

14. 10/20/2020 Reports - When printing a report, the "Printing" progress dialog, including a Cancel button, is displayed. There is a PRINT command parameter (SHOW_CANCEL_DIALOG) to suppress the dialog box during the print process. However, the progress dialog may be needed, but the application still may not want the "Cancel" button to be available.

To not interfere with the existing functionality, as a global flag has been implemented that can be turned ON/OFF using the PROPERTY command. The default is ON. When the parameter is OFF, the progress dialog is still displayed, but the Cancel button is disabled.

```
PROPERTY REPORT CANCEL_IN_PROGRESS_DIALOG ON|OFF
```

15. 10/22/2020 Commands - It would be nice to implement the button size/fonts/font size for the CHOOSE command, like the DIALOG command.

CHOOSE command OPTION parameters have been added to customize the button color, height, and width. The text on the buttons can be altered to use a specified font and style. The CHOOSE Builder Plugin was also updated.

```
BUTTONS_COLOR <color>
BUTTONS_HEIGHT <n>
BUTTONS_WIDTH <n>
BUTTONS_FONT_NAME <name>
BUTTONS_FONT_BOLD <ON|OFF>
BUTTONS_FONT_ITALIC <ON|OFF>
BUTTONS_FONT_UNDERLINE <ON|OFF>
BUTTONS_FONT_STRIKEOUT <ON|OFF>
```

16. 10/29/2020 File Gateway - Please implement an option where long text values can be formatted such that it can be wrapped in the Excel file output.

A new WRAP_TEXT ON|OFF parameter was added to XLS and XLSW export formats which specifies to wrap long text values within the output of the spreadsheet. The File Gateway utility also includes a "Wrap Text" option for the two formats.

```
GATEWAY EXPORT XLS D:\DataStore\Contacts.XLS +
SELECT * FROM Contacts +
OPTION COL_NAMES ON +
|WRAP_TEXT ON
```

17. 11/20/2020 Forms - A new Navigation Method property has been added to the settings for the DB Task Tracker's Date Navigator area. The available values of Month-Based, Week-Based, and Default offer more flexibility for the calendar display when selecting dates. A GOTOWEEK property has also been implemented to focus the DB Task Tracker upon a whole week for a provided date.

The following alters the DB Task Tracker to a week-based display and goes to the specified week:

```
PROPERTY FabricationTracking NAVIGATIONMETHOD 'WEEK-BASED'
PROPERTY FabricationTracking GOTOWEEK '12/17/2020'
```

18. 11/25/2020 Oterro - Improvements were made in Oterro regarding multi-thread parallel processing where one slow query can block another fast query from finishing. Thread handling was enhanced to release its critical resource so that another thread can perform processing.

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19.	12/10/2020	Forms - For the Variable Radio Group and DB Radio Group controls and the Radio Buttons tab, the various text-entry fields (Caption, Value, Hint) should be larger and/or expandable to accommodate input much longer than the current narrow fields.
20.	12/10/2020	R:BASE Editor - The report generated by the Structure Toolbar may make it difficult to isolate the important statements in a command file because it generates a line for every potential command (if checked in Editor Settings), whether the command appears in the file being edited or not. The user should be able to specify that zero-occurrence commands be omitted from the report.
21.	12/15/2020	BLOB Editor - When a new text file is created with the RBBEDIT command and opened, there is not an OK button. There is an OK button on the "Rich Text" tab when creating a rich text document. The BLOB Editor was updated to display the OK button when a file name is provided, which simplifies the file saving process. The launched BLOB Editor tab (Image, Text, Rich Text, Unicode, or Hex) will be displayed based upon the file extension, or the DefaultTab parameter for the RBBEDIT command.
22.	12/17/2020	Reports/Labels - The [Ctrl+Alt+I] hot key to provide report information does not include the report version number. The form information does include the version number.

23.	12/28/2020	Commands - It would be helpful in the DELETE DUPLICATES command capability to limit that deletion to a particular subset of data, with a WHERE Clause, rather than having to pull data out, perform the deletion, then put the data back in.
		
		The following deletes the duplicate rows based on the TransID and EmpID columns in the TransMaster table, where transaction dates are greater than January 1, 2020.
		
		`DELETE DUPLICATES FROM TransMaster +`
		`  USING TransID, EmpID +`
		`  WHERE TransDate > 01/01/2020)`

24.	12/29/2020	Commands/Data Browser - When the DELETE command is used at the R> Prompt to remove all rows within a table, or the "Delete All Rows" menu option is used in the Data Browser, there is a Yes/No confirmation message prior to the rows being deleted. Please enhance the process to display a dialog where the user must enter the word "delete" in order to continue deleting all of the rows in a table. For the DELETE command, this would only pertain to R> Prompt entries, not when a command file is running.
25.	12/29/2020	Tables - If all rows are deleted (accidentally) from a table, there is not a method to restore the records in R:Scope due to how the table is reset. If partial records are deleted, the negative size value can be made positive. But with all rows deleted, the data appears to be lost permanently. Can the logic be enhanced where R:Scope has the ability to restore rows if all records were deleted for a table?
26.	01/06/2021	Forms/Reports/Labels - When documenting Custom EEPs in forms, reports, and labels using the "Document Custom EEPs" option in each designer, it would be helpful if the default file included the DB object type [form/report/label] plus "EEPs" and the DB object name, for the "PDF File", "Text File", and "In Text Editor" options.
27.	01/07/2021	Database Explorer - When running an external form from the DB Explorer menu options or when using the main RBG toolbar, the dialog does not include the "Update Command History" check box like when running forms, reports, and labels. Please add the check box.
28.	01/07/2021	File Gateway - When a Specification File is loaded within the File Gateway utility, for both Import and Export, it would be helpful to have the current file name and path displayed.

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29. 01/08/2021 Forms - For the Variable Date and Time Edit control, is there a way to display the control opened? I don't see an "Autodropdown" property like combo boxes. I see there is an "ImmediateDropDown" property in the Object Inspector, but setting it to "True" does not cause the box to display open.

The DB/Variable Date and Time Edit controls were updated to recognize the Properties > ImmediateDropDownWhenActivated value. When True, the dropdown is automatically shown upon focus.

Properties that are visible in the Object Inspector can be retrieved/assigned using the GETPROPERTY and PROPERTY commands. If the property is a subproperty, the symbol "->" can be used:

```
PROPERTY <CompID> 'Properties->ImmediateDropDownWhenActivated' True
```

30. 01/08/2021 Commands - When using the ATTACH command and the USING parameter, where the index file is not found, the missing index file name will now be listed in the error message.

31. 01/21/2021 Forms - The File List Box control has been enhanced with an additional SELECTEDFILES property to return a comma delimited string of the selected files.

```
GETPROPERTY FileListBox SELECTEDFILES vSelectedFiles
```

32. 01/22/2021 Forms/Reports/Labels - When documenting the EEP Map in forms, labels, and reports using the "Document Custom EEPs > EEP Map" option in each designer, it would be helpful if the default file included the DB object type plus "EEPMap" and the DB object name, for the "PDF File" and "Text File" options.

33. 01/26/2021 Stored Procedure - Please add the menu option to reset a stored procedure version number, like R:BASE supports for forms, reports, etc.

34. 01/27/2021 Forms/Reports/Labels - When defining long expressions in the Expression Builder, there is not a vertical scroll bar displayed informing the user that more content exists.

35. 02/01/2021 Commands - Using the UNLOAD STRUCTURE and UNLOAD DATA commands separately to create files, and then building the database using RUN commands, the ERROR -2988- is generated due to stored procedures not being loaded before using the ALTER TABLE commands. To comply with the above request, the below changed were implemented:

a. Procedure data is unloaded as part of the structure and is done right before the triggers are unloaded.
b. Procedure data is not unloaded as part of the data unload.
c. Performing an UNLOAD ALL, you will now see the procedure data in its new location (right before triggers) rather than in the middle of the data for all the other tables. When performing an UNLOAD ALL, the output file has always had structure definitions, followed by table data, followed by the rest of the structure data.
d. If your output is going to the SCREEN and you do an UNLOAD which requires LOB output, a SCREEN.LOB file in the current directory.
e. This is not a change, but the LOB file created by UNLOAD STRUCTURE will simply be added to by UNLOAD DATA.

36. 02/22/2021 Reports/Labels - For the "QR Code" and "Data Matrix" 2D bar code labels, the "Print Human Readable" option will now display the human readable version of the bar code (e.g. actual letters, numbers, etc.)

37. 02/22/2021 R:BASE Editor - Added R:Style configuration options to specify user-defined paths to the R:Style files, (i.e. RStyle.new, RStyle.var, RStyle.cas, etc.) in the local configuration, and options to load and edit the R:Style files (global and local) within the R:BASE Editor.

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38. 03/01/2021 Oterro - The Oterro ODBC driver has been enhanced to have a read only ODBC connection with the CONNTYPE attribute supported within the connection string.

CONNTYPE - Specifies the level of database access for the connection.

Possible values:

0 = Read/Write (all SQL statements allowed)
1 = Read/Call (Only SELECT and CALL statements allowed)

Default: 0

Example:

```
SCONNECT ';driver=Oterro X.5 Enterprise Database Driver
(*.RX1);dbq=C:\Temp\ReadTest\RRBYW20;CONNTYPE=1'
```

39. 03/16/2021 Commands - The UNLOAD command has been enhanced to allow partial unloading for all database areas, to better evaluate the rebuild process. The UNLOAD STRUCTURE FOR DATABASE command was implemented to unload the character settings and the CREATE SCHEMA command. The UNLOAD DATA NOSCHEMA command was implemented to remove character setting portions commands before unloading the data.

The following performs a database unload into three separate parts, to evaluate the rebuild process for flaws in the database stability/integrity.

```
-- Unload the structure for the database and tables as Part 1
OUTPUT DB_Part1.rmd
UNLOAD STRUCTURE FOR DATABASE
UNLOAD STRUCTURE FOR TABLEDEF
OUTPUT SCREEN
-- Unload the data from the tables as Part 2
OUTPUT DB_Part2.rmd
UNLOAD DATA NOSCHEMA
OUTPUT SCREEN
-- Unload the remaining structure as Part 3
OUTPUT DB_Part3.rmd
UNLOAD STRUCTURE FOR VIEWS
UNLOAD STRUCTURE FOR INDEXES
UNLOAD STRUCTURE FOR ACCESS
UNLOAD STRUCTURE FOR AUTONUM
UNLOAD STRUCTURE FOR COMMENTS
UNLOAD STRUCTURE FOR RULES
UNLOAD STRUCTURE FOR PROCEDURES
UNLOAD STRUCTURE FOR TRIGGERS
OUTPUT SCREEN
```

Using a command file like the above allows the database unload to be divided into three parts; two for the structure definitions and one for the data.

Each DB_Part file can be run or traced individually to monitor the database creation process, for possible flaws in the database stability/integrity.

To rebuild the database you would run the three command files.

```
RUN DB_Part1.rmd
RUN DB_Part2.rmd
RUN DB_Part3.rmd
```

40. 03/19/2021 R:BASE Editor - The tabs in the R:Style Setup may be re-ordered by dragging, similar to dragging the tabs in R:BASE Editor, and retain the tab positions for future executions of R:Style.

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41. 03/19/2021 R:BASE Editor - Hot keys were assigned to run the R:Style Setup within R:BASE Editor. The [Ctrl+Alt+G] key combination runs the Global setup, and [Ctrl+Alt+L] runs the Local setup.

42. 04/19/2021 R:BASE Editor - When viewing the Code tab in the Form Designer, the default background color is too dark, making it difficult to read the color-coded text, when the R:BASE Editor > General > Use Read-Only Color > Color setting is enabled. The default value was changed to Web Lemon Chiffon.

43. 04/21/2021 R:BASE Editor - Updated R:Style option to "individually" specify user-defined paths to the R:Style files, (i.e. RStyle.new, RStyle.var, RStyle.cas, etc.) in the local configuration.

44. 05/04/2021 Forms - New properties were added to the Variable and Database Lookup List View controls to specify the background color and the font color of the checked row. The below are the supported PROPERTY command parameters.

```
PROPERTY CustListView CHECKEDITEMFGCOLOR 'BLACK'
PROPERTY CustListView CHECKEDITEMBGCOLOR 'YELLOW'
```

45. 05/06/2021 Forms - Added Variable/Database Lookup List View property where the check box state and row selection are synchronized. A change in the row selection will update the check boxes and vice versa. With "Synchronize Selection and Check Boxes" enabled, the variable will always pick up only one selection.

46. 05/07/2021 R:BASE Editor - Please add a new R:Style setting with "Other Settings" where a user may specify to "not" check for a RETURN at the end of the command file.

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Item	Date Fixed	Description
01.	08/21/2020	Commands - When performing a query with an ORDER BY using a TEXT (1) column followed by a DATE column as the sorting criteria, the dates are not sorted as expected.
02.	08/25/2020	Forms - I have a form that has a child table with a DB Image control. If I select a row that has an image in the child table, the image displays. However, if I select a row after, which does not have an image row in the child table, the image still shows.
03.	08/31/2020	Report/Label Designer - Fixes have been added to the Designer for the rendering of reports with non-Unicode characters in non-US locales.
04.	08/31/2020	Report/Label Designer - When the default printer for the operating system contains higher ANSI characters in the printer name and properties, the Report/Label Designer does not open correctly.
05.	09/01/2020	Forms - When specifying more than a single word for the Default value for the DB Edit control, only the first word appears when entering a new record.
06.	09/04/2020	Forms - When inputting Japanese data in a NOTE data type column, some values are interpreting the carat character incorrectly.
07.	09/09/2020	Reports - When printing a report to the PDF format which contains Japanese locale characters, the report information is garbled text.
08.	09/11/2020	Report/Label Designer - If you load a picture in Report Designer (Standard Controls - Image) by right clicking on the Image control and then selecting the Picture... option, the dialog box has many image choices. If you use the Picture option in the Object Inspector and then click the Load button on the resulting dialog, there are far fewer image choice options. I think they should have the same list of acceptable image types.
09.	09/11/2020	Report/Label Designer - Enabling or disabling Direct Draw for an image (Standard Controls - Image) that has been resized causes the image to revert to its original dimensions. The image can still be resized, but I don't think this is intended behavior.
10.	09/16/2020	Commands - When displaying UTF-8 characters which are not standard ASCII characters, and not all of the text would fit on one line and had to wrap (uses a space if one can be found), a variable value could end up being wrapped in the middle of a multiple set of bytes for a UTF-8 character.
11.	09/25/2020	Commands - When using SDETACH ALL NOCHECK for a database in STATICDB mode, an error is displayed. If "SDETACH TableName" is used, the ODBC table is removed as expected.
12.	09/29/2020	Commands - When using UTF-8 characters for CASE statements in SWITCH/ENDSWITCH control structures, the expected CASE is not recognized.
13.	09/30/2020	Data Designer - When indexes based upon long column names are created, the full value and order (ASC/DESC) is not visible.
14.	10/01/2020	Commands - When checking a variable value for True/False with the "not equal" (<>) condition, the value is being interpreted as a Boolean value, even though the BOOLEAN setting is OFF.
15.	10/14/2020	Reports - Landscape designed reports are printing as portrait.

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16.	10/20/2020	Reports - When printing a report containing a Crosstab object the data does not appear as expected.
17.	10/20/2020	Reports - When a report is being printed, the Print Cancel dialog width too small where long paths and file names will wrap several times.
18.	10/22/2020	Commands - When performing a TALLY with sorting, the NULL value is returned as ASCII 152.
19.	10/23/2020	Forms - When deleting the value within a DB Edit field which has an Input Form Mask defined, an error is occurred.
20.	10/23/2020	Forms - In List View controls the ASCII 152 character is displayed for NULL values.
21.	10/28/2020	Data Browser - When selecting to perform a Crosstab in the Data Browser and the function field is not specified, the text for the information dialog has "specified" misspelled.
22.	10/28/2020	Data Browser - After a display format is applied to a date in the Data Browser, and a column is then sorted, the display format disappears.
23.	10/28/2020	BLOB Editor- When an image is opened in the BLOB Editor and View >Histogram is selected, the Channel and Style drop down menus are empty.
24.	10/29/2020	Query Builder - When there are computed definitions for columns, the Column Name list box is not wide enough to see the complete value, and may hide important information.
25.	11/06/2020	Database Explorer - When altering the version number for a form, report, or label, the value entered may be a negative number (-8). When altering and saving the form, the negative number does increase (-8 to -7). This appears to be a bug, as a new form starts at 1.
26.	11/06/2020	Data Dictionary - When reviewing columns for a database that has tables but no views, the right panel does not refresh with an empty list when the combo box changes from Tables to Views. The prior table's columns are listed even though no views exist.
27.	11/20/2020	R:Style - When running R:Style X.5 and the "Local" settings, the created configuration file is RSTYLEX.CFG. It should be RSTYLEX5.CFG.
28.	11/20/2020	Forms - When moving from field to field, Variable Edit controls perform an automatic recalculate of variables. When moving from a Variable Date and Time Edit, variables do not automatically recalculate.
29.	11/23/2020	Commands - When unloading data from a table with higher ASCII character data, there are values which are not unloaded as expected.
30.	11/23/2020	Settings - After building temporary internal views for complex queries the FEEDBACK status is incorrectly showing elapsed time during the deletion of the temporary views.
31.	11/23/2020	Data Browser - When using the Data Browser to update values in a table, which contains higher ASCII character data, an error is encountered.
32.	11/24/2020	Settings - When FEEDBACK is ON the elapsed time is incorrectly reset when sorting begins.
33.	12/02/2020	R:Compiler - I have a form in which a table is set to read only when the activities are completed. However there is one field, which must be able to be changed. This works fine in the development mode, but does not work when compiled.
34.	12/02/2020	Database Explorer - When changing a form comment that contains higher ASCII characters, using the "right click menu" options, an error is displayed.

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35.	12/03/2020	Commands - When using the CONVERT command at the R> for a RB1-RB4 database going to X.5 Enterprise, the conversion was not performed and an error was displayed as the database has condensed indexes (FASTFK) in use.
36.	12/03/2020	Database Explorer - When checking the "Database Properties" option to check a database version flag, the "Database is not supported." message is displayed. The database is configured to use condensed indexes (FASTFK). The "Database Properties" option was updated to allow the dialog to be launched for all available database version flag. A help button was added as well, so that version flag values and other database information may be understood.
37.	12/03/2020	Database Explorer - Within the Indexes tab of the Database Properties utility, at the end of the list there are indexes with columns defined in descending order which do not display properly.
38.	12/04/2020	Data Dictionary - Please limit the Data Dictionary width. Otherwise, it may be shrunk down so much that options are illegible.
39.	12/07/2020	Forms - When an invalid date is stored in a table, a form's "On After Start" EEP does not fire when the invalid date is populated in a Date/Time Picker control.
40.	12/08/2020	Data Browser - We recently upgraded to R:BASE X.5 Enterprise from R:BASE 9.5 (64). When we open tables that contain VARCHAR data type columns, the column shows raw rich text characters. Can this column be set to show the icon as we used to see in the previous version? A new "Show VarChar Preview" setting has been added to the Data Browser settings which specifies whether VarChar data is displayed in the Data Browser as an icon or as raw rich text characters. The icon display is the new default.
41.	12/10/2020	R:BASE Editor - When the Structure Toolbar has all commands checked for display, and also every command under "More Commands" checked to display, the output has "SET", "SET VAR", and "SETFOCUS" are mixed and duplicated.
42.	12/11/2020	Forms - The is a noticeable labored refresh behavior when moving between rows when check boxes are placed on a Scrolling Region. There is a hesitation, and the refresh is not as fluid.
43.	12/11/2020	Database Explorer - When using any of the three "Find in..." search utilities to locate specific text in Custom EEPs, Control Properties, or Expressions, the "Cancel" button is blinking in and out of display during the search, where the button is not recognized when pressed to stop the search.
44.	12/15/2020	R> Prompt - When the output console contains non-ANSI characters, the output appears to mix up the characters and the carriage return.
45.	12/28/2020	Commands - When performing a INSERT ... SELECT, where the SELECT contains several INNER JOINs, an error is displayed.
46.	01/04/2021	Settings - When the DATE FORMAT is defined using lower case letters the forward slashes display as the letter "m".
47.	01/04/2021	Commands - When using a PAUSE with the Steel Blue or Steel Black themes the displayed caption is not what is defined with the CAPTION parameter.
48.	01/05/2021	Data Designer - When opening a table in the designer, the table is automatically made dirty if the table comment contains higher ANSI characters.
49.	01/13/2021	Commands - After all rows are deleted for a table, and the database is then packed or reloaded, the rows return.

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50.	01/15/2021	Plugins - In the CHOOSE Builder Plugin, the possible option "#VALUES" should be "#VALUES FOR" in the list.
51.	01/15/2021	Database Explorer - When altering a form, report, etc. name with the [F2] key, and with the name being edited, if you change your mind, and revert back to the original name after a few seconds, an error appears stating the new name is a duplicate.
52.	01/15/2021	Commands - After all rows are deleted from a table, and the AUTOCHK command is used, an error is returned for each row that was deleted.
53.	01/18/2021	Database Explorer - When altering a table, database, form, etc. name with mouse clicks, to make the name editable, and then pressing the [Delete] key to remove a letter from the object name, you are prompted if you really want to delete the object.
54.	01/20/2021	Settings - After adjusting the MIRROR setting in the Configuration Settings dialog, an incorrect MIRROR setting is applied to the R:BASE configuration file.
55.	01/20/2021	Settings - After a database copy is made and placed into a "mirror" folder, an error is encountered when connecting to the primary database with MULTI ON.
56.	01/20/2021	Settings - After the MIRROR setting is turned off for a source database, the mirrored database cannot be connected to once it is no longer being a mirror. It appears the mirror setting is not removed from the mirrored database after MIRROR is turned off.
57.	01/21/2021	R:BASE Editor - When selecting to save a file in the editor, the "Add Encryption" check box is no longer available in the "Save As" dialog.
58.	01/22/2021	Commands - An error is encountered using the R:BASE X.5 (non-Enterprise) program when using SWITCH control structures and text CASE values.
59.	01/22/2021	Forms/Reports/Labels - The output for the EEP Map, which displays all defined EEPs for a form, report, or label in a single location, lists "Find in EEPs Results" at the top. The text should read EEP Map.
60.	01/25/2021	Data Browser - When opening a table and applying an update upon a column value where the existing value is a space, the "Data has been changed by another user since the last refresh. Do you want to save the changes?" message appears after altering moving to another row.
61.	01/27/2021	Forms - When launching a form with Variable Date and Time Edit controls, the EEPs are firing unexpectedly, which prevents the grid from displaying the expected data.
62.	01/27/2021	User Privileges - With a password protected database, a prompt for an Owner password appears when the OWNER is assigned with the SET USER command. The prompt does not allow full access to the database. If you connect to another database and use SET USER <OwnerName> and then connect to the password protected database, you will then regain full access.
63.	01/28/2021	Reports - When a report with an Advanced DB Rich Text label is printed, the extended characters for the rich text data do not display. A new "Unicode" setting has been added for Advanced DB Rich Text and Advanced Variable Rich Text labels to display Unicode characters in rich text.
64.	01/29/2021	Data Browser - When long NUMERIC data is in a table, the full value is not displayed.
65.	01/29/2021	Commands - When performing an UNLOAD STRUCTURE for a database which contains triggers and a temporary table, an error is encountered when the triggers are supposed to be unloaded.
66.	02/01/2021	ODBC - When pulling BIGNUM data from a foreign data source, the full value after the decimal is not preserved.

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67.	02/12/2021	ODBC - When performing updates to a SQL Server table containing TEXT and VARCHAR data types, R:BASE will now internally use the "LIKE" operator, as SQL Server does not allow the "=" operator in a WHERE clause for such comparable data types.
68.	02/12/2021	ODBC - Updates to a foreign data source table with a VARCHAR column are not made successfully.
69.	02/12/2021	Functions - The IFEQ function does not work properly if using a DATE data type against NULL.
70.	02/16/2021	Database Conversion - When performing the "DOS to Windows" conversion of reports, one of the automatic steps performed is the addition of parenthesis to expressions, so the user does not have to. In the legacy R:BASE for Windows report conversion, the variable expressions do not have the parenthesis added automatically.
71.	02/17/2021	Report Conversion - When converting a legacy R:BASE for Windows report, the reports variables are not carried over in the conversion process.
72.	02/17/2021	Forms - When launching a form in enter mode with an Enhanced DB Grid based upon a temporary table, a DEFAULT column definition will trigger the grid's "On Exit" EEP twice.
73.	02/18/2021	Forms - On a form, when a Variable Edit is the first focused field, hitting [Enter] out of the field blanks it.
74.	02/19/2021	Settings - With RBADMIN is set to ON, users who log onto the database with a specific string within their name are not able to connect.
75.	02/22/2021	Commands - When using the DIALOG command, where the OPTION keyword is used as the CAPTION value, an error is encountered.
76.	02/25/2021	File Gateway - When I try to import a CSV file into a new table with the File Gateway utility the characters are garbled and does not imported correctly.
77.	03/02/2021	Reports - When using the "PRINT with SMTP EMAIL" functionality, instances may occur where the outgoing email address is altered.
78.	03/02/2021	Commands - When unloading a database STRUCTURE and DATA into separate files the Database Events are included in both output files.
79.	03/05/2021	ODBC - When reviewing connected data source names, please allow the "Disconnect Data Source(s)" dialog to be increased in width so the full data source name can be made visible.
80.	03/08/2021	Commands - When rebuilding a database from the unloaded STRUCTURE and DATA into separate files, errors are encountered when running the structure portion if the NULL value is "-0-" for the UNLOAD action, and then NULL is set to a blank for the RUN action.
81.	03/09/2021	Form Wizard - When a form is created through the Form Wizard, please enable the "Show Hint" check box for the Enhanced DB Navigator control.
82.	03/12/2021	Settings - R:BASE incorrectly allows a connection to the database with TRANSACTION ON when another session already had a connection with TRANSACTION OFF.
83.	03/16/2021	Report/Label Designer - When adding a new Variable Label to a report/label, where an existing label object is selected to mirror the font, the height and width of the new label is zero.
84.	03/18/2021	Data Designer - When using the table designer to move a VARCHAR column to the end of a table, a "Duplicate Indexes are not allowed" error appears.

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85.	03/22/2021	Commands - When using the CROSSTAB command where the column length is long, , the column is separated and listed for both headings.
86.	03/30/2021	Gateway Import - When using an ellipsis as a custom separator for a table import, the rows are not loaded. The custom separator had worked in prior versions.
87.	04/13/2021	Commands - When using the SELECT TOP command with a form open in the designer an expected warning is returned that no rows exist or satisfy the specified clause.
88.	04/14/2021	Form Designer - When I add a hint to a System Variable, it is not saved.
89.	04/19/2021	Help Files - In the syntax diagram for CREATE INDEX, DSC for column sorting order should be DESC.
90.	04/19/2021	Data Browser - NOTE columns are displayed inconsistently, depending on whether the Data Browser is in View as Grid or View as Row mode. In the former case, the NOTE value is displayed as expected, but in the latter case, the NOTE value is displayed only as "(Memo)", specifically in the case where the NOTE value is null.
91.	04/19/2021	R:BASE Editor - The Command Builder appends an extraneous character in "LIST ACCESS". The keyword TEMPORARY is misspelled for the CREATE TABLE command. Both issues presumably arise from the corresponding entries in COMMAND.INI.
92.	04/23/2021	Help Files - The help does not document that the cellcol parameter for the CROSSTAB command may consist of an expression as well as a column name (useful for scaling results).
93.	04/27/2021	Forms - When quickly clicking between table specific objects after altering a record on a multi-table form, the table is saved but the VARCHAR data becomes corrupted.
94.	04/28/2021	Forms - When displaying TIME data type values in an Enhanced DB Grid with the "Picker for DATE Fields" setting enabled, the minutes portion of the time value displays as "nn" and cannot be modified. The issue was also noticed in DB/Variable Date/Time Picker controls when time was enabled.
95.	04/29/2021	Commands - When using the LIST CONSTRAINTS command, the "More output follows..." dialog appears for the "NOT NULL Constraints" regardless of the LINES setting.
96.	04/29/2021	Commands - The list of aggregate functions listed in the CROSSTAB error message displays functions that are specific to the COMPUTE command.
97.	05/03/2021	Settings - When FEEDBACK is set ON, an invalid SELECT, UPDATE, etc. command generates a spurious feedback message naming a table referenced in an earlier command.
98.	05/03/2021	Messages - When performing an INSERT with TRANSACTION ON, each INSERT command produces the incorrect message with the column name listed where the table name should be.
99.	05/03/2021	BLOB Editor - After adjusting the BLOB Editor settings to use "Fit Size" for the default image zoom, the images open as "Actual Size" when opening an image from a DB Image form control (double click on image). The BLOB Editor default setting is not recognized.
100.	05/03/2021	Forms - When "Show Check Boxes" is enabled and the display of vertical lines is not, the column values are visually indistinct and appear almost as one value for Lookup List Box controls.
101.	05/03/2021	Commands - The TALLY command does not validate the colname parameter correctly; it fails to reject any numeric value, and even accepts and fully evaluates an arbitrary numeric expression without reporting an error.

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102.	05/03/2021	Data Browser - When using BROWSE/EDIT ... NOCHG, the intent is to prevent an end user altering the columns and WHERE clause, and from switching the edit mode and altering the data. With the "Update Query" feature, it appears NOCHG should also disable this capability, similar to "BROWSE ... OPTION UPDATE_QUERY OFF"
103.	05/03/2021	Settings - If a row is INSERTed into a table while running with TRANSACT set ON and AUTOCOMMIT set OFF, a following EDIT USING or BROWSE USING (and possibly others?) command cannot access that new row. Instead, it reports "<WARNING> No rows exist or satisfy the specified clause. (2059)". (The problem does not occur for EDIT or BROWSE commands without the USING qualifier.) The INSERTed row is lost, even after a subsequent COMMIT.
104.	05/04/2021	R> Prompt - The "Star" icon in the folder-management property bar lacks a hint for Favorite Folders. The "Favorite Folders" is displayed under the Database Explorer, but not the R> Prompt.
105.	05/04/2021	Data Browser - When clicking on a Data Browser column-header to sort the listing, the resultant display will scroll horizontally, leaving the newly sorted column off-screen. This behavior does not occur when using the Sort menu-item; in fact, after using the Sort menu-item, the original trigger/symptom no longer recurs. The described behavior occurs if a column is sorted but is not focused, when the focused cell is not visible. R:BASE will perform the sort on the non-focused column listing as expected, but the focus shifts unexpectedly away from the sorted column to the focused cell.
106.	05/04/2021	R> Prompt - When the mouse cursor is positioned within the Input Console, pressing [ctrl-F] brings up the Find in R> Prompt Output window as expected, but it also sounds an error-beep.
107.	05/05/2021	Views - The scale of a numeric value is not being preserved for an expression when the expression is used in a view.
108.	05/05/2021	Functions - When performing a comparison of REAL and DOUBLE data types with the IFEQ function within a view the expected value is not returned.
109.	05/05/2021	Commands - When ECHO is set ON and PROPERTY APPLICATION LOG_EXEC_EEP is set ON, every line logged to the output file is preceded by its WRITE statement.
110.	05/06/2021	Commands - When the LIST TABLE command is used for a table which has a comment with a very long value, the comment is truncated.
111.	05/06/2021	Hints - When displaying R:BASE in a non-maximized window some hints are not be fully visible. For instance, if the Command History pane is docked to the right and the R:BASE window is positioned close to the right side of the monitor (or is maximized), the "Copy Command History to Clipboard" hint can spill over beyond the right edge of the monitor. The symptom is reproducible when the Display Control Panel text size is set to 125%, upon a machine with dual monitors, with the Windows Desktop extended. The truncated hint occurs no matter which monitor R:BASE is running on, so long as the Command History pane is docked to the right and the main R:BASE window is positioned close to the right side of the monitor (or is maximized).
112.	05/07/2021	Reports/Labels - The Self Adjusted Font attribute does not appear to have any effect. In my tests with a DB Memo control, long text was truncated, not resized within the control.
113.	05/10/2021	Data Browser - The option to show "Column Descriptions in Row View" is not preserved in a Layout. If the Row View is opened each time for a table, the user must turn the setting on each time. The option is under "Layout" in the browser.

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