



R&R ReportWorks, Version 12

For Windows 95, 98, ME, XP, NT and 2000

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README.RTF Release Notes

Jan 2006 Version 12.0.001 Update

Welcome to the Latest Member of the Liveware Family

In late 1999, Liveware Publishing acquired from Wall Data the exclusive license to develop and market R&R Report Writer. After a successful release of Version 8.1 in mid 2000, and Version 9 in 2001, in October 2002 we delivered R&R Version 10 followed by a 10+ release in May 2003. In January of 2006 we released a new version and a new product name ReportWorks. In our Spring 2005 ReportWorks release we added an exciting new easy to implement, powerful feature, dynamic parameteRRs.

The current ReportWorks Infinity 2006 update adds several new features and a new upgrade strategy that eliminates the need to purchase future upgrades.

Objectives

Version 12 continues with our commitment to release product updates on an on-going basis that will incorporate features that will make our user community even more productive.

In Version 12 we have we have added a variety of new features that are designed to reduce the reporting writing learning curve by seamlessly storing report and data information behind the scenes as reports are created so that you use and even report on that information.

This document provides an overview of what is new or changed in Version 12 and also lists any late breaking information that was not included in the on line Help files. We have also made a number of corrections in this update that are listed starting on page 20.

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New Features Summary

Security Enhancements

- Password Protection
- Auto Recovery

Report Layout Enhancements

- Enhanced Ruler Display
- Multiple Field Alignment
- No Records Found Band Line
- Expanded Undo/Redo

Field Enhancements

- Enhanced Field Lists
- Longer Computed Field Names
- Find and Replace in Expressions
- Total field Enhancements

Parameter Enhancements

- Updated Parameter Dialog
- Static List Parameters
- Dynamic List Parameters

Table Enhancements

- Updated Relation Dialog
- Table Dictionary Support

Other Enhancements

- Updated Export
- Duplicate Field Export Warning
- Updated Charting Support

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Password Protection

You can now optionally set a Designer and/or a Runtime password for a report using the menu selection File->Security.

This password may be up to 30 characters in length. Passwords are case-sensitive and may include spaces and special characters. When you enter a password, your input is masked on the display.

When a password(s) has been set in File Security, when the report is save (via Save or Save As) you will be asked to Verify the password(s) by re-entering it. The report will not be saved unless the password(s) correctly matches the password(s) that was set in File Security.

When you open a report in the report designer or at runtime that has a password, you will be given a screen to enter to the password. This password must match the password that is saved in the report or you will not be able to open or run the report.

CAUTION:

Once a report is saved with a password, it can only be opened if that password is correctly entered.

There is no facility available to recover a lost password.

If you set a password for a report, it is strongly suggested that you print your Report Specifications before saving the report and keep this information in a secure place. Any Designer or Runtime password will be printing in the header area of the report specification. You will then have a record of the password(s) that has been set for the report.

Note that password information is NOT saved to the Report Librarian.

Reports with a saved password cannot be converted to any other format using the ReportWorks Report Converter.

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Auto Recovery

A new Auto Save item has been added to Options->Preferences.

You can now check a box to enable R&R to automatically save changes to a backup copy of the report are working on every 1-120 minutes. When auto recovery is enabled, R&R saves a copy of the current report in the same directory as the original at the designated interval. It also writes the name of the save file in the RRW.INI file. Should there be a problem causing R&R closes unexpectedly, the next time that you open the Report Designer, you will be asked if you want to open the auto saved file. This file will contain all of the changes to the file that was open in your last designer session up to the last recovery point.

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Enhanced Ruler Display

We have added the ability to display the horizontal and vertical positioning rulers at the top and the right of the layout screen. Selecting View->Rulers now brings you to a tabbed ruler dialog where you can use a checkbox to optionally display of each of the four available rulers.

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Multiple Field Alignment

You can select multiple fields on the report layout and then use the menu command Format->Align to align all of the selected objects to have the same selected placement as last selected object.

For example you could select 3 fields on 3 separate band lines and then choose Format->Align Left to move the first two selected objects to have the same left edge as the last selected object.

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No Records Found Band Line

In previous versions of R&R, there was not a way in the report designer to produce output when no records were found for the report. We have added a new No records found checkbox that is available for Title band lines.

When this box is checked, the title band will print both in the designer and at runtime only when no records are found. This allows you place appropriate text on a no records found line that will allow you to produce a report even when no records are found.

In runtime, the older behavior of always printing the title and summary when no records are found, required the creation of conditional calculations to return specific output for a no records found condition. The new method is a much simpler approach.

To allow reports created in earlier versions to use the older behavior, a new setting is available in the [Defaults] section of RRW.INI.

If the INI contains the line:

```
NoRecHDR=0
```

Runtime will print all title and summary bands when no records are found (the old default) rather than only those title bands with a No records found checkbox.

The new behavior will be used if NoRecHDR is set to 1 or is absent from the INI.

The new version continues to honor the /H switch on the runtime command line. If a /H is used, there will be no report output at runtime when no records are found. Any title band having a no records enabled, will not print.

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Enhanced Undo and Redo

The range of report layout actions that can be reversed using Edit->Undo has been expanded from moving or removing an object or band line to include:

- o Inserting any object on the layout
- o Inserting any band line
- o Any Font/Size/Attribute changes
- o Resizing of objects on layout

We have also added an Edit->Redo to the menu as well as adding Undo and Redo buttons to the Standard toolbar. Clicking on these buttons will display a list of the most recent actions that can be changed. When you undo an action, you also undo all actions above it in the list.

If you later decide you did not want to Undo an action you can use the Redo button to reverse it.

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Enhanced Field Lists

Field list dialogs have been changed to a more descriptive columnar format.

What is displayed

The Name column includes both the field name and any optional comment or dictionary description.

The table column shows the field's table alias.

The type column shows the field's data type.

The class column shows the field's usage class.

An asterisk * before a field name indicates that the field is currently used on the report layout.

Right clicking on a field displays any available dictionary information.

Customizing the list

Clicking on a column heading **sorts** the list by that column and adds a sort direction indicator.

Clicking on a sorted column heading again **reverses** the sort order.

Clicking on a column header separator bar allows you to **resize** a column.

Filtering the list

The Go to Field box allows you to enter one or more characters to **limit** the field list to display only field names beginning with the characters you have entered. Press backspace to clear the box and display all fields.

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Longer Computed Field Names

The maximum length for computed field names in R&R has been extended from 10 to 30 characters.

Find and Replace in Expressions

A new Replace button is now available with calculated expression dialogs.

This new dialog allows you to quickly edit calculated expressions containing repeated values. For example a calculated expression:

$(Q1_{2004} + Q2_{2004} + Q3_{2004} + Q4_{2004}) * Disc_{2004}$

could use a single replacement string (Replace 2004 with 2005) and become the 2005 calculation:

$(Q1_{2005} + Q2_{2005} + Q3_{2005} + Q4_{2005}) * Disc_{2005}$

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Total field enhancements

Dialog changes

The total field and auto total dialogs have been changed to use a tabbed format. Each tab now provides more instructive information and detailed help on each component of total creation.

Multi Edit

We have also added a new Multi Edit button to the Total Fields dialog. Multi Edit allows you to select several total fields and then make the same edit changes to each one. For example you could select a Group1, Group2 and Grand Total that sum the numeric field QTYSOLD and change the sum to be an average.

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Updated ParameteRR Dialog

The dialogs for creating parameters within the designer and for entering values at runtime have been updated.

Static ParameteRR Lists

ParameteRR fields now support the definition of of a static list values so that a pre-defined value may be selected from a list when a report is run.

A parameteRR can be defined within the designer to use a static list of defined values and a short description can be entered for each one. List parameteRRs can be of character, numeric, date or date time data type.

Dynamic ParameteRR Lists

Dynamic ParameteRRs allow you to select a lookup DBF table along with a value field from that table. When the report is executed, the end user can then display a lookup dialog that allows the user to browse the lookup table and select a value. The browse dialog displays the key value field in the first column and then to the right displays ALL of the fields from the lookup table. And should the lookup table be unavailable or should the user want to use a value that is not in the table, a non-lookup value can be manually entered.

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Table enhancements

Updated Relation Dialog

The table relation dialog has been changed to use a tabbed format. Each tab now provides more instructive information and detailed help on each component of linking related tables in a report.

Table dictionary support

A new Dictionary button is now available when selecting a master or related table. When this button is selected, you can view or edit the Data Dictionary definition for the selected table.

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Updated Export

The Export dialog has been changed to a tabbed format with separate tabs for Type, Mail Options and Export Options.

In Mail Options the Subject and Message fields now can be selected from a field list rather than manually entered. This is particularly useful for email bursting where each email message can now be completely customized for each recipient.

Duplicate Field Export Warning

If the first 10 characters of two field names on a band line that is being exported to a DBF or viewed as a Result Set are the same, a new warning message is issued. In previous versions, the duplicate field was simply omitted without any warning.

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Report File Compatibility with Earlier R&R Releases

As in all Version 9 and above releases, Version 12 will not allow you to save a report into an existing RP5 report library either as a Save or a Save As. If you attempt to do so, you will get an error dialog that will say: "R&R no longer supports rewriting a report into a library file."

Reports saved in Version 12 can be opened with previous R&R versions; however, you will get a warning message that will say:

"Warning: Unrecognized report information encountered. Report might have been made with a newer R&R. Clicking OK will open the report, but some report features will not be available."

If you then save the report, any newer features will be removed from that report file.

The exception is for ParameteRR fields. Support for parameteRR fields was added in R&R Version 9.

When a report containing ParameteRR fields is opened in a pre-Version 9 release, the ParameteRR field will be treated as a calculated field whose value is the default that was set for the ParameteRR. If saved in Version 8.x and then re-opened in Version 9 or above, the former ParameteRR field will then remain as a calculated field.

If a report contains a computed field whose name is longer than 10 characters (the old limit), earlier versions will recognize the longer name without error since the restriction in earlier releases was on the creation of field names rather than the usage of field names.

If a password is set for a report using the new File Security option, that report cannot be opened or run in any earlier R&R release. If you do try to do so, you will get an "Invalid Report Revision" error. It also cannot be opened in the Report Conversion Utility.

Know issues/Other Information

The following lists issues known to be present in this release along with information not contained in the Help/Documentation files.

Serial Numbers

The Version 12 installer and User Management Programs will only accept serial numbers having a Version 12 product key. You cannot use serial numbers that were valid in earlier releases.

Upgrading to Version 12 from earlier releases

If you are installing Version 12 on a machine has an existing installation of either R&R Xbase or SQL it is recommended that you back up any modified R&R files and then un-install that copy prior to the installation of Version 12.

What to back up:

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- Any user function library (RR.UDF for Xbase, RSW.UDF for SQL)
- RSWSQL.INI (If modified after original installation. SQL only)
- RRW.SRT for Xbase, RSW.SRT for SQL (if modified after original installation)
- The initialization files \windows\RRW.INI for Xbase, \windows\RSW.INI for SQL
- Report Librarian data files (all files with extension DBF, CDX and FPT in the /RL subdirectory).

You can then restore/upgrade these files after installation of Version 12.

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Documentation

A PDF printable documentation set is available on the Version CD in the PDFDOCS subdirectory along with a copy of the install program for the Adobe Acrobat Reader.

Available Files:

README12.PDF

ReportWorks V12 Installation Guide.pdf

Xbase V12 User Guide.pdf

SQL V12 User Guide.pdf

Xbase V12 Developing Applications.pdf

SQL V12 Developing Applications.pdf

ReportWorks Report Librarian.PDF

ReportWorks Data Dictionary Editor.PDF

ReportWorks Rapid Runner User Guide.pdf

ReportWorks Conversion and Shortcut Utilities.pdf

Using the R&R Sample Files.PDF

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Version 12 Installed Executable files

| Installed in program directory | |
|--|--|
| RRW.EXE | Xbase Report Designer |
| RRWRUN.EXE | Xbase Runtime executable |
| RSW.EXE | SQL Report Designer |
| RSWRUN.EXE | SQL Runtime executable |
| RRWUSERS.EXE | Xbase User Management |
| RSWUSERS.EXE | SQL User Management |
| RRCNVRT.EXE | Report Conversion Utility |
| RRICON.EXE | Runtime Shortcut Maker |
| FASTIDX.EXE* | Flexlink indexer |
| RRBROWSE.EXE* | Result set browser |
| RRAUTO.EXE* | Excel pivot export routines |
| RRCHART.EXE* | Excel Chart export routines |
| RRSQLWIZ.EXE | SQL Report Conversion wizard |
| RRWIZ.EXE* | R&R Report Wizard |
| Installed in the RL subdirectory | |
| RL.EXE | Report Librarian |
| RLCAT.EXE* | Report Librarian Xbase cataloger |
| RLSCAT.EXE* | Report Librarian SQL cataloger |
| DCALCUP.EXE* | Uploads calculations to data dictionary |
| DDFLDUP.EXE* | Uploads field information to data dictionary |
| DDTBLUP.EXE* | Uploads table information to data dictionary |
| FLDVIEW.EXE* | Called by designer to view field dictionary information |
| REGISTRY.PRG* | Called by data dictionary load program |
| TBLLINKS.EXE* | Called by designer Join Help button |
| TBLVIEW.EXE | Called by designer to view table dictionary information. |
| Installed in the RapidRun subdirectory | |
| RAPIDRUN.EXE | Rapid Runner executable |
| RRCONSOL.EXE* | Called by Rapid Runner to consolidate to existing DBF |
| * Indicates a program called internally by another executable | |

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SQL/ODBC Connectivity Issues

SQL Server7/2000

If you are opening reports that were created against earlier versions of SQL Server, you may incorrectly receive the error "Data source not found and no default specified". Or you may see the error "Invalid connection or query handle" when creating or modifying reports. To resolve these problem, edit your c:\windows\RSW.INI file and add the line:

```
UseQEConnect=1
```

to the [Database] section. You will need to add a [Database] section if it is not already present in the file. Then save the file and restart R&R.

If you are connecting to SQL Server with an alternative driver, the following problems will be present:

Auto SQL reports are limited to selecting tables from the current login database.

If you need to join tables across databases, you can create a User SQL report or can within you database build a View table that references tables from a different database.

Data from Unicode field types (nchar, nvarchar, ntext) will appear as empty when the report is executed. Support for these field types will be added in subsequent update.

Oracle

If you are running from an Oracle8 client machine using the SQORA32.DLL ODBC driver, data from VARCHAR2 fields may be incorrectly returned.

If you are experiencing slow report retrieval or excessive delays when defining calculated or total fields, there is an optional INI file setting that should correct this problem. Edit your C:\windows\RSW.INI file and add the line:

```
ALWAYSRR=1
```

to the [Database] section. If your RSW.INI does not currently have a [Database] section, you can add one at the end of the file. Then save the file and re-start R&R.

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MS Access

The unmatched records join option for Access is limited to reports containing a single join. If you need to use this option and include more than two tables in your report, the workaround is to create a query within Access that joins your tables as required and then use this Access query as the master file for your report.

Visual FoxPro

The Microsoft Visual FoxPro driver gives error "No table names were found for this datasource" when try to create a new report using free tables.

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12.1.001 Corrections

Each product release incorporates both new functionality and software corrections. The following changes/corrections have been made since the last Version 11.1.009 update that was released in August 2005. If you are migrating from any previous release, you can also check the individual release notes for each version. These notes are posted on our web site page <http://www.livewarepub.com/download.htm>

CORRECTED SINCE THE 11.1.009 UPDATE

- Logical band line properties are correctly retained when a report is saved and re-opened.
- If you create a new calculation in the relation or line properties dialog, the new calculation now appears immediately in the field selection list.
- When you open the designer and cancel the popup dialog, icons for File and Open are now available.
- ParameterRR scope values containing spaces are correctly honored.
- ParameterRR value entry screen places focus in new value field in overwrite mode.
- When a parameteRR is copied, the new parameteRR inherits the display format of the original field.
- Sort fields can now be deleted when report contains 8 defined sort fields.
- Total Multi-edit correctly retains any saved conditions or comments.
- Totals retain their correct accumulation frequency when edited in the SQL version.

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ISSUES NOT YET CORRECTED BY THIS UPDATE

- The * before a field name currently indicates that a field is used on the report layout rather than used within the report.
- Reports saved with a custom page size under Windows XP or 2000 will only honor that page size if opened on the machine where the report was created.
- Printer tray selections for some printers may not be correctly saved in a report file.
- When exporting to HTML with an embedded object, the embedded object is not converted to file that is referenced as the object in the HTML.
- Cancel button from modal dialogs called by Calc Expression dialog also cancels any manual edit changes that were made to the expression prior to calling the dialog.
- When an error is found in a calculated expression, the edit cursor should be placed at the source of the error as it was in earlier releases rather than highlighting the entire expression.
- Report containing large data set and several group level graphs causes a memory leak and eventual crash.
- Picture from field may cause image distortion if the size of the image file varies from the placeholder blank.bmp file.
- Email bursting does not work correctly if burst level is anything other than the first group level.

We are currently working to address the above problems.

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Other News

The name "Liveware" is meant to reflect the need to augment your hardware and software with the help of live people to help you leverage your hardware and software investment. Liveware Publishing is proud to offer you the following services:

- Technical Support
- Training Classes
- Training Manuals
- Report Design Consultation
- Report Template Construction
- Data Dictionary Building and Maintenance
- Custom Development of Runtime Prompts
- Custom Development of Report Wizards

For information about these services, please contact our knowledgeable staff at 800-936-6202 or <mailto:liveinfo@livewarepub.com>.

Please visit our web site at <http://www.livewarepub.com/> for the latest information about R&R Report Writer.

Also, check out our R&R User Discussion Forum
<http://207.5.19.19/cgi-bin/dcforum/dcboard.pl>

Where you can exchange ideas with other R&R users.

We Want to Hear from You!

Please send your ideas, suggestions and comments to <mailto:liveinfo@livewarepub.com>.