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What's New in R:BASE X

UPDATE 3

Official Release Version

Build: 10.0.3.20116

Requested Enhancements 08/01/2017 - 01/16/2018

Item	Date Implemented	Description
01.	08/04/2017	Forms - Additional page to page navigation options have been implemented where switching between pages/tabs of the tab controls is also possible by selecting a tab control then pressing [Ctrl+Page Up], [Ctrl+Page Down], and [Ctrl]+<Number>, where the number key is the appropriate tab page.
02.	08/07/2017	Forms - In the Custom Form Action Designer, the Description column width should be smart enough to expand to the maximum width in the list of items, or it should retain the setting for the last expanded column(s).
03.	08/08/2017	Forms - Support has been implemented to assign the focus on a specific cell in the Enhanced DB Grid filter bar. Syntax: PROPERTY ComponentID FOCUSTOFILTERCELL ColumnIndex The ColumnIndex is the zero based column index. Example: PROPERTY Customers FILTERS->COLUMN_NAME->CompNam 'A' PROPERTY Customers FOCUSTOFILTERCELL '0'
04.	08/10/2017	Data Browser/DB Grid Controls - When resizing the Data Browser window, or a form containing an Enhanced DB Grid, there is a behavior where the rows flicker.
05.	08/14/2017	Database Explorer - An enhanced "delayed loading" of all objects (tables, views, forms, reports, labels) has been implemented when connecting to a database. In the past, the objects were loaded immediately which can introduce overhead, especially if objects are compressed and slave tables are displayed. With the improved logic, these objects are read/loaded only when necessary and will improve CONNECT performance on databases.

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06.	08/16/2017	Forms - The "Native Appearance" option has been implemented for all theme aware form controls. The description for existing and new controls reads "Native Appearance" within the Attributes/Settings, whereas prior descriptions read "Theme Aware", where applies. The controls include the Push Button, Bit Button, Panel, Group Box, Time Picker, Enhanced Calendar, DB Check Box, DB Radio Button, DB Slider, DB Spinner, DB Time Picker, Drop Down Menu Button, Enhanced DB Grid, Enhanced DB Calendar, Variable Check Box, Variable Radio Button, Enhanced Variable Calendar, Variable Spinner, and Variable Time Picker.
07.	08/16/2017	Forms - Can a multi-object recognition be implemented for "Native Appearance" and "XP Style", for when selecting multiple controls, to apply/remove the effects for all common objects?
08.	08/16/2017	Settings - When CHECKPROP is ON and an error message occurs, the message has been enhanced to include the control/object type.
09.	08/22/2017	Forms/Commands - When opening and closing datasets, additional checks were added when evaluating variables against a dataset to fix possible scenarios which can result in R:BASE failing to respond.
10.	08/23/2017	Forms - Added "Show Task Bar Button" option for MDI forms, which places the form as its own entry in the Windows task bar, making it easy to switch between forms.
11.	08/24/2017	Query Builder - When working in the designer, and choosing "Select Column..." it would be helpful to have this dialog increased in size vertically, and additional perhaps sizable.
12.	08/28/2017	Forms - When you select all or a group of columns in a DB/Variable Lookup List View, you should be able to change the Column Title (Caption Header Color and Font) and Column Header and Font.
13.	08/28/2017	Form/Report/Label Designers - It would be helpful if the designers support a universal multi-level "Undo" option to restore any unintended changes.
14.	08/30/2017	Report/Label Designer - It would be ideal for the Advanced Rich Text Editor to remember the environment layout as it was last used.
15.	09/08/2017	Data Dictionary - When selecting a column in the Data Dictionary, it would be helpful to know additional column attributes, such as, Indexed, PK, FK, Computed, Autonum, Not NULL, etc.
16.	09/08/2017	File Gateway/Commands - There is not an option in the File Gateway to "append" to an existing file for spreadsheets, like there is for other formats. The Gateway XLS/XLSX Export process has been enhanced to support "merging" data to an existing file, and will add a new sheet to the spreadsheet.
17.	09/11/2017	Forms - Sequence Mode has been implemented for Enhanced DB Grid controls which specifies to assign a field which controls the sequence order of rows in the grid. When Sequence Mode is checked the column headers are no longer click-able, meaning users cannot sort the columns. The "Sequence Field" column should be an integer, and is expected to have a value. Sequence Mode requires Drag and Drop is enable for the grid.
18.	09/26/2017	Form/Report/Label Designers - When using the Format toolbars in the designer, it would be easier to locate and select fonts if the font list responded to a walkmenu type of behavior. For instance, pressing "c" and then "o" should bring the font selection list to "Comic Sans", "Courier", etc., but it goes to the o-letter fonts instead.
19.	09/28/2017	Settings - When the Configuration Settings dialog is opened, and the CFG file path across the top is longer than the dialog itself, please allow for a hint to appear when the mouse hovers over the caption, which will display the full path. In addition to the hint, the path can also be selected and copied to the clipboard.

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20. 09/28/2017 Expression Builder - Can the Expression Builder be updated to include an additional Data Dictionary button? Even though the [F3] key can be pushed, newer users may not know they can.

21. 10/03/2017 Menus - Throughout R:BASE, it is very hard to determine whether the "toggle" buttons/menu items are enabled/checked or not. It would be helpful to use a check box or some other method to easily differentiate between when an option is on or off.

All toolbar buttons and menu items have been updated to display an indicator to better recognize a toggle state in menus. An empty square is used for unpressed items and a filled square for pressed items.

22. 10/04/2017 Forms - The ability has been added to reference a column in the dataset for Enhanced DB Grid dynamic colors. Using square brackets "[xxx]" within the "Text Value/Expression" field, a column can be specified. For normal values, the field would be defined as "<=(50)". To reference a column, the field would be defined as" "<=([LowerLimitField])".

23. 10/12/2017 Forms - We have an Enhanced DB Grid option to display a date picker for date fields. It would be nice to have the same for time fields.

The Date/Time Picker in grids now supports date and time modes. When the same "Use Picker for DATE Fields" option is enabled, the time mode of the Date/Time Picker will be used for TIME data types.

24. 10/19/2017 Reports/Labels - Statistics are now available within report and label print operations to return the duration time, number of pages for the print routine, and output device. Statistics are generated with following defined variables before the print operation:

. RBTI_RSTAT_TIME - captures the generation time, in seconds
. RBTI_RSTAT_PAGES - captures the number of pages
. RBTI_RSTAT_DEV - captures the output device used (SCREEN, PRINTER, FILE)

Once the print process completes, the variables can be interpreted in the "After Generate" Report Action.

The following is an example of returned statistics.

```
RBTI_RSTAT_DEV   = FILE    TEXT
RBTI_RSTAT_TIME  = 6       INTEGER
RBTI_RSTAT_PAGES = 22      INTEGER
```

25. 10/24/2017 Form Designer - Added Form Preview utility in the designer to allow review of the an entire large form during active development, when the form is bigger than the work area. The Form Preview is like a toolbar, which can be visible or hidden. The preview is updated in real-time, as the form is edited. Users may click anywhere in the preview form, and the designer will scroll the designer to the approximate location that was clicked. Double click on the preview image to resize the form so the preview is "Fit to Size".

26. 10/26/2017 Form Designer - Added resize options within the Size Palette, for the object height and width to "Grow to Parent".

27. 10/30/2017 Form Designer - Managing an Enhanced Tab Control with the "Align" property as "Client", is very difficult to navigate "Tab Pages". It would be productive to enable all four (Next Tab, Previous Tab, etc.) options when right-clicking on the "Tab Page" also.

Another method to switch tabs is to select a tab page, press [Esc], and the use [Ctrl+n] where n is the tab number. Note that pressing [Esc] moves the selection to the parent control of the current selection, which in this case is the tab control. The [Ctrl+PageUp] and [Ctrl+PageDn] key combinations can also be used to switch between tab pages.

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28. 10/31/2017 Report/Label Designer - The Size Palette that is available within the Form Designer is not in the Report/Label Designer. It would be helpful to have this utility when right clicking on a group of objects.

29. 11/01/2017 Forms/Reports/Labels - Added alignment options to "stack" objects left, right, up, and down in the Form/Report/Label Designers.

30. 11/02/2017 Utilities - When the Magnifying Glass utility [Ctrl+Alt+M] is open, can the magnification be increased/decreased with [Ctrl]+<mouse wheel>, to zoom in and zoom out?

The Magnifying Glass has also been enhanced with an added "Follow Mouse Cursor" option when right clicking upon the magnifier. When checked, the magnifier will magnify the area around the mouse, wherever the mouse is. This is useful when editing forms/reports with controls very close to each other. The magnifier can be placed in the bottom left so it is out of the work area and not interfere with the designer. The Magnifying Glass also includes an increased maximum height and width, along with persistent position and size.

31. 11/03/2017 Database Explorer - When running a form or printing a report/label, the "WHERE History" dialog is available when pressing [F5] to recall last typed WHERE Clause history. It would be nice to implement the same feature when opening tables/views, when the "Use Dialog to Open Table/View" Database Explorer setting is enabled.

32. 11/24/2017 Commands - Using EMAIL ON with EMAIL_SHOW_DIALOG ON can there be way to determine if the user has clicked on "OK" or "Cancel"?

An added return variable has been implemented after the EMAIL_SHOW_DIALOG is shown, RBTI_PRN_EMAIL_DLG, which will be defined and set with "OK" when the OK button is selected. Otherwise, it is set as "CANCEL".

33. 11/27/2017 BLOB Editor/Commands - When double clicking on a VARCHAR field on a form, the BLOB Editor | Rich Text page is displayed with the default font as "Arial 10". Is there a way to control the default font?

Additional PROPERTY command parameters have been introduced to alter the default font for the RTF page of the BLOB Editor:

```
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_NAME 'Value'
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_SIZE 'Value'
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_COLOR 'Value'
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_BOLD <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_ITALIC <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_UNDERLINE <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_STRIKEOUT <ON|OFF>
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_NORMAL ' '
```

The commands will update the default settings, so values passed are "saved" once the BLOB Editor is closed. The DEFAULT_RTF_FONT_NORMAL parameter uses a normal font for the RTF page, removing any bold, italic, underline, and strikeout style in place.

When opening the BLOB Editor using the RBBEDIT command, the PROPERTY commands must be executed first, before launching the BLOB Editor. When opening the Data Browser using the BROWSE/EDIT commands, the PROPERTY commands must be executed first, before launching the Data Browser.

Example:

```
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_NAME Arial
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_SIZE 10
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_COLOR Maroon
PROPERTY BLOB_EDITOR DEFAULT_RTF_FONT_BOLD ON
```

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34.	12/01/2017	Commands - It would be nice if the DIALOG "message" was not limited to 512 printable characters. The limit is now 2000 characters for the DIALOG message.
35.	12/04/2017	Report Designer - Please increase the size of the "Paper Tray" list box on the Page Setup > Paper Source tab. There are several items listed, but only three are visible at a time, with a lot of room for a larger list box.
36.	12/19/2017	Form/Report/Label Designers - When working with additional tables for forms and reports, the (Designer > Main Menu > Tables ...), the default display of dialog window is always small and must be resized when using long table names. Please allow R:BASE to remember the previous size and location.

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Item	Date Fixed	Description
01.	08/01/2017	Functions/Views - When using the SUM and IFEQ functions within the definition of a view, incorrect data values are returned.
02.	08/01/2017	Reports/Labels - When you rename a column in the Data Designer, it updates the fields in the reports but not the break points.
03.	08/02/2017	Database Explorer, Find in Expressions - When replacing a column in my database the "Find in Expressions" did not find the searched column name in my compressed reports.
04.	08/02/2017	Commands - When using the LAUNCH command to launch a file and wait until the file is finished before moving on to the next command, R:BASE displays an error saying the specified file was not found.
05.	08/07/2017	Reports - Without a default printer installed, but both Print Preview and printing reports to the screen displays a blank page.
06.	08/14/2017	Forms - When resizing an Enhanced DB Grid that is Aligned to the Client and resizing of the form with the mouse on the bottom right corner, the form width and height does not follow the position of the mouse cursor with continued increasing and decreasing. The form size snaps to smaller and larger widths and heights when repeating.
07.	08/14/2017	Forms - On Windows 10 operating systems, it is noticed that the "Calendar" icon/image is half hidden behind the [v] arrow drop-down button.
08.	08/14/2017	Forms - When using the Object Inspector toolbar in the Form Designer, where the toolbar is undocked, the toolbar disappears when selecting the "Properties" tab on the toolbar.
09.	08/15/2017	Commands - When concatenating text including foreign characters with the SET VAR command, it is not possible to concatenate text messages reliably in the conversion from ANSI to UTF8 or vice versa depending on whether the value was text in the command, a column value, or a variable value.
10.	08/15/2017	Commands/Data Browser - When using the BROWSE command with an aggregate function, and the results are attempted to be Computed using the menu option, an error is displayed.
11.	08/16/2017	Reports/Labels - The border does not display for the Rotated Label control.
12.	08/18/2017	Reports/Labels - When a Rotated Label object with a Border defined is selected initially when opening the designer, the Draw toolbar displays the color and line options, which are correctly disabled later if another object (Shape) is selected.
13.	08/22/2017	Settings - When enabling the MIRROR setting for database replication, the mirrored database files fail to be created.
14.	08/25/2017	Commands - When NULL is set to a space and SHOW VAR is used, strange results are returned.
15.	08/30/2017	Report Designer - When opening the Position dialog for the Region and CrossTab controls, the width size is small and the text is cut off.
16.	09/08/2017	Reports - When printing a report containing rich text table data to a text file, the data does not appear in the report output.

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17. 09/08/2017 Functions - The IFNULL and IFEXIST functions incorrectly interpret the value of zero as NULL when ZERO is set ON.

** Important **

The use of the IFNULL function, with the ZERO operating condition set to ON, may have adverse effects on variable calculations. Please understand that the correct logic is now used for the IFNULL function, as zero is not equal to NULL. Users are advised to take advantage of the built-in search utilities to locate any instances of the IFNULL function within forms, reports, labels, and command files, and evaluate the correct use:

- o Find in Custom EEPs... [Ctrl]+[F]
- o Find in Control Properties... [Ctrl]+[L]
- o Find in Expressions... [Ctrl]+[Shift]+[F]

18. 09/19/2017 Database Explorer - When saving a multi-table form as another form within the Form Designer, reviewing the form and tables at the Database Explorer displays only the single form table. After a refresh, the slave tables appear.

19. 09/19/2017 Closing R:BASE - R:BASE will not close cleanly if the System Tables list is opened at least once.

20. 09/19/2017 Forms - After a new Tab Control is added to a form, it cannot be selected with a left mouse click.

21. 09/19/2017 Forms - Group Box fields are not displaying properly, where the window behind the R:BASE form appears in Group Box background, when Native Appearance is checked.

22. 09/19/2017 Database Explorer - When saving a form as another form within the Form Designer, the compression icon appears on the new form name, even though the "Use Compression" setting is unchecked in the Form Properties and the original form was uncompressed.

23. 09/20/2017 Commands - When the @ character in table data is located at the beginning of a row, R:BASE adds a space in place of the @ during the LOAD process.

24. 09/25/2017 Forms - After deleting pages from the Enhanced Tab Control, when the Object Inspector is visible, R:BASE does not respond when saving the form, and closing the designer.

25. 09/27/2017 Data Designer - When editing or adding new columns to the Table Designer, the ability to walk through the data types using the keyboard does not work when WALKMENU is ON. The intent is to press "T" and go from TEXT to TIME, or press "D" and go from DATE to DOUBLE, etc. The functionality should work regardless of the WALKMENU setting.

26. 09/29/2017 Database Explorer - When selecting the "Convert Applications" menu option in the Database Explorer under "External Forms" the display is empty when initially opening the dialog. You must select another "File Type" radio button, then back to "APP", to see the APP files to convert.

27. 10/04/2017 Error Messages - When performing a record change which violates the conditions of a unique key constraint, there is no expected error message displayed.

28. 10/11/2017 Printers - If the default printer is a network printer, some areas in R:BASE (a table is opened from the Database Explorer, the Rich Text tab of the BLOB Editor is opened) perform slower than when using a local or virtual printer.

29. 10/12/2017 R:BASE Editor - When launching the R:Style Local Configuration from the EEP Editor, the settings screen is not displayed.

30. 10/13/2017 Data Dictionary - When pressing [F3] to search for a column, the Relational Verification function is performed each time, when the Relational Verification setting is enabled.

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31.	10/13/2017	Forms - If the "Dynamic Caption" within form properties is activated "and" a variable label is set to Transparent, scrolling through records will overwrite the variable label values within itself.
32.	10/18/2017	Reports - When printing a report with multiple breaks and a Sub Report, an error message is displayed.
33.	10/30/2017	Commands - When performing a table UPDATE of records from a table source, where the data type values is moved from TEXT to VARCHAR columns, the process leaves the table in a state that is unable to open.
34.	10/30/2017	Startup Settings - The RBTI_IMG_FOLDER environment variable, to define a folder path where all "Open Image" dialogs will initially start, is not recognized, and dialogs open in the current folder.
35.	11/02/2017	Commands - Errors are encountered when handling ampersand variables inside a WHILE loop, where the variable is made NULL.
36.	11/02/2017	Commands - When using a Gateway Export with a JOIN in the SELECT clause, data does not appear in the output.
37.	11/06/2017	Forms - I have a form with 2 tables and 2 Enhanced DB Grids. Both are to be allowed to add new rows only. I have went into the Table Settings for both tables and unchecked "Replace Existing Rows" which should not allow changes but I can still make changes. The Table Settings" dialog has also been altered with "Replace" changed to "Update" as it is more appropriate. The order of the settings was also reordered.
38.	11/06/2017	Commands - The GATEWAY EXPORT FIX format does not export more than ten characters per column using the following syntax: GATEWAY EXPORT FIX Test.txt SELECT ('0123456789ABCDEF') + FROM TableName WHERE LIMIT=4 The FIX (fixed) format has been updated to include length specifications for values greater than 10 characters. Without a length specification, the default is 10. The new parameter, COL_WIDTHS, accepts a comma delimited list of integers to specify column widths. GATEWAY EXPORT FIX Test.txt SELECT ('0123456789ABCDEF') + ('ABCDEF0123456789') FROM BonusRate WHERE LIMIT=4 OPTION COL_WIDTHS 24,24
39.	11/07/2017	Forms - I have a form with two tables that are linked using Enhanced DB Grids (Master/Detail). In the detail table, the Filter is set to "Column Values", which does not display the values.
40.	11/17/2017	Forms - In some circumstances, controls and Custom Form Actions are not recognized during the execution of On After Start EEPs when a form is launched from another form. When running the forms in the trace debugger, the actions work as expected.
41.	11/20/2017	R:BASE Editor - When I check my code using R:Style, instances of the keyword VALUE change to VALUES. This is problematic because all my code like PROPERTY meter1 VALUE '10' gets changed to VALUES and I then get errors that I need to correct.
42.	11/21/2017	Trace Debugger - When tracing command syntax in Custom EEP, if there is an -ERROR-, there is no record of such error in the Error List box.
43.	11/27/2017	Commands - When using a multi-table DECLARE CURSOR loop, inconsistent results are encountered.
44.	11/29/2017	Functions - File names containing foreign characters are not recognized by the FINDFILE function. Fixes were also implemented for the MKDIR, RMDIR, and CD commands, as well as the INSERT and UPDATE commands when converting TEXT to WIDETEXT, and vice versa.

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45.	12/04/2017	Forms - The Advanced DB Rich Edit control's default font setting is not applied correctly. Also, when the Advanced DB Rich Edit control's default font is passed to the BLOB Editor, the editor is not using it correctly.
46.	12/04/2017	Reports - We have a (very) complex report that involves making a lot of images visible and hidden on different lines. It works great, except in one case. When the print preview appears on the screen, if the user IMMEDIATELY (before the first page is rendered in the preview) clicks on the printer button several times, it appears that R:Base is no longer able to find any of the component IDs on the report. If you do this with messages on, you get lots of messages about not-found component IDs. It almost looks as if the report preview window is no longer focused.
47.	12/04/2017	Settings - The Default Font setting for the BLOB Editor's RTF page, set in Settings > BLOB Editor, is not properly applied.
48.	12/06/2017	Commands - When performing an INSERT ... SELECT using VARCHAR data, the resulting data includes some garbage characters at the end.
49.	12/07/2017	R:BASE Editor - If you have an EEP Code, and if you want to print that code, clicking on the [Print] icon provides you with some options (Check Boxes) as follows: . [ ] Header/Page Number . [ ] Line Numbers . [ ] Syntax Print . [ ] Use Color If you just check the option for [x] Line Number, the printed code prints the line numbers accordingly. However, if you Check additional options, such as [x] Syntax Print, [x] Use Color, then Line Numbers are not printed.
50.	12/08/2017	Commands - The HTML clause on the SELECT statement no longer works if WHERE is included (it still works if WHERE is not used).
51.	12/14/2017	BLOB Editor - Once the plain text data is displayed under "Text" tab and the data is saved as external file using the "Save To External File" option, the process does not prompt if the same file name already exists.
52.	12/14/2017	BLOB Editor - After data displayed in the "Text" tab is saved to an external file, using any text editor, it is noticed that the file is encoded and is not a plain text.
53.	12/20/2017	Settings - When launching an R:BASE instance with a remote desktop session on a Windows Server 2016 operating system, the default printer is not recognized during print operations.
54.	01/03/2018	Commands - When building a large single variable with the SET VAR command, an error message was encountered stating the expression size limit was exceeded. The characters were counted, which did not exceed the 2000 character limit, for R:BASE X Enterprise.
55.	01/05/2018	Commands - When an apostrophe exists within the FOOTER_TEXT value for the GATEWAY EXPORT command syntax to a spreadsheet, the results are inconsistent.
56.	01/05/2018	Form Designer - When reviewing a form in the designer, all Static Text objects with background colors are not showing the defined color. Previewing the form displays the colors accordingly.
57.	01/05/2018	Forms - After changing the font to bold and the color to navy for the Enhanced DB Grid, it shows on the font button when I close the property editor. However, if I review the settings again, the font button it reverses to the default previous setting.

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58.	01/05/2018	Reports - When printing reports containing hyperlinks to PDF and HTML output formats, the links are not active, and appear as raw HTML code.
59.	01/08/2018	Commands - With MESSAGES set to off, the "No rows existâ€¦" message seems to appear every other time for command executions where the message is displayed.
60.	01/08/2018	Commands - The use of the ESCAPE character in "LIKE" WHERE Clause conditions is not recognized.
61.	01/08/2018	Commands - When performing an UNLOAD of a table, the process stops unloading at a certain row containing invalid characaters.
62.	01/09/2018	Help Files - Although it appears to be undocumented, the CONTAINS condition interprets the SINGLE and MANY characters as wildcards. The help files were updated to reflect that wildcards are supported with the CONTAINS condition in SELECT...WHERE Clauses, as well as the IF...ENDIF and WHILE...ENDWHILE control structures. The help also reflects that the support for the ESCAPE character in LIKE conditions with wildcards with IF...ENDIF and WHILE...ENDWHILE control structures.
63.	01/10/2018	Reports - When printing a report to the XLS2003 format, R:BASE does not respond. The other Excel file formats print as expected.

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