



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.5 (Version 10.5)
 UPDATE 3
 Official Release Version
 Build: 10.5.3.20119

Requested Enhancements	08/21/2020 - 01/19/2021
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Item	Date Implemented	Description
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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.

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

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.
- ```
GATEWAYEXPORT 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.

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.

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.

| 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.                                                                                                                                                                                                                                                                                                                                                                                 |

16. 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.
17. 10/20/2020 Reports - When printing a report containing a Crosstab object the data does not appear as expected.
18. 10/22/2020 Commands - When performing a TALLY with sorting, the NULL value is returned as ASCII 152.
19. 10/23/2020 Forms - In List View controls the ASCII 152 character is displayed for NULL values.
20. 10/23/2020 Forms - When deleting the value within a DB Edit field which has an Input Form Mask defined, an error is occurred.
21. 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.
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 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.
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 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 11/23/2020 Commands - When unloading data from a table with higher ASCII character data, there are values which are not unloaded as expected.
31. 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.
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.

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 - 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.
37. 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.
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 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.
43. 12/11/2020 Forms - There 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.
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.



- 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 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.
- 52. 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.
- 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.