

Magic xpa 3.0 Release Notes



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General Information

Introducing Magic xpa 3.0

We are delighted to provide you with the new major release of Magic Software's Magic xpa Application Platform.

Magic xpa 3.0 enables software vendors and enterprises to quickly and cost effectively develop and deploy complex multi-channel business applications and enjoy all the benefits of .NET applications, Rich Internet Applications (RIA) and Mobile applications whether on-premise or on-demand.

Migrating from Magic xpa 2.5 to Magic xpa 3.0

Magic xpa 3.0 works with the same source files as Magic xpa 2.5. No migration is required.

Rich Client – Client-Server Compatibility

The internal communication protocol between the Client module and the Server was changed. Therefore, Magic xpa 2.x clients (such as 2.5) cannot be used with a Magic xpa 3.0 server, and Magic xpa 3.0 clients cannot be used with Magic xpa 2.5 servers.

Licensing

To use Magic xpa 3.0, you need to obtain version 3 licenses. To obtain Magic xpa licenses, please contact your local Magic Software representative.

New Features, Feature Enhancements and Behavior Changes

New and Improved Form Designer

The new Visual Studio-based Form Designer offers an intuitive and user-friendly experience that makes designing Display forms even easier. The new Form Designer offers a variety of enhancements, including:

- Modern workspace with improved docking capabilities.
- New Toolbox and Variable panes that replace the Control and Variable palettes.
- New Models pane to allow fast and simple dropping of pre-defined controls onto the form.
- Improved Document Outline view that allows you to easily locate controls and move them into container controls.
- Filtering capability of properties.
- Improved Table control with visual indication for dropping controls over it and automatic attachment of controls to the proper columns.
- .NET controls that are visible on the Form Designer and a visible .NET control icon in the Models pane.
- Control alignment lines (when the Show Grid property is set to False).

Change of behavior:

- All of the multiple-control related actions (such as alignment and make same size) are done now according to the first selected control instead of according to the outer control.
- The Maximum Width, Maximum Height, Minimum Width, and Minimum Height control commands are no longer supported. Instead, you should use the Make Same Size command and select the outer control as the first control.
- Selection of a value in a Combo Box and Radio Button control is now done via the action arrow of the control.
- When placing a control in a container control, the control is automatically attached to the container.
- Resizing the table header height will also move the controls in the table line.
- The default value of the Show Grid property was set to False in order to take advantage of the new alignment capabilities of the Form Designer.
- A Radio Button control with the appearance set to Button will show buttons according to the number of items defined and not according to the Choice Column property value.
- The Automatic Tab Order and Automatic Z-Order properties are now properties of the form (and not the palette).



- The Form Designer shows the form of the current task only. This means that for child windows, the parent form will not be shown behind the current form.
- In the Form Designer, the Edit control will not appear with a transparent background color, even if a transparent color was assigned to it.
- A Table control cannot be placed on a Tab control using the mouse. If you want to have a Table control on a Tab control, place the Table control on the form and move it onto the Tab control using the arrow keys.
- The Quick Expression Editor is currently not supported in the property grid of the new Form Designer.
- Support for display templates was removed.
- RTF-related properties were removed from the Label control and Label-related properties were removed from the RTF control. To achieve the same functionality as Enable RTF=Yes, you should define an RTF control.

Note: The Visual Studio-based Form Designer is used to design Display forms only. Other forms are currently designed in the legacy designer.

Mobile Form Preview

Magic xpa 3 introduces the Mobile Form Preview to make developing for mobile platforms even easier. This new feature lets you play around with the placement and size of the controls and see how the controls will appear on various mobile devices as you create them.

Refer to the Mobile Devices Settings topic in the *Magic xpa Help* for additional information on how to define your own devices.

New and Improved Expression Editor

The new Expression Editor offers a smoother experience including:

- Improved Auto Complete of functions
- On the fly coloring of the expression
- Improved error indications
- Embedded pick lists in the right pane
- Expression filtering capability

Change of behavior:

- Adding an expression above a line of the Expression Editor is now done by pressing Ctrl+Shift+F4. Therefore, to add an expression as the first expression, park on the first line and use this shortcut.
- The filtering capability replaces the Locate dialog box. To search for an entry, simply type any part of its name and all of the relevant entries will be shown.
- Overwriting an entry is available using Ctrl+Shift+W instead of Ctrl+Shift+O.

- When the Expression Editor is opened, it is not possible to go directly to other task dialog boxes such as the Sort dialog box. You need to first close the Expression Editor to reach other task dialog boxes.

Selection Lists Enhancements

Selection lists that are opened from the new Form Designer were enhanced as follows:

- Filtering capability – The filtering capability replaces the incremental locate and the Locate dialog box. To search for an entry, simply type any part of its name and all of the relevant entries will be shown. Note that you can start typing even if the focus is not on the filtering field.
- The description area can now be resized.
- The tasks in the Variable list and the folders in other lists can be collapsed and expanded.

Mobile Design Mode

You can now switch to a Mobile Design mode, which takes into account certain constraints necessary for developing a mobile application. For example:

- The default form size will be small, which is the required size for mobile phones.
- Controls placed on the form will receive default values adapted for mobile for some of the properties, such as the control height and placement.
- When dragging variables to the form with the Shift key pressed, the variable name will be added as the value of the Hint property.
- When dragging a Tab control on the form, it will occupy the entire form size.

In-Memory Data Grid Messaging Middleware

Magic xpa 3.0 offers an additional enhanced and robust messaging layer. The award winning XAP middleware from GigaSpaces is now supported as a messaging layer, which uses a distributed, self-healing and scalable architecture. This directly enhances Magic xpa 3.0 projects. Existing projects upgraded to this version can be easily scaled to multiple processes and even to multiple machines (scale out) just by changing external configurations.

Note: The Magic Request Broker middleware is still supported as in the previous versions.

To use the In-Memory Data Grid middleware, you need to obtain a specific license. To obtain this license, please contact your local Magic Software representative.

Refer to the Deploying Applications on GigaSpaces concept paper in the *Magic xpa Help* or the **Support** folder for additional information.

In-Memory Data Grid Data Access

Magic xpa 3.0 provides a new GigaSpaces database gateway for storing and accessing data in the space. This gateway is similar to the other Magic xpa database gateways and enables complete access to information stored in the space.

The GigaSpaces database provides the opportunity to work with asynchronous persistency in what's referred to as Write Behind mode in Hibernate, which provides the ability to handle extremely large transaction workloads. The data is uploaded to the space from a backend database. When this data is changed in the space via a Magic xpa application, Hibernate then does the work of updating the database server. The gateway allows access to the data that is connected to the application, while significantly improving performance and ensuring that data is not lost. A new Hibernate Data Source Builder was added to generate objects in the space from Magic xpa data sources.

To benefit fully from these new functionalities, see the **Deploying Applications on GigaSpaces** concept paper in the *Magic xpa Help* or the **Support** folder for additional information.

To use the In-Memory Data Grid data access, you need to obtain a specific license. To obtain this license, please contact your local Magic Software representative.

Online and Rich Client – Focused Control Color

You can now define the color that will be used on a control when the control gets focus. This is done via a new property, Focus Color, which was added to the Edit control on Online and Rich Client forms.

This functionality is not supported for mobile devices.

Online Select Program – Change of Behavior

An Online program that is opened using the Select Program property is opened according to its defined Window Type (as it was in version 1.9) and not as a Modal window (which was the behavior in version 2).

Checker – New Warning Message

A new warning message was added for tasks defined with a physical transaction but without a data source. You can disable this message in the Checker Messages settings screen.

Rich Client – Non-Modal Window – Change of Behavior

A non-modal window opened from a non-interactive task will now keep its window type and will not be changed to a modal window. The non-interactive task will still wait for the called program to end.

This behavior is supported only when the following conditions are met:

1. The **Close Rich Client tasks on parent activation** environment setting must be set to **Yes**.
2. The non-interactive task did not open a window.
3. The non-interactive task was not called from a task with a Modal window type.

Removed Functionality

The following functionality was removed:

- Calling a Magic application as a COM object.
- J2EE support and the EJB interface builder.
- SNMP support and the `SNMPNotify()` function.
- Client Network Recovery Interval for RIA.
- The deprecated internal events, such as the Settings events were removed from the Internal Events selection list.

English Only Studio

As part of using the Visual Studio infrastructure, the Magic xpa Studio is no longer translated to different languages. It is now available in English only.

Note: The const file is still required for proper runtime execution.

Runtime Error Messages – Translations and Customizations

The error messages shown to the end user at runtime are now translated as part of the multilingual support. These messages are stored under the **Support** folder in files named `msg_rnt.xxx` (where xxx is the language).

This allows you to customize the error messages by rebuilding the translation files using the `MLS_BLD.exe` utility.

Backward compatibility:

1. If you use your own ini file and you want to see the translated runtime messages, you need to define a language in the environment settings that point to the required mls file.
2. If your application already uses a translation file, you can add the strings from the `msg_rnt.xxx` file to your translation file.

64-Bit Removed from Installation

The 64-bit requesters are no longer supported and were removed from the installation. The Web requester is installed on IIS using application pools, so the 32-bit requester can be used together with other 64-bit IIS elements.

IIS 6 End of Support

IIS 6 is no longer supported. Magic xpa is compatible with IIS 7 and above.

Encrypted Local and SQLite Database Support

Encryption is now supported for Local databases on Android and iOS devices and for SQLite databases.

The encryption password is defined in the database properties.

It is not possible to migrate an existing non-encrypted Local or SQLite database to an encrypted database. If you have an existing application with a Local or SQLite database and you want to use encryption, you need to run a one-time process by defining a different database with encryption and synchronizing your data to this database.

Note: Encryption is not supported for Local databases on the Windows desktop client.

Large Numeric Columns in SQLite and Local Databases – Change of Behavior

Since the Local and SQLite databases now support encryption, large Numeric columns no longer support the following settings:

- Stored As=Packed Decimal
- Stored As=String Number and SQL Type=Binary

Therefore, it is not possible to open SQL data sources from previous versions if they have these settings or if the Stored As=String Number and SQL Type has no value

(since the default SQL Type value was BINARY). Data from such data sources should be converted using a prior version of Magic xpa.

The SQL data source defaults of a Numeric column with a Size of 18 or above were changed accordingly and they now match the Local data source defaults.

Therefore, if you need to copy an SQLite data source with large numbers from the server to the client, you no longer need to change the Stored As property or define the BINARY value in the SQL Type property of String Number columns in the Local database.

Android and iOS Functionality

- The Border Width, Border Color and Corner Radius mobile properties were removed from the Image, Check Box and Radio controls and were disabled for the Image button. To display an image in a border, place the image in a Group control or draw the border in the image.
- The default value of the Corner Radius mobile property of the Table and Subform controls was changed to 0.
- The Corner Radius property is now set to 0 when placing controls on a table. This was done to improve the runtime performance.
- A pixel is no longer added to the border width when a control (with a non-system color) is in focus. If you want to replicate the previous behavior, you should set the Border Focus Width property manually.
- The option to capture movies when opening the camera using the ClientFileOpenDlg function was removed.
- It is now possible to define the header color of the Table control by setting a value in the new Title Color property.
- It is now possible to define the color of the Tab control titles by setting a value in the Tab control's Color property.
- New samples were added for printing an HTML string to the printer, using offline digital signatures and interacting with the device calendar.

Android Specific Functionality

- The Android client now supports printing PDFs using the Google Cloud Print protocol.
- Material design support – Native controls will now be displayed using the Android 5.0 material design. As part of this change:
 - The application icon is no longer shown in the title bar of the forms.
 - The title bar color is now a flat gray, without a shadow effect.
 - The Label control color is now light gray.
 - The Edit control appears as a flat line.
 - Buttons appear flat and no longer have a transparent effect.
 - The Combo Box appearance was changed to a small triangle.

- Improved Tab control – The Tab control was changed (in all Android versions) and it will now look like an Android 5 native tab. As part of this change:
 - The tabs will no longer be added to the title bar when executed on tablets.
 - A tab with a system color will be shown in the same color as the form's title bar color.
 - The selected tab indicator will be colored with the same color as the text.
 - Unselected tabs will have a non-selection effect.
- Native color customization – By changing the application theme you can change the native color of the following objects:
 - Underline color for an Edit control that has focus
 - Check Box color
 - Combo Box rectangle color
 - Navigation drawer indication icon color
 Refer to the **Native color customization** section of the **Display for Mobile Devices** topic in the *Magic xpa Help* for additional information.
- Android 2.3.x and 3.x are no longer supported. Magic xpa is compatible with Android 4.0.3 and above.
- The Android client now requires compilation using Android SDK 21 or above. This requirement is only for compilation.
- On Android devices, a Local database is limited to 1 MB per record.
- Defining a context menu per control is no longer supported.

iOS Specific Functionality

- The iPad mini resolution was fixed and now controls on the iPad mini will have the same size as other iOS platforms.
- The iOS client now supports a more native look for controls defined with a system color. If you need your controls to appear non-native, you should define them with a non-system color. As part of this change:
 - The Edit and Combo Box controls will not have a border (as in Android).
 - The default background color of the Table control is White.
- Some of the splash screen images were removed and some new images were added to properly support iPhone 6 and iPhone 6+ devices.
- A new sample for using the Touch ID capabilities was added.

Windows Mobile

The Windows Mobile client is no longer supported.

Additional Documentation

Two new documents describing the steps required to deploy a Rich Client application were added:

1. **Deploying Rich Client Applications.pdf** – This document contains the basic guidelines and instructions for preparing applications for deployment and configuring the deployment environment. In this document, the messaging middleware is the Magic Request Broker.
2. **Deploying Applications on GigaSpaces.pdf** – This document contains information about the GigaSpaces configuration required for deployment of RIA applications.

These documents can be found in the **Support** folder or in the **Concept Paper** section of the *Magic xpa Help* and can be accessed via a link from the **Start** menu.

Courses

The following three courses have been revised and upgraded for Magic xpa 3.0:

- Getting Started with Magic xpa 3.x and Mobile
- Going Mobile with Magic xpa 3.x
- Migration from uniPaaS V1.x to Magic xpa 3.x

You can download the PDF for these courses from:

<http://www.magicsoftware.com/resources#selfpace>.

To take the course in a classroom setting, please contact your local branch.

Prerequisite Changes

.NET Framework

The Studio and Runtime modules of Magic xpa are based on the .NET Framework. The following .NET Framework requirements apply:

- To develop an application using the Magic xpa Studio, you must have .NET Framework V4.0 (or above) installed on your machine.
- The Magic xpa In-Memory Data Grid requester requires .NET Framework V4.0 (or above).

Studio Installation

The Magic xpa Studio is based on Microsoft Visual Studio, which cannot be started from a network folder. Therefore, it is not possible to start the Magic xpa Studio from a network folder.

Fixed Issues

QCR #	Description
76832	The Checker failed to warn if variables defined in a logic unit of the Main Program were used in other programs.
76837	When the DataViewToDNDataTable function was used to populate a .NET grid, negative numeric values were turned into positive numbers.
76860	In a Batch task, a locked record was mistakenly unlocked when pressing on any key multiple times.
76900	A horizontal scroll bar was displayed in a Table control whose Last Divider property was set to No when the project was migrated from version 1.9.
76907	A Checker error did not appear when a Batch program was defined as the 'Select Program' of an Edit control.
76921	When the GUI Display Style property was set to a GUI Display model, the reference to the model was lost after performing an Export with Models and then an import.
76922	In a Rich Client program, when a TDepth function was defined in a user-defined function that was raised by a handler or event calling a Main Program event, a zero value was always returned.
76928	The focus did not shift to a field when right-clicking on the field or on the record.
76945	An incorrect internal number was set in the IndexesLastIsn entry in the source files for a new index when importing a project that was exported after deleting an index.
76948	When a color and an alternate color were defined for an Online program's Table control, the color toggled between the two colors for every navigation through the rows.
76952	In Online programs, the Checker failed to warn about a missing variable in an expression and caused the Magic Runtime engine to crash.
76990	After running the Checker when using DevExpress 13.2 objects, warning messages were displayed.
77000	When using the SetParam or GetParam function with a .NET object, Magic xpa did not display a checker error message.
77013	An incorrect error message was shown when mistakenly importing a file that was not created using the Export/Import utility.
79472	In Rich Client tasks, the DbViewRowIdx() function displayed an incorrect row number when performing a View Refresh event if the Preload View task property was set to Yes.
81494	The MMCount function returned 0 when it was invoked on a button click, even if one record was marked.
81580	When a Direct SQL Command included an ORDER BY clause and the Result Database was MSSQL, an SQL syntax error occurred.

QCR #	Description
81609	Double clicking on the title of a parent window caused the child window to move to the background when there was a Window Hit handler defined in the child subtask with the Propagate property set to No.
82959	When using the Get Definition utility for an XML, the Load Data Source Definition dialog box's 'Insert to folder' value was truncated by one character.
83804	When using a View Refresh event with a Locate criteria in Create mode, the engine changed to Modify mode but the Locate did not work properly.
109355	A .NET compilation warning was shown when defining some .NET Framework 4 assemblies in the CRR.
109443	When using parallel execution, a data source lock was not executed even though an error about the locked record was added to the mgerror.log file.
109465	In Rich Client programs, updating a Null value to a variable resulted in the wrong values when clicking on the next or previous record.
109658	Maximizing the screen and calling a print preview program, caused an Unhandled exception error.
109766	If a user-defined function was used as a parameter while calling a program that was executed in debugger mode, the parameter values were not displayed in the Variables window.
115115	When scrolling multi-marked records using the table's scroll bar cleared the marking of the records.
115169	In an Online program, when a push button with an Enabled condition was evaluated in a subtask, the focus of the subtask's cursor was positioned on the second column.
115196	When two subforms raised a Subform Refresh event and the subforms' names began with the same letters, the Subform Refresh event was only executed for the first subform.
115517	Using the Call by Name operation and then the CabinetUnload function in a specific scenario caused the Runtime engine to crash.
115577	An Mggui.dll error was written to the mgerror.log file when an expression was defined for the Top Border or Right Border column property, and the Top Border was seen for a column in Runtime even when it was set to not appear.
115624	When a Control Hit event's Propagate property was set to No, a Check Box control could be clicked and its value was changed.
115655	When opening an I/O device from a parent task in a subtask, the Page Footer form property displayed a different value than the parent task.
115658	The PgUp and PgDn keys did not work properly in the Call Program operation's Arguments dialog box.
115736	Pasting text that was copied using the ClipAdd and ClipWrite functions did not work until exiting and reentering the field.
115762	Performance was slow when using the Link Query operation on the Pervasive SQL database.
116237	The SoapClientModules folder was not created during installation, but instead was created during the first execution.
116361	When using Windows 8, a PDF file could not be opened in Windows Default Reader using the Invoke OS Cmd operation when the Wait property was set to Yes.

QCR #	Description
116432	When marking a record in a table by parking on a record and then pressing Shift+down, the MMCount function returned 0 instead of 1.
116482	The "Ambiguous signature match" error occurred when using a .NET expression in the Expression Editor in some cases.
116494	When a Help event was raised from a program and the help was closed, the program only closed after pressing the Esc key or the X at the top of the screen twice.
116509	The Runtime engine froze when a parent task with 256 blank handlers called a child task and the plus (+) or minus (-) keypad button was pressed.
116521	The Android build failed when the package name was set to a name containing "com.magicsoftware.magicdev".
116561	When a value was deleted from the Range property of a Numeric field, the Invalid Range error did not appear in the status bar.
116566	In a multi-line Edit control, pasting text at the end of a line caused any carriage return characters after the text to be removed.
116574	The returned code from Direct SQL always returned False when executed in a Batch task.
116590	Copying PDF files stored in a BLOB Binary using the DataViewToDataSource function caused the files to become corrupted.
116591	It was possible to modify an Online check box on a subform when the Allow Parking subform property was set to No.
116593	In an Online program, it was not possible to scroll items in a .NET Combo Box control using the mouse wheel.
116737	Retrieving version information did not work when using the @ command line.
116780	In Rich Client tasks, the DVal function failed to return a value when the day or month was entered as a single digit.
116903	In an Online program, keyboard shortcuts did not work for a zero size button.
117030	Unsupported events were added to the Default Pulldown menu when a new project was created.
117147	Adding a project to the TFS 2010 and 2012 version control system caused the "Failed to check in project modules object" error to appear.
117149	The ClientDbDiscnt function did not work if a Local database was used in a combo box.
117160	When big text data was written and then read to and from a NCLOB data type field in Oracle, the field did not display the correct data.
117161	While using an invalid user name or password, an incorrect error message was displayed on the status bar in the German version of Magic xpa.
117165	After executing an OS Command with a non-existing file, the 'File not found' error was not displayed on the status bar.
117196	A Rich Client program crashed in a host project when an Event handler with a Global scope was set in a nested component.
117212	When migrating a V9 Hebrew application to Magic xpa, the ACT literal was deleted from the KbPut function.
117245	When a secondary monitor display was set to the left of the main display, the task was displayed on the wrong monitor in a certain scenario.

QCR #	Description
117252	Setting a .jpg, .bmp or .png file in the Icon file name task property, caused an MgGui.dll error to be generated in the mgerror.log file.
117272	The MnuShow and MnuEnabl functions were not evaluated in a Task Prefix of a Batch parallel program that contained a Verify operation.
117286	Using the ViewMod or VarMod function to query a program that had a Call Program or Call Task operation in the error handler, caused the Runtime engine to crash.
117323	The menu bar and toolbar were displayed even if the menu entries were set as invisible and vertical lines were displayed on the toolbar for invisible entries.
117340	Users that were not in the Supervisor group, could not access their password when invoking the Studio or the Magicxpa settings.exe utility using the User and Password environment settings via the command line prompt.
117412	When a Batch program with the Open Task Window property set to Yes was executed, the window went to the background when pressing the Tab or navigation keys.
117696	It was not possible to type in an Alpha field if a value was selected in a field and the field format contained a character followed by the number sign (#).
117705	On Android devices, in an Offline program, the gradient color attached to a Text or Push Button control via an expression was not displayed.
117731	Sorting data on a Date field that had NULL values resulted in the error: 'SQLBindParameter not used for all parameters'.
117750	Menu options were disabled when the focus was on a grandchild task called by a parent batch task.
117816	Clicking on a push button with arguments when the focus was on a different task caused the Magic client to crash.
117931	When there was a parent I/O file with a header and footer defined, opening the I/O properties from a subtask caused the Magic xpa Studio to crash.
118014	Magic xpa crashed if a login to the database failed in a program with an Ignore error handler.
118077	On Android devices, an Alpha picture with a space after two hash tags (##) followed by the letters X, U, or L did not work correctly.
118105	When a combo box contained a blank value and an escape character (backslash), the blank value was not selected when the space bar was pressed.
118196	On iOS devices, calling a program many times in a loop when the program contained multiple controls, images and wallpaper caused the Magic client to crash.
118214	If two components contained the same functions but the first component did not expose them, the functions were not seen in the host application even if they were exposed in the second component.
118225	A Batch task with a main source and a Magic SQL Where expression, returned a database error when a Link Inner Join operation's condition evaluated to False.

QCR #	Description
118315	The background color was not properly displayed in the Form Editor for List Box controls in Rich Client and Online programs and for Combo Box controls in Online programs.
119458	On iOS devices, Done and Cancel buttons of the Combo Box control's selection list were on the wrong sides of the screen.
119728	It was not possible to overwrite an operation that appeared immediately before or after a Block operation.
119842	In the Hebrew version, a cursor positioned at the end did not move to the previous character when the right arrow key was pressed.
119856	When a User event had two arguments with models attached and the first model had a long Alpha picture, the second argument was padded with the first argument's pattern.
119867	In Oracle databases, a Batch task that waited for a locked record was closed after pressing the Esc key even when the Allow Events property was set to No.
119926	If a MySQL column was updated with a blank string and the database type was set to SQL_CHAR or CHAR, a blank string was mistakenly treated as a NULL value.
119927	The Mgrqispi.dll Web requester did not generate the expected information in the requester log when working with the Windows Server 2012 or Windows Server 2012 R2 operating system.
119997	A time entered in the AM/PM format that began with the number 12, converted to the 24-hour format as 24 instead of 00.
120096	Using a period (.) in the Range property resulted in an error when the decimal separator was set to a comma (,) in the Regional & Language operating system setting and the decimal separator was set to a period in the Magic.ini file.
120166	A task called as a select program was opened as a Modal program, which resulted in the inaccurate display of other tasks called from the select program task.
120360	On iOS devices, when there was a Tab control with a Variable Change handler, the handler was not executed for the tab that came after the tab with the MORE... option.
120400	The Command palette appeared incorrectly when dropping a Line control on an Output form (Class >0) and dragging one of its ends outside the form.
120423	There was a problem calling an Online task from a Batch task using events.
120434	When a project with more than 1000 data sources was placed on a mapped drive, it took more time to save modifications.
120505	An edited value in a Multiline Edit control disappeared when pressing F5 from the control to open a program and then pressing Esc to close the program.
120508	A child window called from an SDI parallel task that was opened by pressing Ctrl+F1, closed if the focus was switched to another external program.
120600	When the credentials of any user were changed, then calling a component program using the Call by Name operation resulted in a non-authorized user error, even when the user was authorized.
120725	Changes done to a Class=1 form affected the control size of another form in a specific scenario.
120803	Comments entered in the Range and the Event screens were switched after saving the project and reopening it again.

QCR #	Description
120827	A call from a Control Verification logic unit to a program defined in a parent task's user-defined function was not executed in Fast mode.
121099	If a .NET variable was defined in the Data View Editor, an error appeared on Android devices even if the .NET variable was not placed on the form.
121167	In an Online task, a subform was not refreshed if the task running in the subform was first executed with a not allowed Initial mode.
121257	Magic xpa attempted to create a table even though it already existed in SQL Server 2012 when the Check Existence property was set to Yes.
121277	When a program was called in the Main Program's Task Prefix and a DBMS error occurred, the application was closed but the MgxpaRuntime process did not terminate.
121446	When a CLOB column was used, the log file displayed incomplete or incorrect SQL commands.
121703	In the Range/Locate window, Magic failed to interpret a question mark preceded with a backlash (\?) as a question mark character.
121721	Setting the font size of a Group control to 1, affected the table's title height.
121841	The Locate functionality was not working properly for the Local database when used in a Link Query or Link Write operation.
121894	Disabled Edit, Group, Tab, Radio Button and Combo Box controls did not appear grayed out.
121986	Changing a data source property caused additional changes in the DataSources.xml file in a specific scenario.
121990	On Android devices, a Java error was displayed when modifying a record, scrolling the screen and then raising an Exit event.
122063	In the Hebrew version, when the default input keyboard was Hebrew, the language when typing in an English Edit control was Hebrew.
122145	When opening a Modal window and switching to another application, the Modal window was not seen when returning to Magic by clicking on the Magic icon in the taskbar.
122192	On Android devices, when using the DataViewToDataSource() function, a zero (0) was added after special characters.
122220	When using the DataViewToDNDDataTable() function with a negative number, the decimal separator, thousand separator and negative sign were not displayed at runtime.
122239	The Select internal event was not raised on Android devices when using a physical keyboard.
122416	In the Hebrew version, the alignment of numbers on a Push Button control appeared differently in the Studio and in runtime.
122774	The alignment of a Tab control's text was incorrect when the item length in the Items list and the expression was different.
123206	The HTTPGet and HTTPCall functions did not work properly when the response was an XML.

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