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What's New in R:BASE X.5 (Version 10.5)

UPDATE 2

Official Release Version

Build: 10.5.2.20114

Requested Enhancements	09/27/2019 - 01/14/2020

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.

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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'
```

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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 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.
16.	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.
17.	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.)
18.	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.
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.

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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.

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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	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.
03.	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.
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	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.
06.	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.
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	Functions - The CVTYPE function works for table columns, but does not return the expected values for SYSTEM table columns.
09.	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.
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. 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.

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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. 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. 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.

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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.

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