

# What's new in CU 13 for Microsoft Dynamics AX 2012 R3

This document describes the new or changed functionality, and regulatory updates, that were included in cumulative update (CU) 13.

White paper

September 2017

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# What's new in CU 13 for Microsoft Dynamics AX 2012 R3

This document lists the changes to functionality that have been included for Microsoft Dynamics AX 2012 R3 in cumulative update (CU) 13. More details about the changes included in CU 13 can be found in the release notes at <https://support.microsoft.com/help/4032175/>. Most of these changes were made in the Warehouse management, Transportation management, and Retail areas of the product. In addition, several regulatory features have been included in CU <https://mbs.microsoft.com/customersource/northamerica/AX/downloads/product-releases/msdax2012r3cu10whatsnew12>. Those features are also listed and briefly described.

## Compatibility notice

Compatibility announcements	Notes
Windows Server 2016 is supported with AX 2012 R3 CU 13.	
Microsoft Visual Studio Team Foundation Server 2017 is now supported with AX 2012 R3 CU 13.	
Microsoft SQL Server 2016 SP 1 is supported with AX 2012 R3 CU 13.	

# Client enhancements

The following enhancements were added to developer tools.

Description of issue or change request	Description of enhancement
<p>Big data technologies and machine learning that are used to perform advanced analytics can solve hard problems in simply and make Microsoft Dynamics AX business processes more intelligent. Primary among them is the problem making product recommendations which is one of the most ubiquitous technologies in use with businesses in the Retail segment, and has several uses. Microsoft Dynamics AX extends this support with a statically maintained "related products" functionality on products that is difficult to scale.</p> <p>Microsoft Dynamics AX supports Retail business processes and includes functionality to generate product recommendations as a statically configured "related products" on an item. Also, the application of machine learning techniques to solve this problem face a number of obstacles, especially related to operationalizing such systems in the context of an enterprise. Issues that solutions must address include security, scalability, availability and most of all ease of use, in addition to the efficacy of the machine learning models themselves.</p> <p>KB 3201875</p>	<p><a href="#">Microsoft Cognitive Services APIs</a> hide the complexity and allow you to use machine learning directly within Microsoft Dynamics AX without investing in your own data science and other big data technology skills. With this hotfix, we provide the components and building blocks that are required to solve the problem of making product recommendations.</p> <p>Cortana intelligence services management – showcases Recommendations API integration in Dynamics AX 2012 R3. You can use this capability to create a machine learning model and train that model generate recommendations. You can use this as a reference implementation, and then connect more Cognitive Service APIs or bring other Cortana intelligence based insights into your Dynamics AX solution.</p> <p>For more detailed information, review the following Microsoft TechNet article: <a href="#">Cortana Intelligent Services management white paper</a>.</p>

# Developer tools enhancements

The following enhancements were added to developer tools.

Description of issue or change request	Description of enhancement
<p>Paper about Microsoft Dynamics AX DIXF performance benchmark is needed. KB Not applicable</p>	<p>Microsoft has published the following blog to demonstrate the performance benchmark that's been completed for some selected entities: <a href="https://blogs.msdn.microsoft.com/axsupport/2017/07/20/dynamics-ax-2012-dixf-performance-benchmark-results/">https://blogs.msdn.microsoft.com/axsupport/2017/07/20/dynamics-ax-2012-dixf-performance-benchmark-results/</a></p>
<p>When you run several imports through DMF concurrently, the system stops responding, as well as causing other issues, in some environments. KB 3218786</p>	<p>The changes in the hotfix update the DMF service to prevent concurrent imports from causing the service to stop, as well as preventing other errors.</p>
<p>This enables multiple sources to stage mappings for the same source field in the Data Import/Export Framework (DIXF). KB 4022760</p>	<p>The changes in the hotfix add support for mapping one source field to multiple staging fields.</p>

Description of issue or change request	Description of enhancement
<p>When you set up a recurring export to a file in DIXF, a unique file name for subsequent export files. The file name is always the same.</p> <p>KB 4032447</p>	<p>The changes in the hotfix include the following:</p> <p>A new method for generating the new file path, <code>replaceFilePathPlaceholders</code>, is introduced in the <code>DMFExportEntityDetails</code> table. This method can be extended by using pre-method event handlers. Therefore, overlayering isn't necessary. Then, you can add new placeholders if needed. The following placeholders are supported by default:</p> <ul style="list-style-type: none"> <li>• <code>&lt;guid&gt;</code> – Replaced with a new guid</li> <li>• <code>&lt;ReclId&gt;</code> – Replaced with the export record's <code>ReclId</code></li> <li>• <code>&lt;localdate&gt;</code> – Replaced by the date in the current Windows time zone, default format 'yyyy-MM-dd'</li> <li>• <code>&lt;localdatetime&gt;</code> – Replaced by the date and time in the current Windows time zone, default format 'yyyy-MM-dd_HH.mm.ss.ff'</li> <li>• <code>&lt;localtime&gt;</code> – Replace by the time in the current Windows time zone, default format 'HH.mm.ss.ff'</li> <li>• <code>&lt;utcdate&gt;</code> – Replaced by the date in UTC, default format 'yyyy-MM-dd'</li> <li>• <code>&lt;utcdatetime&gt;</code> – Replaced by the date and time in UTC, default format 'yyyy-MM-dd_HH.mm.ss.ff'</li> <li>• <code>&lt;utctime&gt;</code> – Replace by the time in UTC, default format 'HH.mm.ss.ff'</li> </ul>
<p>This describes a setting that is added to the DIXF Service to allow generating an XSD file where optional fields can be missing from the XML file.</p> <p>Note that DIXF doesn't support importing XML files with missing elements (even if the field is optional).</p> <p>KB 4032504</p>	<p>The changes in the hotfix include the following:</p> <ul style="list-style-type: none"> <li>• The DIXF Service's <code>DMFConfig.xml</code> file has an "AllowMissingElementsInXsdForOptionalFields" new configuration option. When set to <b>True</b>, optional fields will have elements in the XSD file set to <code>minOccurs='0'</code> and <code>maxOccurs='1'</code>. The result is that the element doesn't have to exist in the XML file.</li> <li>• This only applies to the XSD file. DIXF will still not accept XML files with missing elements. This XSD file can be used to validate an XML file before including the missing elements.</li> </ul>
<p>System errors in the Data Import/Export Framework (DIXF) service are not visible to AX.</p> <p>KB 4022006</p>	<p>The changes in the hotfix add a new DIXF parameter <b>Write errors to Exceptions table</b>. If this option is selected (it is cleared by default), any error message that is inserted to the <code>DMFStagingLog</code> table will also be written to the <code>SysExceptionTable</code> table.</p>

Description of issue or change request	Description of enhancement
<p>When you run several imports or exports of Excel documents through DIXF concurrently, the system stops responding, as well as causing other issues, in some environments.</p> <p>KB 4013873</p>	<p>Introduced two new settings in DMFConfig.xml:</p> <p>UseMigrateLock:</p> <p>True = Limits both import and export to only one operation at a time, by locking on an object in the DIXF Service. This only applies to Excel files – the lock is ignored for all other data types.</p> <p>False = No locking. This is the default behavior.</p> <p>UselsolationLevel:</p> <p>Process = Most issues we have with Excel and SSIS appear to corrupt memory in the current process, such as the DIXF service. This option starts a new process for each import/export operation with an Excel file. This should prevent in-process memory corruption.</p> <p>AppDomain = Uses a new AppDomain instead of a new process. This should provide better performance. Although its performance compared to Process-level isolation is uncertain.</p> <p>None = Does everything within the DIXF Service process. This is the default behavior.</p>
<p>Master Data Management (MDM) Support for SQL Server 2016.</p> <p>KB 3199177</p>	<p>The changes in this hotfix include support for SQL Master Data Services 2016.</p>

## BI enhancements

The following enhancements were added to business intelligence (BI) and reporting functionality.

Description of issue or change request	Description of enhancement
<p>Microsoft Dynamics AX only prints one line with the total instead of separate lines per sales tax percentage in Z-report for MPOS.</p> <p>KB 4033082</p>	<p>The changes in the hotfix add a new table to store information when closing shifts. The table contains a tax amount, sales amount and return amount for each tax grouped by tax code and tax rate. This information is presented in MPOS Z report.</p> <p><b>Important:</b> This hotfix contains one or more reports. Make sure that you have imported all your modified reports into the AOT, and then install the hotfix and redeploy the reports.</p>



Description of issue or change request	Description of enhancement
<p>When two users have the same user rights to generate the <b>Cost statement hierarchy</b> report at the same time, the reports display different content.</p> <p>KB 4024633</p>	<p>The changes in the hotfix fix this issue.</p>

## Financial enhancements

The following enhancements were added to Financial functionality.

Description of issue or change request	Description of enhancement
<p>1099 changes for 2016 - AX2012 R3</p> <p>KB 3199354</p>	<p>This fix contains changes to 1099 code to reflect updated IRS formats.</p>
<p>A new feature enables an alternate way to report a carry-forward budget. The feature maintains the carry-forward status on relieving documents that were based on an originating document having been carry-forward.</p> <p>You can use this functionality by selecting the <b>Maintain carry-forward</b> option in <b>Budget control configuration</b>. When enabled you might need to run <b>Budget control data maintenance</b> for the prior year to retroactively update prior year documents. If you change functionality mid-year, and not after year-end, you should also retroactively update the budget for any transactions for the current year.</p> <p>This feature cannot be disabled after it's enabled, because transactions which would not be considered carry-forward might have occurred using the alternate configuration.</p> <p>KB 3210503</p>	<p>This feature enables the new <b>Maintain carry-forward</b> status.</p>



**Description of issue or change request**

This feature enables the reprocessing of documents against budget control. A user in the budget manager role begins by opening the **Budget control data maintenance** form and creating a new process. The user selects the start and end date, and chooses between confirmed or draft documents. The budget manager then selects to find documents and choose which data maintenance scenarios to look for. Documents are then scanned for any problems against the list of scenarios selected. If issues are found, the budget manager can inquire into the documents that were found and reprocess them. After reprocessing, the data maintenance process becomes a read-only record of the documents that were found, as well as showing the results of the reprocessing.

Note that in some situations, the user running the process might need budget overrun permission, if there isn't sufficient budget for the document to be processed.

KB 3206959

**Description of enhancement**

The changes in the hotfix enable the reprocessing of documents against **Budget control** as expected.

**Description of issue or change request**

When a revaluation happens before the settlement of an invoice, the settlement can create an unrealized transaction for a gain or loss. When it's fully settled, the settlement posting will reverse the unrealized gain/loss and post a realized gain/loss. When revaluation and the settlement happen on different dates, the posting will use both the revaluation date and the settlement date. Because France requires a new voucher number for each date, the posting must be split out by date, with different voucher numbers assigned to the lines with different dates. The reversal of the unrealized gain or loss transaction will be on the original revaluation date and needs a new voucher number. The realized gain or loss and settlement date can be posted with the original voucher number generated during the settlement process.

KB 3205038

**Description of enhancement**

The changes in the hotfix check the revaluation date against the settlement date. If these are different, separate vouchers are generated (in France). If the dates are the same, a single voucher is posted in countries other than France.

Description of issue or change request	Description of enhancement
<p>On the <b>Enterprise</b> (web) <b>portal</b>, a receipt for a fixed asset purchase cannot be posted correctly.</p> <p>KB 3207719</p>	<p>The program was changed to make the <b>Qty</b> field editable and the <b>Quantity to receive</b> will be now passed correctly for fixed asset purchase receipt postings.</p>
<p>Assume that you want to update the Ledger allocation with advanced rules. It takes a long time to run <b>Advanced ledger allocation basis rules</b>, and a result is that the TempDB fills up.</p> <p>This happens because the process of creating a flattened dimension combination table is less efficient than it could be. If a user has many basis allocation sources/destinations, the table is regenerated for each one, which adds to the processing time. The update statements for setting the individual dimension values also set dimension values unnecessarily because not all dimensions are used in the basis rule setup.</p> <p>KB 4033003</p>	<p>The program was changed so that it now maintains the temp table across all the basis rules, and does incremental updates only when needed. The update also reduces the dimension values that are set based on the dimensions used in the allocation rule setup.</p>

## Retail enhancements

The following enhancements were added to Retail functionality.

Description of issue or change request	Description of enhancement
<p>Adding more than 50 fields to a receipt footer, generates the following error message:</p> <p>"Index was outside the bounds of the array."</p> <p>KB 4026032</p>	<p>The hotfix increases the maximum number of fields you can add to a receipt footer to 100.</p>
<p>When you change the sales price for a sales order that is registered in a call center, the line discount is not updated.</p> <p>KB 3207807</p>	<p>The hotfix adds a change that causes the discount from the retail pricing engine to be added when the sales price is changed on a sales order.</p>

Description of issue or change request	Description of enhancement
<p>Add basic fields to the Customer table to indicate privacy choices, such as do not call, email, text, and so on, for all interfaces in all channels</p> <p>KB 3198247</p>	<p>The hotfix adds fields to the Customer table to indicate a customer's contact preferences.</p>
<p>Post-sync channel DB clean up to reduce data volume.</p> <p>KB 3208173</p>	<p>Post-sync channel DB clean up to reduce data volume.</p> <p>To enable this feature:</p> <ol style="list-style-type: none"> <li>1. The following components must be upgraded on the Client: <ul style="list-style-type: none"> <li>• Async Client</li> <li>• Channel database (upgrade by Channel database utility)</li> </ul> </li> <li>2. The AOS must be upgraded to introduce a new configuration in the <b>Retail scheduler parameters</b> form: <p>"Strip irrelevant master data from channel database"</p> </li> <li>3. The configuration must be turned on, then synced to the channel database by 1110 scheduler job.</li> <li>4. If there is customization that changes/adds new tables, the channel database stored procedure must also be customized to purge data properly [crt].[StripMasterData]</li> </ol>
<p>Async is not partition-aware.</p> <p>KB 3211031</p>	<p>We have not announced, nor do we plan to support for multi-partition for Retail for AX 2012 R3.</p> <p>This fix enables the use of CDX in multi-partition environment, which can provide the needed feature under the following conditions:</p> <ol style="list-style-type: none"> <li>1. Proper naming rules must be followed, and there is no validation in AX to validate names as they are entered.</li> <li>2. Status monitoring must be disabled from hidden UI elements, because it (status monitoring) does not work in multi-partition.</li> </ol>
<p>When you run any CDX download job, an insert into the temp database query occurs once for every data group in the distribution schedule. This query executes 100 times for each CDX job that has 100 data groups. This impairs performance, especially for large jobs, such as price changes.</p> <p>KB 3208541</p>	<p>The changes in the hotfix optimizes processing by grouping the change tracking queries across multiple data groups together, if certain requirements can be met.</p>

Description of issue or change request	Description of enhancement
<p>The <b>X Report</b> and <b>Z Report</b> (in POS and HQ) include the amounts from the sales quotations.</p> <p>KB 4020295</p>	<p>The changes in the hotfix ensure that the amounts from the sales quotations are not included on the <b>X Report</b> and <b>Z Report</b>.</p>
<p>View loyalty reward points balance in POS.</p> <p>KB 3203569</p>	<p>The hotfix added a feature to display/check loyalty card point balance on the <b>Customer detail</b>, <b>Store operation</b> and <b>Loyalty payment</b> pages.</p>
<p>There is a performance issue on the <b>Retail Sales</b> form when there are a large number of SQL records in the AX database.</p> <p>KB 4024615</p>	<p>The hotfix adds a <b>Search</b> button, and changes process so that the query is run only when the button is clicked.</p>
<p>Aggregation in Enterprise POS doesn't work as expected with discounts because of incomplete line aggregation logic in POS (was: CRT pricing engine).</p> <p>Also, when the mix and match discount is set up as <b>Discount amount</b> and <b>Call center order</b> lines are split in two.</p> <p>KB 4034708</p>	<p>The hotfix adds a custom field on the <b>Retail parameters</b> form. When selected, the field prevents the <b>Discount amount</b> and <b>Call center order</b> lines from being split.</p>
<p>Ability to sell/return products outside of assortments.</p> <p>KB 4016172</p>	<p>The hotfix adds a new control to allow users to sell (and return) items outside the store assortment.</p>
<p>A credit memo is created without reference at AX HQ if the credit memo is created during a time when the network at the store is down.</p> <p>KB 4021760</p>	<p>The hotfix clears the credit memo that was created previously before creating a replacement.</p>
<p>Add support for a third-party gift card, check processing, and more by enhancing POS and extending the Payment SDK for AX 2012.</p> <p>Support configuration of multiple payment connectors for POS for AX 2012.</p> <p>KB 4012745</p>	<p>Before using the gift card feature make sure the EPOS/MPOS button grids have been updated to use the required payment method. Also make sure that the payment connector supports the new gift card and check processing.</p>

Description of issue or change request	Description of enhancement
<p>Add support for prices to be triggered on the basis selected catalogs, where the catalogs have the same categories.</p> <p>KB 3203626</p>	<p>Prices will be triggered based on the selected, where the catalogs have the same categories.</p>
<p>Z-Report includes gift card sales.</p> <p>KB 4014096</p>	<p>Remove gift card purchased total from sales total on Z reports. Add gift card purchased lines on Z reports in AX and POS.</p> <p>There are two application hotfixes and one kernel hotfix.</p> <p>First, apply the hybrid hotfix (first application hotfix and kernel hotfix, builds 6.3.5000.2854 and 6.3.5000.2861 in either order).</p> <p>Then, apply the second application hotfix (build 6.3.5000.2891).</p>
<p><b>Once per transaction</b> settings are not honored for return transactiona when multiple items are returned.</p> <p>Also, the <b>Once per transaction</b> setting on InfoCodes is not respected by MPOS. (duplicate 3803717)</p> <p>KB 4012952</p>	<p>Changes in the hotfix enable MPOS to honor <b>Once per transaction</b> settings for Infocodes and return transactions that involve the return of multiple items.</p>
<p>When the transaction type is <b>Customer Order</b>, the cash info code isn't triggered in Modern POS (MPOS).</p> <p>KB 4014058</p>	<p>The changes in the hotfix allow to input the info code for customer order transactions in MPOS.</p>

Description of issue or change request	Description of enhancement
<p>Triggered Infocodes in MPOS do not happen in the correct order</p> <p>KB 3215008</p>	<p>For Infocodes to be triggered in the correct order, multiple reason codes cannot be retrieved in a single request. When multiple reason codes are retrieved in one request, the client displays all of them before retrieving the subcode that will trigger another reason code. Instead, retrieving one reason code at a time results in the subcode you selected, as well as the reason code, being triggered in the correct sequence.</p> <p>In the following scenario, reason code A will trigger reason code B after a subcode selection, and reason code C should be displayed in sequence.</p> <p>Implementation order before the fix:</p> <ul style="list-style-type: none"> <li>1st request: A,C</li> <li>2nd request: B</li> </ul> <p>Implementation order after the fix:</p> <ul style="list-style-type: none"> <li>1st request: A</li> <li>2nd request: B</li> <li>3rd request: C</li> </ul>
<p>Retail offline sync doesn't remove tombstoned records from the _TRACKING tables from channel databases or offline databases.</p> <p>Note that the hotfix adds a setting attribute in the offline sync service configuration file. The hotfix won't automatically update the offline sync service configuration file, so the offline sync service will use default value 7 (days) if this setting isn't updated manually in the configuration file.</p> <p>The setting is:</p> <pre>&lt;setting name="TrackingTableRetentionDays" serializeAs="String"&gt;     &lt;value&gt;7&lt;/value&gt; &lt;/setting&gt;</pre> <p>KB 3207458</p>	<p>The hotfix uses the Microsoft sync framework feature to clean up metadata in the change tracking tables on both stored databases and offline databases. The SqlSyncStoreMetadataCleanup class in the sync framework will clean up the metadata if a row is deleted from the base table and all nodes in all scopes have received it. The cleanup retention day is configurable in offline sync service configuration file.</p>



Description of issue or change request	Description of enhancement
<p>Sales invoice operation should be supported in MPOS. KB 3199141</p>	<p>The Sales invoice operation now is supported in MPOS. The <b>Sales invoice</b> button on MPOS to get the sales order payment at a store has been fixed and so that the message <b>Operation is not supported</b> isn't displayed.</p>
<p>In instances where the sale of a released product is blocked, an item sold earlier cannot be returned without a receipt. KB 4010539</p>	<p>The changes in the hotfix allow you to return an item without a receipt when it was blocked for sale in POS.</p>
<p>There are performance issues in EPOS while doing barcode scanning with more than 40 to 50 items in a cart. KB 4032191</p>	<p>The changes in the hotfix fix cache for taxes in two cases:</p> <ul style="list-style-type: none"> <li>• When the sales tax group or item tax group is null or empty, the taxes will not be calculated.</li> <li>• When no tax code is returned, make sure that the value is cached.</li> </ul>
<p>Assume that the Sales order is created in POS and the Deposit of 100% amount is paid (with Change amount). Change amount is posted to the customer transactions, this should not happen. KB 4034929</p>	<p>The changes in the hotfix resolve the issue.</p>
<p>Performance in EPOS is slow when bar codes are scanned with more than 40 to 50 items in a cart. KB 4033138</p>	<p>The changes in the hotfix include the following:</p> <ol style="list-style-type: none"> <li>1. Allow sale line calculation directly calling default code instead of calling pricing engine service, and make this configurable.</li> <li>2. Short circuit rounding calls within pricing engine.</li> </ol>
<p>Wrong quantity presented for recalled Customer order in POS if partially Qty picked and rest cancelled. KB 4020948</p>	<p>The changes in the hotfix add two new columns, <b>Delivered</b> and <b>Deliver remainder</b> to the MPOS <b>Customer order pickup</b> form. This corrects the incorrect quantities being presented for recalled customer orders when a partial quantity is picked and the rest is canceled. This fix requires both application and binaries to be patched.</p>
<p>Line comment details (<b>Size, Color, Style, Comment,Discount</b>) should be displayed by default for items in MPOS. KB 3217093</p>	<p>In Retail Modern POS, Line comment details are displayed by default for transaction items.</p>

Description of issue or change request	Description of enhancement
<p>When setting up font size, style and color on buttons on the MPOS layout designer, the choices don't show correctly.</p> <p>KB 3196720</p>	<p>The changes in the hotfix result in the button font size, style and color appearing correctly in MPOS layout designer.</p>

## Human capital management enhancements

The following enhancements were added to Human capital management functionality.

Description of issue or change request	Description of enhancement
<p>This update provides the changes for 2016 version of the Affordable Care Act (ACA) forms which contain the 1095-B and 1095-C SSRS reports and Electronic from 1094-C.</p> <p>KB 3213742</p>	<p>The changes in the hotfix enable the update for providing the changes for 2016 version of the Affordable Care Act (ACA) forms which contain the 1095-B and 1095-C SSRS reports and Electronic from 1094-C.</p> <p><b>Important:</b> This hotfix contains one or more reports. Make sure that you have imported all of your modified reports into the AOT, and then install the hotfix, and redeploy the reports.</p>
<p>This hotfix installed updates for 2017-R1 payroll tax for the USA version of Microsoft Dynamics AX 2012 R3.</p> <p>This change is now pre-empted by KB 3212811. (2017-R2 payroll tax update).</p> <p>KB 3212811</p>	<p>The changes in the hotfix enable the 2017-R1 payroll tax updates for the American version of Microsoft Dynamics AX 2012 R3.</p> <p><b>Important:</b></p> <ul style="list-style-type: none"> <li>As of the 2016-R4 release, the Windows versions of the Symmetry Tax Engine are built using Visual Studio. This makes the files larger than they were previously (due to both STE versions being included). Also, there are now two folders within the Releases' Zip files that will contain the two versions. Those folders are named Visual Studio 2010 and Visual Studio 2013. You must select the STE files you will be using to update from one of these two folders. These are the same release, but they were built in different versions of Microsoft Visual Studio. The directory structure for STE remains the same. The VC 2013 redistributables (32 bit and 64 bit) are included in the package in the _VCRedist folder.</li> <li>With 2016-R5 release, the .NET 2.0 Framework was transitioned to .NET 4.0 Framework. You must ensure that the .NET 4.0 Framework is installed on your client computers. The installer is located in the package in the _NET40FW folder.</li> </ul>

Description of issue or change request	Description of enhancement
<p>This hotfix installed updates for 2017-R2 payroll tax for the American version of Microsoft Dynamics AX 2012 R3.</p> <p>KB 3218716</p>	<p>The changes in the hotfix enable the updates for 2017-R1 payroll tax for the American version of Microsoft Dynamics AX 2012 R3.</p> <p><b>Important:</b></p> <ul style="list-style-type: none"> <li>As of the 2016-R4 release, the Windows versions of the Symmetry Tax Engine are built using Visual Studio. This makes the files larger than they were previously (due to both STE versions being included). Also, there are now two folders within the Releases' Zip files that will contain the two versions. Those folders are named Visual Studio 2010 and Visual Studio 2013. You must select the STE files you will be using to update from one of these two folders. These are the same release, but they were built in different versions of Microsoft Visual Studio. The directory structure for STE remains the same. The VC 2013 redistributables (32 bit and 64 bit) are included in the package in the _VCRedist folder.</li> <li>With 2016-R5 release, the .NET 2.0 Framework was transitioned to .NET 4.0 Framework. You must ensure that the .NET 4.0 Framework is installed on your client computers. The installer is located in the package in the _NET40FW folder.</li> </ul>

## Supply chain management enhancements

The following enhancements were added to Supply chain functionality.

Description of issue or change request	Description of enhancement
<p>No planned orders are created with <b>Consider Shelf Live</b> and <b>Min/Max Coverage</b>.</p> <p>KB4023339</p>	<p>The changes in the hotfix ensure that master planning settles every issue with an existing supply or with a planned order. Note that the fix changes the logic for items with shelf life enabled that are set to be replenished according to a minimum or maximum coverage code. If the inventory goes below the value specified in the <b>Minimum</b> field for the coverage rule, a planned order will be created for the full quantity specified in the <b>Maximum</b> field, not for the quantity needed to get to maximum. This leads to planned orders that suggest purchasing or producing a greater quantity than expected based on the logic applied in the previous version. Before installing this fix, verify that this change is consistent with your organization's requirements.</p>

Description of issue or change request	Description of enhancement
<p>When you split quarantine orders after pressing the <b>Start</b> button, no quality orders are generated even if the status changed to <b>Reported as finished</b>. However, if you split the quarantine order before clicking the <b>Start</b> button, the quality orders are automatically generated.</p> <p>KB 3209155</p>	<p>When you've split the quarantine order after clicking <b>Start</b>, the changes in the hotfix ensure that the quality order is created when the quarantine order is reported as finished.</p>
<p>Assume that you use the option to reserve ordered items. When you work with quality orders and inventory blocking, sales order (SO) lines don't get updated from Reserved ordered to Reserved physical after quality order is processed.</p> <p>KB 4012301</p>	<p>The changes in the hotfix resolve this issue by ensuring that the original sales order line reservation is re-established when the quality order is processed.</p>
<p>When you import items using the DIXF tool, a table that's related to item master planning (ReqItemLevel) isn't filled in. Therefore, when you use master scheduling, item requirements aren't counted, and no planned orders created.</p> <p>KB 4022486</p>	<p>The hotfix include introduces a menu item to populate reqItemLevel table.</p>
<p>When running calculate confirmed delivery dates where the <b>Allow multiple deliveries</b> field is set to <b>Yes</b> and the deliveries are capable to promise (CTP,) earlier receipts will be ignored if the sales line is already pegged</p> <p>KB 4012712</p>	<p>This hotfix resolves the issue such that earlier receipts will not be ignored when running calculate confirmed delivery dates when <b>Allow multiple deliveries</b> is set to <b>Yes</b>, plus CTP, and the sales line is already pegged.</p>
<p>'Select packing slip' takes a long time to process for an intercompany Sales Order when the sales policy is set to <b>Unit price equal to cost price</b>.</p> <p>KB 3212427</p>	<p>The hotfix resolves the performance issue by optimizing data access and improving the performance of the business logic.</p>

Description of issue or change request	Description of enhancement
<p>As the complexity of product configuration model continues to expand, Microsoft needs to use technology to address this complexity to meet customer requirements.</p> <p>KB 4012892</p>	<p>Microsoft has been developing the Z3 solver since 2008, it has reached a level of maturity, where it is now able to match and in some cases, outperform the MSF solvers.</p> <p>Furthermore, the Z3 solver is an open source project with an active community, which is continuously evolving. For product configuration in Dynamics AX 2012 it means that there is an opportunity to leverage the Z3 solver to provide better performance and in the future new solving capabilities for product configuration.</p>
<p><b>Flex+</b> and <b>Flex-</b> are calculated although the worker is not allowed to register for flex time.</p> <p>KB 3203527</p>	<p>The hotfix introduces the following changes to address this issue.</p> <ol style="list-style-type: none"> <li>1. On the <b>Time Attendance Parameters</b> form: <ol style="list-style-type: none"> <li>a. The existing field, <b>Auto insert flex-/absence</b>, has been split into two fields. The existing field was renamed <b>Auto insert flex</b>. When selected, it shows the <b>Absence code</b> for which the <b>Absence Group</b> the <b>Reduce flex</b> property were selected.</li> <li>b. A new field, <b>Auto insert absence</b> has been added. The drop down list for this field includes the selection <b>Absence code</b> for which the <b>Absence Group</b> property, <b>Reduce flex</b> is not selected.</li> </ol> </li> <li>2. On the <b>Absence group</b> form: <p>The control on the <b>Absence group</b> form removes the ability to change <b>Reduce flex</b> property if the related <b>Absence code</b> is set in the <b>Auto insert flex-</b> or <b>Auto insert absence</b> fields.</p> </li> <li>3. On the <b>Approve/Calculate</b> form: <p>When a worker's time is calculated in the <b>Calculate or approve</b> form the system should insert either the <b>Absence code setup</b> in <b>Auto insert flex-</b> or <b>Auto insert absence</b>. If the work has <b>Flex allowed</b>, then the <b>Absence code</b> in <b>Auto insert flex-</b> should be used. If <b>Flex allowed</b> is not set for the worker, then the <b>Absence code</b> in <b>Auto insert absence</b> should be used.</p> </li> </ol>
<p>When you have a large number of bills of materials (BOMs), bill of materials lines, or BOM versions, you may experience that the performance of the BOM circularity check, that is optimized for high complexity, is not acceptable.</p> <p>KB 4020816</p>	<p>The changes in the hotfix improve performance of the BOM circularity check, that is optimized for high complexity, in scenarios where you have a large number of bills of materials (BOMs), bill of materials lines, or BOM versions.</p>

Description of issue or change request	Description of enhancement
Backflush costings do not complete in a timely manner. KB 4021970	The changes in the hotfix improve performance on backflush costing.
Using the Excel Add-in tool to import edited Trade agreement lines creates an additional record in the unposted <b>Price/discount agreement journal</b> instead of editing the existing record, makes the <b>Price/discount agreement journal</b> unusable. KB 4019229	The changes in the hotfix remove the relation of the specific table with the retail license code, which allows the record to be updated rather than a new record being inserted when it's edited in the Excel add-in.
Catch weight items can be added to a purchase requisition without generating an error message. KB 4012305	The changes in the hotfix prevent catch weight items from being added to a purchase requisition.

## Warehouse and transportation enhancements

The following enhancements were added to Supply chain management and Warehouse and transportation management functionality.

Description of issue or change request	Description of enhancement
Ability to report consumption of material that's staged or picked material. KB 4014132	The changes in the hotfix let you report consumption of material that is either reserved or picked.
Item trace crashes when there are many work transactions. KB 4014541	The changes in the hotfix use a custom class instead of InventTrans to cache item tracing data.
Pick work for withdrawal kanbans handled with the warehouse management system. KB 4016114	It is now possible to release a withdrawal kanban for picking to a warehouse that is managed with flexible location storage. This is a port of an enhancement that was added to a more recent version of the product.
Correct reservation status after re-marking of WHS items with the Storage dimension enabled. KB 4013003	Warehouse items with the Storage inventory dimension enabled now get the correct reservation status after re-marking.

Description of issue or change request	Description of enhancement
<p>Timing of planned production orders when overlap jobs are enabled and the route operations use different calendars.</p> <p>KB 4010424</p>	<p>Planned production orders were proposed too early when overlapping jobs were enabled and the route operations used different calendars. This issue has now been resolved so that in this situation, planned production orders are proposed duly.</p>
<p>Move one item or the entire license plate (LP) with work behind when there is replenishment work behind.</p> <p>KB 4010584</p>	<p>If the Allow movement of inventory with associated work check box on the Work users page is selected, you can move a part or the entire license plate that is tied to the replenishment work.</p>
<p>Guided partial cycle counting at a location has been enabled.</p> <p>KB 4025460</p>	<p>The changes in the hotfix include adding support to do partial cycle counting. Work line breaks are added to the cycle counting work template and partial cycle counting work will be generated during cycle counting planning. This is a port of an enhancement that was added to a more recent version of the product.</p>
<p>Some operations on warehouse mobile devices span multiple database transactions. This exposes a risk to data integrity, as there is no guarantee that all the transactions are committed (or rolled back) for a given warehouse operation.</p> <p>KB 3210293</p>	<p>The changes in the hotfix introduce an outer dataset transaction to ensure the entire operation either succeeds or fails. Further, this allows you to include retry logic on update conflicts, dead locks and duplicate key exceptions to further increase the resilience of the system.</p>
<p>The central warehouse flows are subjected to an issue, and it causes partial transactions to be committed to the database. This issue occurs typically when the system is under heavy load. It manifests itself in a number of ways, including work being created but the associated waves and loads not reflecting it.</p> <p>KB 3210822</p>	<p>The changes in the hotfix ensure the impacted processes use a reliable pattern.</p>
<p>When a work order is completed, a counter is decremented on WHSWaveTable. This update happened using exclusive locks which could negatively impact performance. There was also a risk that the counter fields would go out of sync with the actual work completed.</p> <p>KB 3217157</p>	<p>The counter fields were redundant and have been removed.</p>



Description of issue or change request	Description of enhancement
<p>Sales orders with a release status of <b>Released</b> still have unreleased lines. Even though some sales orders have unreleased lines, they still reach the <b>Released</b> status.</p> <p>KB 3217156</p>	<p>The changes in the hotfix make sure the system prevents sales orders from reaching the Released status when there are unreleased lines.</p>
<p>This issue concerns WHSLoadLine queries on specific locations across warehouses. If multiple warehouses had locations with same name, the load lines from the incorrect warehouse were used in some circumstances.</p> <p>KB 3202309</p>	<p>The changes in the hotfix ensure that the load line queries correctly filter on the warehouse.</p>
<p>Pick items from another location in short picking scenarios.</p> <p>KB 3205507</p>	<p>Items in short picking scenarios can now be picked from another location which enables a process where goods can be shipped as fast as possible. Note that this feature requires kernel 6.3.1000.1928 (KB3048540) or higher.</p>
<p>Pick (other) work order lines, even if one of the order lines is blocked by demand replenishment.</p> <p>KB 3205828</p>	<p>The replenishment work blocking policy can now be set up to allow that users can pick (other) work order lines, even if one of them is blocked by demand replenishment. This fix was ported from an enhancement added to a more recent version of the product.</p>

Description of issue or change request	Description of enhancement
<p>Packed goods can be brought from the packing station to the staging area or loaded directly on a truck.</p> <p>KB 3217388</p>	<p>The packing station experience has been improved to ensure that it will seamlessly integrate with the rest of the workflows in the warehouse. On a high level, these are the areas that have been improved:</p> <ul style="list-style-type: none"> <li>• Setup experience is better aligned with the rest of Warehouse Management.</li> <li>• The packing station is now seen as a location. When the warehouse workers log in on the packing station, they will only see and operate on shipments and containers that are present at the specific packing location.</li> <li>• Work can now be generated to bring goods from the packing station to the staging and bay door locations.</li> <li>• The concept of container groups has been introduced to allow multiple containers to be moved out of the packing station in one operation.</li> <li>• A new packing policy has been introduced to give warehouse managers greater flexibility in how containers should be handled in the packing process.</li> <li>• The concept of manual manifesting has been introduced to allow a loosely coupled integration to external transportation provider systems.</li> <li>• The user experience for packing and container processing has been improved.</li> </ul> <p>This fix was ported from an enhancement added to a more recent version of the product.</p>
<p>Plan purchase orders through TMS in an inbound process when using Change management.</p> <p>KB 4010426</p>	<p>Purchase orders in an inbound process can now be updated from Transportation management when Change management is activated. Previously, this would require that the entire purchase order to be routed through the approval steps again.</p>
<p>The performance of the <b>Intercompany On-Hand</b> form in Warehouse management doesn't meet market expectations for performance.</p> <p>KB 4016608</p>	<p>The hotfix updated the processing of on-hand calculations and postpones cost calculations until the user displays the values to improve performance.</p>

Description of issue or change request	Description of enhancement
<p>With a maximum weight or volume on the work template, the work split is now based on the directive unit and not on the lowest unit of measure.</p> <p>KB 3215971</p>	<p>Previously, when you set up a maximum weight or volume on the work template, work would split on the lowest unit of measure (UOM). Now work splits on the directive unit.</p>
<p>Finished goods can be cross docked to bay door locations providing an alternative to the put-away process where finished goods from the production output would normally be put in the <b>Finished goods put</b> location.</p> <p>KB 3207958</p>	<p>When reporting as finished, goods can now be cross docked to bay door location based on a transfer order demand. A transfer order that is released to a warehouse will generate work of the type <b>Transfer issue</b> and this work can then be picked from the production output location and put to a location that is determined by the <b>Transfer issue location directive</b> for work. Previously, a warehouse worker would be guided to pick work of the type <b>Finished goods</b> from the production output location, and put to a location determined by location directive for <b>Finished goods put away</b>.</p>
<p>Work confirmation requested by the system before a put is completed.</p> <p>KB 4021968</p>	<p>For cluster picking, piece-by-piece picking can now be enabled to have the system request a work confirmation before a put is completed.</p>
<p>When you try to close the container in the <b>WHS packing</b> form, you receive the following error message:</p> <p style="padding-left: 20px;">License Plate already exists in another location.</p> <p style="padding-left: 20px;">Update has been canceled.</p> <p style="padding-left: 20px;">Container XXX did not close."</p> <p>KB 4016499</p>	<p>The hotfix updated processing to skip the check if the license plate exists anywhere else in inventory when closing with the same ID as the license plate the goods are on. The check performed in the calling code after all the container lines are moved.</p>
<p>Use of the demand replenishment method for the raw material picking process.</p> <p>KB 4015472</p>	<p>A wave template can now be constructed for raw material picking and a demand replenishment method can be added for production orders and kanbans. The capabilities correspond to the capabilities for sales order picking and transfer order picking.</p>
<p>When you update the delivery address on a sales order (SO), the changes aren't reflected on the existing shipment/load and there is a message that prohibits you from making the change on the SO when shipments/loads exist.</p> <p>KB 3214470</p>	<p>The changes in the hotfix make sure shipment/load delivery address will get updated when SO delivery address is updated.</p>

Description of issue or change request	Description of enhancement
<p>You may expect to log exceptions with menu item license plate receiving during transfer order process.</p> <p>KB 4021117</p>	<p>The changes in the hotfix contain ensure that you can create work exceptions with license plate receiving, as expected.</p>

## Public sector enhancements

The following enhancements were added to Public sector functionality.

Description of issue or change request	Description of enhancement
<p>The default Committed costs report does not show general budget reservation as an option in the filter.</p> <p>KB 3203640</p>	<p>The hotfix includes support for the General budget reservation document to the <b>Committed costs</b> report.</p>
<p>When <b>Posting definitions</b> and <b>Balancing dimensions</b> are enabled for Public sector and retainage is generated for an invoice, unbalanced entries are generated and the invoice cannot be posted because the retainage lines don't carry the same dimensions as the accounting distributions.</p> <p>KB 4011994</p>	<p>The changes in the hotfix ensure that the accounting distribution will be generated and the retainage accounting distributions will use the posting definitions so that the entries are balanced.</p>
<p>As a year progresses, adjustments are frequently made to reduce the reservation amount to free budgeted amounts for other uses. Posting a change isn't possible because the process currently uses the document date, and the fiscal period associated with the document is frequently on hold after month-end adjustments and reporting are completed. The change should be recorded using the system date, or if the date is in a period that's on hold or closed, the first day of the next open fiscal period.</p> <p>KB 4024841</p>	<p>The changes in the hotfix add the ability to modify a budget reservation line using the system date, or if the related fiscal period is on hold or closed, using the first date of the next open fiscal period in that fiscal year.</p>

Description of issue or change request	Description of enhancement
<p>You may experience performance issues in the <b>Budget analysis inquiry</b> when building the tree hierarchy along with the following issues:</p> <ul style="list-style-type: none"> <li>• The tree does not display blank optional segments in a selected financial dimension set.</li> <li>• Dimension segments and values in the grid are displayed if no transactions are recorded (all zeroes).</li> <li>• <b>Main account type equal</b> totals are not included (core recently allowed for general budget register entries to be posted to totals type accounts). These are not included in the query.</li> <li>• <b>Export to Excel</b> from the inquiry does not include all dimension segments, just the segment in the grid.</li> <li>• <b>Export to Excel</b> from the drill-down inquiry does not identify carryforward related documents.</li> </ul> <p>KB 4016794</p>	<p>The new inquiry delivered in the hotfix uses the same pattern as the <b>Trial balance inquiry</b> by replacing the tree hierarchy. In addition to improving performance, this new pattern resolves issues where the tree does not display optional blank segments in a selected financial dimension set and exports the full dimension value combination to Excel. Additionally, when the user selects the balance, the drill down now displays only the transactions that make up that balance, thereby segregating carryforward related documents from current year activity and including <b>Totals main account types</b>. The legacy version of the <b>Budget analysis inquiry</b> is available when the parameter that enables use of the legacy inquiry is enabled on the <b>Budgeting parameters</b> form.</p>

## Country/region-specific updates that are included in CU 13

The following enhancements and regulatory changes apply to specific countries and regions.

Description of issue or change request	Description of enhancement
<p>IN – RegF – FVU 5.2 for e-TDS/TCS file validation_AX2012R3</p> <p>KB 3204229</p>	<p>IN - RegF - FVU 5.2 for e-TDS/TCS file validation_AX2012R3</p>

Description of issue or change request	Description of enhancement
<p>GST is an organization-wide transformational change that will impact the entire value chain of operations, including procurement, manufacturing, distribution, warehousing, sales, and pricing.</p> <p>It is a destination-based tax that should replace the current central taxes and duties such as excise duty, service tax, counter-vailing duty (CVD), special additional duty of customs (SAD), central charges and cesses and local state taxes, such as Value Added Tax (VAT), Central Sales Tax (CST), Octroi, Entry Tax, Purchase Tax, Luxury Tax, Taxes on lottery, betting and gambling, state cesses and surcharges and Entertainment tax (other than the tax levied by the local bodies).</p> <p>KB 4019353</p>	<p>A new package will be delivered to provide GST functionality.</p>
<p>Starting from year 2017 reporting period a new mutual report for Pension, Medical and Social Insurance Fund contributions calculation is introduced.</p> <p>KB 4011778</p>	<p>The hotfix enables the creation of an XML file for a new report for Pension, Medical and Social Insurance Fund contributions calculations.</p>
<p>XML files whose size exceeds 2 GB for electronic audit reports can't be generated due to the System.OutOfMemoryException error.</p> <p>KB 4018035</p>	<p>The changes in the hotfix include updates of services and reports to ensure electronic audit reports can be generated for any volume of data and performance enhancements. The intermediate and outer XML document in-memory representation (thereby passing as a string) is replaced by a file stream and passed as a file name. The hotfix also introduces the option of setting up AIF services to export a subset of table fields and methods (those, that are actually used in the XSLT transformations) to reduce the volume of exported data.</p> <p><b>Important:</b> This hotfix contains one or more reports. Make sure that you have imported all your modified reports into the AOT, and then install the hotfix, and redeploy the reports.</p>
<p>Starting from year 2017, a new format of 4-FSS report submitted to Social Insurance Fund is introduced.</p> <p>KB 3215045</p>	<p>This hotfix enables a new format of 4-FSS report.</p>

Description of issue or change request	Description of enhancement
<p>Starting from year 2017 changes in the electronic (XML) format of SZV-M report submitted to Pension Fund have been introduced.</p> <p>KB 3217027</p>	<p>This hotfix enables an updated format of SZV-M report.</p>
<p>The Bank exchange rate for VAT functionality (HU, PL, CZ) is included to be aligned with the core rounding engine.</p> <p>KB 3217223</p>	<p>This hotfix provides the core rounding feature enabled for EEU.</p>
<p>A country-specific hotfix for Japan is needed to enable appended table 16 series generation by fixed asset groups.</p> <p>KB 3218445</p>	<p>The changes in the hotfix address this issue.</p>
<p>Starting from year 2017 a new format of VAT declaration is introduced.</p> <p>KB 4011770</p>	<p>This hotfix enables the required format for VAT declaration.</p>
<p>Support for the Standard Audit File - Tax (SAF-T) data export is needed.</p> <p>KB 3207942</p>	<p>The hotfix contains solution for the Norwegian and Lithuanian SAF-T reporting.</p>
<p>This article introduces the changes for new formats of the 3-F and P-4 statistical reports that are available in the Russian version of Microsoft Dynamics AX 2012 R3.</p> <p>KB 3205092</p>	<p>The changes in the hotfix enable the updates for the new formats.</p>
<p>Effective January 1, 2017, invoices sent to French, Belgian and Dutch public sector companies must be submitted in electronic format.</p> <p>KB 3190092</p>	<p>The changes in the hotfix enable this update.</p> <p>The e-Invoice functionality in Microsoft Dynamics AX supports the use of electronic invoices in France, Belgium and Netherlands.</p>
<p>When posting vendor and customer invoices after the tax authority has requested the SAF VAT invoice file, which is created for the the XML file for the specific period, vendor invoices are included unexpectedly.</p> <p>KB 3213392</p>	<p>The changes in the hotfix don't include vendor invoices on the SAF VAT invoices report.</p> <p><b>Important:</b> This hotfix contains one or more reports. Make sure that you have imported all your modified reports into the AOT, and then install the hotfix, and redeploy the reports.</p>



Description of issue or change request	Description of enhancement
<p>This hotfix describes the changes for the Polish SAF VAT report that are available in Microsoft Dynamics AX 2012 R3 for 2017.</p> <p>KB 3207921</p>	<p>The hotfix includes the new requirements for the Polish SAF VAT report.</p>
<p>A new feature provides an example integration to a fiscal service (EFR).</p> <p>KB 4013282</p>	<p>The feature includes an option for sending selected cash transactions to the fiscal service, receiving a fiscal response from the service, and printing an example confirmation document with the fiscal code.</p>
<p>Finland: Generic ISO20022 CredTrans FI format should include payment ID.</p> <p>KB 4014110</p>	<p>The hotfix supports xml elements taking reference from xml generated by using the services.</p>
<p>Some changes should be done to let possibility of setting up for TotaleOperazioniAttive, IvaEsigibile tags.</p> <p>KB 4024932</p>	<ol style="list-style-type: none"> <li>1. Add possibility of set up an order of tags not only in the particular report, but in the report setup in general</li> <li>2. Add possibility of "hide" technically needed tags in setup and in the report</li> <li>3. Add possibility to calculate Tax Base Amount without non-deductible amount</li> <li>4. CreditoAnnoPrecedente: should be reported only in January, not in the others; CreditoPeriodoPrecedente: should be reported only in the months 2,3,4,5,6,7,8,9,10,11,12, not in January.</li> </ol>
<p>NL – Dutch taxonomy version 11.3.</p> <p>KB 3210581</p>	<p>The hotfix includes updated xml taxonomy schemas for two reports: VAT (OB) declaration and ICP declaration (EU Sales lists) - version 11.0.</p>
<p>A new VAT return version was introduced in 2017. It includes 19 items, some of which are new, and some of which are revised from the current report.</p> <p>All periods for 2016 must be reported using current VAT return. New VAT return concerns transactions from January 1, 2017.</p> <p>KB 3163512</p>	<p>The changes in hotfix support the new format for the Norwegian VAT statement.</p>
<p>Posting is slow for Fixed assets depreciation journals that include many lines.</p> <p>KB 4010926</p>	<p>The hotfix includes a periodic function that creates depreciation journals for a specific number of lines. The maximum number of lines a depreciation journal can contain is user defined and is set using the <b>Periodic function</b> dialog on the <b>Fixed assets parameters</b> form.</p>

Description of issue or change request	Description of enhancement
<p>The document type Immediate Supply of Information (SII) customer invoices should cover summarized invoices.</p> <p>KB 4033507</p>	<p>The changes in the hotfix ensure that the SII customer invoices document type does cover summarized invoices.</p>
<p>Under new legislation in Spain (Real Decreto 596/2016, de 2 de Diciembre), a new VAT management system based on the publication of the Tax Registration Books is established through the AEAT Electronic Headquarters through the quasi-immediate supply of the records of billing.</p> <p>This legislation requires the following:</p> <ul style="list-style-type: none"> <li>• Maintenance of invoices registered with additional statuses for export/import.</li> <li>• Required input formats generation in XML.</li> <li>• Additional setup for automatic files sending and receiving.</li> <li>• Sending generated XML file.</li> <li>• Receiving a response XML file and appropriate update of invoices that were sent.</li> </ul> <p>KB 4025232</p>	<p>The hotfix adds new functionality to SII Register to support the new requirements. This functionality lets users to:</p> <ul style="list-style-type: none"> <li>• Set up specific SII web-service certificate that should be used to automatically transmit data directly to the Authority.</li> <li>• Set up additional parameters needed to automatically fill in the appropriate XML reports.</li> <li>• Maintain a register of invoices to support the process of transmission and re-transmission, and receiving a response the following schemas: Customer invoices, Vendor invoices, Intra-community invoices, Customer payments, Vendor payments.</li> <li>• Automatically generate and send XML reports to the SII system in the format of the following schemas: Customer invoices, Vendor invoices, Intra-community invoices, Customer payments, Vendor payments.</li> <li>• Automatically receive and interpret responses from the SII system.</li> <li>• Store and review all the transmitted and received XML reports.</li> </ul>
<p>The document type of Immediate Supply of Information (SII) customer invoices should cover summarized invoices.</p> <p>KB 4033507</p>	<p>The changes in the hotfix ensure that the SII customer invoices document type does cover summarized invoices.</p>
<p>A new regulatory feature addresses the generation Sped ECF layout version 3, applicable for the 2017 fiscal year.</p> <p>KB 4021026</p>	<p>The changes in the hotfix support compliance with the new legislation.</p>
<p>New Regulatory update: Generation of Block K in accordance with layout 010</p> <p>KB 3208195</p>	<p>New Regulatory update: Generation of Block K in accordance with layout 010</p>

Description of issue or change request	Description of enhancement
<p>The generation of Brazilian SPEC ECD was updated for layout 5.0.</p> <p>KB 4011513</p>	<p>The changes in the hotfix update the generation of Brazilian SPEC ECD for layout 5.0.</p>
<p>Federal State Rio Grande do Sul has passed a new law that changes how the tax base amount (related to ICMS DIF tax type) must be calculated when fiscal establishments are buying goods as fixed assets (or as a user and consumer).</p> <p>KB 3206588</p>	<p>The changes in the hotfix support compliance with the new legislation.</p>
<p>The new SPED LAYOUT includes the following changes, which take effect in January 2017:</p> <ol style="list-style-type: none"> <li>1. Record E200: Includes field 13</li> <li>2. Includes the field CHV_DOCe in records C113, E113, E240, 1210 e 1923</li> <li>3. Includes record E310</li> <li>4. Record C176, which includes fields 10 and 26</li> </ol> <p>KB 3205583</p>	<p>The changes in the hotfix support compliance with the new legislation.</p>
<p>Electronic ledger accounting statement includes the generation of Period 13 into the Trial Balance XML file.</p> <p>KB 3214515</p>	<p>Electronic ledger accounting statement includes the creation of Period 13 into the Trial Balance XML file.</p>
<p>The following country specific update for Mexico includes the generation of XML files for version 1.3</p> <ul style="list-style-type: none"> <li>• Trial Balance</li> <li>• Chart of Account</li> <li>• Journal</li> <li>• Accounting listing</li> </ul> <p>KB 4032152</p>	<p>The changes in the hotfix support compliance with the new requirements.</p>

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