

PLEASE READ THIS FIRST

OpenInsight 9.2

Introduction

- Thank you for purchasing the latest version of OpenInsight.

Before you begin

- When installing or upgrading OpenInsight 9.2 make sure you have your authorization code supplied by Revelation Software.
- Close all non-essential Windows programs and antivirus software..
This software will only run on Widows XP Professional, Vista Business 64-bit, Vista Ultimate 32-bit, Windows 7 Ultimate 32-bit, Windows 7 Ultimate 64-bit, Windows 2000 Server, Windows 2003 Server, Windows 2008 Server

Instructions

Running Setup for OpenInsight 9.2 (Full Install)

From CD

- Insert the OpenInsight 9.2 CD into your CD ROM drive
- Choose Run from the Start menu
- Type D:\OpenInsight\SETUP and click the OK button (substitute the appropriate drive letter if you are installing from a CD Rom drive other than D.
- Follow the installation instructions

From Download

- Extract the Setup.exe from the compressed downloaded file
- Execute the Setup.exe
- Follow the installation instructions

Running Setup for OpenInsight 9.2 (Upgrade)

- Extract the upgrade from the upgrade zip file.
- Execute the Setup.exe from within the location to which the upgrade was extracted.
- Follow the installation instructions.

Running Setup on Windows 7 and/or Vista Operating Systems

- Administrator access is required when executing the setup.exe on Windows 7 and/or Vista. Right click on the setup.exe and select "Run as administrator".

If you encounter a problem upgrading

If the setup program cannot upgrade OpenInsight, a message describing the problem displays, and the setup terminates. For example, if you do not have enough space on the destination drive, the setup program displays a warning message. If you choose to continue with the installation and setup runs out of space, an error displays and the setup terminates.

If this occurs, correct the problem and re-run the setup program.

If the setup program displays an error message which you do not have a solution for, write the exact message text down, and then call OpenInsight Installation Support at (201) 594-1422.

How to run the Examples Application

- Click on the OpenInsight Icon.
- Choose File -> Run Application.
- Select EXAMPLES and type EXAMPLES in the User Name Field.
- Click the OK button.

How to enter SYSPROG (Programming Mode)

- Click on the OpenInsight Icon.
- Choose File -> Run Application.
- Select SYSPROG and type SYSPROG in the User Name Field.
- Click the OK button.

OpenInsight Works

- OpenInsight and OpenInsight Works are licensed per developer. If you need additional development licenses or have questions regarding licensing, please contact your Revelation Software sales representative or Revelation Software's Customer Service department at (800) 262-4747.
- As further releases to the OpenInsight product line are made available, they will be announced on www.revelation.com.
- If you do not have access to the World Wide Web, please contact your Revelation Software sales representative or Revelation Software's Customer Service department at (800) 262-4747 or (201) 594-1422. (In the UK and Europe, please call +44 (0) 20 8912 1000)

OpenInsight Enhancement History

9.2 Bug Fixes/Enhancements

Database Manager

- The list of tables now updates correctly when SQL, D3, or U2 tables are added.
- The 'Search' shortcut key has been changed from Ctrl-F3 to Ctrl-F
- The database manager view now refreshes when a table is added.
- When printing from the context menu, the print preview screen would be obscured by the database manager. This has been corrected.
- Fixed issue with language AM and PM times being reversed.
- Updated status messaging for compressing LH information.
- Updated rename tables dialog to default to current application.
- When adding indexes, only tables in the current application or the Global application are displayed. Previously, all tables were displayed, but indexes could only be added to tables in the current or Global application.
- Updated Copy Table dialog to clear after copying.

O4W

- A new capability of creating browser-based applications has been added to

OpenInsight. Developers will be able to create tables, forms, reports, menus, etc. See the O4W Quick Start Guide for details.

SQL Connector

- A new capability of connecting to and using SQL tables as if they were native OpenInsight tables has been added. See the SQL Connector Quick Start Guide for details.
- Sql connections appear in the repository as datasources
- Sql connector datasets are related to their parent connection

D3 Connector

- A new capability of connecting to and using Tiger Logic's D3 tables as if they were native OpenInsight tables has been added. See the D3 Connector Quick Start Guide for details.
- D3 connections appear in the repository as Datasources
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U2 BFS

- U2 Connections appear in the repository as Datasources
- If a lock/read/write/delete operation fails with a "bad file handle" or "Session timeout" error, the U2_BFS and U2_CONNECT will attempt to reconnect to the server, reactivate the handle, then repeat the operation before reporting a failure. This should reduce the incidence of save errors due to connection timeouts. A side benefit is that read/write operations may be slightly faster, because some connection testing logic that occurred on every I/O now only occurs on failed I/O operations.

Banded Report Builder

- Some bugs have been fixed

Basic +

- A new function named RTI_OS_DIRECTORY has been created. It supports methods such as Create, Delete, Rename and other methods for dealing with OS directories.
- The SysCodeTemplates and Commuter Module routines have been modified to set the default date to the workstation's date setting, and not to US date format.
- A number of new APIs have been introduced for the O4W product. See the O4W reference guide for details.
- Debugger now supports scrolling.
- Debugger will now remember last size on run rather than closing and restarting.
- Debugger hex edit window will not force debugger into the background when closed.

Table Builder

- Fixed issue with column details not populating correctly.
- Fixed issue with splitter bar causing window painting distortion.
- Added capability for search to check all three tables.
- Updated open dialog invalid character handling and cursor positions.
- Added LH Volumes to defined locations.
- Updated variable type defaults for length and justification.

Indexing

- A new type of indexing has been added – Bitmap Indexing. Bitmap indexes have nothing to do with images, but rather with bit arrays (the 'bit map'). We do the work internally with bitwise operators. They are mostly used for indexes where the number of indexed values are relatively small; e.g. Sex (M, F), Active(Yes, No), etc. Basically, there is one index node per index value, as opposed to our Btree or Xref indexes, which could have many nodes per value, or multiple values in a node.

- Some issues with IDX_SETS have been corrected; IDX_SETS now runs faster.
- The indexing routines SI.MFS and F.INDEXER have been modified to prevent writing records whose id's contain system delimiters. This should prevent index corruption caused by bad keys. F.INDEXER will log skipped index transactions in a SYSLISTS record named RTI_INDEX_ERRORS.

Internationalization

- System speed while in UTF8 mode has been dramatically increased.
- A new function named OI_GET_LOCALE_DATE is now available. It will display a passed date in the format as determined by either LND setting in the database manager, or by the Windows Local settings.
- A number of binary operators, used to work in terms of BYTES rather than CHARACTERS have been added to the Basic+ language. These include GetBinaryValue, PutBinaryValue, GetByteSize, CreateBinaryData, BCol2, BRemove, and more. Please see the What's New in 9.2 guide.

General

- The APPBACKUP routine now creates the directories needed when restoring an application.
- Added drop downs and scroll bar to the Popup window.
- Added password style to editline when creating new application.
- Updated contextmenu to account for multiple instances of a window.
- Fixed issue with RUN_LABEL when sending an incorrect label name.
- Popup of volumes was fixed to display volumes instead of sysptrs.
- A program named RTI_TASKMANAGER has been added to the system, allowing developers to schedule processes through the Windows Operating System.
- Fixed various issues when toggling between new and old IDE.
- A new OECGI3.exe interface has been supplied. See the oecgi3 Quick Start Guide for details.
- OpenInsight now supports Single Sign-on using LDAP.
- Updated commuter module to correctly generate date.
- Updated create new application window to correctly link to the abstract dialog box.
- Fixed multiple issues with OInsight.exe being hung up with OIPI.
- Fixed major issue with hidden menus causing the parent menus to become corrupt.
- Fixed issue with new IDE correctly applying a logon banner.
- Added Utility to remove style sheets from individual forms in routine RTI_REMOVE_STYLE_SHEET.

UI Workspace

- The Popup Builder has added dropdowns for Column Id and Col/Header Justification.
- Minimum and Maximum tracking sizes have been added to the popup builder.
- Popup wizard has been updated to correctly account for customer popup headings.
- Fixed issue with blank tables causing errors in the table selection tab.
- Fixed issue with changes tables not updating information on the table selection tab.
- Updated quick help to properly change the font when toggling between fonts.
- Event designer has been updated to open as a child window.

TCL

- A new output option of (G has been added to run reports to a grid control.
- Softkeys have been added to TCL.
- The Copy_Row command will inherit and copy an active select list.
- The Query Table has been implemented again for TCL, as in Arev.
- Fixed issue when selecting a record that had * and then entering deleterow would

- delete all records in the table.
- Added SUM option.
- Using ".N", to retrieve list items would fail if user entered an alpha.
- Fixed editing multiple records at a time.
- Fixed multiple commands functioning without parameters.
- Added/Updated PAINT feature to the TCL.
- Added multiple warnings to delete and clear options.
- Fixed issue with editing records where the edit would turn to a select statement.
- Added more options and a menu item.
- Added help to the menu items.
- Fixed .L command to show dropdown command.
- Added RUN_LABEL functionality to TCL.
- Fixed assistant list issue where field names were inserted before filenames.
- Updated COPY_TABLE to prevent invalid characters.
- Updated ATTACH to prevent invalid characters.
- Updated DETACH_VOLUME error handling.
- Updated informational popups to not clear text on close.
- Updated RUN command to eliminate truncating to 99 characters.
- Fixed DELETEROW multi-part key issues.
- Added print capability to select column popup.
- Updated COPY_TABLE to allow copy of table exists.

Form Designer

- Limit of 64K characters in the New Form dialog box list of tables has been found and removed.
- Updated new table dialog to default to OpenInsight tables.
- Form designer will not support style sheets any longer.

System Editor +

- Fixed issue with global replace clearing out object code.
- Fixed suspect unassigned value errors with opening/reading tables into the same variable name.
- Fixed compilation time displayed in editor plus.
- Fixed issue where replace feature kept writing data after completion.
- Fixed issue with double clicking on inserts with a space in them.
- Fixed issue with opening new procedures by double click.
- Updated open record dialog to have down arrow functionality.
- Fixed issue with view locked insert and stored procedures.
- Cursor will now return to original position when formatting program.
- Added ability for spacebar to select/unselect record in record list.
- Added DEFINE_STRUCT to menu.
- Fixed issue with variables not coloring property with dot in them.
- Fixed issue with labels not coloring properly with a dot in them.
- Fixed issue with formatting program where alignment was off when a semicolon and asterisk was on the same line.
- Added Redo functionality to editor.

AREV32

- Fixed issue in banded report writer where multivalued fields were not being printed correctly if the field was the last data field in a table.
- Fixed issue with conversion where failed dictionaries would not convert the symbolic information. It now converts the information and is commented out.

- Corrected situation where using setprinter 2 and run report where run report would display the setprinter2.

RDK

- Fixed issue with save button being inactive when opening an existing deployment definition and changing the repository view.
- Modified date validation in deployment definition to use locale date.

OIPI.net/OIPI

- Run_Report commands now process faster.
- Fixed issue where TEXTXY was not resetting font parameters.
- Fixed issue where excluded tables are included in reporting.

Single SignOn

- Single Sign-On (SSO) allows OpenInsight users and system administrator to simplify their OI security and administrative tasks. By configuring SSO, OpenInsight users can be authenticated via traditional OpenInsight methods, via Windows security, or via a combination of both.

9.1.1 Bug Fixes/Enhancements

General

IDX_SETS

An error in IDX_SETS has been fixed. Under certain circumstances, especially in the CTO and AREV32 environments, IDX_SETS performance was seriously degraded. A new version of IDX_SETS has been written using .NET libraries, instead of the original C and Assembler routines.

The default behavior of IDX_SETS will be to use the original Assembler/C routines. To use the .NET libraries, the ClientSetup.exe needs to be run on each workstation. This will install the idxSets_Setup.msi that was placed in OpenInsight's root directory during the upgrade. The idxSets_Setup.msi will install the .Net libraries needed to execute IDX_SETS.

There is a new record in the SYSENV table called CFG_IDX_SETS. This record, as shipped, contains the value "IDX_SETS1" in field 1. When IDX_SETS is invoked, the system will interrogate the CFG_IDX_SETS record to determine which version of IDX_SETS should be used. If the value of the record is "IDX_SETS1" the original Assembly/C interface is used. If the value of the record is "IDX_SETS2", then the .NET library is used.

AREV32

- Fixed issue where RWREPORT would not display when printing to the screen.

OIPI.net/OIPI

- Fixed issue when creating files using list or run_report the preview would display.
- Fixed issue where OIPI.Net not creating CSV files.
- Fixed problem where OIPI.NET was not justifying the ADDBTABLE message results.

Database Manager

- The Add Relational Index window did not allow a key value to be used in the From fields. This has been remedied.

Banded Report Builder

- Fixed issue where the Calc button was not working.

TCL

- Fixed issue where TCL command DELETE was deleting last active list when a specific key was sent to delete.
- Added functionality for TCL Command Stack to be user based. The system will create and maintain SYSLIST records named <appName>*<userName>*COMMAND_STACK as in:
EXAMPLES*EXAMPLES*COMMAND_STACK
EXAMPLES*SEAN*COMMAND_STACK

General Fixes

- Scrollbars have been added to the DotNetExplorer window EditTables.
- RTI_Getnetworkusername missing a program. Added missing program.

System Editor ++

- The Global Find and Replace window now has the option to search inherited applications.
- The Global Find and Replace 'Searching' message now has a cancel button on it so the user can cancel out of the search.
- Fixed the issue with Cascaded/Tiled stored procedure code windows not redrawing properly

Client Server Workspace

- Options Buttons have been added to the XO_CHILD (Connection Object Child) window so the user no longer needs to double-click to see options.
- Options Buttons have been added to the DS_CHILD (DataSet Child) window so the user no longer needs to double-click to see options.

Table Builder

- A Savewarn message was added to the Calculated Column Edit dialog.
- The popup used when selecting individual fields for the Group Columns to return an ordered selection.
- Fixed a list handling error when adding and removing QuickDexes and RightDexes. To ensure correctness please remove and re-add the QuickDexes and RightDexes after installing update.

RDK

- Added feature to RDK buildexe to allow default to designation and data paths.

9.1 Bug Fixes/Enhancements

General

- Fixed issue where deleting a context menu did not delete the record in SYSREPOSCONTEXTMENU file.
- Fixed issue with RDK displaying log when 3rd option is true.
- Fixed issue with RDK where Save-As locks the original item.
- Added new functionality to new IDE. Users have ability to hide or show repository and help box, maximize workspace, collapse/expand refresh repository outline.

- Added REVDOTNET API to allow OpenInsight to integrate with .NET controls.
- Added DOTNETEXPLORER window to explore .NET controls.
- Added RTI_TASK_SCHEDULER as an OI front end to the Windows control panel scheduled tasks. (SHTASKS.EXE)
- Added RTI_INDEXER_CONFIG as a front end to schedule indexing utilizing the RTI_TASK_SCHEDULER and the Engine Server.
- Added OERUN.exe for use with the RTI_TASK_SCHEDULER. It is intended to be called from the windows task scheduler, but can be called from batch files too.
- Added RTI_CDOMAIL to send email from OpenInsight using authenticated login and or SSL.
- Added RTI_SENDFAX to provide the ability to send a fax from OpenInsight using the standard Windows Fax Server (included in XP, Vista, Server 2003 and Server 2008).
- Added RTI_CreateGUID to generate a GUID. This provides a way to get unique keys without using locking.
- Added RTI_MD5 to enable one-way MD5 hashes. This can let you validate passwords, credit cards or SSN without storing them.
- Added RTI_JSON to allow you to generate JSON formatted data. This is useful for custom web programming using AJAX techniques
- Added RTI_RSS as an example of reading RSS feeds in JSON format
- Added RTI_GETNETWORKUSERNAME to get the network user
- Enhanced XML Import Wizard to import of XML without a schema. Replaced in-house parser with use of MSXML parsers. Provided underlying RTI_XML object.
- Some of the new IDE screen handling has been updated.
- Fixed issue where Collect.IXVals response was limited to 64k.
- Fixed issue where SYSENV*SYSPROCNames was being deployed empty.
- Fixed a bug in LH_VERIFY_SUB that incorrectly calculated the average row size.
- INLIST has been fixed. An error causing OpenInsight to abend has been remedied.

TCL

- Fixed issue where TCL Assistant was only deleting 999 rows of a table.
- Added a new FIND command. The syntax is <table> "<search string>"
- TCL window is now expandable.

UI Workspace

- The POPUP, MSG, and APPNOTE screens have been modified by adding a button to them. Clicking on this button will load the Basic+ code required to create the specific or generic Popup, Msg, or Appnote being created, and load that code into the System's Clipboard. The developer can then paste that code where they want to.
- Fixed issue in the UI workspace where setting the message background color would cause OI to crash.

AREV32

- Fixed issue where AREV32 would lose focus if using index server and system was idle for 30 seconds.
- Corrected setalias_sub giving false error messages when doing a set alias to an existing alias.
- Fixed error when doing a cleartable using dots.
- Fixed an issue with display of multivalued fields on screens.
- Fixed an issue with system exiting to debugger when hitting F2 while on a menu.
- Fixed issue where compiler is generating errors when '/' is contained within a comment.
- Fixed issue with left-click causing an error when drawing a box around a prompt.
- Fixed issue with TIMEDATE() variables not displaying seconds on print.
- Fixed issue with conversion not creating indexes for cross reference and relationals.

CTO

- Added the ability to create macros for use with the CTO_CHILD_FORM and CTO_STANDALONE_Form. Ten (10) macros can be defined for each User within an Application. The form is RTI_CTO_MACROS.

WebOI

- Improved handling of key fields with conversions
- Made a change to prevent the creation of program lines that were too long to compile correctly
- Improved logic for determining the All Pages flag for controls
- Made changes to multi-part key handling
- Column Justifications in EditTables are now handled correctly when converted to WebOI
- Modified the WebOI 'Clean' processing to clean specific forms, instead of all.

OIPI.net/OIPI

- Added Maximize option to Run_Report command to display preview maximized.
- Modified temp path to send OIPI temp files to system temp instead of MY Documents.
- Fixed issue where textbox method was not working.
- Fixed TABLECELL Y value position being in the wrong order.

System Editor/Basic+

- Fixed a problem with pressing Ctrl-F while the 'FIND' window was already visible
- Fixed an issue with Get_Property where the first parameter was null. Get_Property now returns a null instead of dropping to the debugger with an error.
- Added new 'Code Templates'. These are prebuilt chunks of code stored in the SYSCODETEMPLATES table. Revelations ships some examples; developers can extend them as needed.
- The Basic+ commands for working with .Net assemblies have been modified. These include STARTDOTNET, SET_PROPERTY.NET, GET_PROPERTY.NET, GET_INFO.NET, EVENTS.NET, SEND_MESSAGE.NET, CREATE_CLASS.NET, FREE_CLASS.NET, CREATEINTERNALOBJECT.NET, and PARSEDOTNET.
- A new series of Rlist Callback routines have been created or modified. These include RLIST_XML_CALLBACK, RLIST_JSON_CALLBACK, RLIST_CSV_CALLBACK, RLIST_TEXT_CALLBACK, RLIST_TAB_CALLBACK, RLIST_HTML_CALLBACK, and RLIST_EDT_CALLBACK.

Form Designer/Presentation Manager

- The ComboBox Populator has been enhanced to support a SORTBY: tag, allowing an AL/AR/DL/DR sort. Also, additional literal items can be added to the list, and they will appear at the top of the dropdown.
- A new set of FocusCell properties has been added. Details are: FOCUSCELLFONT, where a specific font can be set for the cell that has focus; FOCUSCELLCOLOR, where colors can be set for the foreground and background color for the cell that has focus, for EditTables where row selection is or is not set; FOCUSRECTWEIGHT, where the thickness of the rectangle surrounding the EditTable cell that has focus can be set to light, medium, or thick; FOCUSRECTSTYLE, where the rectangle surrounding the EditTable cell that has focus can be either a solid or dashed line; and FOCUSRECTCOLOR, where the color of this rectangle can be specified.
- Menus have been modified to support graphics and textual separators. The contextmenu designer and menu designer have been modified as required.
- Sample screens have been added to the build to show examples of using a number of features in OpenInsight. They include TEST_EDITTABLE_DND for testing

EditTable drag and drop; TEST_CONTEXTMENU for testing context menus; TEST_NEW_ET_STYLES, for testing the new EditTable styles included in OpenInsight 9.0; TEST_EDITTABLE_DROPDOWN and TEST_EDITTABLE_CHECKBOX for testing EditTable dropdown lists and checkboxes.

- The QBF Query parsing Logic has been revamped. In prior versions, QBF was not using the same WITH clause logic that RLIST uses. QBF now uses the same META parser that Rlist uses. Range selects are now supported, for example A...Z will find items from Aardvark to Zebra
- The maximum number of controls supported in a form has been increased from 920 to 2048. This will be the maximum number of controls in a form.

Database Manager

- The Add Relational Index window did not load columns in the Column Name dropdown when the table was entered manually. The window only loaded the columns when the table was selected in the Filename dropdown. This has been corrected.
- The Add Relational Index window loaded key fields in the "Index To, Column Name" control. This has been fixed to not display the key fields as an option when "Indexing .. To"
- A new page and Tab have been added to the Environment Settings window. This tab, labeled Window/Form Settings, allows the developer to set default behaviors for form's Background Color gradient, EditTable FocusCell settings, and Graphical Menu settings.
- Added clear table functionality.
- Added option to choose volume or directory when adding a table.
- Updated refresh issue. Users do not have to exit and re-enter database manager to see certain changes to database.
- DETACH_VOLUME did not always detach U2_Volumes correctly. This has been corrected.
- ENVIRON_CONSTANTS insert has a new value ENV_BTREE_FLUSH_ON\$ (66)
- BTREE.EXTRACT will now flush indexes before query if the environment parameter ENV_BTREE_FLUSH_ON\$ is true.
- The database manager environment window has a new checkbox to maintain the ENV_BTREE_FLUSH_ON\$ setting.

Commuter Module Generator (RTI_Commuter window)

- Some issues with all events not being converted have been addressed.
- Clicking on the 'All Controls/Supported Events on the Form' checkbox now gives a warning about how many program stubs will be created.

Table Builder

- The 'Find' keystroke of Ctrl-F3 has been changed to Ctrl-F to be more in line in industry standards.
- The '\$' character has been removed from the Create Insert prefix list. Equates starting with a '\$' are compiled as Inserts and fail.
- The limitation of entering only 23 characters for a DEFAULT value on a dictionary field in the "Edit Data Column Attributes" screen has been removed.
- A corruption of the dictionary screen when using the splitter bar in the opened table window has been fixed.

Banded Report Builder

- Fixed issue where BRW_CHILD.STATIC_DFLT would cause an OI crash.

9.0 Bug Fixes/Enhancements

IDE

- A new IDE has been added. This IDE was written using the OpenInsight Toolkit.
- The IDE can be launched manually through the System Monitor by typing "EXEC RTI_IDE_MDI"
- The IDE can be launched automatically through a new IDE command line switch on your Windows Shortcut. The switch takes the form: \IDE=<FIELD POS>. When launching OpenInsight the SWAP_DATABASE command reads the CFG_IDE record in the SYSENV table. It will use the field position specified in the <FIELD_POS> value of the IDE command line switch. The CFG_IDE record has a default of RTI_IDE_MDI. Therefore if one specifies \IDE=1 on the command line when launching OpenInsight, then the new IDE will be displayed. The CFG_IDE record is available for use by developers. If one specifies \IDE=2, the system will look at the second field in the CFG_IDE record and launch the appropriate window. The system expects to launch a window.

Basic+

- Edit Table Functionality. There have been numerous enhancements to the Edit Table control for OpenInsight 9.0. These include: Multiline Cells, Combo Box and Check Box processing for individual cells, rows and columns. New Messages for the Send_Message function for manipulating an edit table have been added. These include:
STYLE_BY_POS - Set and retrieve the Style for an entire column, row or particular cell
Setting the STYLE_BY_POS: retval = Send_Message(CtrlEntId, "STYLE_BY_POS", column, row, style)
Retrieving the STYLE_BY_POS: retval = Send_Message(CtrlEntId, "STYLE_BY_POS", column, row)

Please review the Programmer's Reference Manual, STYLE_BY_POS message for examples on how to use the new styles.
- New Styles in that have been added are:
OPTIONSBUTTON (will create a button within edit table cells. When the button is clicked the table's OPTIONS event is raised.)
DROPDOWNEDIT (will create a drop down type of Combo Box within edit table cells.)
- The CLEAR_TABLE command has been modified to that if there are indexes on the file, they are rebuilt.

General

- A Window (SYSCOPYAPPS) has been added to copy entities or applications to a different application.
- Fixed RDK to handle post RDK processing.
- When using the UNC path in the Detach_Volume command the system returned an error. This has been corrected.
- Corrected the RDK Entity selection to handle multiple entities correctly.
- Double clicking on Insert in editor launched open record dialog. This has been corrected in the new editor.
- Fixed issue when deleting a long entity name in the Repository Dialog Box you could not see the complete name.

- Fixed issue with RDK not deploying all DLL's.
- The RDK will now create Setup.EXE updates
- When using Repository-Checkout to a directory that does not exist, the system now prompts you and will create the directory

Database Manager

- When Adding Indices in the Database Manager, a message will be displayed to advise of processing.
- When modifying users if index is not changed it will retain original password.
- Modified the DM_INDEXES_ADD screen to report the error code when an unknown error is returned from Create_Index
- The Maintain Index and Remove Index screens have been modified to protect the EditTable from deletion of rows and editing of cells.
- A new SYSPTRS window has been added. It allows the user to define data locations and save them in the SYSPTRS table.
- A new environment setting has been added allowing the user to decide on default background color(s) for all windows in a system.
- Localization settings for dates, Time, currency, and so on can now be set in the Environment of the database manager.
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TCL

- Fixed Issue when doing a 2nd select the select was taking longer than it should.
- Added support for the NameVolume command. Synonyms include Name_Volume, NameMedia and NameVol.
- Added support for the ListIndex command.
- Added security so columns excluded would not display. If using columns in list statement no data will be displayed if the columns are excluded in database manager.
- A new keyword of NUMCOLUMNS has been added to the OpenList reporting language. A value here will cause the outputted data to be printed in the specified number of columns across a page, instead of just down pages.
- The SQL command has been modified so that if the SQL keyword is followed by a SQL command, the SQL window is launched and the statement executed.

Form Designer

- A new TABLE property has been added for the Window. It returns the primary table as defined in a form.
- OpenInsight forms now support a background color gradient. In the Window's Property panel, if Background Color is checked, a new Gradient button is enabled.
- The OLE interface has been rewritten and should result in support for more OLE functionality.

Banded Report Writer

- Total and Averages Added.
- Options for PDF and Text files have been added.
- Ability to Suppress Detail
- Ability to Add Default Printer.
- Ability to add default Font.
- Oconv now has a popup to select conversion formats.
- Fixed problems with locks not releasing.
- Smallest font reduced to six.
- Fixed Removal of Bands.
- Added the ability to create Symbolics in the report.

- Added the ability to modify column headers.

Table Builder

- Adding Quickdex modified to create %RECORDS% at create.
- Fixed key part number when changing from data field to key field.
- Support for G or Group type fields has been added.
- A new Description field is now available when creating a new table. This description appear when choosing a table in the reporting tools.
- When dictionary records are updated, the username of the user who made the changes is stored in field 13 of the dictionary record. The DICT_EQUATES insert has been updated to reflect this.
- The TB_CHILD window has been modified to show columns' justification and AMV groups. The Column Name column now auto sizes itself.
- The 'Find' shortcut key has been changed from Ctrl-F3 to Ctrl-F. This key allows the user to search for text in either the Fixed or Calculated columns.

System Editor++

- A new System Editor ++ has been added into the system.
- The new System Editor++ has fast, accurate color coding, the ability to collapse code and show line numbers
- The new System Editor++ supports the opening and editing of OS files, and performs color coding on HTML and JavaScript tags.
- The new System Editor++ shows syntax assistance tips for Basic+ keywords, functions, and subroutines.
- In the new System Editor++, a group of lines can he highlighted and all commented or uncommented by pressing Alt-C

Arev32

- Modify conversion program to drop bad voc records causing issues at start up.
- Fixed startup where an erroneous message was displaying invalid Macro.
- Fixed issue when default was in lower case.
- The PcPerform command in Rbasic was not suspending OI until the dos operation completed.
- Fixed RTP18.English so dictionaries with dots would work when listing from the list command.
- Code 'C' in Window routines was not working when the code statement contained AREV commands.
- Corrected Issue where environment if different from user was not being used.
- Fixed issue where (P) in middle of R/List sentence did not work.
- Corrected the Alt/V function.

OIPI

- A new .Net version of the OIPI Print engine is available. Current functionality can be maintained by modifying the CFG_OIPI record in the SYSENV file. The value VSPRINTER in field one of the record will use the 'classic' OIPI engine; a value of VSPRINTER2 will use the new .Net engine.
- Text File option will now create text for complete document including addtables and textxy data. Pictures will not be in the text file.
- Environmental option added for default path of users.
- When printing to a device that requires a file like a PDF writer printer the system would lose the default path. This has been fixed.
- When using OIPI.Net, a new preview window is now available, with thumbnail previews and more 'Save As' options on the report, and the ability to Search or Copy

- the previewed output.
- OLIST_PRODUCE has been modified to reset the system variable @RN.Counter.

SQL Window

- The SQL window has been modified so that column justifications are correctly based upon the table's dictionary items.
- A splitter bar has been added to the SQL window so that the statement area and result area can be resized.
- A new PRINT button has been added to the window to print the output of the statements.

Report Builder

- Report Builder now has the capability of printing 2 or more 'printing columns' on a page. The value is set in the Page Setup dialog box under the File menu in the Report Builder.
- Field Security has been added to environment settings. Fields excluded will not display in report builder options and will show as blanks in list commands.
- Fixed issue with underline in headings.

XML Workspace

- A new XML Importer wizard has been created. It is much easier to use and more intuitive than the prior version.
- The XML publisher and INET_OI_XML routines have been modified to allow the user to decide whether or not the process should create a schema file. The Default answer is yes.
- Corrected ordered popup of selected tags in XML Importer.

U2 BFS

WebOI

- A new Web Publishing tool named WebOI has been created. It can be accessed by typing Exec WebOI from the system monitor.
- The WebOI screen's 'Tools' tab has a Commuter Module Generator. See the WebOI Quick start for details.

8.0.7 Bug Fixes/Enhancements

General

- The first call to the ALIAS_TABLE command was deleting active select lists. This has been fixed. This issue was reported due to trouble using CTO.

Form Designer

- Fixed an issue where data in an editable is corrupted when Column Labels are set/changed in an Editable with numerous columns.
- A new BITMAP property has been added. The Property is SCALE. It will force a bitmap to resize to the appropriate scale based upon its proportions, rather than scale to the dimensions of the control.
- A new style has been added to the BITMAP Control. 'Clip' clips the image to fit the control, Stretch resizes the image to fit the control, and the new Scale resizes the image proportionally to fit the control.

Arev32

- In previous versions of Arev32, the printer was not terminating when using "printer off". It was only terminating when the program terminated. This has been fixed.
- Issues with PDISK, such as, not allowing for the output of ASCII character 00 and not terminating properly thus building excessively large print files, have been fixed.
- You can now update and rebuild indexes without having to use username as the application name.
- A bad VIDCTRL message has been fixed.
- Issues with PC Exit and PC Suspend not working properly have been fixed.
- When the TCL environment option was set to "T", the TCL was not being displayed when the F10 was pressed. This issue has been fixed.
- Corrected the issue where VM Size in memory was not being reduced causing sluggish processing.
- Corrected the issue where environment in user record not overriding standard environment.
- Fixed catalyst command using 'K'.
- Using font prime commands on merges has been fixed.

U2 Connector

- The U2 Connection dialog box has been substantially modified and updated. For full details see the Whats New Document.
- Issues with attaching large numbers have been resolved
- Table Attaches and dictionary conversions are faster.
- You can now specify a list of tables to attach, rather than attaching all tables
- An issue with conversion of I-Type fields has been resolved
- The program U2_EXEC_ITYPE has been improved
- A program named TEST_U2_SUBCALL demonstrates use of U2_SUBCALL and U2_EXEC_PROC.
- A Window and supporting program named TEST_U2_PROMPTS demonstrates using LOCALE_DATE_FORMAT

8.0.6 Bug Fixes

Release Note

The 8.0.6 release can be applied to 8.0.3, 8.0.4, 8.0.5 and 8.0.6 releases. Earlier releases need to be upgrade to at least 8.0.3 to apply this upgrade.

The only known issue that 8.0.6 fixes is the Utility function's CHOOSEFILE service was broken in release 8.0.5.

8.0.4/8.0.5 Bug Fixes/Enhancements

Release Note

The 8.0.5 release can only be applied to 8.0.3 or 8.0.4 releases. Earlier releases need to be upgrade to at least 8.0.3 to apply this upgrade.

Database Manager

- When Adding Indices in the Database Manager, a message will be displayed to advise of processing.
- SSP116 Error Message when attempting to change a user's access level was not displaying meaningful message. This has been fixed to display the SSPError text from REVERERROR.DAT
- Fixed the Alias Table Dialog's top group box. The box had white space displaying outside a visible gray border, as well as displaying the right side curves.

- The Alias Table Dialog now displays all tables within the specified volume. Prior to the change only currently unattached tables within a volume were displayed. This allows for the aliasing of an existing attached table.

Basic+

- A new INET_TEST_CONNECT routine was created. This function tests whether the OECGI/OECGI2 connection is successful. The INET_TRACE routine reads the registry and if the proper permissions are not in place then the INET_TRACE returns an error. The INET_TEST_CONNECT function solves this issue.

General

- Fixed RDK to handle post rdk processing.

Form Designer

- The RTI_POPULATE_COMBO stored procedure for processing of the population of combo boxes from routines or files contained an error when released in OI 8.0.3. A patch was released on January 8, 2008. This patch contents have been included in the OpenInsight 8.0.4 release.

OCX/OLE

- An error in handling keystrokes in OLE controls has been remedied. The **NOACCELTRANSLATION property** has been added, as well as, the **SUPPRESSKEYTRANSLATE** message. The NOACCELTRANSLATION property is a boolean property that may need to be set when the keys used within the OCX should not be passed to the OpenInsight Presentation Server. This fixes the issue where the RichTx32.ocx embedded in OpenInsight forms loses the ability to use navigational keys (arrows, page up, page down, home, etc., etc., etc.) within the ocx. Using the following Set_Property command will ensure that the keystrokes within the OCX control process properly:
call **Set_Property(oleControl, "NOACCELTRANSLATION", TRUE\$).**
- The **SUPPRESSKEYTRANSLATE message** provides NOACCELTRANSLATION functionality for specific keys. This message is used in the Send_Message routine as follows:
equ VK_BACK\$ to 8
call Send_Message(oleControl, "SUPPRESSKEYTRANSLATE", VK_BACK\$, TRUE\$)
This example will stop the BACKSPACE key from being processed by the OpenInsight Presentation Server but all other keys will be processed by OpenInsight.
- The FORCEKEYDISPATCH message will force the OpenInsight Presentation Server to handle an individual keystroke regardless of the OCX translation. It has the same syntax as the SUPPRESSKEYTRANSLATE message: Send_Message(controlName, Message, keystroke, boolean). This message is used as follows:
equ VK_RETURN\$ to 13
call Send_Message(oleControl, "FORCEKEYDISPATCH", VK_RETURN\$, TRUE\$)
This example will force the Presentation Server to handle the ENTER key, as well as the OCX.

Arev32

- Modify conversion program to drop bad voc records causing issues at start up. Fixed startup where an erroneous message was displaying invalid Macro.

More details can be found in the accompanying help files.

