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# What's New in R:BASE X.5 (Version 10.5)
## UPDATE 2
## Official Release Version
## Build: 10.5.2.20716

| Requested Enhancements | 09/27/2019 - 07/16/2020 |
| --- | --- |

| Item | Date Implemented | Description |
| --- | --- | --- |

01.  10/01/2019  Commands - It would be helpful in situations to be able to use the ALTER TABLE ... ADD COLUMN command syntax to add a column dynamically by creating the column definition from the attributes of a column in another table.

The enhancement is for the ALTER TABLE command, which is an enhancement for the CREATE TABLE command as well. The implemented behavior will "duplicate" the definition of a column that already exists in the database in another table. The enhanced syntax uses "DUPLICATE" as a keyword followed by the table and column name for which the column definition is to be duplicated.

The "DUPLICATE" feature will copy the data type, length, any default value, and the NOT NULL flag, if any. It will not support computed columns. It will also not duplicate any description for the column.

ALTER TABLE Example:

```
ALTER TABLE TSALES_ORDERS +
ADD COLUMN CUST_DESC +
DUPLICATE CUSTOMERS.CUST_DESC
```

CREATE TABLE Example:

```
CREATE TEMPORARY TABLE Temp1 +
(tEmpID INTEGER, +
tEmpWebAddr DUPLICATE Employee.WebAddress, +
tEmpStartDate DATE)
```

The above will create the tEmpWebAddr column with the same type and default value as WebAddress in the Employee table.

| 02. | 10/02/2019 | Commands - It would be nice if the CopyToClipboard parameter supported rich text controls and data. |
|---|---|---|

The implementation of COPYTOCLIPBOARD now supports in Rich Edit, Edit, Image, and Memo controls. The parameter also includes an additional SELECTED value, which only copies the highlighted text. Otherwise, if TRUE is passed as the value, all text in the control is copied.

```
PROPERTY CompID COPYTOCLIPBOARD TRUE|SELECTED
```

| 03. | 10/03/2019 | Forms - New "Duplicate" tile and "Edit Custom EEP" buttons have been added to the Tile Menu Control as time-saving features when tile items have many custom values and to directly modify the tile "On Click" EEP. |
|---|---|---|

| 04. | 10/04/2019 | R:BASE Editor - It would be helpful if the "Insert" menu bar options, to insert the date, time, a GUID, commands, or a file, were available when launching the R:BASE Editor for Custom EEPs. |
|---|---|---|

| 05. | 10/07/2019 | Database Conversion - When converting forms, reports, and labels from legacy DOS/Windows releases, it would be very helpful to create a text log file to review all status messages and errors to handle each converted form, report, or label accordingly. |
|---|---|---|

| 06. | 10/10/2019 | Forms - PNG image support has been implemented for the Tree View and DB Tree View controls. The properties allow for PNG images to be loaded, including a shared dimension for the images. When PNG images are specified, the bitmap based images are ignored. The default PNG dimension is 24. |
|---|---|---|

```
PROPERTY TreeViewMenu USEPNG 'TRUE'
PROPERTY TreeViewMenu PNGSIZE '32'
```

| 07. | 10/16/2019 | Forms - The Web Browser controls within the R:BASE Form Designer were updated with dynamic properties to allow manipulation of HTML controls in EEPs. The dynamic properties are useful in the following: |
|---|---|---|

. Integrating local data with web sites that do not have an API
. Automating web page tasks within R:BASE
. Extracting data from web pages

| 08. | 10/21/2019 | Error Messages - All "file not found" error messages have been enhanced to identify the missing file name and the full path. The error messages have also been updated to conform to an identical text and results, ERROR MESSAGE 2583, where applies. |
|---|---|---|

| 09. | 10/22/2019 | Forms - A "Highlight Text Color" property has been added to the Split View control. The property specifies the text color for menu item when highlighted, where the mouse cursor is hovered over the menu item. |
|---|---|---|

```
PROPERTY SplitView1 HIGHLIGHTTEXTCOLOR 'BLACK'
```

| 10. | 10/22/2019 | Settings - The TIMEOUT setting logic has been improved to now close normally as if the main form is closed. With the normal close process, the behavior is like clicking the "X" close button of the main R:BASE window. If there are prompts like questions to save/close, then that dialog will stay displayed for a maximum of 10 seconds. After 10 seconds, the process is terminated. |
|---|---|---|

| 11. | 10/28/2019 | Forms - The tile properties for Tile Menu form controls may now be altered by the Tile ID value. The functionality allows for tiles to be manipulated with the PROPERTY and GETPROPERTY commands similar to Property ID values. The command below will disable the tile, assuming the Tile ID is equal to DBMaint. |
|---|---|---|

```
PROPERTY DBMaint ENABLED 'FALSE'
```

| 12. | 10/31/2019 | R:BASE Editor - The Insert GUID functionality inserts values with apostrophes, square brackets and braces. However, the apostrophe and square brackets are not always desired for GUID data. |
| --- | --- | --- |
| | | The R:BASE Editor settings were enhanced where the default character assigned to the inserted GUI value can be specified with three check box options. |
| 13. | 11/04/2019 | Commands - Added CODELOCK 6 option to specify an input folder location and file extension followed by an output folder, to CodeLock the entire source into individual locked files. The CodeLock GUI module also includes the added option. |
| | | CODELOCK 6 D:\CmpSource\*.rmd D:\CmpLocked |
| 14. | 11/29/2019 | Find in/Search Utilities - Can the Tree View node properties, specifically the EEP File property, be included in the "Find in Control Properties" (Ctrl-L) searches, for the Database Explorer and forms? Currently, it appears the EEP File property is not searched. This is also true for the Drop-Down Menu Button. |
| 15. | 12/09/2019 | File Gateway - When specifying to import a new table, please have the interface check to see if the table name already exists. |
| 16. | 12/09/2019 | File Gateway - When importing a new table and the altering the field settings, please allow the precision and scale to be specified for the NUMERIC and BIGNUM data types. |
| 17. | 12/09/2019 | Forms - When you right-click on a row in a Variable Lookup List View, it does not set the focus into that row. So, the value is not trapped in the variable. You must first click on the row, and then right-click on it. The intent is to use the control with both a double-click and a right-click EEP. The Variable Lookup List Box and Variable User Defined List Box controls were also updated. |
| 18. | 12/09/2019 | File Gateway - Having used an invalid table name (e.g. NAME, LABEL, TABLE) to create a new table when importing some data from an Excel file, I was wondering if it would be possible to display this message when the name is chosen rather than waiting until after the data has been read and the field names reviewed. (Quite a bit of time can be spent adjusting the column names and data types only to find that the table name is invalid at that point.) |
| 19. | 12/16/2019 | Data Designer - Please enhance the column definition interface to inform users if a reserved word is specified as a column name. Right now, only table names are checked. |
| 20. | 12/17/2019 | Forms - With an Enhanced DB Grid using Sequence Mode, I have a need to fire an EEP after the row has been dragged and dropped and the sequence is altered. Other EEP evaluations occur repetitively, as multiple values are being altered for the individual Sequence Mode/Sequence Field drag operation. The "On Drag Drop" EEP was tried, but does not fire when the row is dropped. |
| | | The "On Drag Drop" EEP will now fire after the Sequence Field dataset is updated with Sequence Mode. |
| 21. | 01/07/2020 | Forms - The Tab Set control was enhanced with two properties TabTo and AllowChange and an added "Before Tab Change" EEP, which is triggered before the tab is changed. The changes make is possible for access to a tab to be prevented. |
| | | TabTo returns the index of the target tab. |
| | | AllowChange tells the Tab Set control if it should allow the change or not. The default behavior is to allow the change. |
| | | Note that the properties TabTo and AllowChange are only to be used in the "On Before Tab Change" EEP. |

| 22. | 01/10/2020 | Settings - A new BOOLEAN operating condition setting (ON/OFF) has been implemented which specifies that constants (e.g. TRUE, FALSE) in expressions will be treated as type BOOLEAN values. The default is OFF. |
|---|---|---|
| 23. | 01/30/2020 | Forms - It would be nice to have the form Version number displayed in the [Ctrl+Alt+I] information window. |
| 24. | 02/04/2020 | File Gateway - The Import capabilities have been enhanced to support the .accdb file format for MS Access files. |
| 25. | 02/04/2020 | Trace Debugger - When tracing an EEP, the corresponding tab should identify the form, control, and EEP-type being traced. Currently, the tab is generically titled (for example) "Custom EEP (94597176)". |

The new friendly naming convention for the Trace Debugger tabs are:

  . Component ID(Caption/Text)|EEP Name  (Component ID and Caption/Text will display if exist)
  . Form/External Form Name|EEP Name
  . Form/External Form Name|Custom Form Action Name
  . Report/Label Name|Action Name
  . Table Name  (RUN SELECT)
  . Stored Procedure Name

| 26. | 02/05/2020 | Data Browser/Layouts - The Data Browser should support additional column-formatting options. Of particular importance is customization of the number of decimal digits displayed in numeric fields; currently, trailing zeros are dropped, making it hard to compare related values in different rows. Such settings could be preserved in a saved Layout. |
|---|---|---|

The Data Browser Layouts have been enhanced to apply display formats to numeric, date, and time values. The display format is available for review in the Layout Details, within the Data Browser settings.

| 27. | 02/06/2020 | RBA Applications - Using hints in RBA application menus gives detailed explanations for the respective menu item to the user. For an experienced user, this is maybe tiresome. However, in a runtime area there is no method to switch off the hints. |
|---|---|---|

The STATUSHINTS parameter has been added to specify if hints are displayed in the application status bar. The TOP and LEFT parameters have also been added to control the application window location.

```
PROPERTY RBA_FORM STATUSHINTS FALSE
PROPERTY RBA_FORM TOP 10
PROPERTY RBA_FORM LEFT 10
```

| 28. | 02/06/2020 | Forms - New "Popup Menu" support has been implemented for Tree View and DB Tree View controls, to offer a right click popup menu to run procedures. |
|---|---|---|
| 29. | 02/07/2020 | Settings - Can the current LAYOUT setting (ON/OFF) be made available in the Saved Layouts tab, within the Data Browser settings? It would save even more time to provide the ability to toggle the LAYOUT setting directly from this area. |
| 30. | 02/07/2020 | Forms - It would be helpful to know when the mouse cursor is over a form/MDI form, to then give focus automatically. The purpose would be very handy for drag and drop operations between forms, variable refresh, data refresh and so forth when there are multiple MDI forms displayed. |
| 31. | 02/11/2020 | Forms - The DB/Variable "Date And Time Edit" controls were enhanced with a new "On DateTime Cleared" EEP to handle instances an event is triggered if the date change is from a non-NULL value to NULL (cleared). |

| 32. | 02/17/2020 | Forms - Just like the GETPROPERTY capability to acquire a filtered WHERE clause in an Enhanced DB Grid, it would also be helpful to capture the sorted rows. |

GETPROPERTY TABLE 'FormTableName->SORTEDROWS' 'vSortedRows'

| 33. | 02/17/2020 | Forms - A new GETPROPERTY parameter was added to capture the column name where the focus is clicked for the column filter in Enhanced DB Grids. |

GETPROPERTY ComponentID CURRENTFILTERCOLUMNNAME 'vFilterColName'

| 34. | 02/18/2020 | Commands - The ability to capture the current WHERE clause and current column sort in forms, and for forms using an Enhanced DB Grid, has been implemented. |

The below captures the current WHERE Clause and ORDER BY expression for the table.

GETPROPERTY TABLE 'FormTableName->CURRENTWHERE ' 'vCurrentWhere'
GETPROPERTY TABLE 'FormTableName->CURRENTSORT' 'vCurrentSort'

The below captures the current WHERE Clause and current sort for the Enhanced DB Grid. CURRENTWHERE will return the combination of the form-level WHERE Clause and grid-level filter. CURRENTSORT will return the current ORDER BY expression.

GETPROPERTY ComponentID CURRENTWHERE 'vGridCurrentWhere'
GETPROPERTY ComponentID CURRENTSORT 'vGridCurrentSort'

| 35. | 02/20/2020 | File Gateway/Commands - A new IMPORT parameter, PERCENT_MODE, was introduced for the XLS format in relation to the treatment of percentage cells and how they differ within XLS and XLSX (9.5 vs 0.095 respectively). |

 - PERCENT_MODE <DEFAULT|100|RAW>

DEFAULT - the default behavior is used. "9.5" for XLS and "0.095" for XLSX.
100 - the output is â€œ9.5â€ . The stored value is multiplied by 100.
RAW - the output is â€œ0.095â€ . Note that percentage values are really stored as (raw) decimals

The default value of PERCENT_MODE is DEFAULT.

GATEWAY IMPORT XLS  +
Rates.xlsx REPLACE +
TaxTableImport +
OPTION SHEET_INDEX 0 +
|SHOW_PROGRESS ON +
|PERCENT_MODE RAW

| 36. | 02/25/2020 | Data Dictionary - With the implemented request for the data dictionary (F3) to remember the last table name selected in the Columns tab, could it be enhanced so that the selected table/view is positioned to be visible in the Table/View Name panel when the table/view name is off-screen because it is further down the alphabetical list. |

| 37. | 03/02/2020 | Commands -  The AUTOCHK command has been enhanced to check indexes. A specific index or all indexes may be checked. The database must be connected in order to check indexes. |

The process reviews each index (file 3) and walks through every pointer to the data file (file 2). An error is reported if:

. The pointer from the index does not point to a valid location in the 2 file
. The pointer from the index points to a valid location in the 2 file, but the row that lives there has been deleted
. The row count from walking the entire index does not match the row count for the table as stored in file 1

| 38. | 03/06/2020 | Functions - The (CVAL('VIEWLOCKS')) function has been implemented to show locks upon views. |
|---|---|---|

39.   03/09/2020   Commands - The LIST command will now show additional letters for the type of lock detected on tables.

    . (L) for a local lock
    . (R) for a remote lock
    . (C) for a cursor lock
    . (r) for a row lock

40.   03/09/2020   Functions - The type of lock on a table can be captured using the new GetLockType parameter added to the GETVAL function; (GETVAL('GetLockType', 'tableviewname')). The function returns the following values: None, Local, Remote, Cursor, Row.

41.   03/17/2020   Report Designer - A "Preview WHERE" button has been added to the Standard toolbar, to easily launch the Preview WHERE Clause dialog to customize the data displayed when previewing reports and labels.

42.   04/13/2020   Plugins/Reports - A new internal TreeBuilder plugin was created to create a "tree table", with all necessary information to build a tree like presentation in reports.

Syntax:

```
PLUGIN TreeBuilder vResult +
|TABLE <TableName> +
|ID <IDColumn> +
|PARENT <ParentColumn> +
|ORDER <OrderColumn> +
|TREE_TABLE <TreeTableName>
```

Parameters:

    . TABLE - source table
    . ID - ID field in the source table
    . PARENT - parent field in the source table
    . ORDER - field that controls sorting (optional)
    . TREE_TABLE - output table

vResult is the text variable to return the status, such as "OK" or the exact -ERROR- message.

43.   04/16/2020   Commands - It would be a nice feature to be able to use the comment of a column in the table definition as a hint in the form when the particular column is used.

The benefits are:
- central place of all hints
- consistency of the hints throughout the whole system
- reward of using proper column comments (documentation)
- time saving

A new PROPERTY APPLICATION COLUMN_COMMENT_AS_CTRL_HINT parameter was added to specify that (table and field) form controls with a will automatically be assigned the field's comment as the hint (at runtime). If a control has an existing hint, the hint will not be updated. The default is OFF.

    PROPERTY APPLICATION COLUMN_COMMENT_AS_CTRL_HINT ON

44.   04/24/2020   Reports - When adding PDF Form Controls to the Report Designer, there is not a method to assign a tab order to the PDF output. The PDF "tab order" follows the sequence in which the objects are added to the report.

A new "PDF Controls Tab Order" menu was added to the "Report" menu bar options, where the tab order for the PDF output can be specified.

| 45. | 05/19/2020 | File Gateway - A new Load From File button is available to load a specification file that is not located in the current folder. The contents of the file is loaded and applied to the wizard and the Specifications is closed. It is expected that the contents will be modified (at least the import source). After the expected modifications, the specification file can be saved to the current folder and given a proper name (using the "Save As New" button). |
| --- | --- | --- |
| 46. | 05/20/2020 | Trace Debugger - It would be helpful to quickly view the values of variables with many characters if the Watch Variable list would optionally allow to wrap the display. |
| 47. | 05/29/2020 | Data Browser - The Data Browser includes the ROWVIEW option to display a single row vertically. It would be really nice to add an option that would display the column comments from the table definition (when present) to the right of the data for each column when ROWVIEW is specified. |

47.    05/29/2020    The Data Browser includes a new "Column Descriptions in Row View" menu option to display the column comments from the table definition to the right of the data, when the Row View mode is specified.

The BROWSE and EDIT command include a new ROW_VIEW_DESCRIPTIONS option to display the column comments from the table definition to the right of the data, when ROWVIEW mode is specified.

    BROWSE ALL FROM BONUSRATE OPTION ROWVIEW|ROW_VIEW_DESCRIPTIONS ON

48.    06/09/2020    Forms - Two new PROPERTY command parameters were implemented to change the predefined color/descriptions of an existing DB Task Tracker label; COLOR_DESC[n] and COLOR_VALUE[n].

COLOR_DESC[n] - Changes the predefined description of a label, where n is a zero-based index as displayed in the drop down.

Example:

 PROPERTY TaskTracker COLOR_DESC[n] 'My Description'

COLOR_VALUE[n] - Changes the predefined color of a label, where n is a zero-based index as displayed in the drop down. The color can be a named color, an integer, or an RGB value.

Example:

 PROPERTY TaskTracker COLOR_VALUE[n] 'BLUE'

Predefined Labels:

Index  -  Color  -  Description
 0  -  8689404 - Important
 1  -  14982788 - Business
 2  -  6610596 - Personal
 3  -  13952740 - Vacation
 4  -  7649020 - Must Attend
 5  -  16051844 - Travel Required
 6  -  8703700 - Needs Preparation
 7  -  16033476 - Birthday
 8  -  12897956 - Anniversary
 9  -  7661308 - Phone Call

| 49. | 06/09/2020 | Forms - PROPERTY command parameters were implemented to "add" a custom "Label" color and description to the DB Task Tracker. |
|---|---|---|

       PROPERTY TASK_TRACKER ADD_COLOR 'My Status|RED'

The color portion can be a named color, an integer, or an RGB value.

Note: The ADD_COLOR command should be executed at the start of the application as the custom colors/descriptions are not persistent between R:BASE sessions. The saved values in your database table are of course persisted.

| 50. | 06/10/2020 | Forms - PROPERTY command parameters were added to specify the active view display in the DB Task Tracker scheduling area. Tasks can be viewed by day, week, weeks, year, Gantt chart, or time grid using the following: |
|---|---|---|

```
PROPERTY DBTaskTracker1 'VIEWDAY->ACTIVE' 'TRUE'
PROPERTY DBTaskTracker1 'VIEWWEEK->ACTIVE' 'TRUE'
PROPERTY DBTaskTracker1 'VIEWWEEKS->ACTIVE' 'TRUE'
PROPERTY DBTaskTracker1 'VIEWYEAR->ACTIVE' 'TRUE'
PROPERTY DBTaskTracker1 'VIEWGANTT->ACTIVE' 'TRUE'
PROPERTY DBTaskTracker1 'VIEWTIMEGRID->ACTIVE' 'TRUE'
```

| 51. | 06/15/2020 | R:BASE Editor - It would be helpful if the "Run Selection" feature, to run selected code, was supported in the EEP Editor. |
|---|---|---|

| 52. | 06/25/2020 | Database Explorer - Was looking at the list of Command Files I had created and thought it would be helpful if there was a comment/description column similar to that when we create a table. |
|---|---|---|

The Command Files area of the Database Explorer displays comments for command files where braces {...} in the first line will be interpreted. The setting must be enabled by selecting Settings > Database Explorer > Show File Comment from the main menu bar.

| 53. | 06/30/2020 | Settings - Support has been implemented for time formats where a single "H" or "M" can be specified. For example, when you only have one "H", I will still use two digits if the hour is 10 or greater, but will only use a single digit when the number is smaller than 10. |
|---|---|---|

| 54. | 07/03/2020 | Settings - Because Configuration Settings offers such a large number of settings, it would be useful for each tab to include an Apply button to save any changes made up to that point, without having to exit and re-enter the dialog. |
|---|---|---|

| 55. | 07/06/2020 | Database Explorer - Version numbers in forms, reports and labels are extremely helpful. When I Unload a form, report or label, I append "Vnn" to the file name to indicate the version, where nn = version number, e.g. DBName_Form_CustMaint_v20. Could the version number automatically be appended to unloaded forms, reports and labels? |
|---|---|---|

| 56. | 07/06/2020 | Settings - The Form Designer opens in full screen mode. When I "Restore Down" the Form Designer, the right edge is way off to the right, requiring mousing around to get it to fit the R:BASE main window.  Could the Form Designer be made to behave like the Report/Label Designer so that the designer is completely within the R:BASE window when reducing from full screen? Better yet, could the designers each remember their last position and size? |
|---|---|---|

| 57. | 07/09/2020 | Trace Debugger - When single-stepping through a command file, the user should be able to force execution to resume at a specific statement. Uses for this feature include skipping over one or more commands, repeating one or more commands, etc. |
|---|---|---|

The added "Jump to Line" functionality allows users to jump to a specific line in the debugger when single-stepping through code. This ability provides users to start debugging at a specific point, skipping over commands, repeat commands, etc. The [F11] hot key also opens the "Jump to Line" dialog.

| Item | Date Fixed | Description |
|------|-----------|-------------|
| 01. | 09/27/2019 | Forms - When double clicking within an Advanced Variable Rich Edit control the Rich Text editor does not display. |
| 02. | 09/30/2019 | Reports - When a report is printed to a large PDF document where an image object is designated as a JPG, a memory allocation issue can result when the image is converted to a bitmap image. |
| 03. | 09/30/2019 | Forms - On a fresh start of a form (first launch), the "On Date Change" EEP for the Variable Date/Time Picker does not execute. If you change the dates back and forth a few times, the EEP fires accordingly and then everything works from there on. |
| 04. | 10/08/2019 | Reports - When PROPERTY REPORT FIND_TEXT_IN_PREVIEW ON is added to an R:BASE environment, a report is printed twice when previewing a report and then selecting the Print button. |
| 05. | 10/18/2019 | Forms - When using PROPERTY APPLICATION TASKBARBUTTON 'TRUE' for a form and pressing [Windows Logo+D] key combination to go to the desktop, returning to R:BASE does not display the form, and it appears R:BASE is locked, where the form is not seen anywhere. R:BASE must be closed from the Task Manager. |
| 06. | 10/18/2019 | Commands - When you unload data for a table or to an ASCII file with the ANSIOUTPUT setting to ON, and the first field with a high order character, CHAR(128) through CHAR(255), has only a single high order character, then it will be unloaded as ?? for that character. |
| 07. | 10/23/2019 | Forms - When assigning a format mask to a phone number field upon a form, using the predefined value (!\(000\)\ 000\-0000;0;) within property editor, the field cursor is positioned on the open parenthesis and not a valid position when running the form and entering the data. |
| 08. | 10/24/2019 | System Tables - Within the SYS_TYPES system table, there are discrepancies between the NUMERIC and BIGNUM datatypes in several fields. The SYS_CASE_SENSITIVE value is to be 0 for the BIT, BITNOTE, and VARBIT datatypes. |
| 09. | 10/24/2019 | Functions - The CVTYPE function works for table columns, but does not return the expected values for SYSTEM table columns. |
| 10. | 10/25/2019 | RDCC Client - After logging in, the menu option to review the User Details does not display my user information. |
| 11. | 10/29/2019 | Forms - When a form is launched in "Enter" mode with a format mask defined for an edit field, where the mask does not match the data in the table, the display of the data is altered incorrectly when leaving and returning to the field. Also, it is not possible to get the focus to the end of the field, and if the entered values are deleted, and the focus moves to another field, the value reappears. <br><br> It is now possible to use a non-matching format mask when entering data through a form. For Edit mode, the data in the table and the format mask must match. |
| 12. | 10/31/2019 | Indexes - When selecting data from a table where an index (or key) is assigned to a GUID datatype column, and the WHERE Clause condition for the query specifies values where the GUID column IS NULL, the expected results are not returned. |
| 13. | 11/06/2019 | Codelock - When creating a large table with a Codelocked command file, the table is not defined, as when the file is not locked. The Codelock procedure was updated to utilize increased size limits related to the binary expansion of Codelock data. |

| 14. | 11/12/2019 | Functions - When a negative value is specified for the second argument, an error is encountered. Can the function be updated to return a NULL without the error message, like the SGET function? |
|---|---|---|
| 15. | 11/14/2019 | Forms - The "IN" parameter to launch command blocks in procedure files is not saving the property editor settings, and is not running the expected code within Tree View and List View controls. |
| 16. | 11/14/2019 | Forms - Error messages reporting a component is not found in the current form are encountered for non-themed applications when a PAUSE/CLS is used within a form's On After Start EEP. |
| 17. | 11/18/2019 | Error Messages - All "file not found" error messages were enhanced to identify the missing file name and the full path, and were also updated to conform to an identical text and results, to Error Message #2583. The uniform error message number caused unexpected warnings for applications checking for prior error numbers. The prior error numbers were reverted. |
| 18. | 11/18/2019 | Commands - The FORMS command does not bring up the Form Designer dialog just like when launching the Form Designer from the R:BASE Main Toolbar. REPORTS command still brings up the Report Designer dialog. |
| 19. | 11/20/2019 | Forms - When using an Enhanced DB Grid with the "skip read-only columns" property checked, [Enter]ing through the form has the focus still landing on the read-only columns. The [Tab] key works as expected. |
| 20. | 11/22/2019 | Trace Debugger - If there are any number of spaces, CHAR(32), following a command block in an ASCII application file, the debugger will not start properly. The program starts, but the debugger does not. |
| 21. | 11/22/2019 | Reports - When printing a report containing a large JPG image where the "Transparent" setting is enabled, the print process takes a long time to complete. With "Transparent" unchecked the report prints almost immediately.<br><br>A global property was added to switch to "classic rendering" of report transparency. When ON, the metafile approach to generate transparent images will be disabled.<br><br>PROPERTY APPLICATION CLASSIC_REPORT_TRANSPARENCY ON |
| 22. | 12/09/2019 | File Gateway - When importing a new table and the altering the field settings, BIGNUM is missing from the list of available data types. |
| 23. | 12/10/2019 | Form/Report Designer - If a table is deleted after a Custom Table Relationship link is defined, the Custom Table Relationships cannot be opened. |
| 24. | 12/11/2019 | Forms - When selecting to convert a Tab Control to an Enhanced Tab Control, where many objects are listed on the tab page, the form contents disappear. |
| 25. | 12/13/2019 | File Gateway - I am using GATEWAY to import two columns, a date and time and a temperature. When I try to import the temperature data as a REAL number into a column, I only get to row 17 and I am told that the Column must be a valid REAL and the import stops. If I import the data as TEXT and then use the FLOAT function to convert it there are no errors.  However, I cannot see why the data is invalid. |
| 26. | 12/16/2019 | Data Designer - When adding foreign keys to a table with LOB data, where the data does not allow a valid primary key/foreign key relationship and the definition is halted, the database becomes corrupt. |
| 27. | 12/17/2019 | Data Designer - When an unsuccessful foreign key creation is made, where the data does not allow a valid primary key/foreign key relationship and the definition is halted, the expected constraint error is displayed with the "Unable to create/modify table" error. However, when you click OK here, the "Table Saved Successfully!" message incorrectly appears. |

| 28. | 12/20/2019 | File Gateway - When importing a large .xlsx file (73,000+ records), the moving gif spins but no data import takes place. |
|---|---|---|
| 29. | 01/06/2020 | Reports/Labels - After altering the "Use Border" setting for a report label, the report does not become dirty. |
| 30. | 01/09/2020 | Settings - When using FEEDBACK with a database using long table names, a portion of the text is truncated. |
| 31. | 01/28/2020 | Commands - When performing a IF/ENDIF comparison with WIDETEXT values, the expected result is not returned. |
| 32. | 01/29/2020 | Forms - When running a MDI form, secondary forms opened from the initial form appear behind the initial form. When launching the GETDATE calendar function, the dialog also appears behind the initial form. |
| 33. | 01/30/2020 | Stored Procedures - When running an EEP that is a stored procedure (stored in the database with the PUT command), a "File Not Found" error message is displayed. |
| 34. | 02/06/2020 | Database Explorer - When renaming a form, report, or label, which contains an apostrophe in the comment, an error is displayed and the rename fails. |
| 35. | 02/11/2020 | Forms - The RBTI_FORM_COLNAME system variable is not filled with the column name when the DB Date and Time Edit control is used in a form. |
| 36. | 02/14/2020 | Trace Debugger - When opening the Call Tree after one or more Trace instances the initial startup file is listed several times. |
| 37. | 02/19/2020 | Trace Debugger - With a text variable defined, the ability to modify the variable value is limited to 21 or so characters. After adding intended characters, you must press OK, and then return to the "Modify Variable Value' option, where another 21 or so characters can be entered, and then repeat. |
| 38. | 02/19/2020 | Forms - The DB Date And Time Edit control's "On DateTime Change" EEP does not fire when the object is assigned to a slave table on a multi-table form. |
| 39. | 02/19/2020 | Database Explorer - When running the "Find in Files" utility, the prior search results are not cleared when subsequent searches are being performed, which is misleading for the follow-up searches. |
| 40. | 02/28/2020 | WHERE Builder - When pressing buttons for operators and keywords, the Windows clipboard is cleared. This behavior makes it difficult to build WHERE Clauses from text that was captured previously. Please allow the Windows clipboard contents to be retained after the operators and keywords buttons are clicked. |
| 41. | 03/02/2020 | Report/Label Designer - When using the Preview WHERE Clause in the Report Designer, if a value is entered in the dialog, "Smith" for example, and then the WHERE Builder button is selected, the WHERE Builder displays with Smith as the table alias name. The column list is now blank. |
| 42. | 03/05/2020 | Commands - Using "SET LOCK TableName ON" does not lock the table. |
| 43. | 03/06/2020 | Functions - When checking a GUID variable to be NULL, the IFNULL function does not allow the comparison. |
| 44. | 03/06/2020 | Commands - When using LIST INDEX IndexName command, the formatting is not lined up for multi-column indexes. |
| 45. | 03/09/2020 | Functions - When a lock is applied to a table with no rows, the (CVAL('TABLELOCKS')) function returns a NULL value rather than the table name. |

| 46. | 03/09/2020 | Database Explorer - The expected lock image/icon is not applied to a table when a lock is manually applied with the SET LOCK command. The Database Explorer must be refreshed to see the lock. |
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| 47. | 03/16/2020 | CodeLock - When using ampersand variables within CodeLocked files, the process does not allow for variable content greater than 4,978 characters, where data is then truncated. |
| 48. | 03/18/2020 | Database Explorer - When "Report" > "Print Report..." is clicked from the main R:BASE toolbar, and no report is selected, the Print Report dialog does not have the "WHERE History" button, which is available when a report is selected. The same button is also missing for forms and labels. |
| 49. | 03/23/2020 | R:BASE Editor - When placing items in the clipboard and watching the Clipboard History toolbar, the list is populating with duplicate values. It is expected that the most recent clipboard item to be placed at the top of the list, and that prior items that match would be removed from the list. |
| 50. | 03/25/2020 | R:BASE Editor - When a file containing an ampersand is opened in R:BASE Editor, an underscore appears in the filename tab. |
| 51. | 03/25/2020 | Database Explorer - When copying an external form file which contains an ampersand an error appears saying the name is invalid. |
| 52. | 03/26/2020 | Forms - The GETPROPERTY command to capture the TOP/LEFT values for Vertical Line and Horizontal Line objects is not returning the expected values. |
| 53. | 04/03/2020 | Database Explorer - When a view lock is applied, SET LOCK CustomerContact ON, the Customer and Contact tables do not automatically have the lock image/icon applied. The Database Explorer must be refreshed to see the lock on the tables. |
| 54. | 04/14/2020 | Commands - When attempting to adjust the NAMEWIDTH setting with R:BASE X.5, not R:BASE X.5 Enterprise, an error message referencing Version X is displayed. |
| 55. | 04/15/2020 | Stored Procedures - When saving a stored procedure, in a database that uses double quotes for the QUOTES setting, an error is displayed. |
| 56. | 04/16/2020 | Reports - When printing reports to the HTML format, the Producer lists "R:BASE X for Windows (Version 10.5)", without the ".5" after the "X". |
| 57. | 04/27/2020 | Report Designer - When copying an expression from one report to another using the Copy/Paste buttons, within a database using double quotes as the QUOTES setting, an error is displayed. |
| 58. | 04/27/2020 | Report Designer - When adding a Variable Label object to a report, the default size has a 0.0067 height and a 0 width. The object appears as a blue dot and the label's size must be increased to be visible. |
| 59. | 05/04/2020 | Forms - Previously it was possible to right click on a menu item and choose Image or Custom Form Action. In the latest release, there is no menu/action when right clicking. |
| 60. | 05/07/2020 | Commands - When performing a DECLARE CURSOR with INNER JOINs, the cursor is not created. |
| 61. | 05/07/2020 | File Gateway - When a labeled Field Delimiter has been chosen with its radio button (possibly by operator error, or indecision), the Custom Delimiter/Separator control is no longer accessible. One must cancel and restart the Gateway Wizard to clear the obstruction.  It would also be helpful if the Custom Delimiter/Separator control is so labeled. |
| 62. | 05/12/2020 | File Gateway - When importing data with a custom format and specifying mappings using the ADD_MAPPING parameter, data does not import as per the mappings. Using a .RGW specification file, the mappings do load as expected. |

| 63. | 05/13/2020 | Reports - When printing a report to a PDF file and defining a Page Range in the "Print" dialog, the PDF file is not created as expected. |
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| 64. | 05/19/2020 | R:BASE Editor - With several long file names opened in R:BASE Editor, switching to the Database Explorer and back to the editor alters the display of the edit tabs, where there is only a single tab displayed. |
| 65. | 05/29/2020 | Commands - When running a compiled application, a constraint error is encountered when running cascading deletes within multiple primary key/foreign key relationship tables. |
| 66. | 06/05/2020 | Error/Warning Messages - When deleting a table and receiving warnings from views that use the table, the word "occurred" is misspelled. |
| 67. | 06/08/2020 | Database Explorer - When copying a database to another folder, using the "Copy Database To" option, the progress dialog has the "Cancel" button where the border is transparent. |
| 68. | 06/15/2020 | R:BASE Editor - When text is selected in the EEP Editor, the status bar details are truncated in the pane, even if the window is maximized. |
| 69. | 06/17/2020 | Database Connection - When connecting to a database where the folding table is corrupted, R:BASE will apply the default values for the folding table, in order to connect to the database, rather than erroring out. |
| 70. | 07/02/2020 | Settings - When seconds and milliseconds is used for the TIME FORMAT value and the TIME SEQUENCE only lists hours and minutes, changes to forms, reports, and labels cannot be saved. |
| 71. | 07/03/2020 | Settings - When using lower case letters values for the TIME FORMAT, the Data Browser and R:BASE system clock display the seconds and fractional seconds as the same value. |
| 72. | 07/03/2020 | Settings - When the TIME FORMAT is specified to include milliseconds and AM/PM for a 12-hour clock, the value is truncated in the R:BASE status bar. |
| 73. | 07/03/2020 | Settings - When the DATE FORMAT is specified to include the full month value, the value displays extra plus characters (+) in the R:BASE status bar and the Data Browser for DATE columns. |
| 74. | 07/07/2020 | Data Browser - When the DATE FORMAT is specified to include the BC/AD value, date values in the Data Browser appear to include and extra date. |