



uniPaaS V1.5

Release Notes

We are proud to introduce **uniPaaS V1.5**. uniPaaS V1.5 is an improved and updated version of the uniPaaS V1.0 release. Read the information in this document to find out more about this latest uniPaaS version.

Introducing Magic Software's uniPaaS V1.5

We are delighted to announce the launch of a new release of Magic Software's uniPaaS SaaS-Enabled Application Platform (SEAP).

uniPaaS allows organizations to quickly and cost effectively enjoy all the benefits of Rich Internet Applications (RIA) and Software-as-a-Service (SaaS) applications, whether on-premise, or on-demand.

Based upon a unique, unitary development paradigm, uniPaaS gives the power to quickly develop, enhance, and deploy business applications under multiple deployment models and at a fraction of the cost and time compared to conventional .NET or Java environments.

RIA Full Deployment Is Now Available

With this release of uniPaaS 1.5 and the introduction of the new .NET based RIA client module you can immediately take your RIA applications to full production. Contact your [local Magic Software Representative](#) for more information on how to purchase your RIA deployment licenses.

Further Enhancing the Platform

Check out the long list of the many [new features](#) added to the product. These new features enable you to accelerate application development and to produce more sophisticated and manageable business applications. This long list is added to the continuous effort of optimizing and proofing the product by addressing and fixing customer and internal reported problems.

With uniPaaS, you enjoy:

- Business-driven application development
- A unitary development paradigm
- Preservation of investment and skills
- Significantly faster time-to-market and ROI
- Better performance and responsiveness
- Considerably lower cost of operation and ownership
- Much lower development risks
- Superior application productivity
- Fast and simple implementation of the SaaS model
- Future growth opportunities
- Better competitive edge, leading to higher revenues and profitability

uniPaaS Licensing

In addition to the new unitary development and deployment paradigm for RIA and SaaS, uniPaaS also supports any previous Magic Software editions and forms of development and deployment. However, in order to maintain your former development and deployment capabilities, you need to obtain new uniPaaS licenses that reflect your current eDeveloper V10 licenses.

To obtain uniPaaS licenses, please contact your local Magic Software representative.

uniPaaS Web Page

Make sure you visit our [uniPaaS Web page](#) from which you will be able to view and download various documents.

Migrating from eDeveloper V10.1 to uniPaaS

Migrating an eDeveloper V10.1 application to uniPaaS is quite straightforward and no explicit migration procedure is required.

You can directly access and open eDeveloper V10 applications from the uniPaaS Studio and Runtime engines.

Migrating from eDeveloper V9.4 to uniPaaS

Migrating an eDeveloper V9.4 application to uniPaaS is fast and easy.

uniPaaS provides a collection of wizards to easily migrate your application, INI settings, and interface builder data.

In the Migration subfolder of the product, located in the Start menu of your desktop, you will find a shortcut to each of the available conversion wizards.

We recommend reading the Migration chapter in the *uniPaaS Help* before migrating your eDeveloper V9.4 applications.

From Record Main Based to Event Driven Applications

Turn your applications into fully event driven by utilizing the new Record Main Converter utility. The Record Main Converter utility locates all of the Record Main based logic of a uniPaaS application and automatically and fully converts it to event based logic while keeping the entire functionality of the application intact.

Making your applications completely event driven enables you to utilize new features, such as Subforms and Explicit Tabbing order of controls that are not available in tasks that have the Record Main Compatible logic unit.

But most importantly, this conversion brings your application one big leap forward towards turning the application into a Rich Internet Application (RIA), allowing you to start and benefit from the great values of RIA sooner than ever before.

Note that the Record Main Converter utility might not handle specific complex logic segments. In such cases, the complex logic segment will be kept as-is to maintain the application functionality and to allow for manual intervention to complete the conversion.

Bundled Products

uniPaaS V1.5 comes with the following bundled products:

- Limited version of DB2 Express – limited to 3 months
- Version Control
 - CVSNT – VC server
 - Jalindi Igloo – VC client
- The Magic Optimizer
- The Record Main Converter

The Magic Optimizer

Magic Software is happy to introduce Ocean Solutions's complementary utility – the Magic Optimizer. The Magic Optimizer provides extended query and analysis capabilities for any uniPaaS application.

This version of the Magic Optimizer provides a fully operational documentation feature, and a limited evaluation version of the remaining features.

To obtain a fully operational license of the Magic Optimizer, please contact Ocean Solutions at info@magic-optimizer.com.

Downloadable Databases

You can connect your uniPaaS V1.5 application to various databases, including all of the previous eDeveloper V10 database gateways.

Below are some links to downloadable express version databases.

Make sure that the corresponding uniPaaS V1.5 database gateway is included as part of the uniPaaS V1.5 installation.

- [Oracle Database 10g Express Edition](#)
- [Microsoft SQL Server 2005 Express Edition](#)
- [MySQL 5.0](#)

Certification

For information about the various platforms on which uniPaaS V1.5 has been certified for operation by Magic Software Enterprises, refer to the Certification.pdf file provided with this installation.

New Certifications

The following databases were checked and are now certified:

- MSSQL 2008
- Oracle 11g

The following operating system was checked and is now certified:

- Windows 2008 server

Rich Client on Apache Web Server

To run a Rich Client application on an Apache Web Server, the following lines should be added to the **httpd.conf** file:

```
AddType application/x-ms-application .application  
AddType application/x-ms-application .manifest  
AddType application/x-msdownload .dll  
AddType application/octet-stream deploy  
AddHandler default-handler .jpg .gif .js .txt .bat .msi
```

New Features, Feature Enhancements and Behavior Changes

Descriptions of Functions in the Expression Editor

The Expression Editor was enhanced as follows:

- The description and syntax of the functions were added to the function selection list to make it easier for the developer to know the purpose of the function.
- A dynamic tooltip displaying the function syntax was added to the Expression Editor. The tooltip explains the function and its arguments and saves the time of looking for it in the Help.

The tooltip is automatically opened after writing or selecting a function, but it can also be opened manually by pressing Ctrl+space after the function's left parenthesis.

Colored Variable List

The variables in the Variable selection list are colored according to their type (virtual, parameter, or column).

Tooltip for the Operations' Text

A tooltip was added to the operations' text areas to show the full text of the operation.

Arguments for Push Button Control

The Push Button control now has the added the ability to define the arguments sent to an event that is raised from a Push Button.

Push Button Control of Hypertext Style Enhancements

Push Button controls of Hypertext style were enhanced as follows:

- Horizontal Alignment support was added.
- New color properties were added to allow full control over the colors per control.

Tab Order and Visibility for Tab Control

A new property called "Visible Layers List" was added to the Tab control.

This property defines the tab layers that will be seen at Runtime, and allows you to dynamically show, hide or reorder the tabs.

Transparent and Animated Image Support

Controls that enable image display will now show transparent and animated images.

Word Wrap for Column Header text

The text in the column header of a "Windows" style table was improved and will now be word wrapped if the Vertical Alignment is set to "Top".

If there is still no room for the entire text, then an ellipsis (...) will be displayed at the end of the displayed text.

Modify in Query for More Controls

The Modify in Query option was added to the Edit and Check Box controls.

Create a New Task from the Subform Control

You can now create a new task directly from the task list that is opened by zooming from the Prg/Tsk Num property of a Subform control.

Control Modify Event

A new "Control Modify" event was added and it will be raised any time a control is modified.

This will enable you to write logic to be executed after a control value was changed, even before the caret has left the control.

To get the new value of the control you can use the EditGet() function.

Verify Operation Enhancements

The Verify operation was enhanced with the following abilities:

- Define the Title of the message box.
- Select the Image to be displayed in the message box.
- Select the Button Types to be displayed in the message box.
- Define whether the text will appear in the error log.

Drill Down into a Called Program

The Studio was enhanced with the ability to jump into a program defined in a Call operation.

This will enhance the RAD as you will not be required to leave the current program and jump to another one by typing its number.

This functionality is enabled by pressing Ctrl+F5 on any location that refers to a program.

After jumping to a called program, you can also jump back to the original location in the caller program by pressing Ctrl+Shift+F5.

These options were also added to the Options menu.

Keep the Selected Printer After Using Print Dialog

The default printer for the current session is now changed according to the printer selected by the developer in the print dialog box. So, any other print jobs from uniPaaS will use this printer as the default printer, and thus will save the end user from the need to select the printer each time.

ECF Parameter for Open Application Event

A new optional parameter (ECF filename) was added to the Open Application event.

This parameter allows you to switch between applications at runtime without the need for user intervention in selecting the required application.

Keep User Sort After a View Refresh

A new optional parameter (Keep user sort) was added to the View Refresh event.

This parameter allows you to perform a View Refresh while keeping the user sort.

DBName() Function Enhancements

A new optional parameter (info type) was added to the DBName() function in order to return additional table information, such as the uniPaaS name and Database name.

The conversion utility was also updated and it now returns the uniPaaS name when used while converting a Link Validate to a handler. The table name will now appear as in eDeveloper V9.4.

FileInfo() and ClientFileInfo() Functions

Two new functions were added to allow you to get the system information of a file, such as the file creation and update date, path, and attribute.

Note that the ClientFileInfo() function is only relevant for Rich Client tasks.

CabinetUnload() Function

A new function was added to allow you to unload a component at runtime.

Format Property of Controls

The value in the Format of the controls will remain if the expression is changed to another value that has the same attribute.

Logical Names in the Application Caption

The applications' Caption property now supports logical names, so you can define the required caption in the Magic.ini file.

Expression Support in Preload View Property

The Preload View property was enhanced to support the selection of an expression. This expression will be computed prior to fetching the records.

Source Context Support for Non-Parallel Programs

Non-parallel programs, similar to parallel programs, will now be opened according to the value in the menus' Source Context property.

Zoom-in in Read-Only Mode

The Studio was enhanced and will now allow zooming into the Expression Editor from an expression even when entering a task in Read-Only mode (such as in debug mode, or using Version Control and not checking out the task).

Tooltip for the Variable Value at Debug mode

The Debugger will show the variable value as a tooltip when placing the mouse over the:

- Entire line of the variable definition (Data View tab).
- Variable defined in the Argument repository.
- Control that has a variable attached to it (Form Editor).

Placement Dialog Box Design

The Placement dialog box was redesigned so it will be clearer to the developer what each option does.

Index Selection in the APG Dialog Box

The APG dialog box enables the selection of an index prior to executing the APG.

This is mostly required when executing the APG to browse the table records and you want to use a non-default index.

Warning Message for Large Sized Programs

The Checker was enhanced to show a warning message when performed on a program whose size is larger than a certain value.

The program size can be specified by a new special setting called "SpecialProgXMLSizeWarning".

This warning can be disabled by specifying a value of zero or via the Checker Messages entry in the Environment settings.

Header Line for Print Data Functionality

The Print Data wizard allows the creation of a header line for text file output and allows the removal of the header line for HTML file output.

Dynamically Setting the Web Service Endpoint

The value in the Web Service Endpoint property is now re-evaluated before each call to the Web server. This gives you the ability to change the value of the endpoint by updating a logical name.

Display the Call Path in the Broker Monitor

The Broker Monitor was enhanced to:

- Show the entire call path of a program / handler.
- Keep the changes in the column layouts that were made by the user.

Terminate Runtime Engines During Shutdown

The broker was enhanced and can now terminate an engine (after a period of time defined in the ShutdownTimeout keyword) even if the engine does not shut down gracefully.

This can be done by defining the Mgrbi.ini's new keyword called TerminateEnginesDuringShutdown with a value of Y.

XML Formatted Errors from the Web Requester

The Web requester can now return errors into an XML file.

The current Mgreq.ini keyword named DefHtml was replaced with DefError (DefHtml is still supported).

This keyword can now accept the additional values of XML or filename.xml.

Link Validate Conversion Change

A new option was added to the conversion utility which allows you to define whether the variable added due to the conversion of Link Validate to Link Query will be added before the link or last in the task.

Avoid the Database Login Screen in Runtime

The Database login screen, which appears when failing to connect to a database, will no longer be shown at runtime, since in most cases the end user should not change the connection settings.

A special setting called "SpecialShowDBLogin" was added to support the old functionality.

Relative Import

In eDeveloper V9.4 and below, when exporting a range of programs with references between them and then importing them to the same project, the number of references remained the same. In uniPaaS this is changed and the import will keep the reference between them, so it will not matter where they will be added.

A new special setting called "SpecialRelativeImport" was added to support the old behavior.

WebSphere MQ Code Page

New methods were added to the WebSphere MQ messaging component to give you the ability to query and set the code page when sending or reading messages from WebSphere MQ.

Define the JVM Location

uniPaaS now has the capability to load a specific JVM.dll by providing a full path to it.

You can define this path by setting the "JVM_PATH" entry under the [MAGIC_JAVA] section in the Magic.ini file.

Polish Language Support

uniPaaS now supports a Polish Language Studio.

The new language was added to the Language list in the installation wizard.

Rich Client Support Using Xpress License

The Rich Client will not be supported when using uniPaaS V1.5 with the Xpress license.

Rich Client .NET Deployment

The deployment module for the Rich Client was changed and it is now based on .NET instead of Java.

If you have used the Java deployment files (JNLP), you should create new deployment files using the updated RC Deployment builder.

Rich Client Deployment Builder

The Rich Client Deployment builder was updated for .NET deployment and will now create the .NET manifest required to deploy a Rich Client application using the Microsoft ClickOnce technology.

Rich Client Non-Interactive Task

The Rich Client task was enhanced to support execution of non-interactive Rich Client tasks, which will run on the client side.

Setting a Rich Client task to be non-interactive can be done by un-checking the new “Interactive” check box in the Task Properties dialog box.

This enhancement will allow easier conversion of Batch tasks that need to call an interactive Rich Client task.

Online to Rich Client Conversion

- User Action xx internal event conversion:

Changing a task type from Online to Rich Client will automatically change the internal ‘User Action xx’ events (which are not supported in a Rich Client task) into a user event with the same name.

This behavior will happen if such a user event is defined in the Main program.

The RC preparation utility will also perform this change if it encounters the ‘User Action xx’ events while copying the GUI styles to RC styles.

- Subtree conversion:

When changing an Online task or a Batch task to a Rich Client task, all the Online subtasks that appear under that task in the Studio tree are now automatically changed to Rich Client tasks.

- GUI backup form:

The GUI form will no longer be kept as a backup when changing a task to Rich Client.

Rich Client Function Support

The following functions were changed and are now supported on both the Server and Client:

- GetParam()
- SetParam()
- ExpCalc()
- Rights()

The following functions are no longer supported in a Rich Client task:

- FileDlg() – was replaced by two new functions called: ClientFileOpenDlg() and ClientFileSaveDlg()
- DirDlg() – was replaced by a new function called: ClientDirDlg()

Flow Direction Property in Rich Client

The Flow Direction property support was added to Rich Client handlers.

Rich Client SDI Form Behavior Change

The SDI form in a Rich Client task will not be closed when pressing the Escape key.

This will solve unwanted termination of the application by the end user, since the Rich Client does not have an MDI frame that will remain open.

Rich Client Subform Behavior Change

- When leaving the subform/frame by pressing on a control from another task, the subform record will automatically be flushed.
- The "Cycle on record" property was changed in a Rich Client task to "Tabbing Cycle" and was enhanced with the option to move to the parent task upon tabbing from the last parkable control in the subform.
- A new property, "Refresh when Hidden", was added to define whether a subform will be initiated and refreshed when it is hidden. This will enhance the performance, since subforms that are hidden will not be refreshed until they become visible.

Rich Client Control Support

The following controls are also supported in the RC Display form:

- Line
- Rich Edit
- Rich Text

Rich Client Control Enhancements

Many properties that exist in GUI Display controls were added to the RC Display controls, such as Select Program, Select Mode, Style, Allowed Direction, and Horizontal Alignment.

Some of the controls were also enhanced with new abilities, such as:

- The background color of Edit and Push Buttons will be used at runtime.
- Dynamic text support via an expression on a Label control.
- Right to Left support for some controls.
- The Show Table Title property was replaced with the Title Height property in a Table control.

Rich Client Column Sort

The Rich Client Table control now supports column sort. Note that when sorting the records, the server will be accessed.

Fixed Problems

Event List – Hebrew Version (QCR # 108455)

Incremental locate did not work in the User Event list when using the Hebrew const file.

PDF Output – Hebrew Version (QCR # 203774)

Strings outputted to PDF were trimmed when using the Hebrew const file and the application font file was defined in the application properties.

Table Control – Hebrew Version (QCR # 233521)

The Table control was not displayed properly when using the Hebrew const file while using a 2D table defined with Table in Window as No and Window Type as 'Fit to MDI'.

Version Control – Open from Server (QCR # 246879)

uniPaaS failed to open a project from the Version Control server when the project name had a dot (.) in its name.

Web Services – Schema Creation (QCR # 250498)

The Web Service schemas were not created properly for some specific services.

Link Query – Buffer Overrun (QCR # 252408)

The uniPaaS Studio crashed and displayed a "Buffer Overrun Detected" message when using a specific program.

Components – ProgIDX() (QCR # 425348)

A "Program not found" error was displayed when calling a component program using ProgIDX() and the component was not already loaded.

Logging – Redundant Logging (QCR # 460224)

The Studio logged the activities even when no "external log file" was used and the Activity Monitor window was not opened.

MySQL – IDENTITY (QCR # 506211)

uniPaaS failed to retrieve the newly added value of the IDENTITY field from the Task Suffix when the table had a primary key defined on that field.

Checker – Expression Not Used (QCR # 515523)

The Checker returned the 'Expression not used' message even if the expression was used in the 'Message' property of an Error event handler.

MySQL – Deleting Records (QCR # 520492)

uniPaaS crashed when an Online task called a Batch task that deleted the current record of the Online task when using a MySQL table.

Subform Control – Data Change (QCR # 522615)

The following problems occurred when using a subform in a specific scenario:

1. Cursor parked on the wrong record after pressing down arrow key while being parked on first record in subform.
2. Data in subform got changed.
3. Cursor could not move to next line in Subform control.

Menus – Multiple Processors (QCR # 585279)

An error occurred when using a computer with a multi-core processor in some scenarios.

Center to Parent – Scrollbars (QCR # 608132)

A window set with Startup position as Center To Parent was opened outside the MDI area when the parent window position was close to the MDI border.

Form Position – FormStateClear() (QCR # 613658)

The Left and Top positions of the form were set to zero after executing FormStateClear() on a task with the StartUp position set as 'Center to...'.

MSSQL – Locking (QCR # 707946)

uniPaaS hanged after deleting and adding the same record in a subtask with a Link operation when the operations were done in the same deferred transaction and the locking property of the MSSQL database was set to 'Both'.

MySQL – Get Definition (QCR # 709229)

Get Definition performed on a MySQL table defined with type of bigint(20) returned a wrong picture (N9) and storage type (Signed Integer).

AS/400 – Table Conversion (QCR # 709629)

An AS/400 table with a blank name did not get the application prefix in its name after a conversion from eDeveloper V9 to uniPaaS.

Rich Client – Rights (QCR # 711379)

An exception error occurred when using rights on the pulldown menu in a Rich Client program.

Browser Client – East Asian Characters (QCR # 712759)

Link Query failed when it was done according to East Asian characters that were sent from the browser.

Pervasive – ISAM Transaction (QCR # 715097)

uniPaaS returned an error when a program was called by a Virtual variable in an Init expression while the ISAM Transactions setting was set to Yes.

PDF – Hebrew Version (QCR # 720940)

The order of the lines in a multi-line Edit control was backward when printing to a PDF using the Hebrew const file.

Logical Names – WorkingDir (QCR # 727873)

The WorkingDir logical name did not work correctly if it was used for external files defined in the application properties and the application was defined by the StartApplication setting in the Magic.ini file.

Tools Infrastructure – Multi-Marking (QCR # 727962)

Multi-marking by Ctrl+Click did not work when the program was executed from the Tools menu.

Expansion Window – Startup Position (QCR # 727987)

A form defined as an 'Expansion window' was not opened according to its Startup Position setting.

Property Sheet – Separator (QCR # 728237)

The position of the separator in the property sheet was not saved when leaving the property sheet.

Subform Control – Position (QCR # 729255)

The position of a Subform control was changed after attaching a font with a value greater than 100 to the form of the task running in the subform.

Wide Window – Size (QCR # 730335)

The size of the wide window was different than the one opened in eDeveloper V9.4.

Functions – MnuReset() (QCR # 732615)

The MnuReset() function did not reset the menu when evaluated from a called program of an SDI program when the two programs' forms had a different window type.

Tree Control – Hebrew Version (QCR # 733275)

Running a program with a Tree control did not change the language to Hebrew when using the Hebrew const file.

Lock File – Data Source Name (QCR # 733384)

The mglock.dat file created in the project directory was not deleted when the data source name did not contain a full path.

MSSQL – Time Stamp (QCR # 733427)

Records could not be modified or deleted from a table when a "Time Stamp" field was selected and the Identify modified row was "Position and updated fields" or "Position and Selected fields".

Image Control – Placement (QCR # 733908)

An Image control with placement was not displayed properly when it was placed on a Static control and the program ran as a splitter child.

DB2/400 – Browsing Records (QCR # 735645)

Records disappeared when executing a specific program and browsing through the records of a DB2/400 table using the Page Up and Page Down keys.

Find Reference – Access and Share (QCR # 753294)

The values of the Access and the Share properties were not seen in the Find Reference Results window when the data source was used as the Main source of the program.

ODBC – View Refresh (QCR # 758452)

View Refresh raised with a parameter value of 1 or 2 did not work if the database was ODBC and a Magic SQL Where range was defined.

AS/400 – Index Creation (QCR # 758591)

An index with a blank database index name defined, did not use the table number as a prefix while created on the AS/400.

MSSQL – Date Time Field (QCR # 762754)

A wrong SQL statement was generated when using range on a date time field and the program had a Link Inner/Outer Join.

GetParam() – Httpvars (QCR # 764969)

1. The default values for the REMOTE_HOST and REMOTE_ADDR parameters could not be retrieved with the GetParam() function when the Httpvars parameter in the Mgreg.ini file contained no value.
2. A blank value was returned for GetParam() for the ALL_HTTP parameter if the Httpvars parameter did not contain a space.

Context Menu – Dual Screens (QCR # 769546)

The context menu was not displayed near the mouse pointer when using dual screens and the form was on the secondary screen.

MySQL – Unicode (QCR # 771630)

A Checker error was seen when running the Checker on a table with a Unicode field when using the MySQL gateway.

Rich Client – Controls (QCR # 772449)

The focus was not seen in a Table control when the form had a Tab control with a Subform linked to it.

V9 Converter – ExpCalc (QCR # 772592)

The V9Converter.exe crashed when converting an application that contained the ExpCalc() function.

Debugger – Link Success Indication (QCR # 773024)

The Debugger displayed the wrong variable value when it was used as a link's Success Indication.

Menu – Events (QCR # 773680)

An event raised by a menu entry in which the destination context was specified worked only for the first time when the project was executed.

Merge – Context ID (QCR # 774065)

uniPaaS crashed when a merge program was called from a URL to be executed in an active context.

DB2/400 – Date Time (QCR # 774607)

uniPaaS wrongly asked to translate SQL datetime columns to Date and Time fields when using the APG on a DB2/400 table that contained a field with the DATE data type.

Find Reference – Line Numbers (QCR # 775076)

The result line number of the Find Reference utility was relative to the Logic heading instead of to the entire Logic section.

Form Icon – Expansion Window (QCR # 775139)

A form opened as an Expansion window showed the default program icon instead of the one specified.

Subform Control – Data Change (QCR # 775704)

There was a difference in the data display when using a subform with different table styles.

Hypertext Button – Missing Values (QCR # 775947)

A Hypertext button showed the value of the previous hypertext button when attached to a field that did not have a value.

Column Sort – Range Direction (QCR # 776049)

The triangle sign on the column's title that appears after performing a column sort showed the opposite direction when the Range order of the data source was set to descending.

SDI Task - Menus (QCR # 776085)

The accelerator keys defined in a pulldown menu that was assigned to an SDI program did not work properly.

Components – Loading the Project (QCR # 776204)

The cabinet file was opened even when OpenComponentsUsing was set to 'P', when the project file was specified but not available.

Folders – Entries Movement (QCR # 776233)

The folder assigned to an entry was cleared when moving another entry in some scenarios.

Windows Vista – Form Editor (QCR # 776280)

The Form Editor worked slowly on a Windows Vista operating system when the value of the Grid X and Grid Y properties of the form was less than 1.

Table Control – Column Header Color (QCR # 776356)

The Column color was disabled when setting the table color to "By Table".

Events – Page Header and Page Footer (QCR # 776370)

The Page Header and Page Footer events did not appear in the internal Event list.

Parallel Execution – Context Focus (QCR # 777129)

The SetContextFocus() function did not work in parallel execution when there was a splitter on the form.

Parallel Execution – Timer Event (QCR # 777177)

Timer events defined in a parallel program were constantly executed.

Call Operation – Cabinet File (QCR # 777365)

An error message appeared after calling a program through the Call By Name operation when a variable with a picture larger than 261 was attached to the Cabinet File Name property.

Data View Editor – Entries Movement (QCR # 777753)

An incorrect message appeared when trying to move some lines in the Data View Editor to an illegal location.

Button Control – Text on Image (QCR # 777815)

The text assigned to a Push button with a 'Text on Image' style was displayed with a shadow when the button was disabled.

Control Position – Hebrew Version (QCR # 777929)

The position of a control was changed if an expression was set for its Left property when resizing the form, tabbing into the control, typing in it and tabbing out of it when using the Hebrew const file.

Windows Vista – V9 Converter (QCR # 780050)

The V9Converter.exe crashed when converting a specific export file on the Windows Vista operating system.

Requester – UTF8 to Unicode (QCR # 780093)

The ConvertAlphaFromUTF8ToUnicode option set in the Mgreg.ini file did not work when the Mgreg.ini was read from a location other than the project directory and when the project was located in the engine folder.

Parallel Execution – Context Termination (QCR # 780234)

The CtxKill() function did not terminate the context of a parallel program.

Table Control – Hebrew Version (QCR # 780598)

A table having a 2-D Style property and 'Table In Window' property set to No was distorted when the Window Type property of the form was set to Fit To MDI and used the Hebrew const file.

Rich Client – Combo Box Control (QCR # 780891)

A combo box, whose data was from a data source, appeared empty after refreshing the data view by selecting a value in the combo box that did not exist in the data view range.

Rich Client – Empty DataView (QCR # 780930)

UniPaaS crashed after running a Rich Client program that had an empty table when the Studio keyboard mapping file was attached as the Runtime keyboard mapping file.

Runtime Engine Reload – INI File (QCR # 781392)

The runtime engine was restarted and showed an error message in a loop after the engine crashed when using the /ini= parameter in the command line that was pointing to a Magic.ini file with long names and spaces in it.

Resident Task – Column Sort (QCR # 781505)

uniPaaS crashed when a resident task was called recursively after performing a sort on a column.

Unicode Values – GetParam() Function (QCR # 781598)

Unicode values were not retrieved correctly from an HTML page when using the GetParam() function.

Rich Client – ClientFile2Blb() Function (QCR # 781780)

The memory was not released after invoking the ClientFile2Blb() function.

Logical Names – Empty List (QCR # 781801)

A logical name entry could not be created in the Logical Name repository when no logical name existed in the [MAGIC_LOGICAL_NAMES] section of the Magic.ini file.

Form Editor – Table Control (QCR # 782113)

Repainting the screen was slow when increasing the height of a window with a Windows style Table control that had a large number of columns.

Table Control – Placement (QCR # 782192)

A control got overlapped when reducing the width of another control defined with no Right placement if the Table control's Navigation properties were changed.

Form Icon – Split Window (QCR # 782821)

The form's icon was not displayed when running a program with a splitter.

Subform Control – Display Refresh (QCR # 783423)

The subform task was not displayed correctly when the subform task's initial mode was set to 'As Parent' and a Create Line event was raised in the parent task.

Window Resize – Record Refresh (QCR # 783600)

Records in a called program were not refreshed properly after recalling the program in a Window Resize handler.

PDF Support – Hebrew Version (QCR # 783650)

A specific string was wrongly displayed when outputted to a PDF and using the Hebrew const file.

DB2 – DBSQL Where Clause (QCR # 783954)

An error appeared when executing on a DB2 table with a task that contained a DBSQL Where expression with Date and Time fields.

Subform Control – CurRow() Function (QCR # 784342)

The CurRow() function returned a wrong value when used in a specific scenario that involved nested subforms that were automatically refreshed.

AS/400 – Get Definition (QCR # 784637)

The dependent files (Logical files) were not retrieved properly after performing a Get Definition using the ISAM gateway when the record format was of a different name.

Subform Control – Row Locate (QCR # 785198)

The cursor parked on the wrong record after re-entering a Subform control in some scenarios.

Record Display – Preload View (QCR # 785465)

A record appeared twice in the table after executing a task set with "Preload View = Yes", when clicking on the last record and pressing the Up arrow key twice.

Focus – Window Type (QCR # 785497)

The focus did not return to the caller task when calling a subtask that outputted a form, and the caller task had a window type set to Floating.

Browser Client – Background Engine (QCR # 788050)

uniPaaS crashed when using a background engine with a specific configuration of the operating system.

MySQL – Link Operation (QCR # 797383)

A Link operation only set with a Locate From value worked slowly when using MySQL.

XML – Schema Load (QCR # 799038)

uniPaaS hanged while loading a specific XSD file.

DB2 – '00/00/00'Date Range (QCR # 801007)

uniPaaS crashed after executing a program that had a range expression of '00/00/00'DATE on a field defined with a data type of String Date on a DB2 table.

Ditto Event – Line Mode Task (QCR # 801799)

The Ditto event (Ctrl + D) did not work after it was raised more than three times in a Line mode task.

Subform Control – Duplicate Records (QCR # 802546)

Duplicate records were seen after invoking the 'Subform Refresh' internal event in the subtask and pressing tab from the last record.

Tab Control – Nesting (QCR # 802775)

The cursor did not move to the clicked control when using a nested Tab control defined with a Windows 3-D style.

Combo Box Control – Values (QCR # 803025)

Combo box values on the first row in a table were not displayed in a specific scenario.

Event List – Cut Event (QCR # 804302)

The Cut event was not displayed in the 'Editing' events group.

MySQL – Blob (QCR # 805648)

A 'Record has been lost' error message was shown in some scenarios when using Blobs in the MySQL database.

Subform Control – Record Update (QCR # 806229)

The first record displayed in a table in a nested subform was updated if the mouse was used to click on the last record and the Tab key was pressed after updating the last record.

Windows Vista – Mouse Scroll (QCR # 808591)

Mouse scroll did not work properly when using Microsoft IntelliPoint Explorer 4.0 on Windows Vista.

Print Preview – Window Size (QCR # 911145)

The Print Preview window displayed in a small size when the print job was invoked from a batch program that was called from a parallel program that had a default form with the Window Type property set to SDI.

Records Display – Screen Mode (QCR # 912515)

Newly added records were not displayed in Online tasks with an Initial mode of Create and in Screen mode, when adding the new records and pressing the Page Up and Page Down keys.

Rich Client – Form Units (QCR # 912922)

The Width, Height, Minimum Width, and Minimum Height form properties were not calculated correctly when converting an Online program with Centimeter form units to a Rich Client program.

Rich Client – Polish Support (QCR # 913765)

Polish characters were not written in a Rich Client task when using the Alt + Character key combination and capital letters were not written when using the Right-side Alt + Shift + Character key combination.

Find & Replace – Flickering Screen (QCR # 913917)

The screen flickered during the Find & Replace operation.

Subform Control – Record Refresh (QCR # 914279)

A Subform control in a nested Tab control was not refreshed if navigated through the tabs of a container Tab control.

Rich Client – Confirm Cancel (QCR # 914785)

The confirmation dialog box was opened when Confirm Cancel was set and performing cancel, even when the view was not modified.

Table Control – Field Links (QCR # 914947)

Fields were unlinked from a table when aligning or resizing fields in a table set to scroll horizontally.

Rich Client – Execution from Network Drive (QCR # 915233)

Rich Client programs were not executed using F7 when the Studio was started from a network drive.

Print Data – Template File (QCR # 916290)

The Print Data Template did not appear on the first execution of the Print Data utility.

Activity Monitor – MTblSet() Function (QCR # 919261)

The Activity Monitor showed "Duplicate Index error " for an MTblSet function with the mode value set to 1.

Unicode – Call Operation (QCR # 923940)

An Alpha field updated with a Unicode value by using a reference parameter in the called program was partially updated.

DataView...() Functions – Print Var Names (QCR # 926042)

uniPaaS crashed after executing the DataView... functions when the 'Print var names' argument contained 1024 or more characters.

Table Control – Row Divider (QCR # 927580)

The tables' row divider was displayed while scrolling between the records using the mouse in some scenarios.

SDI Window – Flickering Icons (QCR # 927955)

The desktop icons flickered when using SDI forms on a non-maximized uniPaaS screen.

Subform Control – Parkable (QCR # 928930)

uniPaaS hanged when clicking on a Subform control whose 'Allow parking' or 'Tab into' property were set to No and the task had additional Subform controls.

Vectors – First Cell Update (QCR # 929609)

The first vector cell was updated with a wrong value in a specific scenario.

Browser Client – Invalid Range (QCR # 930101)

A Browser Client task defined with Allow Create property set to No did not show the "No record in defined range" message when ranging on an invalid range.

Table Control – Windows 3-D Style (QCR # 930563)

A thin color line was shown between the column title and the first record on a Windows 3-D style table when calling another program and closing it.

Events – Clear Template and Clear Value (QCR # 930637)

The Clear Template and Clear Value events did not appear in the internal Event list.

Components – Menu Event (QCR # 932353)

uniPaaS crashed in a specific scenario when a component program was called in a user event and the event was attached to the pulldown menu.

Confirm Cancel – Quit Event (QCR # 934097)

The 'Confirm cancel operation' dialog box was opened twice when raising a Quit event in a program in which 'Confirm Cancel' was set to Yes and the event was raised by a button.

Print Preview – Column Divider (QCR # 934402)

Print preview showed a double column divider for a 2D table even though the SpecialTable2dPrint special flag was set to Yes.

Tab Control – Parking Indication (QCR # 935090)

The tabs in a 2-D and 3-D Raised Tab control were always seen as currently parked on, even if the tab was disabled.

Deferred Transaction – ErrPosition() Function (QCR # 935484)

The ErrPosition() function did not return the correct value when used in a Batch task defined with a Transaction mode of Deferred and Transaction begin of Before task prefix.

Control Verification – Force Record Suffix (QCR # 935588)

The Control Verification logic unit of the parked control was not executed when pressing Esc to close the program and 'Force record suffix' was set to Yes.

Broker – CtxNum() Function (QCR # 937271)

The CtxNum() function returned 0 instead of 1 when activated with the Enterprise Server property set to No.

GUI Output – Color Expression (QCR # 937527)

A color attached as an expression to a GUI Output form was not displayed at runtime.

Rich Client – Navigator (QCR # 937586)

The data view was corrupted after overwriting a task subtree with another Rich Client subtask.

Tooltip – Window Height (QCR # 937680)

The tooltip was not shown for controls when the window height was reduced.

Version Control – Perforce Software Tool (QCR # 937999)

An error appeared when trying to create a project in a Version Control database using the "Perforce -P4SCC Version 2007.3 -Version control" tool.

Tab Order – Windows DPI (QCR # 938382)

The Tab order was repeated for more than one control when the DPI setting of Windows was 120.

AS/400 – Translation Table (QCR # 939500)

The default AS/400 translate table was used instead of the correct one when the path of the Language parameter contained a space.

Subform Control – Record Update (QCR # 939678)

The last record of the third level subform was updated with the value of the first record after pressing the Up Arrow key while parked on the last record of a nested subform when clicking on the subform using the mouse.

GUI Output – Expand Form (QCR # 939725)

A field in a GUI Output form was not printed when the form was set with Expand form = Multi Page and one of the field's navigation properties was set.

INI File – uniPaaS Shortcut (QCR # 939965)

uniPaaS failed to load when the shortcut to it contained `/ini=...` surrounded with quotes.

Subform Control – Record Display (QCR # 940063)

Tabbing into a subform in Create mode did not clear the previously displayed record in the subform's table in a specific scenario.

XML – Decimal Separator (QCR # 940631)

XML values were not seen correctly when the decimal separator defined in the regional setting was set to comma (,).

Incremental Locate – Hebrew Version (QCR # 940902)

Incremental Locate did not work in the Variable list window when using the Hebrew const file.

Drag & Drop – Control Verification (QCR # 941378)

uniPaaS crashed after clicking on a field with 'Allow drag =Y' when the click was caught by a Control Verification logic unit raising an event that was caught in the Main program and issued a 'Verify Error'.

Tools Infrastructure – Overwrite Target (QCR # 941477)

Importing programs using the Overwrite Target option in the Tools infrastructure caused the loss of reference in one program.

Import Log – Spelling Mistake (QCR # 942579)

The import log file showed the word "loose" instead of "lose".

MySQL – Integer Index Segment (QCR # 968838)

uniPaaS crashed when a view refresh was done on a MySQL data source using an index with an integer segment.

Rich Client – Record Levels (QCR # 969049)

A Rich Client program that called a Batch program for the second time did not correctly return the level of records.

Windows 2003 & Vista – DEP (QCR # 969708)

uniPaaS did not open if DEP (Data Execution Prevention) for all programs was enabled on Windows 2003 R2 SP2 and Windows Vista.

Keep User State – Visible Columns (QCR # 970423)

The column was displayed with a wrong width when it was hidden while exiting the task and using the Keep User State.

Tab Control – Splitter Child (QCR # 970484)

It was not possible to navigate through tabs of a Windows 3-D Tab control placed on a splitter child form if the Tab control contained a static control placed on another static control and these three controls were linked to each other and had the Right and Bottom Placement property set along with the form.

Check Box Control – Park Indication (QCR # 973439)

The focus rectangle (dotted line) that is displayed around a Check Box control while parked on it remained even after the focus was shifted to another control using the mouse when a transparent color was attached to the Check Box control that had a style of 2D or 3D Sunken.

View Refresh – Field Update (QCR # 979708)

uniPaaS crashed when a Virtual variable was updated and then the View Refresh event was fired in a specific scenario.

PDF – Hebrew Version (QCR # 980618)

Strings were not printed correctly in a PDF when printing English and numeric characters in a field defined with 'H' in its Picture and using the Hebrew const file.

External Files – Write Permission (QCR # 981357)

Changes were not saved to the Font and Color files that were located in a different folder than the engine when the engine folder did not have Write permission.

Browser Client – Batch Requests (QCR # 983092)

The uniPaaS engine crashed when running batch requests from multiple clients for some time in some scenarios.

Menus – Menu Image (QCR # 984128)

It was not possible to attach an image (Tool number) to a Menu entry type in the menus.

CVS Version Control – Modules (QCR # 985153)

The password prompt screen appeared when switching between a project and one of its modules that also existed in the version control, even though the password was already entered.

Rich Client – Init (QCR # 985406)

The Init expression for a Date column did not work from the second record onwards when the Rich Client task had a parameter or a link defined.

Sort Window – Record Limit (QCR # 985482)

The Sort window showed an incomplete number when the number of records was greater than 6 digits.

Special Characters – Polish Support (QCR # 986355)

Some capital Polish characters were not written when using the Shift key.

AIU – Get Database Information (QCR # 986861)

An incorrect database entry was added to the Magic.ini file when using the [GetDatabaseInformation#] section in the Application Installation utility.

DB2/400 – CndRange() function (QCR # 987361)

An error message appeared when the CndRange() evaluation on a Date field from a DateTime field in DB2/400 was "False".

Choice Controls – Control Prefix (QCR # 987530)

The Control Prefix logic unit for choice controls was not fired after clicking on a subform and then on a choice control that was the first parkable control on the main task form.

Rich Client – Subform Control (QCR # 987761)

An error was displayed when clicking on a variable from a parent task while parked on a control from the subform task in some scenarios.

Rich Client – Data View Refresh (QCR # 987853)

uniPaaS crashed when refreshing the data view after ranging on a non-existing value that was selected from a combo box or a list box.

Browser Client – PAC Files (QCR # 987975)

Multiple proxies defined in a PAC file in the Browser Client did not always work when the BrowserClientRecoveryTime was set to zero.

Unsigned Integer – Negative Sign (QCR # 988432)

A Numeric field stored as 'Unsigned Integer' with the Storage size set to 2 was displayed in a control with the format 'N5' and the negative sign even though the number was positive.

Windows Vista – Check Box Control (QCR # 988459)

Focus rectangles (dotted lines) showing the focus were shown ahead of the Check Box control when parked on a Check Box control without text on the Windows Vista operating system.

Interface Builder – Components (QCR # 989469)

uniPaaS crashed after invoking the Interface builder when a component was loaded and the 'Open Component using' environment setting was set as 'Project'.

Output Merge – Special Characters (QCR # 990004)

Some special characters were not sent to the called program when using the POST method.

Parallel Program – Table Control (QCR # 990093)

uniPaaS crashed when right clicking on the scroll bar of a Table control in a parallel program.

CSV Files – Hebrew Version (QCR # 990183)

uniPaaS returned different results compared to eDeveloper V9 when running the same export program that creates a CSV file when using the Hebrew const file.

Subform Control – Duplicate Records (QCR # 991581)

The last record of a table in the parent task was duplicated when creating a new entry in a Table control and then the subform was made invisible and the Cancel event was raised in the parent task.

Tree Control – Verify Error (QCR # 991848)

An error returned from a Tree control that was calling to some programs by clicking on the tree nodes when one of the called programs encountered a "Verify Error" and the tree program was called from a Batch program.

Subform Control – Tab Into (QCR # 992141)

The records in a parent task were changed when the form had a Subform control defined with 'Tab Into' set to 'No' and the scrolling through the records in the Subform control was done using the scrollbar while the focus was on the parent task.

Context Menu – Form Resize (QCR # 992916)

The system default context menu was shown after resizing the form and opening it from a previously unseen record in a table of a child task.

V9 Converter – Models (QCR # 993025)

The V9 Converter utility hanged when converting a specific application in which the source table was attached to a model, the model was used in a program, and the program was exported with models.

Check Box Control – Background Color (QCR # 993498)

The background color of a Check Box control with a 3-D Raised Style was ignored.

Oracle – Stored Procedure (QCR # 993632)

Alpha strings sent to Oracle procedures as parameters were trimmed.

Checker – Illegal Update (QCR # 994218)

The "Expression not used" checker message appeared for expressions that were used in an Update operation without a variable.

DB2/400 – Log File (QCR # 995107)

Statements defined in the Direct SQL task running on a DB2/400 table were not written to the log file.

Internal Events – Keyboard Mapping File (QCR # 995487)

Some of the internal events were missing from the internal Events list when using the act_std_v9.eng file.

Subform Control – Duplicate Records (QCR # 996063)

Duplicate records appeared when the range value was changed in a subform task, the Down Arrow key was pressed on the last record, and the subform task ended as a result of entering Create mode, which was not allowed in the task.

Form Editor –Controls (QCR # 996383)

The navigation and movement of a large number of controls in the Form Editor was slow.

Merge – External Event (QCR # 997313)

The MGExternalEvent raised on a control other than button in a Merge program called in an IFrame was not captured.

DB2 – SQL Where Clause (QCR # 997327)

Brackets not added to a statement in a DB SQL Where Clause of the Range/Locate dialog box resulted in incorrect results.

Date Field – Null Value (QCR # 997354)

The KbPut(DStr(Date(),'YYYYMMDD')) expression returned an appended incorrect date to a field if the field was defined with Allow Null set to Yes and the field was first updated with the NULL() function.

AS/400 – Share (QCR # 997790)

An error occurred during Batch task execution processing an AS/400 table when the task contained a Link Create with the Share property set to None.

AS/400 – Sort Database (QCR # 997954)

An error occurred when using an AS/400 ISAM database as a Sort/Temporary database.

Rich Client – Subform Control (QCR # 998067)

The wrong argument was sent to a Subform control when a Rich Client program had a Virtual and a Real variable in a table and both were sent to the subform.

Column Sort – Non-Unique Fields (QCR # 999788)

An error occurred after sorting on a non-unique field of a linked data source or virtuals when the temporary database was set to either Memory or Btrieve.

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