



uniPaaS V1.9c

Release Notes

We are proud to introduce **uniPaaS V1.9c**. uniPaaS V1.9c is an improved and updated version of the uniPaaS V1.9 release. Read the information in this document to find out more about this latest uniPaaS version.

For more information about previous uniPaaS releases, see the [PastReleaseNotes.pdf](#) file provided with this installation.

General Information

Introducing Magic Software's uniPaaS V1.9c

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

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.

Further Enhancing the Platform

uniPaaS V1.9c introduces many new features and fixes. 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.

Improving Client/Server to RIA Conversion

Some of the new features in this release are intended to significantly reduce the effort required to turn your existing client/server applications into RIA.

Continued Platform Support and Compatibility

uniPaaS was tested and is confirmed to be compatible with Windows 7 32-bit and Windows Server 2008 64-bit operating systems.

For more information about the various platforms on which uniPaaS V1.9c has been checked for operation by Magic Software Enterprises, refer to the **Compatibility Guide.pdf** file provided with this installation.

.NET Integration

As of uniPaaS V1.8, you can enhance your offering by easily embedding and integrating any .NET control or assembly.

You can upgrade the look and feel of your Rich Internet Application by directly placing new .NET controls into your RIA user interface. You can also enhance the functionality of your RIA by integrating any .NET assembly.

To use the .NET functionality, you need to have .NET framework V2.0 SP1 (or above) installed on your machine. You can install it by running the NetFx20SP1_x86.exe file in the Scripts\RIA folder.

For more information on how to add and manipulate .NET modules, see the sample available at: <http://kb.magicsoftware.com/article.aspx?article=1959&p=5>.

Mobile Device Support

Expand your IT offering by supporting mobile devices alongside stationary desktops. With the same high productivity of development and by keeping your own expertise in developing uniPaaS applications you can now easily produce highly interactive mobile applications and quickly expand your internal systems to serve the mobile workforce.

uniPaaS Web Page

Make sure to visit our [uniPaaS Web page](#), where you can view and download various documents.

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.

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.

Bundled Products

uniPaaS comes with the following bundled products:

- Limited version of DB2 Express – limited to 3 months
- Version Control Client – Jalindi Igloo
- 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.

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.

Downloadable Databases

You can connect your uniPaaS 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 database gateway is included as part of the uniPaaS installation.

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

Rich Internet Application on Apache Web Server

To run a RIA 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
```

Web and RIA Development on Windows® 7

By default, IIS 7.5 is not installed on Windows® 7.

To run Web programs or Rich Client programs using a local IIS Web server, you may need to install it manually. You can install IIS by going to **Control Panel > Programs > Advanced Options > Windows Features**.

For more information, refer to the following URLs:

<http://technet.microsoft.com/en-us/library/cc731911.aspx>

<http://technet.microsoft.com/en-us/library/cc725762.aspx>

New Features, Feature Enhancements and Behavior Changes

Version Control Comments Screens

Two new special settings were added to allow controlling whether the uniPaaS internal Version Control comments screens appear.

Use `SpecialShowCheckOutScreen=N` or `SpecialShowCheckInScreen=N` if you want to hide these screens.

Note that some Version Control providers require comments and do not supply their own screens. In these cases, you should not use these settings.

RqHttpStatusCode – New Function

A new function named `RqHttpStatusCode` was added to control the HTTP return status.

This function allows you to specify status codes, such as 301 "Moved Permanently", in order to tell the browser client that the page has moved.

Context Inactivity Timeout – Change in Default Value

The default value for the `ContextInactivityTimeout` keyword was changed and is now set to 24 hours (instead of one hour).

Rich Client – Passing Cookies via HTTP Requests

It is now possible to pass cookies from the client via the HTTP request.

You can define the required cookies in the published html file.

Note that the published html file was changed from previous versions.

For more information, refer to the uniPaaS Reference Guide.

Fixed Problems

Rich Client – RTL Text (QCR # 264126)

RTL text appeared reversed when developing using the English const and deploying using the Hebrew const.

PDF Printing – Font Orientation (QCR # 306492)

Text was not displayed in the printed PDF file when using fonts with Orientation = 90 in the Hebrew version.

Rich Client – Logon (QCR # 509249)

An error was shown and it was impossible to run the project after performing a wrong Logon attempt.

DB2/400 – CndRange (QCR # 593314)

The Where clause did not work properly on DB2/400 when the program had a range defined with a CndRange() expression that evaluated to False.

Oracle – Decimal Separator (QCR # 712465)

A DB error was fired after running a task that copied data between two Oracle tables in a specific scenario involving two parallel RIA sessions and when the 'Decimal symbol' defined in the Control Panel\Regional Options and in the magic.ini file were set to comma (,).

Components – Exit to Host (QCR # 722360)

uniPaaS crashed when exiting a component program called from the host application menu in a specific scenario involving logic defined in the Main Program of the component.

DB2/400 – Performance (QCR # 724956)

Performance was decreased compared to eDeveloper V9 when executing a DSQL task having more than 9000 records in a DB2/400 table.

Application Installation – Additional Installation (QCR # 725927)

It was not possible to install uniPaaS 1.9 using the AIU when uniPaaS 1.8 was previously installed on the same computer using AIU.

DB2/400 – Direct SQL (QCR # 727454)

uniPaaS crashed with a memory error after running a direct SQL command to create a DB2/400 table when using Citrix.

Rich Client – .NET (QCR # 729580)

The Drop event of a .NET button was not raised after dropping text on the control.

Functions – GetParam (QCR # 732142)

uniPaaS crashed when executing a merge program that had a GetParam() function defined in a merge tag.

Push Button – Horizontal Alignment (QCR # 777075)

The caption of Push Button controls was displayed in the wrong horizontal alignment in the Hebrew version when an expression was set for the caption.

Rich Client – Previous Record Event (QCR # 778385)

The Previous Record event was not executed as expected when focus was inside the subform and the program had some range defined.

Studio – Load (QCR # 783599)

uniPaaS got stuck occasionally when the Studio was started with a 'default project' and user name.

I/O Devices – UTF 8 (QCR # 784246)

Text was not read properly from an I/O device when using UTF 8 encoding.

Task Editor – Properties (QCR # 804215)

Changes made to the properties of a column in a subtask were not saved when entering the task for the second time and onwards.

PDF Print – Expand Form (QCR # 914247)

uniPaaS crashed after trying to print to a PDF when the Expand Form property of the form was set to One page and the engine was started in Background mode.

Invoke OS – Colors (QCR # 916235)

The colors of the toolbar and a Rectangle control defined behind a Tab control got corrupted after invoking an OS command 4-5 times.

Version Control – Check-Out (QCR # 930238)

uniPaaS crashed when performing a check-out of some repositories while parking on any folder other than the first.

Web Service Lite – Headers (QCR # 932975)

SOAP headers sent using the Invoke Web Service Lite operation were wrapped by the XML opening tag and two closing tags.

Subforms – Close Button (QCR # 934006)

The task was not closed and the caret moved to the next parkable control in another subform after clicking the parent task's Close button when the program had more than one subform.

Rich Client – Border (QCR # 934267)

The subtask's form border was still shown even after setting the Border style to No.

Printing – Print Preview (QCR # 935234)

The Print Preview window was not opened as a separate window.

Studio – Export/Import (QCR # 936045)

uniPaaS crashed when trying to zoom into the programs after performing an export and import of specific programs.

MSSQL – Range (QCR # 939028)

uniPaaS crashed after running a program that browsed an MSSQL table having a numeric field defined with a name length of more than 16 characters and a date field that was a part of a DateTime field and both the numeric and date fields had a Range To specified.

MSSQL – Link Inner Join (QCR # 939956)

uniPaaS crashed after running a Batch task with several Link Inner Join operations to MSSQL tables when there was a large amount of data.

Printing – Paper Size (QCR # 940567)

The Print dialog box carried over the Paper size from the previous print.

MySQL – Column Name (QCR # 980731)

uniPaaS crashed after browsing a MySQL table with a column name containing the percentage (%) sign.

Sort – Subforms (QCR # 981715)

uniPaaS crashed when performing a column sort in a subform task when the caret was parked in another subform.

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