Applying Web Core Update 04 for Version 8.4

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Introduction

Infor CRM is a leading customer relationship management solution that enables small to medium-sized businesses to acquire, retain, and develop profitable customer relationships through integrated Sales, Marketing, Customer Service, and Support automation solutions.

About this guide

This document describes Web Core Update 04 for Infor CRM version 8.4.

Prerequisites

The following Infor CRM software must be installed before installing this update:

- Infor CRM version 8.4
- 8.4 SNC Update 04

If you intend to install only the Core update, your environment must be configured to use the Virtual File System (VFS). If your environment is configured using the Local File System (LFS), you must also apply 8.4 Web Model Update 04, including the steps for updating and merging the tenant.config file.

For more information see the Applying Web Model Update 04 for Version 8.4 document
.

Do not install Web Core Update 04 for Infor CRM 8.4 on any other Infor CRM version.

Web Core Updates are cumulative. You do not need to install earlier Web Core updates before installing Web Core Update 04.

Additional considerations

- 8.4 Update 04 is not supported with any version of Sync for Exchange earlier than Sync for Exchange v1.0.2. If your implementation includes Sync for Exchange, you must upgrade to Sync for Exchange v1.0.2 and 8.4 Update 04 at the same time.

Contacting Infor

If you have questions about Infor products, go to Infor Concierge at https://concierge.infor.com/ and create a support incident.

If we update this document after the product release, we will post the new version on the Infor Support Portal. To access documentation, select **Search** > **Browse Documentation**. We recommend that you check this portal periodically for updated documentation.

If you have comments about Infor documentation, contact documentation@infor.com.

Chapter 1
Changes in this Update

1

This chapter lists all of the changes to Infor CRM since version 8.4.

Breaking Changes

This release contains breaking changes introduced in Web Core Update 04 and Web Model Update 04 for Infor CRM version 8.4.

- Web Core 04: The ActivityEditor.js and the HistoryEditor.js have been modified which may break customizations.
- Web Model 04: Web Client no longer uses the ActivityManager.aspx form, but instead now uses Activity.aspx.

Breaking Changes in Previous Releases

This update contains changes to the Sage.Platform.dll, introduced in Web Core Update 01 for Infor CRM version 8.4, which may cause customizations to not function properly.

The following methods were removed:

- public static IDbConnection CreateConnection(DbProviderFactory factory, string connectionString)
- public static IDbCommand CreateCommand(DbProviderFactory factory, IDbConnection connection)
- public static IDbCommand CreateCommand(DbProviderFactory factory, string commandText)
- public static IDbCommand CreateCommand(DbProviderFactory factory, string commandText, IDbConnection connection)

To modify customization methods
Any customizations that use these functions must be modified. Use the table below to replace the removed methods.

Removed Method	Replace with
IDbConnection CreateConnection(DbProviderFactory factory, string connectionString)	IDbConnection connection = factory.CreateConnection(); connection.ConnectionString = connectionString;
IDbCommand CreateCommand(DbProviderFactory factory, IDbConnection connection)	IDbCommand cmd = factory.CreateCommand(); cmd.Connection = connection;
IDbCommand CreateCommand(DbProviderFactory factory, string commandText)	IDbCommand cmd = factory.CreateCommand(); cmd.CommandText = commandText;
IDbCommand CreateCommand(DbProviderFactory factory, string commandText, IDbConnection connection)	IDbCommand cmd = factory.CreateCommand(); cmd.CommandText = commandText; cmd.Connection = connection;

If you apply this update without modifying your customizations your customizations may no longer function.

Features added in this update

This section lists the features available in each update and indicates the type of update (SNC, Core, or Model) required, as well as any additional pieces required to fully install the feature.

Web Core Updates are cumulative, so Web Core Update 04 for Infor CRM 8.4 contains features released in previous updates.

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
8.4.0.04						
Web Client						
	Ability to associate multiple records to an activity, including: contacts, accounts, opportunities, tickets, and leads and now sales orders, quotes, campaigns, returns, and defects.	x	x	x		
	Ability to associate multiple records with a note, including: contacts, accounts, opportunities, tickets, and leads and now sales orders, quotes, campaigns, returns, and defects.	x	x	x		
	Fanning out recurring activity occurrences.	x	x	x		
	Activities list view supports groups and standard list view features.	x	x	x		
	New CRM Workflows provide configurable automated email notifications based on updated CRM content.	x	x	x		
	REST API Swagger docs for SDATA.	x	x	x		
	Icons upgraded to the Uplift icon set.	x	x	x		
	Discontinuing the support of subqueries, by providing new out-of-the-box query parameters to replace subqueries and the ability for customers to create and manage their own custom query parameters.	x	x			
	Out-of-the-box date parameters allow for queries based on dynamic timeframes.	x	x			
	Secured Actions ■ Administration/SwaggerAPI/View	x	x			

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
Application Architect	■ New properties for allowing entities and parent entities to be associated with activities and notes ■ New property for allowing entities, relationships, or properties to be included in the CRM Workflow content Enabled entities define the set of entities enabled for CRM Workflows. Enabled relationships and properties define the set of CRM entity properties and related entity properties automatically populated into the CRM Workflow Properties tab.					
Windows Client	Administrator ■ New Office Financial Settings tab to support new Query Builder date parameters. ■ New Office Groups tab to support the ability to secure groups from subqueries. Query Builder ■ Discontinuing the support of subqueries, by providing new out-of-the-box query parameters to replace subqueries and the ability for customers to create and manage their own custom query parameters. ■ Out-of-the-box date parameters allow for queries based on dynamic timeframes.					

Features added in previous updates

Updates are cumulative. This section lists the features added in previous Infor CRM Updates for version 8.4.

Infor CRM v8.4.0.03 Features

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
8.4.0.03						
Web Client						
	Refreshed user interface	x	x	x		
	Quotas and Forecasting	x	x	x		

	■ New Quota and Forecast views allow management of sales goals and tools to measure performance towards those goals.
	■ Users with the appropriate access may:
	  ■ View, add, and manage quotas
	  ■ View, add, and manage forecasts					

	■ Forecast Pipeline displays opportunity pipeline information segmented by criteria such as manager, country, or product.					
	■ Opportunity Forecast Dashboard - enables users to see opportunity pipeline analytics in the form of charting and list widgets.					

	■ New Opportunity groups:
	  ■ Forecasted to Close in 30 Days or less
	  ■ Forecasted to Close in 30 to 60 days
	  ■ Forecasted 61 Days or more					

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
	For Back Office implementations					
	■ Enhancements for two-way Sales Order support with Cloud Suite Distribution (CSD) includes:	x	x	x	x	
	■ CRM based manual override of Shipping Charges ■ CRM based manual price overrides					
	■ Enhanced Quote, and Sales order, integrated snapshot summary	x	x	x	x	
	■ Enhanced M3 ProcessQuote BOD content	x	x	x	x	
	Administration					
	■ The User import automatically maps the user fields, so you no longer need to select a template or map fields.	x	x	x		
	■ New Financial Settings tab on the Office Profile to set options for Fiscal Year and Forecast and Quota periods.	x	x	x		
	Custom Settings					
	■ List view performance-related custom settings	x	x			
	■ GroupListBufferRows • The number of rows to keep ready on each side of the viewport area so that the user can perform local scrolling without seeing the grid being built. • Increasing this number can improve perceived performance when the data is being retrieved over a slow network. ■ GroupListFarOffRemoval • Defines the minimum distance (in pixels) from the visible viewport area rows must be in order to be removed. • Setting to Infinity causes rows to never be removed.					
	■ GroupListMaximumRowsPerPage • The maximum number of rows to request at one time. ■ GroupListMinimumRowsPerPage • The minimum number of rows to request at one time.					

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
	■ GroupListPagingDelay • Indicates the delay (in milliseconds) imposed upon paging method, to wait before paging in more data on scroll events. • This can be increased to reduce client-side overhead or the number of requests sent to a server. ■ GroupListPagingMethod • Method (from dgrid/util/misc) to use to either throttle or debounce requests. • Default is "debounce" which will cause the grid to wait until the user pauses scrolling before firing any requests. • Can be set to "throttleDelayed" instead to progressively request as the user scrolls, which generally incurs more overhead but might appear more responsive.					
	■ GroupSummaryBufferRows • The number of rows to keep ready on each side of the viewport area so that the user can perform local scrolling without seeing the grid being built. • Increasing this number can improve perceived performance when the data is being retrieved over a slow network. ■ GroupSummaryFarOffRemoval • Defines the minimum distance (in pixels) from the visible viewport area rows must be in order to be removed. • Setting to Infinity causes rows to never be removed.					
	■ GroupSummaryPagingDelay • Indicates the delay (in milliseconds) imposed upon pagingMethod, to wait before paging in more data on scroll events. • This can be increased to reduce client-side overhead or the number of requests sent to a server. ■ GroupSummaryPagingMethod • Method (from dgrid/util/misc) to use to either throttle or debounce requests. • Default is "debounce" which will cause the grid to wait until the user pauses scrolling before firing any requests. • Can be set to "throttleDelayed" instead to progressively request as the user scrolls, which generally incurs more overhead but might appear more responsive.					

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
	■ Back office integration custom settings	x	x	x		
	■ Read Only Quote On Promotion Set to True to prevent the modification of quotes for host systems like CSD, which do not support the promotion of updated CRM Quote content. ■ Block Quote For Non-Promoted Records Set to True to prevent the promotion of new quotes for host systems like CSD, which do not support the promotion of CRM quote content. ■ Block Quote For Promoted Records Set to True to prevent the promotion of updated quote content for host systems like CSD, which do not support the promotion of updated CRM quote content. ■ Read Only Sales Order On Promotion Set to True prevents the modification of promoted sales order content for host systems like CSD, which do not support the promotion of updated CRM Sales Order content. ■ Block Sales Order For Promoted Records Set to True prevents the promotion of modified sales order content for host systems like CSD, which do not support the promotion of updated Infor CloudSuite CRM Sales Orders.					
	■ Display snapshot shipping summary Set to True to display Shipping information in the Sales Order snapshot. The default value is False. ■ Include ERP Freight Rates Set to False to disable the CSD Freight Rate Shopping functionality for Infor CloudSuite CRM based Sales Orders. The default value is True. ■ Freight Reason Code Implementation-specific distributed charge freight reason code corresponding to the CSD-based CRM Freight Addon reason code.					
	Roles					
	■ Quotas & Forecasting Allows users to view quotas and view and manage forecasts.	x	x	x		
	■ Quota Management role Allows users to create and manage quotas.	x	x	x		

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
	Secured Actions					
	■ Quotas and Forecasting	x	x	x		
	■ Entities/Forecast/Add • Allows the user to add forecast records. • This secured action is automatically included in the Quotas & Forecasting role. ■ Entities/Forecast/Delete • Allows the user to delete forecast records. • This secured action is automatically included in the Quotas & Forecasting role. ■ Entities/Forecast/Edit - • Allows the user to edit forecast records. • This secured action is automatically included in the Quotas & Forecasting role. ■ Entities/Forecast/View • Allows the user to access forecast views and records. • This secured action is automatically included in the Quotas & Forecasting role. ■ Entities/Quota/View • Allows the user to access quota views and records. • This secured action is automatically included in the Quotas & Forecasting and Quota Management roles. ■ Entities/Quota/Add • Allows the user to add quota records. • This secured action is automatically included in the Quota Management role. ■ Entities/Quota/Delete • Allows the user to delete quota records. • This secured action is automatically included in the Quota Management role. ■ Entities/Quota/Edit • Allows the user to edit quota records. • This secured action is automatically included in the Quota Management role.					

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
	■ Back Office integration	x	x	x		
	■ Entities/SalesOrder/OverridePricing • Allows the user to override the adjusted Sales Order unit price when editing a product. • This secured action is automatically included in the Standard User and Order and Quote Processor roles. ■ Entities/Quote/OverridePricing • Allow the user to override the adjusted Quote unit price when editing a product. • This secured action is automatically included in the Standard User and Order and Quote Processor roles. ■ Entities/SalesOrder/EditShippingCharge • Allows the user to override the shipping charge. • This secured action is automatically included in the Standard User and Order and Quote Processor roles. ■ Entities/Quote/EditShippingCharge • Allows the user to override the shipping charge. • This secured action is automatically included in the Standard User and Order and Quote Processor roles.					
Application Architect	No new features					
Windows Client	No new features					

Infor CRM v8.4.0.02 Features

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
8.4.0.02						
Web Client						
	Marketo Partitioning Marketo Partitions is an optional feature within a Marketo integration. When enabled, Marketo Partitions enables a contact or lead (defined by email address) to be listed as many times as there are partitions. This allows different marketing teams to market to the same person while tracking results independently.	x	x	x		

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
	For more information, please refer to the *Configuring Marketo Integration for the Infor CRM WebClient.pdf* document.					
	For Back Office implementations:					
	New Custom Setting for "Contact Account Management Enabled". When enabled, this custom setting instructs the inbound processor to cascade changes to the account's account manager to the account's related contacts.	x	x			
	New Custom Setting for "Publish All Addresses". When enabled, this custom setting allows the outbound processor to publish multiple addresses. To publish only the primary address this custom setting must be set to False.	x	x	x	x	
	New Custom Setting for "Integrated Primary Contact indicator". The Primary contact indicator is no longer displayed on the Contact details page if your administrator has enabled "Integrated Primary Contact Indicator" in the Back Office Extension, Options tab. The new primary contact flag may be observed in the Contact, Account Associations tab or in the Account, Contact Associations tab. Changes to the primary contact must be made in the Account, Contacts Associations tab grid.	x	x	x	x	
	For Sync for Exchange implementations:					
	(Sync for Exchange only) New Sync for Exchange integration custom setting "Complete Exchange Appointments", is disabled by default, but when enabled synchronizes all completed appointment between Infor CRM and Exchange.	x	x			
	(Sync for Exchange only) Updated the Sync for Exchange integration custom setting "Notify Members of Completion" to be disabled by default. When enabled, activity members are notified when an activity is completed.	x	x			
Application Architect	No new features					
Windows Client	No new features					

Infor CRM v8.4.0.01 Features

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
8.4.0.01						
Web Client	New Help About box: ■ In 8.4 and earlier, the Help>About displayed a page in the Web Client online Help that showed the version number. Now that help is hosted separately from the product, the product requires a Help>About box to ensure the accurate version number is available.	x	x	x		
	New Office Profiles Privacy tab allows Administrators to share anonymous usage data with Infor. Selecting this check box is optional. Data gathered will help Infor improve the product.	x	x	x		
	Performance improvement: ■ Inserting and updating GroupStaistics now uses the NHibernate IStatelessSession.	x	x			
	Contour ■ Updated Google API key ■ About tab provides information about the Contour feature.	x	x	x		
	When creating a new contact, the Do not Solicit, Do not Email, Do not Call, Do not Mail, and Do not Fax fields are now selected by default. These check boxes will be selected when viewing the contact's detail view. This change was made to provide a process to support compliance with GDPR. This only applies to new contact records. Settings for the Do not Solicit check box and sub-check boxes for contact records for customers in the system prior to upgrading to Infor CRM v8.4.0.1 are not impacted.	x	x			
	For Back Office implementations:					

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
	Promotion Failure Notifications ■ When Infor CRM is integrated with a supported ERP system, if an update made by Infor CRM is rejected by the ERP, the user is now notified that the update has failed. ■ A Ming.le task can be generated to the user who last worked on the record. ■ An email can be sent and the task escalated if it is not assigned or completed. ■ Auto cancellation of outstanding task is possible if an attempt is made to sync data. ■ These actions do not impact the record itself.	x	x	x		
	Two Way Quotes and Sales Orders ■ When Infor CRM is integrated with a supported ERP system, Infor CRM Web Client users who are creating a Sales Order will see the Order location defined using the term that matches the location used by the ERP: Warehouse, Site, or Office. Product selections will be based on ERP: Warehouse, Site, Office, or Logical ID. ■ In an integrated environment, the Products now includes a location lookup and filtered product lookups.	x	x	x	x	
	ION Workflow Enhancements ■ The following features have been added to support creating new ION Workflows: ■ Users with appropriate permissions can create new workflows by copying and editing existing workflows. ■ New workflows created by copying are automatically given a unique workflow name. ■ New workflows are set to inactive and the auto trigger is set to false by default.	x	x	x		

Application	Feature	Requires				
		SNC	Core	Model	BOD Pack	Infor Ming.le
Application Architect	No new features					
Windows Client	No new features					

See the “What’s New in this Release” topic in the online Help systems for more information about the new features.

Issues fixed in this update

Web Core Update 04 for Infor CRM version 8.4 addresses the following issues:

All defect descriptions apply to the Infor CRM Web Client unless the defect description specifically states otherwise.

Defect	Description
INFORCRM-13096	When performing a contact or account import, custom fields are not available to map and do not appear as part of the import process.
INFORCRM-17463	In a Chrome browser, Library tree items are not listed in alphabetical order.
INFORCRM-20177	In an environment where the Job Server has localized regional settings, when exporting a record with a date/time field, the string value is not recognized as valid.
INFORCRM-20183	Update the Integrating Infor CRM with Infor Ming.le - Infor Ming.le Clouds Edition and Integrating Infor CRM with Infor Ming.le - Infor Ming.le On-premises Edition guides on the Support Portal
INFORCRM-20640	Copying a group that contains the literal condition (Ticket.Assignedtoid in :TICKETASSIGNLIST) results in an error.
INFORCRM-21356	A query ordered by OrderNumber against the Quote table results in a table scan which causes performance issues.
INFORCRM-22490	In a Sync for Exchange integrated environment, when a person is added as a participant to an activity after it has synced, that person does not receive a notification or the activity in Exchange.
INFORCRM-22934	Once a customer is logged out of Customer Portal they are unable to log back in.
INFORCRM-23089	In a Simplified Chinese environment, the Sales Process date format is incorrect.. The correct date format is Year/Month/Day.
INFORCRM-23090	In a Simplified Chinese environment, on the Return detail view, the date format is incorrect.
INFORCRM-23092	In a Simplified Chinese environment, on the Package detail view, the date format is incorrect.
INFORCRM-23093	In a Simplified Chinese environment, on the Literature detail view, the date format is incorrect.
INFORCRM-23094	In a Simplified Chinese environment, on the Sync History detail view, the date format is incorrect.
INFORCRM-23095	In a Simplified Chinese environment, on the Outbound Summary view, the date format is incorrect.
INFORCRM-23154	In a localized environment, on the Select Import Action step, the dialog box that displays after clicking Define next to Add Comment, contains uer interface issues and in Simplified Chinese, the date format is incorrect.
INFORCRM-23316	On the Activities list view, expanding the Leader filter generates multiple queries to APPIDMAPPING table, one for each leader listed.
INFORCRM-23398	(ICBOE) Implement the GetOrderTotal price service to map the array of DistributedCharges and the array of DistributedTaxes to the Infor CRM DiscountChargeItem child collection of SalesOrder and the child collection of Quote.

Defect	Description
INFORCRM-23443	(ICBOE) The OpportunityOrderLineTotal template ShipFromPartyWarehouseLocationID mapping is incorrect.
INFORCRM-23444	(ICBOE) The QuoteOrderLineTotal template ShipFromPartyWarehouseLocationID mapping is incorrect.
INFORCRM-23445	(ICBOE) Setting the Read Only Sales Order on Promotion custom setting to True should prevent any change in CRM once the record is promoted.
INFORCRM-23451	(ICBOE) In an integrated environment with Price and Availability implemented, the EditSalesOrderItem form's price should update the SalesOrderItem.DocTotalAmount with the same value as SalesOrderItem.DocExtendedPrice.
INFORCRM-23507	The Account Hierarchy dialog box tabs should use the same colors as the rest of the Web Client.
INFORCRM-23517	In an Oracle environment, the groups, Forecasted 61 Days or More and Forecasted to Close in 30 to 60 days do not load.
INFORCRM-23523	Remove cross site scripting vulnerabilities in the Notes/History and Actiity views.
INFORCRM-23544	(ICBOE) In an SX.e integrated environment, the Shipping Amount is not added to the quote or sales order Discount Charges tab.
INFORCRM-23566	(ICBOE) In a Visual integrated environment, SyncCodeDefinition BODs containing descriptions with a languageID attribute value of "system" return a CultureNotFoundException error because "system" is not a valid .Net culture name.
INFORCRM-23568	In Query Builder, the Use Value As a Literal does not function as expected.
INFORCRM-23582	(ICBOE) In an environment with Price and Availablilty enabled, the Sales Order Refresh pricing tasklet fails to capture OrderTotal content when the response packet includes DistributedCharges or DistributedTaxes content.
INFORCRM-23593	Implement Swagger API doucmentation capabilities.
INFORCRM-23600	(ICBOE) In an integrated environment with Price and Availablilty enabled, the Sales Order integrated shipping dialog box hangs between updating the Sales Order record and completing the automatic OrderTotal price service request.
INFORCRM-23604	(ICBOE) In an integrated environment, when copying an existing sales order, a "Missing required value: Warehouse" error occurs even though the warehouse field contains a value.
INFORCRM-23606	(ICBOE) In a CSD integrated environment, comments on a promoted CRM sales order will appear as notes in CSD, but once the CSD order syncs back to CRM, the order comments field is blank. The ERP details note field is also blank.
INFORCRM-23610	When scheduling a Personal Activity the dialog box title is To-Do, not Personal Activity.
INFORCRM-23629	(ICBOE) In an integrated environment with Price and Availability enabled, the shipping value based on a freight reason code of 'Freight Out' is missing from the Sales Order Snapshot summary
INFORCRM-23643	(ICBOE) In an integrated environment with Price and Availability enabled, automatic pricing of new product lines should not impact pre-existing products with manual price overrides.
INFORCRM-23644	(ICBOE) In a Visual integrated environment with Master Data Consolidation enabled, the promotion of a new account to results in a promoted account in CRM with a null ErpLogicalId value.

Defect	Description
INFORCRM-23661	(ICBOE) In an integrated environment, dynamic SlxLocation generation creates duplicate related Site Location records.
INFORCRM-23668	Update the Web Client help with topics for multi-regional picklists.
INFORCRM-23686	(ICBOE) In a Visual integrated environment with Master Data Consolidation enabled, dynamic generation of the SlxLocation UniqueID values from quotes and sales orders does not honor Master Data Consolidation resulting in duplicate SlxLocation records.
INFORCRM-23687	(ICBOE) In a Visual integrated environment with Master Data Consolidation enabled, duplicate Visual sites are generated by multi-thread SyncItemMaster BODs.
INFORCRM-23688	Export to Excel does not format numeric fields correctly.
INFORCRM-23692	(ICBOE) In a Visual integrated environment with Master Data Consolidation enabled, the SalesPersonReference logic should honor the BOE Master Data Consolidation configuration setting when dynamically generating new related ERPPerson records.
INFORCRM-23712	Remove the text "Infor CRM" from the left navigation pane
INFORCRM-23722	(ICBOE) In an integrated environment the Freight calculation is incorrect if the pricing service is requested from the task pane via either Refresh Total or Refresh Pricing. In addition after promoting an order with a freight change the incoming sync BOD will add a duplicate discount charge item.
INFORCRM-23727	In an Xbar environment, contact records do not synchronize in both directions between Outlook and CRM.
INFORCRM-23734	In a Sync for Exchange environment, when a CRM user, who is configured to sync, is added to an activity in CRM that user does not receive a notification or the activity in their Outlook mailbox.
INFORCRM-23736	In the Campaign Lookup Targets dialog box, the Lookup Targets and Add from Groups tabs are colored white on a white background, making them appear to be missing.
INFORCRM-23811	Creating multiple duplicates of the same contact causes an error to occur.
INFORCRM-23814	On the Account and Contact detail views, on the Details tab, the Time Zone drop down list does not contain any values.
INFORCRM-23936	Update the Web Client help topic "Configuring Contour Integration" for Bing API key changes.
INFORCRM-23945	When creating a note and associating a contact, the wrong account is automatically associated.
INFORCRM-23989	The Quota, Forecast and Forecast Pipeline out-of-the-box groups are not marked as Favorites for newly created users.
INFORCRM-24046	Ming.le Integrated user records are orphaned when the temporary user is deleted.
INFORCRM-24061	Under certain conditions, exporting records that are filtered by a date field may fail.
INFORCRM-24108	After typing an integer ending in one or more zeros in a currency field set to display no decimal digits, the 0 are removed automatically.
INFORCRM-24110	(ICBOE) In an integrated environment, under certain conditions duplicate accounts with different ERPUNIQUE IDs exist.
INFORCRM-24224	Update Integrating Infor CloudSuite CRM with Infor Ming.le documents with updated steps for adding and creating contextual applications.

Defect	Description
INFORCRM-24298	When exporting records, unformatted numbers are automatically formatted as date/time in Excel.
INFORCRM-24334	(ICBOE) In an integrated environment with Price and Availability enabled, under certain conditions, when Refresh Pricing is requested for sales order the following error is generated "Received an invalid/empty response from PA service".
INFORCRM-24335	When performing a multi-record delete on a custom entity group, all records in the group are deleted, not just the selected records.
INFORCRM-24364	Under certain conditions, exporting group records as Standard CSV or Tab Delimited stops at 0%.
INFORCRM-24413	When a contact's or lead's name is changed, if the contact or lead is an attendee for an activity, the name should be updated on the Attendees tab
INFORCRM-24422	Exporting a group to CSV puts all information in the first column.
INFORCRM-24434	(ICBOE) In an integrated environment with Price and Availability enabled, if the price is adjusted to 0, the pricing service override does not work.
INFORCRM-24448	When a record is deleted, the activity should only be deleted if the record being deleted is the last association that exits. If any other association exists, only remove the association to the entity being deleted.
INFORCRM-24472	(ICBOE) In an integrated environment with Price and Availability enabled, if a sales order contains a ship to with a status other than Open, then the following validation exception message should display "The associated sales orders Ship To status, {0}, is invalid. Please assign a valid Ship To in order to continue pricing requests."
INFORCRM-24541	In Infor CRM 8.4 update 03, groups containing conditions with literal values cannot be parsed.
INFORCRM-24550	Exported date and numeric fields should be left aligned instead of right aligned
INFORCRM-24652	Update Web Client help topic, "Integrations Options Tab" , for Marketo URL change

Issues fixed in previous updates

Web Core Updates are cumulative, so Web Core Update 04 for Infor CRM 8.4 contains fixes released in previous updates.

Web Core Update 03 for Infor CRM version 8.4 addresses the following issues:

All defect descriptions apply to the Infor CRM Web Client unless the defect description specifically states otherwise.

Defect	Description
INFORCRM-11612	(ICBOE) Date only BOD content should not be modified by the UTC to local timezone conversion logic.
INFORCRM-16245	When loading the Welcome page there are a high number of requests which may negatively impact performance.
INFORCRM-17780	The Quote and SalesOrder business rules should be updating a null price or null Extended price based on the corresponding base current based values contained in the CalculatedPrice property.
INFORCRM-18289	If a Query Builder Condition contains invalid criteria an exception error occurs after closing Query Builder.
INFORCRM-19161	The Web Client help topic "Merging Records" needs to be updated with additional information.
INFORCRM-20359	When adding a new role to an existing user in CRM, the User Sync Security Master BODs are not being generated.
INFORCRM-20528	In Query Builder, invalid SQL generated by Query Builder causes a group to stop working.
INFORCRM-20531	In Application Architect, when creating a manifest by differences the bundle creation fails when null byte issues occur.
INFORCRM-20552	The Job Service crashes when there is an unhandled exception.
INFORCRM-20973	The list view for a custom entity only displays the first 100 records.
INFORCRM-21026	Groups with SQL that cannot be parsed should not be saved.
INFORCRM-21089	When adding resources or members to an activity Availablilty tab, the Location should be blank, not "False" if a location does not exist.
INFORCRM-21109	The Form Manager list view does not display the full list of forms.
INFORCRM-21111	ADDRESS_INTEGRATION_INSERT trigger includes an unnecessary UPDATE ADDRESS statement.
INFORCRM-21123	When activities are synchronized to Microsoft Outlook by Sync for Exchange or Xbar, the activity notes are truncated.
INFORCRM-21154	On the Insert Opportunity view, when adding a new product the Retail values are replaced with Wholesale values.
INFORCRM-21303	To circumvent NHibernate clearing all of its caches causing the VFS to reload frequently, \Model and \Configuration should use the HashtableCacheProvider by default.
INFORCRM-21352	(ICBOE) In an integrated environment, an Outbound is not triggered for a contact if the contact is updated through the associated account.
INFORCRM-21354	(ICBOE) In a Visual integrated environment, Process BOD(s) are rejected based on their case sensitive validation for the published tenant to be 'infor' not 'INFOR' as specified in the Back Office Extension Custom setting for Tenant.

Defect	Description
INFORCRM-21480	In Query Builder, selecting the Entity Linked option does not work correctly if a field contains underscores in the field name.
INFORCRM-21572	On the Opportunity detail view Products tab, products configured in CPQ are missing links to CPQ.
INFORCRM-21593	When performing a bulk update to update the Account Manager on multiple records, only the first record is updated.
INFORCRM-21637	When quickly scrolling through a group containing at least 40,000 records the list remains blank for several seconds before displaying additional results.
INFORCRM-21677	(ICBOE) The Job Server may stop processing ItemMasters BODs.
INFORCRM-21990	(ICBOE) In an integrated environment, the ERP-SX and/or the corresponding MT-CSD (Cloud Suite Distribution) based Rhythm AvailableToPromise price service returns a value of 1 in cases where it should return a value of zero items available.
INFORCRM-22048	When quickly scrolling through a group containing at least 200,000 records and filter is applied the list remain blank for several seconds before displaying additional results.
INFORCRM-22159	Running SpeedSearch indexes may cause the error "Not enough storage is available to process this command."
INFORCRM-22175	(ICBOE) The "Warn BOE Jobs - AddOwnerMapping stops processing the OwnerId attribute since an owner is not found" warning in the Event Log appears to be a false positive error since the SECCODE is updated correctly in the account record that is causing this warning.
INFORCRM-22235	In an Oracle database, when using a virtual file system, it takes a very long time to build and deploy.
INFORCRM-22259	The Applying Web Core Update 03 for Version 8.4 document was updated to include Master Data Consolidation in the Running the Conversion Utility section.
INFORCRM-22285	Comma separators between phone number and extension are deleted in the Web client.
INFORCRM-22330	In a Mobile environment only the data for 100 account managers is included in the Total Accounts KPI.
INFORCRM-22353	(ICBOE) Failure to account for UnicodeTextDataType vs TextDataType may cause errors.
INFORCRM-22358	If a groups has the Return Distinct Rows Only option selected, any applied filters do not work and no results are returned.
INFORCRM-22380	In a Marketo integrated environment, changes made to leads or contacts in Marketo are not synchronizing to Infor CRM.
INFORCRM-22394	In Query Builder, if a pick list value is too long it does not display correctly on the Assign Condition screen. The text is truncated, which means if similar values are listed, the user cannot tell which one is correct.
INFORCRM-22404	(ICBOE) In an integrated environment, the system of record (SOR) back office should accept the process BOD sent by the subscriber even if it does not contain an IDs/ID element with the Action Code Add.
INFORCRM-22405	(ICBOE) In an integrated environment, the system of record (SOR) back office should send Address element type as<Address type="Text" languageID="en-US"> in SyncCustomerPartyMaster / SyncContactMaster BODs.

Defect	Description
INFORCRM-22434	When creating a trigger condition for the Activity Entity, and using the Description field as the filter, the picklist shown is "Regarding Meeting" and there is no way to access other activity type Regarding picklists which contain different picklist items.
INFORCRM-22441	When Contour integration is not implemented, the Address map link should open using Google maps.
INFORCRM-22492	When updating a contact address that matches an account address that was updated, the Country Code is not updated,
INFORCRM-22592	Executing Marketo jobs cause Access token expired errors.
INFORCRM-22607	(ICBOE) Running the Conversion Utility tool for Master Data consolidation for Variation ID Logic does not update the Variation IDs in AccountAccountingEntity table.
INFORCRM-22611	(ICBOE) In an integrated environment, records created in the integrated product are not synchronized to Marketo.
INFORCRM-22647	In a Marketo integrated environment, when synchronizing account records with data in the Address ID, but the referenced data does not exist in the Address table to Marketo, the Marketo Job goes into “Blocked” Status.
INFORCRM-22663	In the Application Architect, creating a new package causes an exception error.
INFORCRM-22666	In a German environment only the activity leader can open an activity.
INFORCRM-22686	Customer Portal stops working when attempting to save information.
INFORCRM-22700	In a Marketo integrated environment, qualified leads from Marketo are not synchronizing to Infor CRM. When running the PULL MARKETO PEOPLE job the error message "Object reference not set to an instance of an object" occurs.
INFORCRM-22701	Selecting a group, which is not specified as a favorite group, from the list view Groups list, should display the associated list of records in the 'Lookup Results' tab.
INFORCRM-22717	In a Marketo integrated environment, updates to the Marketo fields Urgency, and Engagement do not synchronize to Infor CRM.
INFORCRM-22741	If an account or contact group containing condition is filtered, and then Show on Map is selected, an error occurs.
INFORCRM-22763	Remove the help topic for Hidden Fields because hidden fields are not available in the Web client.
INFORCRM-22768	An autodiscover error displays after selecting Verify Connectivity button for the Sync for Exchange Integration
INFORCRM-22780	In a Sync for Exchange integrated environment, an Autodiscover error occurs during synchronization.
INFORCRM-22783	In a Sync for Exchange integrated environment, a job Service error occurs when synchronizing activities.
INFORCRM-22791	If the SalesLogix Server is unavailable before the PersistentSessionSecurityTokenCache is initialized the persistent SSO cache will fail.
INFORCRM-22796	If the Save attachments with E-mail message option is selected within the Administrator, dragging and dropping E-mails that contain attachments should be saved within the MSG file not saved separately.
INFORCRM-22842	On a Mobile client, some users are unable to successfully perform a Distance Search.

Defect	Description
INFORCRM-22849	(ICBOE) In an integrated environment, when the CustomerPartyMaster tag is included in a BOD for an address, it will cause the address to be ignored.
INFORCRM-22856	In the Saleslogix Job Server service, Transport Layer Security (TLS) version 1.2 should be enabled.
INFORCRM-22869	The IONOutOfOrderRefCleanUpJob_Description Message should be changed to: "Job that periodically deletes unprocessed BOD's as a result of BOD's being processed out of sequence, this may have occurred as a result of the job server timing out. The Time-out duration is configurable."
INFORCRM-22870	In a Marketo integrated environment, when a value exceeds length of field and data is truncated, a data truncation error should occur.
INFORCRM-22874	In a Marketo integrated environment, null values synchronized to Infor CRM cause errors to occur in Infor CRM.
INFORCRM-22877	In a Marketo integrated environment, Infor CRM should implement more matching criteria to prevent creating duplicate records.
INFORCRM-22911	When a field marked as ISHIDDEN = 'T' in SECTABLEDEFS in the Database Manager, the fields of that table will not display in the Web Client Query Builder JOIN EDITOR dialog.
INFORCRM-22955	(ICBOE) In an integrated environment, converting an opportunity to a quote or sales order, does not carry over the warehouse values to the new quote or sales order created.
INFORCRM-22957	(ICBOE) In an integrated environment, if the BACKOFFICEMAPPINGVIEW query returns NULL or an empty string for some fields, the call to Saleslogix.Integration.BOE.Common.Cache.GetBODMapping() may fail.
INFORCRM-22964	(ICBOE) In an integrated environment, the unit of measure for a new sales order item should be set to the product's default unit of measure.
INFORCRM-22978	(ICBOE) In an integrated environment, the Initial OrderLineTotal request packet is missing product UnitCode content.
INFORCRM-22982	(ICBOE) In an integrated environment with Price and Availability configured, the SalesOrder.IncludeErpFreight default value should be editable.
INFORCRM-23002	In the Activities list view there should be options to snooze all or dismiss all activity alarms.
INFORCRM-23129	(ICBOE) In a Polish and integrated environment, on the Quote detail view, refreshing pricing does not update the Quote Snapshot and causes an error to display.
INFORCRM-23210	Update the Web Client references to Infor Xtreme to reference Concierge.
INFORCRM-23230	(ICBOE) In an integrated environment with Price and Availability enabled, pricing requests should ignore products if the Override Pricing option is set to True.
INFORCRM-23289	The Contour Google API key needs to be updated.
INFORCRM-23291	On the Notes/History tab, the Show More link should display all the remaining text.
INFORCRM-23312	If a group includes columns from a joined table, scrolling through the group does not return any data.
INFORCRM-23320	(ICBOE) In an integrated environment, copying an opportunity with an assigned Warehouse causes the error "Missing required value : Warehouse".
INFORCRM-23334	(ICBOE) Inbound SyncCustomerPartyMaster BODs are failing.

Defect	Description
INFORCRM-23342	(ICBOE) In an integrated environment with Price and Availability configured, pricing multiple lines (products) may result in invalid ItemPrice Units of Measure (UOM).
INFORCRM-23395	On the Opportunity detail view, Products tab, when the Adj. Price (Base) is manually changed in the grid, the Adj Price changes to 0.00.
INFORCRM-23400	Update the Importing Users help topic to remove references to selecting a template and mapping as these steps do not apply to importing users.
INFORCRM-23553	Dates in list view and tab grids display dates one day earlier than the actual date.

Web Core Update 02 for Infor CRM version 8.4 addresses the following issues:

All defect descriptions apply to the Infor CRM Web Client unless the defect description specifically states otherwise.

Defect	Description
INFORCRM-9560	The Web Client hep topic "Troubleshooting Common Issues" was updated to include a statement that Infor CRM does not support date time values in milliseconds.
INFORCRM-15568	(ICBOE) In a Visual integrated environment, when sending new accounts and contacts from Visual, the contact identified as primary is not identified as the primary contact in Infor CRM.
INFORCRM-16685	An out of date JQuery causes a security vulnerability.
INFORCRM-17180	In the Application Architect Install Bundle (Select Items) view, selecting the option to Preserve Merged Content when installing a VFS bundle causes the Application Architect to stop functioning.
INFORCRM-18299	Parameters need to be encoded to prevent cross-site scripting vulnerability.
INFORCRM-18396	(ICBOE) In an integrated environment when two or more matching records exist, the Outbound processor fails with an exception error and no Merge or Profile Create BOD's are created.
INFORCRM-19156	Custom Security Profiles added in the Administrator are not applied automatically in the Web Client. Users will see an exception error when navigating to an affected view until an IIS reset is performed.
INFORCRM-19994	When a non-administrative user adds Area/Category/Issue, the Create User and Modify User display the user's ID instead of the user's name.
INFORCRM-20089	Addressed potential security vulnerability,
INFORCRM-20098	Custom lookups added to the Schedule an Activity form do not work.
INFORCRM-20168	(ICBOE) In a Visual integrated environment, a contact record may only contain one address. If an Infor CRM contact contains two or more addresses and the contact is promoted, the outbound processs fails to process.
INFORCRM-20196	(ICBOE) In an integrated environment, when deleting more than 1000 ERPBillTOACCOUNT records the error "ORA-01795: maximum number of expressions in a list is 1000" may occur.
INFORCRM-20367	In the Job Manager Definitions tab some jobs do not have descriptions.
INFORCRM-20454	In a Ming.le environment with the Akamsi accelerator enabled, the Ming.le Ws-Fed authentication fails.

Defect	Description
INFORCRM-20477	In a Ming.le environment, users pushed from Ming.le are created in Infor CRM without their First Name and Last name, but the inbound BOD contains this information.
INFORCRM-20478	In the Application Architect, SQL commands that include CREATE TRIGGER cannot be combined with other commands.
INFORCRM-20492	In a Marketo integrated environment, some Marketo data is not synchronizing from Marketo to Infor CRM.
INFORCRM-20493	(ICBOE) In an integrated environment, if a record is promoted and deleted before the outbound job can process it, any other promoted records will not be sent even though their records do still exist.
INFORCRM-20495	When a ValueContract Remaining value is calculated it only includes the cost of labor, not the cost of parts.
INFORCRM-20561	Exporting a group that contains the same field more than once exports the file to Excel or CSV with that field list only once.
INFORCRM-20625	The Account detail view Timeline tab no longer displays any icons.
INFORCRM-20657	In a web farm environment, using Ming.le and Federated authentication, single sign-on errors may occur because the required SlxStickySessionId cookie is missing.
INFORCRM-20768	(ICBOE) In an integrated environment, when the account manager is changed for an account in the integrated system, the change should cascade to all associated contact records.
INFORCRM-20786	In the Group Manager list view the Owner filter lists the user IDs instead of user names.
INFORCRM-20792	In the Accounts and Leads list views, sorting records by the Owner column causes no records to display and no error.
INFORCRM-20833	Associating a user to a team requires an IIS reset before that user can view records owned by that team.
INFORCRM-20844	In a Ming.le environment, the Ming.le single sign-off feature needs a single sign-off Url.
INFORCRM-20847	In the Entity Manager, changes to the Display Name are not saved.
INFORCRM-20867	Creating Web Access users for Customer Portal allows multiple users to have the same user name.
INFORCRM-20874	In a Ming.le environment, the Ming.le WebProvision.exe does not include the sp.slo.url property in the generated sp.properties file.
INFORCRM-20892	Under certain conditions the IDataService will be unavailable which leads to the ErrorHelper class logging the error "Unable to select useemaillink,emailaddress from branchoptions".
INFORCRM-20931	In a Ming.le environment, when Infor CRM is configured to sign in with WS-Fed authentication (SSO) through Ming.le, and Infor CRM is not running inside of the Ming.le IFrame, the global application shutdown handler, Shutdown.axd, does not log out of Ming.le.
INFORCRM-20954	In a Ming.le environment, the Group list widget link does not work for entities with a space in the name, for example Sales Orders.
INFORCRM-20955	In a Ming.le environment the IonApiAuth cookie is not removed when the user signs out.

Defect	Description
INFORCRM-20985	(ICBOE) In an integrated environment, duplicate ERPerson records are generated when the ERP-LX SyncPerson BOD "Add" actionCode contains ID values with trailing spaces.
INFORCRM-21034	In a Ming.le environment, installing Xbar or Office Integration from the Tools, Options, General tab causes a 404 error to display.
INFORCRM-21053	In the Application Architect, custom URL fields either fail upon performing a build in Application Architect, or updated data is not retained upon saving in the Web Client.
INFORCRM-21093	In the Form Manager custom forms cannot be added or edited.
INFORCRM-21125	Changes made in the Entity Manager cause the Web Client to crash after a subsequent build and deploy.
INFORCRM-21177	On the Ticket detail view, if the Detail or Journal tab is dragged to the user defined middle pane and the Ticket Activities tab is open, any changes to the Detail or Journal do not trigger the unsaved changes prompt, causing data loss if the record is not saved.
INFORCRM-21195	In a Chrome browser, if the browser window is minimized and then maximized, the Alerts icon is not aligned properly.
INFORCRM-21209	(ICBOE) In an integrated environment, if any ERP related information on a non-integrated account is edited the record is locked and can no longer be edited.
INFORCRM-21218	The secured action for Entities/Quote/GenerateProposal is misspelled as Entities/Quote/GeneratePropasal which causes the Generate Proposal task to not display.
INFORCRM-21225	(ICBOE) In an integrated environment, the Ship To and Bill To tabs should not be hidden, regardless of the whether or not Local Pricing is enabled.
INFORCRM-21245	Changing the font color of the Notes fields in activity and history view does not update the font color.
INFORCRM-21270	Addressed potential CSV injection vulnerability.
INFORCRM-21288	In an Oracle environment integrated with Sync for Gmail, synchronizing activities from the Gmail calendar to Infor CRM causes errors to occur.
INFORCRM-21294	If a user logs in using Microsoft Edge or Google Chrome 69 it is incorrectly recorded as Chrome58 in the User Audit tab.
INFORCRM-21317	In an environment integrated with Sync for Exchange unprocessed records may create a backlog of records and cause performance issues.
INFORCRM-21344	Performing a mail merge from the Leads list view causes the error "Mail Merge encountered an error and cannot continue. There was an HTTP error. There was an expected error in TMailMerge.GetRecords." to display.
INFORCRM-21358	Export to File does not apply GMT/UTC to date/time fields.
INFORCRM-21366	Adding a user to a team does not update the security tables in the database.
INFORCRM-21369	On the Dashboard, in a group list, if the entity name is different from the table name an error displays.
INFORCRM-21389	The Account Manager lookup should not list retired users.
INFORCRM-21391	Changing the Admin user's password runs a SQL query which changes the SECCODEDESC for the Everyone user to "Administrator" which means that "Everyone" no longer appears as a valid option.
INFORCRM-21400	In a customized environment, if a user is on a detail view and presses Enter to start a SpeedSearch, the first toolbar button is selected.

Defect	Description
INFORCRM-21444	When importing records, if the option to check for duplicates and auto merge is selected, and conflict resolution is set as Import Wins and the import encounters duplicate records that fail to merge, the import should log an error and continue to import records.
INFORCRM-21456	In the Query Builder, Assign Query Layout view, setting a Date/Time format to C shows the wrong results.
INFORCRM-21472	After upgrading Chrome to version 70.0.3538.77 (64-bit), grids in the Web client do not contain any records.
INFORCRM-21504	If a user selects a pick list item from the list that is different than what is currently showing, leaves the field, then returns to the field to select the original value, leaves the field again, and then saves the record, the item reverts back to the previous choice.
INFORCRM-21509	The error "The call to GetNativeConnection returned an invalid result" may be recorded in the Application event log when the ConnectionStringDataService is used because it returns the DB Alias as "Server:Alias" instead of just the "Alias".
INFORCRM-21527	In a Ming.le environment, processing the Sync Security User Master BOD should not be apply duplicate roles to the same user.
INFORCRM-21579	In an Oracle environment converting a lead to a contact does not delete the lead record.
INFORCRM-21583	If an account name contains extended characters such as ampersands, then the Recently Viewed tooltip displays the HTML for those characters.
INFORCRM-21585	In the Edit Quote Product dialog box, upon editing the Adjusted Price and saving, the change reverts to the previously saved value and causes the calculations to be incorrect.
INFORCRM-21589	Dragging and dropping an email to an account's Notes/History requires browser refresh or filter reset before the email history record displays.
INFORCRM-21608	Resizing the Query Builder window resizes the window, but the contents remain static resulting in empty space.
INFORCRM-21610	In a web farm environment using Ming.le, the SessionSecurityToken should be cached.
INFORCRM-21611	In a Ming.le environment, the SecurityTokenException should be handled automatically, including the SecurityTokenExpiredException, so that users are automatically logged in again if their sessions expire.
INFORCRM-21612	In a Ming.le environment, when the Ming.le SSO token expires or becomes invalid the user should be redirected to a new sign-in request.
INFORCRM-21620	When editing a defect task, removing the Completed Date/Time should set the Time Units and Elapsed Hours to zero.
INFORCRM-21648	Application Architect fails to complete a full build of the web platform.
INFORCRM-21654	UserAudit login events are being duplicated.
INFORCRM-21655	In a Ming.le environment, the SLXWebUserService may return NULL values for SLXUserService values, such as UserId or UserName when the Identity is a ClaimsIdentity because the Thread.CurrentPrincipal.Identity.Name is NULL.
INFORCRM-21656	The SLXWebDataService may have NULL/empty values for Server, Alias, or Port which can lead to failed ClientLogin and Logout events and may affect licensing.
INFORCRM-21660	After selecting a group from the Groups drop-down list the drop-down list remains visible.

Defect	Description
INFORCRM-21663	If a user changes groups quickly in a list view, the Web Client may continue to change the groups in the same order as the user originally did indefinitely until either the browser is refreshed or closed.
INFORCRM-21684	Under some conditions, on the Tools, Options, Group tab the Main View, Default Group, and Default Group lookups may not be sorted alphabetically.
INFORCRM-21686	In a Marketo integrated environment, the Marketo synchronization process stops if an opportunity record has an invalid ID.
INFORCRM-21694	Changing the Display Name of a field and rebuilding the XML Schema will cause an exception at login on the Web Client, if the 'Show on Startup' group contains that field.
INFORCRM-21712	Changing the account owner from one user to another and saving the record causes the message "Account Name cannot be null or empty" message, even though it is not blank.
INFORCRM-21714	Tickets created in Customer Portal set the Create User field to the SLXCustomer Portal user, so when a ticket activity is created for the same ticket, the Create User field should be set to UserID or SLXCustomer Portal User, not SYST00000001.
INFORCRM-21720	When editing a dashboard to include new content, the Edit Widget, Entity lookup does not list all entities.
INFORCRM-21723	(ICBOE) In an integrated environment with local pricing enabled, the Quote snapshot does not total correctly for non-administrative users.
INFORCRM-21752	In an Xbar integrated environment, when a contact's address is updated in Outlook and synced to Infor CRM a new address record is created rather than updating the existing address record.
INFORCRM-21755	In an Google integrated environment, when a contact's address is updated in Google and synced to Infor CRM a new address record is created rather than updating the existing address record.
INFORCRM-21762	(ICBOE) In an integrated environment, updating opportunity product information such as quantity or price should update the opportunity sales potential.
INFORCRM-21765	The updated Conversion Utility from KB 1994487 has a memory leak.
INFORCRM-21776	(ICBOE) In an integrated environment, the BOE DBManager class should release and close database connections when they are no longer being used.
INFORCRM-21782	Using Windows Authentication causes duplicate entries in the UserAudit table.
INFORCRM-21799	The Current Activities sample report does not include activities of other users the signed user has access to through calendar security.
INFORCRM-21809	Using the Sage.Platform.Caches.Memcached.CacheProvider can lead to unnecessary TCPIP connections, especially by the Job Service, that may negatively impact performance.
INFORCRM-21813	The Opportunity Status widget does not display the correct data for opportunity groups.
INFORCRM-21847	In an environment with a multi-byte language system locale setting, the Web client fails to open and display as expected.
INFORCRM-21856	When dragging and dropping Microsoft Outlook email messages to a ticket the attachments are always saved to the ticket even if the user select the option to not save any attachments. These attachments are also visible to users of the Customer Portal.

Defect	Description
INFORCRM-21862	(ICBOE) Inbound BODs containing control characters cause BOD processing to fail; however since the BOD is identified as unprocessed, the BODs keep getting reprocessed which causes performance issues.
INFORCRM-21870	In a Ming.le environment, the WebProvision.exe should update the web.config file with new SSO configuration requirements.
INFORCRM-21884	In a Marketo integrated environment, a custom mapping of the Infor CRM property DoNotEmail to the Marketo Unsubscribed property only works when synchronizing from Infor CRM to Marketo.
INFORCRM-21926	Removing a user from a nested team causes an error in the Windows Event viewer for the w3wp.exe process.
INFORCRM-21928	In a Marketo integrated environment contacts only synchronize if a change is made to the associated account.
INFORCRM-21929	(ICBOE) In an integrated environment, MT-CSD (Cloud Suite Distribution) based transactions do not contain a Logical ID.
INFORCRM-21930	When inserting a new contact and account, unnecessary queries may negatively impact performance.
INFORCRM-21933	When a nested team's security profile is changed, the change is saved but not applied to the team.
INFORCRM-21953	The Ming.le CRM Opportunity Status widget shows all values as 0.
INFORCRM-21954	The Reporting Assistant does not enable the Save button if a report is modified when reports are loading initially. The Reporting Assistant sees the edit when the report is loaded, but the Save button is not enabled preventing the user from saving the changes in response to a prompt to save the changes.
INFORCRM-21959	(ICBOE) In an integrated environment, when converting a quote to a sales order, the Base and My Currency values are populated with the quote's (Doc) documented currency.
INFORCRM-21988	In an environment with a large number of users and teams, removing a user from a team can take up to five minutes for the user to be removed.
INFORCRM-21991	In the Security Profile view, if the Security Profile Description is more than 35 characters a scrollbar appears.
INFORCRM-21997	When creating a new opportunity, the Account lookup does not return accounts that contain double quotes in the name.
INFORCRM-22066	On the Lead detail view Notes/History tab, Send to Word only copies the company name and date to the Microsoft Word document.
INFORCRM-22091	In a Marketo integrated environment, the Pull Score Changes job should only update data if changes occurred since the last time the job ran.
INFORCRM-22112	(ICBOE) In an integrated environment the Opportunity price services populate both the base currency calculated price and the transaction currency calculated price, but should only populate the transaction currency calculated price.
INFORCRM-22116	Sorting the Accounts list view All Accounts group by Owner returns no records.
INFORCRM-22131	In an environment with a screen resolution of 1360 x 768 or higher, some dialog boxes do not have vertical scroll bars which means the bottom of the screen and buttons are not visible.
INFORCRM-22145	In an environment where the local time zone is different from the Infor CRM server time zone exporting groups that contain a date/time field export using the server time zone, not the local time zone.

Defect	Description
INFORCRM-22149	In Query Builder when selecting Account.Type as a condition, clicking the browse button causes an error to display.
INFORCRM-22173	In Application Architect, trying to edit the Format Code on a data grid custom format column causes the error: "Object reference not set to an instance of an object." to display.
INFORCRM-22187	In a Sync for Exchange integrated envionment some calendar items fail to synchronize form Microsft Exchange to Infor CRM.
INFORCRM-22191	In a Marketo integrated environment if a contact record is deleted in Infor CRM and the record also exists in Marketo, the Marketo lead should not synchronize to Infor CRM.
INFORCRM-22197	In an environment with English UK regional settings, Mail Merge templates with currency values for GBP in the templates are displaying "Â" at the beginning of the value, example, Â£960.00.
INFORCRM-22211	In an environment where SData portals are hosted in web farms, asynchronous SDataRequest[s], using the SData Client Library, may fail.
INFORCRM-22218	The SupervisorSyncJob incorrectly reports job progress.
INFORCRM-22308	In a Sync for Exchange integrated environment, when the Notify Members of Completion option is set to false, notifications for completed activities are still sent.
INFORCRM-22326	(ICBOE) In an integrated environment, the Custom ION Workflow for Activity does not create an outbound BOD.
INFORCRM-22348	(ICBOE) In an integrated environment BODs are not synchronizing because the incorrect Tenant ID being used for the HeaderMap.
INFORCRM-22361	In a Sync for Exchange integrated environment, contacts on a completed activities are copied as attendees.
INFORCRM-22363	For a Ming.le environment, there needs to be URL rewrite rule to redirect Login.aspx to Default.aspx in case users have bookmarked or saved the Login.aspx page.
INFORCRM-22393	For a Ming.le environment there needs to be an upgrade package to edit the Global.cs and DefaultCSharpCodeBehind.vm merge items.
INFORCRM-22400	On the Account detail view unsaved changes on some tabs do not trigger the unsaved data prompt.
INFORCRM-22410	In a Ming.le environment the automatic redirect to the login page will fail if a session security token expires before the user clicks the navigation button.
INFORCRM-22429	In a Marketo environment, Marketo indexes are needed to improve performance.
INFORCRM-22473	(ICBOE) In an integrated environment when the OutboundOnUpdate setting is turned off, the BOE Field Level Security logic does not check the promoted status of a record before setting field access to read-only.

Web Core Update 01 for Infor CRM version 8.4 addresses the following issues:

All defect descriptions apply to the Infor CRM Web Client unless the defect description specifically states otherwise.

Defect	Description
INFORCRM-5030	When saving long URLs as Attachments, an SDATA error occurs.
INFORCRM-5200	On the Dashboard, the Administrator should be able to delete a dashboard shared by a user.

Defect	Description
INFORCRM-5578	On the Campaign detail view, changing the Lead Source should prompt for unsaved data.
INFORCRM-5582	In a localized environment, on the Security Manager Profiles tab the Description is untranslated.
INFORCRM-6921	Custom Standard ID fields should not allow the Can BulkUpdate option to be selected.
INFORCRM-7143	On the Campaign detail view Targets tab, selecting or clearing the Initial check boxes, and then navigating to the next or previous campaign should prompt for unsaved data.
INFORCRM-7255	In an environment with UK regional settings, the date format is incorrectly converted to US date format in Query Builder.
INFORCRM-7505	in Application Architect, changing the layout of a group with two filters with same field name, such as Account.SubType and Contact.SubType, causes the values of one filter to be populated with the values of the other filter.
INFORCRM-7515	Adding an Account Manager's name to a mail merge template causes the error "OnRequestFormat (fmtUser)"
INFORCRM-7791	Unable to attach a file with a "+" in the file name.
INFORCRM-7817	Viewing the Print View version of a smart part when a secured-action-restricted button is included in the main form causes the error "Error CS0103: The name [ControlId] does not exist in the current context.".
INFORCRM-8370	Under some circumstances the updated data prompt does not appear when there are unsaved changes.
INFORCRM-8757	Opening a group and pressing the Delete key hides the group.
INFORCRM-8921	The SOURCEDATE is shown in UTC/GMT instead of local time.
INFORCRM-8923	When scheduling an activity from a Sales process the start date is yesterday's date, not current date.
INFORCRM-10856	Expired passwords cannot be changed on the User detail view.
INFORCRM-11996	In an Internet Explorer environment, on a custom text field the word wrap does not function properly.
INFORCRM-12298	Grids based on HQL mashups with a formula in the select statement do not display data.
INFORCRM-12966	The Application Architect Quickform Details view does not save changes to the Owner Type Properties.
INFORCRM-13185	The SalesLogix Job Service frequently has an error in the EventViewer.
INFORCRM-13232	Bundled entities do not carry over Properties changes.
INFORCRM-13265	After adding several combo boxes to a Quick form and building and deploying, when a user logs in, only the first combo box has the correct column span.
INFORCRM-13335	In an Internet Explorer browser, scrollbars on dashboard widgets drag entire widget container upon click release.
INFORCRM-13383	After promoting a group to the dashboard, hovering over the widget displays the move pointer icon.
INFORCRM-13951	On the Users List view, the Lookup button does not work.
INFORCRM-14140	Saving a newly created Contact/Account causes the error message "When saving a contact, an Account entity was expected but was not found." to display.
INFORCRM-14160	The Submit to Speedsearch default option is ignored when set to True.

Defect	Description
INFORCRM-14187	When using the Internet Explorer browser, if a user clicks the Account detail view Web URL WWW icon the browser window that opens cannot be maximized.
INFORCRM-14747	Intermittent skipping of records when navigating between Account Detail pages.
INFORCRM-15587	Clicking View Group on the Welcome page My Notes' pane displays an error.
INFORCRM-15835	Computers with touch screen displays are unable to see the complete Customer Portal client.
INFORCRM-15881	In a localized environment, the Job Manager Run/Schedule Job dialog box contains untranslated strings.
INFORCRM-16137	Request to fetch hidden fiLTer does not encode the key value.
INFORCRM-16236	In the Group Manager, Groups tab the Modify Date and Shared Date in the lower details pane is different than the values in the list for a selected record.
INFORCRM-16305	In an environment with Deutsch (Schweiz) [de-ch regional settings, on the Account detail view, Literature Requests tab, the Request Date should be in the dd.MM.yyyy format.
INFORCRM-16310	In a Thai environment, dates and times must be consistent for both Gregorian and Buddhist calendars.
INFORCRM-16341	In a Thai environment, when adding a user, the page title is truncated.
INFORCRM-16622	The default values for the Activity Regarding and Category are ignored.
INFORCRM-16644	After adding a Timed activity to a ticket, the value is not added in the Total Hours in the Contract Tickets Total Hours column. The Total Labor shows an aggregate of parts and labor costs, but it should only show labor numbers
INFORCRM-16715	Filters on All Open tab for Activities do not return records as expected.
INFORCRM-16852	The Opportunity Statistics report always shows currency values in USD.
INFORCRM-16871	In Application Architect, adding a column in the Addresses Form displays the error "An item with the same key has already been added.
INFORCRM-16894	Incomplete or No Cache-control and Pragma HTTP Header Set
INFORCRM-17029	On the Quote Detail view, clicking Generate Proposal, the wrong error message displays.
INFORCRM-17069	A string User lookup in a tabbed workspace does not refresh on next record.
INFORCRM-17628	The Default address picklist value "Office" is not an actual picklist item.
INFORCRM-17752	Setting a default picklist item does not have any effect.
INFORCRM-17757	On the Dashboard, My Notes widget, the View Link is not linked to a valid page.
INFORCRM-17842	Running Web Reports against ticket or defect ad-hoc groups causes an "Unknown error in response to an HTTP request" error.
INFORCRM-18138	There is no primary email available when selecting E-mail on Import History.
INFORCRM-18171	In a Chinese environment, the 'unsaved data' message is truncated.
INFORCRM-18443	Unable to manually enter a time when for scheduling reports.
INFORCRM-18502	In an English(UK) environment with US regional settings, manual changes to Date fields are lost upon leaving the field.
INFORCRM-18536	Adding an attachment to a custom entity does not allow other users to view or access the attachment, only the user who added the attachment and the ADMIN can see it in the attachment grid.
INFORCRM-18547	When using Internet Explorer as the browser, on an activity, the Compare button to compare time zones does not work.

Defect	Description
INFORCRM-18589	History by Contact report should only show history data if the record has an associated CONTACTID.
INFORCRM-18611	On the Contact and Opportunity detail views check boxes are not aligned correctly.
INFORCRM-18634	Picklist column value formats do not work when picklist data is not in the browser's application local storage when the page loads.
INFORCRM-18749	During a failed logon attempt the username and password are exposed in clear text in the event log.
INFORCRM-18928	When adding a Lookup type filter in the Entity Manager, the filter is created with the "In Dashboard" property selected by default, it should be cleared by default.
INFORCRM-18962	In the Account detail view, an error may occur if the Web URL field is greater than 60 characters.
INFORCRM-18976	After qualifying a lead, the timestamps are wrong for each completed qualification in the Notes/History.
INFORCRM-18988	The word "received" is misspelled in multiple strings.
INFORCRM-19019	When the Meeting Category Codes picklist is modified in Picklist manager to be a required entry, the required flag is ignored.
INFORCRM-19046	UserInfo strings should not be translated.
INFORCRM-19074	When a group is filtered, the record count is incorrect.
INFORCRM-19080	Date based filters with type-ahead display errors because they start processing before the entire date is typed.
INFORCRM-19097	"contact" should be "Contact" in the string "<value>contact {0} in opportunity {1} does not have a defined SalesRole. It is required to synchronize with Marketo</value> "
INFORCRM-19098	The string "<value>Cookie IonApiAuth is Null or Empty.</value>" should be "<value>The IonApiAuth cookie is Null or Empty.</value>"
INFORCRM-19105	When completing an activity from the calendar or activity list view an Event Log error occurs.
INFORCRM-19117	Update the string 'Eq Api' to 'EQ API'.
INFORCRM-19118	The Source Text for the Grid_EmailColumn_Description reference to Phone control should be replaced with "E-Mail".
INFORCRM-19119	'Change Set' should be changed to "changeset".
INFORCRM-19120	Change the string "fully type qualified name" to "fully qualified type name".
INFORCRM-19129	Remove 'at' abbreviations from activity strings.
INFORCRM-19135	In a Russian environment, if a group column Caption is edited to contain Cyrillic characters the characters are corrupted upon saving the group.
INFORCRM-19140	After editing a record in a detail tab, the tab column headers disappear.
INFORCRM-19142	The help topic for "Adding or Editing a Custom Product" was updated.
INFORCRM-19165	If a validation exception occurs in the business rules, some fields are cleared.
INFORCRM-19185	In a localized environment, the My Pipeline group in Opportunities and the My Pipeline widget on the Welcome page are not formatting dates correctly.
INFORCRM-19189	The Account Owner drop-down should not include Department as an option.
INFORCRM-19213	If a user schedules an activity with a different user as the Leader and then edits the activity an event log error occurs.

Defect	Description
INFORCRM-19289	The Ticket Status filter does not show any filter items.
INFORCRM-19290	The Defect Status filter does not show any filter items.
INFORCRM-19322	Exported CSV files are not using commas as the delimiter.
INFORCRM-19324	After editing an ION Workflow condition Attributes and closing the dialog box without first clicking out of the drop-down list, the list continues to display in the left corner of the browser window.
INFORCRM-19325	In a localized environment, the Literature Requests management list view date columns do not use regional formats.
INFORCRM-19337	On the Task Manager, Definitions tab, 'Import task' and Description are in the wrong order.
INFORCRM-19341	In a localized environment, in the Job Manager Definitions tab, when trying to create an ad hoc group an error containing untranslated strings displays.
INFORCRM-19344	In a localized environment, the Check for Duplicates detail view contains untranslated strings.
INFORCRM-19350	In a Chinese environment, in the Literature Requests management list view, the date columns are not formatted correctly.
INFORCRM-19355	When manually cycling the Crystal Reports job, the following message displays "The job service is currently not available."
INFORCRM-19363	In Query Builder when changing the operator on a date field from “equals” to “contains” or “does not Contain” data, the Value field does not clear.
INFORCRM-19370	In the Application Architect Action Item Designer, changes to the height settings are ignored.
INFORCRM-19386	Range filters do not display records with a value that falls between ranges.
INFORCRM-19427	Pre-filters added to custom lookups do not work. All the results for the Lookup are returned and no filtering takes place.
INFORCRM-19438	In Application Architect, the Insert Records action fails if another Insert Action for same table already exists.
INFORCRM-19471	Adding a Remote Office license causes main office and remote office group records to be inaccessible.
INFORCRM-19476	Attempting to save a new account and contact without entering the required information causes the expected validation warnings, but even after adding the required information the record cannot be saved.
INFORCRM-19527	In the Application Architect, when applying a bundle file, types that can be removed should be identified.
INFORCRM-19546	On the User detail view, changes to the Username field do not save, but changes made in the Edit User view save as expected.
INFORCRM-19547	When an opportunity is associated with a quote and that opportunity is deleted, associating a different opportunity displays the error 'No Row with the given identifier exists".
INFORCRM-19567	In a Microsoft Surface Pro 4 environment Customer Portal fails to load.
INFORCRM-19570	Marketo is now supported on Oracle.
INFORCRM-19576	In a group, when Return Distinct Rows is set to True, Group Total Records does not Match Filter Count Total.

Defect	Description
INFORCRM-19585	If an Infor CRM account is lower case, and the record is published to Visual, Visual returns the record as upper case which Infor CRM processes as a separate record creating duplicate records.
INFORCRM-19599	In a Windows 7 environment with an Internet Explorer browser, clicking a scroll bar arrow may cause Dashboard widgets to become no longer docked and may cause the Web Client to no longer respond.
INFORCRM-19637	Changing the Account Manager for an account does not update the account manager for any associated contacts.
INFORCRM-19648	(ICBOE) Attempting to accept an AcknowledgeCustomerPartyMaster BOD fails if the ErpExtId is mapped to more than one entity and the wrong entity is selected for processing.
INFORCRM-19677	When attempting to export all account records, a job service error occurs.
INFORCRM-19683	Add validation method for the path when previewing files in SpeedSearch, generating Crystal reports or in the SLX Reporting Assistant parameter editor form.
INFORCRM-19694	When adding a new account; clicking save more than once results in more than one new account record.
INFORCRM-19699	In an Oracle database, any group that contains the ticketassign list condition fails.
INFORCRM-19711	Fix injection vulnerability in Regex expressions with variables.
INFORCRM-19717	An error in code snippet is redirected to the Local Files system instead of the form.
INFORCRM-19720	Fix Injection vulnerability in XPath SelectSingleNode.
INFORCRM-19762	(ICBOE) The BOE DBManager class does not close or dispose of database connections.
INFORCRM-19771	Mail Merge fails with the error "The result for 1 queries was expected, but no data was returned..."
INFORCRM-19775	After disabling the Back Office integration, the "Promote" link should be disabled for users and roles.
INFORCRM-19776	The info message that appears after promoting a user or role should be "The User, "User Name", was successfully submitted for promotion" for user and "The Role, "Role Name", was successfully submitted for promotion" for Role.
INFORCRM-19805	In Application Architect, when installing a bundle, under certain circumstances there are issues with table insertion of records. The issue occurs without error leaving the no evidence that a problem exists.
INFORCRM-19808	Help link on Office Hours tab opens to error.
INFORCRM-19810	Context-sensitive help for Infor CRM v8.4 Web Client is broken.
INFORCRM-19811	Update the context-sensitive help link in the Infor CRM v8.4.0.1 Customer Portal.
INFORCRM-19812	Update the context-sensitive help link in the Infor CRM v8.4.0.1 Web Client.
INFORCRM-19814	(ICBOE) Sales order and quote records are promoted automatically when an associated product is deleted from the record.
INFORCRM-19816	Updating account addresses and accepting the prompt to update associated contacts fails to update the associated contact addresses..
INFORCRM-19820	The Quote Generate Proposal secured action is misspelled GeneratePropasal.
INFORCRM-19831	Filters can be added to a group even if the associated fields are not present in the layout.
INFORCRM-19912	SQL injection security issue.

Defect	Description
INFORCRM-19914	(ICBOE) The BODFieldMapping and BODMapping query results are not cached which may lead to poor performance.
INFORCRM-19930	The Infor CRM Web Client does not set AccountSummary.ParentID field like the Windows Client does.
INFORCRM-19936	Reading the values from Request(QueryString, Requst.params) and sending to clientside via RegisterClientScript call causes an xss security error.
INFORCRM-19952	In the Infor CRM Web Client General Options help topic, step 19 for "Use Active Reporting" should be removed.
INFORCRM-19963	SQL injection security issue.
INFORCRM-20033	Mail Merge must be compatible with the Microsoft Store version of Microsoft Outlook.
INFORCRM-20065	Running any opportunity report with a date range condition causes the error "There was an unknown error in response to an HTTP request.". If you look it up in the job manager, the status is complete, but the phase is "Finalization".
INFORCRM-20067	The contact Suffix field is blank if the Suffix was added when the contact was created.
INFORCRM-20070	In a Russian environment, Cyrillic characters display as symbols.
INFORCRM-20097	When the Display List view check boxes option is selected any groups changed to display in Summary view will not revert to List view.
INFORCRM-20130	The Recently Viewed list does not display recently viewed records until the browser is refreshed.
INFORCRM-20169	Multi-select picklists require two clicks on the ellipses icon to show the available values.
INFORCRM-20190	Running the Open Opportunity by Account report with a date range condition causes the error "There was an unknown error in response to an HTTP request.".
INFORCRM-20197	(ICBOE) An OutOfMemoryException may occur in Saleslogix.Integration.BOE.Jobs.Message.ItemMasterHandler.GetUOMConversionsList ().
INFORCRM-20221	Processing CustomerPartyMaster BODs for accounts fail with a "C_Was_Processed" status of 9 or 999.
INFORCRM-20229	If a contact's work phone number is blank, the Send To Word feature in the Notes/History tab creates the document, but is truncated after Contact Phone.
INFORCRM-20246	To improve performance, use the NHibernate IStatelessSession when inserting/updating GroupStatistics.
INFORCRM-20253	Some of the countries in the Countries view are lowercase and should start with an uppercase letter.
INFORCRM-20298	When adding or editing an opportunity, typing an Estimated Close Date does not save upon leaving the field.
INFORCRM-20299	When a lead is converted to a contact and account, the Import Source is not carried over.
INFORCRM-20302	If a new multi-regional picklist is added with a Filter value, the Filter value of all other picklists is changed to the new value.
INFORCRM-20308	In localized environment, in Application Architect, Cyrillic characters in an entity's Display Name cause an error.
INFORCRM-20318	(ICBOE) In a Visual integrated environment, when the Inbound CustomerPartyMaster BOD is processed by the ICRM Job Service it is not setting the default value for the Account Type field.

Defect	Description
INFORCRM-20336	In an environment with restricted bandwidth, when uploading an attachment file, after the progress bar has reached 100%, an alert titled "undefined" appears and disappears rapidly.
INFORCRM-20339	When a Standard user and the admin use the same browser session, if the admin creates a new team, then the user will see blank fields in any new account created for that team.
INFORCRM-20352	(ICBOE) In an integrated environment, BODs generated from Workflows do not include Unicode data.
INFORCRM-20357	When using the Add Members and Resources lookup for Activity Availability an incorrect number of results is returned.
INFORCRM-20453	(ICBOE) Running the Master Consolidation conversion on a large database may result in a database deadlock.
INFORCRM-20457	When running the CreateUnicodeDB, The ALTER TABLE statement becomes part of the trigger implementation after the conversion. this ALTER TRIGGER statement gets called every time the trigger is executed.
INFORCRM-20459	A database deadlock may occur when the Account.OnBeforeUpdate() business rule method is called. The Account.OnBeforeUpdate() method should not call account.Address.Save() because any change to the Address will cascade when the Account is saved.
INFORCRM-20460	A database deadlock may occur when an Address is added or updated because other Address methods each create their own new ISession and Flush() the changes.
INFORCRM-20465	After rolling over an activity, the start date that displays on the Activities list is two days earlier, but when the activity is opened it is shows the previous day.
INFORCRM-20468	Changing an account owner does not update the SECCODEID on any associated tickets.
INFORCRM-20482	(ICBOE) If a BOD cannot locate the BaseUOMCode for a product the error "System.ArgumentException: An item with the same key has already been added" displays.
INFORCRM-20483	(ICBOE) If a BOD includes multiple product entries with the same Product.ErpUniqueId the error "System.ArgumentNullException: Value cannot be null" displays.
INFORCRM-20484	(ICBOE) The error "System.Collections.Generic.KeyNotFoundException: The given key was not present in the dictionary" occurs in SaveOrUpdateEntity() if Evict() is called for an entity without an id.
INFORCRM-20485	(ICBOE) A database deadlock may occur when deleting SYSBODOutOfOrderRef records using a large IN clause.
INFORCRM-20486	(ICBOE) If the entity associated with a SYSBODOutOfOrderRef record has been deleted from the database A NullReferenceException error will occur.
INFORCRM-20487	(ICBOE) Logged events should record the MessageId (C_ID) when possible.
INFORCRM-20488	(ICBOE) If the XPath is invalid an XPathException error may occur in BodDataArea.SelectSingleNode() .
INFORCRM-20518	The Saleslogix.Integration.BOE.Jobs.Database.DBManager class does not close or dispose of database connections.
INFORCRM-20522	If a sales process step is completed after 5PM, the Completed Date displays the next day's date.
INFORCRM-20524	Viewing Opportunity Statistics for a group with a filter based on Estimated Close causes an error to display.

Defect	Description
INFORCRM-20527	With some regional settings, dates manually typed instead of selected from the calendar are not saved.
INFORCRM-20533	In the Application Architect, using External Assemblies causes errors to occur.
INFORCRM-20535	Custom business rules and event steps may become uneditable.
INFORCRM-20570	Custom business rules may become corrupt and therefore cannot be opened or edited.
INFORCRM-20572	Adding attachments to a custom entity allows only the user who added the attachment and the ADMIN to view the attachment in the Attachments list.
INFORCRM-20574	(ICBOE) A quote proposal created for an account with associated bill to and ship to records does not include the bill to and ship to information.
INFORCRM-20633	If a user does not have permission to view a user, the message should indicate that the user does not have permission to view the user.
INFORCRM-20634	Using the CreateUnicodeDB to convert a database will fail if the database contains any invalid views.
INFORCRM-20660	The error "Sage.SalesLogix.Web.SessionCookieManagerModule - XSRF Attack Detected!" may occur in Event Viewer if a user tries to sign in with the wrong password or when a user opens Infor CRM in multiple browser tabs.
INFORCRM-20707	After adding a custom filter to Opportunities the filter can be applied or cleared as normal, however opening an opportunity from the group that uses the custom filter causes an error.
INFORCRM-20725	If an email address contains a special character, such as an apostrophe or umlaut, when the email address is clicked to open an email message in Gmail or Microsoft Outlook, the email address is truncated after the special character.
INFORCRM-20727	User names with apostrophes should be supported.
INFORCRM-20750	(ICBOE) New users replicated from Ming.le are not created in Infor CRM, because the Sync.SecurityUserMaster BOD is ignored and left in the IOBOX with a status of 0.
INFORCRM-20783	On the Ticket Detail view, after making a change without saving the record, clicking the Ticket Find button to search for tickets does not return any results.
INFORCRM-20794	When opening an activity from a sales process, the title does not include the activity type, only the Regarding value.
INFORCRM-20826	On the Activities list view, selecting multiple activities to Complete and selecting the "Individually" option at the prompt, only one activity is opened to complete. After the first activity is completed the remainder of the selected activities should open one after the other.
INFORCRM-20837	Selecting a filter for a group in a list view, causes incorrect counts to display for other filters.
INFORCRM-20839	Opening, closing, and reopening a lookup causes a vertical scroll bar to appear in the Lookup screen.
INFORCRM-20886	On the Sales Order and Quote detail views, the Bill To and Ship To tabs should display even on non-integrated environments.
INFORCRM-20888	In a Russian environment, the Add Condition button on a lookup may not be aligned correctly.
INFORCRM-20896	The Sales Order and Quote detail view snapshots do not reflect product totals correctly if they are less than 0.
INFORCRM-20956	Workflows are not triggering because the CRM ProcessWorkFlow BOD is not generated.

Defect	Description
INFORCRM-20977	In the Architect, adding line breaks to a calculated field prevents all calculated fields displaying in the Web Client
INFORCRM-20983	After enabling X-Content-Type-Options (nosniff) some. png images no longer display.
INFORCRM-21022	Creating a mashup in Application Architect and using a substring in the query causes all column headings to change to Value1, Value2, and so on.
INFORCRM-21024	On the Opportunity detail view Sales Processes tab, clicking an activity link does not open the activity window.
INFORCRM-21037	Viewing the Dashboard, then navigating to a list view, and returning to the Dashboard may cause any funnel widgets to display incorrectly.
INFORCRM-21059	(CPQ only) If CPQ is enabled and the configuration group is defined, all fields in configuration tab are disabled preventing users from making the product configurable.
INFORCRM-21069	Creating an activity for an opportunity and an unrelated account replaces the unrelated account with the account for the selected opportunity when saved.
INFORCRM-21074	There is no email validation on emails, allowing invalid emails to be saved.
INFORCRM-21078	Changing the contact on an activity appears to leave the account as the previous value, but changes the account to the new contact's account upon saving.
INFORCRM-21080	The Account Detail report right hand margin is off the page which causes several fields to be truncated.
INFORCRM-21140	On the Dashboard, the Groups list widget for a quotes groups does not display any records.
INFORCRM-21161	In the Query Builder, on the Conditions tab, selecting Opportunity.Status and using the Browse button to select a value causes an error.
INFORCRM-21173	On the Quotes list view the All Quotes group may load slowly, due to the queries being run in the background.
INFORCRM-21199	When a change is made to an account, if the user tries to navigate to another account using the Group List the Account detail view will not refresh correctly if Cancel is selected on the unsaved data prompt.
INFORCRM-21205	(ICBOE) In a CSI environment, the sales order product unit price is being rounded up when calculating the Extended Price (Base) causing the value to be incorrect.
INFORCRM-21211	(ICBOE) In a CSI environment, the invoice product unit price is being rounded up incorrectly.
INFORCRM-21232	If a user with the Team Owner Profile updates the Account Owner field to be the same Team that they own, an error is thrown.
INFORCRM-21262	The Memcached UDP Amplification Attach needs to be upgraded to a more recent version.
INFORCRM-21263	In a Windows 10 environment with an Internet Explorer 11 browser, in Mail Merge, the call to QueryInterface for IID_IWebBrowser2 may fail.
INFORCRM-21299	The LOGINATTEMPTS does reset to 0 once a user successfully signs on or the Lock timeout limit expires.
INFORCRM-21338	If the CORS module is configured in the SData portal, the CORS headers are only sent with the preflight OPTIONS request. Since the CORS headers are not present after that, browsers will throw an error that the origin is not allowed.
INFORCRM-21413	When editing an address, updating the country code does not update the country code in the database.

Defect	Description
INFORCRM-21462	Update Quartz.NET with fixes associated with blocked jobs.
INFORCRM-21487	In Xbar, on a Contact, selecting the All Open ticket group does not display any tickets for that contact.

File Information

This update may include .pdb files which are not listed in the following table. These files are included to provide additional logging information for troubleshooting purposes.

* File names containing an asterisk indicate that the same file is available for multiple languages.

File Name	File Contents	File Version	
Infor_CRM_v840_Web_Core_Update_04.zip			
	Extra Files folder		
	Infor_CRM_v840_Web_Core_Update_04.exe		
	ICRM v8.4.0 VFS Web Core Update 04.zip		
	ICRM v8.4 Core 04 VFS Actions.zip		
	Updated ICAA files VFS.zip		
Extra Files folder			
	SlxJobService.exe.config		
Infor_CRM_v840_Web_Core_Update_04.exe			
	AdminUtil.exe	8.4.0.2668	
	AppArchitect.config		
	ConversionUtility_8.4.0.x.exe	8.4.0.3463	
	ConversionUtility_8.4.0.x.exe.config		
	ConversionUtility_8.4.exe	8.4.0.2668	
	CreateUnicodeDB.exe	8.4.0.3463	
	GroupTranslator.dll	8.4.0.3464	
	Interop.SLXSystem.dll	8.4.0.0	
	Quartz.dll	2.4.1.1	
	Sage.Entity.Interfaces.dll	8.4.0.3464	
	Sage.Platform.AdminModule.dll	8.4.0.3159	
	Sage.Platform.Application.dll	8.4.0.3159	
	Sage.Platform.Application.UI.Web.dll	8.4.0.2668	
	Sage.Platform.BundleModel.AdminModule.dll	8.4.0.2367	
	Sage.Platform.BundleModel.dll	8.4.0.3463	
	Sage.Platform.Caches.Memcached.dll	8.4.0.2668	
	Sage.Platform.Configuration.dll		
	Sage.Platform.Design.dll	8.4.0.2367	
	Sage.Platform.dll	8.4.0.3463	
	Sage.Platform.FileSystem.dll	8.4.0.2668	
	Sage.Platform.Mashups.dll	8.4.0.2367	
	Sage.Platform.Orm.CodeGen.dll	8.4.0.3463	
	Sage.Platform.Projects.AdminModule.dll	8.4.0.2668	
	Sage.Platform.Projects.dll	8.4.0.3159	

File Name	File Contents	File Version	
	Sage.Platform.QuickForms.Designer.dll	8.4.0.2668	
	Sage.Platform.QuickForms.dll	8.4.0.2367	
	Sage.Platform.QuickForms.WebFormGen.dll	8.4.0.2367	
	Sage.Platform.Upgrade.AdminModule.dll	8.4.0.2668	
	Sage.Platform.VirtualFileSystem.dll	8.4.0.3159	
	Sage.Platform.WebPortal.Design.AdminModule.dll	8.4.0.2668	
	Sage.Platform.WebPortal.Design.dll	8.4.0.2367	
	Sage.Platform.WebPortal.dll	8.4.0.2668	
	Sage.Platform.Windows.Forms.dll	8.4.0.2367	
	Sage.Saleslogix.Activity.dll	8.4.0.3463	
	Sage.Saleslogix.Activity.Entities.dll	8.4.0.3463	
	Sage.Saleslogix.API.dll	8.4.0.3159	
	Sage.Saleslogix.BundleModel.BundleActions.dll	8.4.0.3463	
	Sage.Saleslogix.BusinessRules.dll	8.4.0.3463	
	Sage.Saleslogix.Client.Reports.dll	8.4.0.2668	
	Sage.Saleslogix.ContractSync.Entities.dll	8.4.0.3463	
	Sage.Saleslogix.DelphiBridge.dll	8.4.0.3463	
	Sage.Saleslogix.dll	8.4.0.3463	
	Sage.Saleslogix.Entities.dll	8.4.0.3463	
	Sage.Saleslogix.HighLevelTypes.dll	8.4.0.2367	
	Sage.Saleslogix.NHibernate.dll	8.4.0.3463	
	Sage.Saleslogix.PickLists.dll	8.4.0.3159	
	Sage.Saleslogix.Plugins.dll	8.4.0.2367	
	Sage.Saleslogix.QuickForms.QFControls.Design.dll	8.4.0.2367	
	Sage.Saleslogix.QuickForms.QFControls.dll	8.4.0.3463	
	Sage.Saleslogix.SchemaSupport.dll	8.4.0.2668	
	Sage.Saleslogix.Security.Entities.dll	8.4.0.3464	
	Sage.Saleslogix.Security.dll	8.4.0.3159	
	Sage.Saleslogix.Security.Entities.dll	8.4.0.2368	
	Sage.Saleslogix.System.dll	8.4.0.3463	
	Sage.Saleslogix.Web.AdminModule.dll	8.4.0.3463	
	Sage.Saleslogix.Web.Controls.dll	8.4.0.3463	
	Sage.Saleslogix.Web.dll	8.4.0.3463	
	Sage.Scheduling.Client.dll	8.4.0.2367	
	Sage.Scheduling.dll	8.4.0.3159	
	Saleslogix.Integration.BOE.Common.dll	8.4.0.3463	
	Saleslogix.Reporting.API.dll	8.4.0.2668	
	SLXCacheServer.exe	8.4.0.2367	
	SLXCacheServer.exe.config		

File Name	File Contents	File Version	
	SLXJobServer.exe	8.4.0.3159	
	SLXJobServer.exe.config		
	SLXMMEngineW.dll	8.4.0.3468	
	SLXReportingAssistant.exe	8.4.0.2668	
	SLXSearchDataSource.dll	8.4.0.3160	
	SLXSearchService.exe	8.4.0.3160	
	WebProvision.exe	8.4.0.2668	
	WebProvisionUI.exe	8.4.0.2367	
ICRM v8.4.0 VFS Web Core Update 04.zip			
	_BaseTaskPaneTasklet.js		
	_DnD-touch-autoscroll.js		
	absolute-path.js		
	Accept.png		
	Account.ACCOUNT.entity.xml		
	Account.Address.a6e41b881fab44f8b33d753230f30ef9.relationship.xml		
	Account.Contact.ab645e9e2c3e4bd9986ff5a5ed5a9f58.relationship.xml		
	Account.Contact.ea56bb1cb0b3421eb34c299ac26dabfd.relationship.xml		
	Account.Contract. e8aee7eb73014ad498ebd6ce68c389e3.relationship.xml		
	Account.ERPInvoice. 92a3744a672c4dc7a821e7c9da3ac017.relationship.xml		
	Account.HistoryAssociation. 09a2f438c45a46e5852c35b133f1968e.relationship.xml		
	Account.LeadSource. 1c05cc84e3f34ec297ac4f3ef5992103.relationship.xml		
	Account.Opportunity. 0b050252b3a0453d91c2f33d86409e46.relationship.xml		
	Account.Owner. 6eea4e8cbada48fc9e4dcbda62fc527e.relationship.xml		
	Account.Quote. 243b7ffdfe354c078c4c9ef670269ee5.relationship.xml		
	Account.Return. 184bcc3b07a04caa8f5e7a81fccb9ea4.relationship.xml		
	Account.SalesOrder. abecb883c002416e93bb2ac800d57e8a.relationship.xml		
	Account.SlxLocation. 2327ad8df4d947bf94965ea6a89d8c06.relationship.xml		
	Account.Ticket. beeaf5537b9242799abdb80a048ceea2.relationship.xml		
	Account.User. 03d231a10e13421e90726e2be6b19890.relationship.xml		

File Name	File Contents	File Version	
	Account.User. f094a99e951746ffa3e12b55fc0197f2.relationship.xml		
	Account.User. fa9b2ef253bb4a52be2b70e36b403672.relationship.xml		
	account_new_16x16.gif		
	Activity.ActivityAssociation. 0acfcc8438f44b35a91c6cec1c6b2c33.relationship.xml		
	Activity.ActivityOccurrence. 6cd98cd7001447f596de3cb4277b2212.relationship.xml		
	Activity.js		
	Activity.User. 620ff522fa414577a8bf43c25a9dbbac.relationship.xml		
	Activity_*.js		
	ActivityAccount.js		
	ActivityAction.js		
	ActivityActionProcessor.js		
	ActivityAlarm.js		
	ActivityAssociation.ACTIVITYASSOCIATION.entity.xml		
	ActivityAssociationsWidget.html		
	ActivityAssociationsWidget.js		
	ActivityAttachment.js		
	Activity-Combined.js		
	ActivityConfirmation.js		
	ActivityConfirmStatus.js		
	ActivityDuration.js		
	ActivityEditor.html		
	ActivityEditor.js		
	ActivityEditorAttendeesTab.js		
	ActivityGroupTaskConfigurationProvider.js		
	ActivityGroupTasklet.js		
	ActivityList.js		
	ActivityListPanelConfig.js		
	ActivityName.js		
	ActivityNameType.js		
	ActivityOccurrence.ACTIVITYOCCURRENCE.entity.xml		
	ActivityRecurring		
	ActivityScheduler.js		
	ActivityService.js		
	ActivityTaskPaneActions.js		

File Name	File Contents	File Version	
	ActivityType.filter.xml		
	ActivityType.js		
	ActivityTypeForGroups.js		
	add_products_16x16.png		
	AddEditFiltersDialog.js		
	AddEditPropertiesDialog.js		
	Address.ADDRESS.entity.xml		
	Address.js		
	AddressFormatConditionWidget.js		
	Admin.js		
	Admin_*.js		
	Admin-Combined.js		
	alarm_14x14.png		
	Alarm_16x16.gif		
	AlarmButton.js		
	AllOpenListPanelConfig.js		
	AppIdMapping.User. 6a7fefe1cd1341838ed19c8091777de7.relationship.xml		
	attach_14x14.png		
	Attachment.filter.xml		
	Attachment.js		
	AttachmentList.js		
	Base.js		
	Base._*js		
	Base-Combined.js		
	BaseGroupContextService.js		
	blue_dot.gif		
	BouncyCastle.Crypto.dll	1.8.19031.1	
	browseField.ascx		
	BulkUpdateWidget.js		
	bundleData.xml		
	Calendar_24x24.gif		
	Call_14x14.png		
	Call_16x16.gif		
	Call_24x24.gif		
	Campaign.CAMPAIGN.entity.xml		
	Campaign.Owner. 4a0d954e6e784b518fa6168d81edf061.relationship.xml		

File Name	File Contents	File Version	
	Campaign.User. 04f6aa3dd0b14e0f97b1225c2149a964.relationship.xml		
	CampaignStage.LeadSource. fcc82b14dbf4495688138223c79200e0.relationship.xml		
	CampaignTargetsView.Campaign. 34aa639a55354b4fb709586ec61772f1.relationship.xml		
	CampaignTargetsView.Owner. 0089df5081934002a33c0572cafa3f2d.relationship.xml		
	Carrier.Account. f450e7dbfef54e5397593cf958db4501.relationship.xml		
	Carrier.Quote. cea9c8ca2c59457a9556e4a368bcd8e9.relationship.xml		
	Carrier.SalesOrder. 8ed6dce37d4b4b1e87abef9e089bacc6.relationship.xml		
	ChartingTheme.js		
	CheckBoxFilter.js		
	ClientBindingManagerService.js		
	columnHider.js		
	ColumnReorder.js		
	ColumnResizer.js		
	CommonTasksTasklet.js		
	Company_24.png		
	Competitor.Account. 8a14af4872544ecdb43f0134bfa35b87.relationship.xml		
	CompoundColumns.js		
	ConditionManager.js		
	Contact.Address. 10d07a91bc6344a8a71ce4051c1e566c.relationship.xml		
	Contact.Address. 7576bb4cddd24e5bbd40a672ed0a0d7f.relationship.xml		
	Contact.CONTACT.entity.xml		
…	Contact.Contract. bd05486615ec434e94886f4e99ecf539.relationship.xml		
	Contact.HistoryAssociation. 6c8fcc0ee5864a73b6819491cb397710.relationship.xml		
	Contact.OpportunityContact. d5d14f279b034bfaab9edaf871cd52aa.relationship.xml		
	Contact.Owner. ba6e89fa60c14b958a0c44b25dfe0a06.relationship.xml		
	Contact.Quote. f3e76d5723464c4889341eba2662010c.relationship.xml		
	Contact.SalesOrder. 750fbda341294514862ea1d601836bed.relationship.xml		

File Name	File Contents	File Version	
	Contact.SICustomer. a2cd0fc43ad94003969b5780c58dc34e.relationship.xml		
	Contact.Ticket. fb3fdbf93aca4ad68fb1e3ea5a3e9029.relationship.xml		
	Contact.User. 8bab3e09b2564170a2901964dc7e268d.relationship.xml		
	Contact.User. a5caa45b6e464fde9fc10c8c5487c9a6.relationship.xml		
	Contact.User. db064fd5fb264b368723e0862a58320c.relationship.xml		
	ContactDetailSummary.html		
	Contract.ContractIncident. a65eb479d7ad4a6988a34e539c54b8ec.relationship.xml		
	Contract.ContractItem. b24c8e73fb48465ba7675a4c8d7cbad7.relationship.xml		
	Contract.Owner. edb399405dc0450e8b0f7ff1c47c5bdf.relationship.xml		
	Contract.Ticket. 625857612c3444ddbab90924564abb6a.relationship.xml		
	ContractItem.AccountProduct. 09233580eee04d9394e53930984898ab.relationship.xml		
	Copy_24x24.gif		
	Copy_32x32.gif		
	CopyQuota.method.xml		
	CopyQuotaForNextPeriod.method.xml		
	CopyWorkFlowStep.method.xml		
	CRMWorkflowJob_Every_60Min.trigger.xml		
	CrystalReportsUtility.js		
	Currency.js		
	CustomQueryParameter.CUSTOMQUERYPARAMETER.entity.xml		
	CustomSetting.CUSTOMSETTINGS.entity.xml		
	Dashboard.js		
	Dashboard_*.js		
	Dashboard-Combined.js		
	DashboardWidgetCell.js		
	DateTime.js		
	DateTimePicker.js		
	Decline.png		
	default_favicon.png		
	DefaultDropHandler.js		

File Name	File Contents	File Version	
	Defect.DEFECT.entity.xml		
	Defect.Owner.2163b2defc5d4b3a99f665030272e51c.relationship.xml		
	Defect.Owner.ddaeca9ab2244bceaca87433a2dfcdb4.relationship.xml		
	Defect.Owner.f66b2b0baeb147c0a7597d5b5cd13825.relationship.xml		
	Defect.Owner.f6409527027e450283b54baba0d85733.relationship.xml		
	DefectActivityItem.DefectActivityRate. 52c48e9e42c444379ca5a13c1d2d9a7f.relationship.xml		
	DefectActivityItem.User. e3a462fd115249078c046aa011835df1.relationship.xml		
	DefectProduct.Product. f02ef26fe180488484d15c0396213018.relationship.xml		
	Delete_16x16.png		
	Delete_16x16-1.png		
	Department.Owner. dbe244212f07401da64890b51c238279.relationship.xml		
	DependControl.js		
	DesignSurface.js		
	Dialog.js		
	Dialog_*.js		
	Dialog-Combined.js		
	DijitRegistry.js		
	DnD.js		
	DragDropWatcher.js		
	DropDownSelectedUser.js		
	Edit_Item_16x16.gif		
	EditEntityOptionsDlg.js		
	elipses.gif		
	Email.js		
	EnsurePrimaryAssociations.method.xml		
	ERPBillTo.ERPInvoice. b0bc26b36d634dc1a8e2a569553c53ab.relationship.xml		
	ERPBillTo.Quote. b622076f70b04ca5b3e14d48f7c519df.relationship.xml		
	ERPInvoice.ERPINVOICE.entity.xml		
	ERPInvoice.ERPInvoiceAddress. 71a91b969eb5466fab6697bd27905235.relationship.xml		
	ERPInvoice.ERPInvoiceAddress. deda9aa8d89f4c4a858d5f008a1e822d.relationship.xml		
	ERPPerson.Owner. e1f4a8124a9f44e6b2a0a75d267b7165.relationship.xml		

File Name	File Contents	File Version	
	ERPPerson.User. a1ea99a1b7ae4b3fa6d0aee176d96462.relationship.xml		
	ERPShipTo.ERPInvoice. 9a09f87ba34446598b5b604a612b9b82.relationship.xml		
	ERPShipTo.Quote. 779aa7355869496887219 8cc4a97f3f4.relationship.xml		
	ERPShipTo.SalesOrder. a7f2cc8837184627a0186567174104d0.relationship.xml		
	ErrorHandler.js		
	Event.User. 84d8d9d307024d9cbc2b94b225d747ce.relationship.xml		
	EventTaskConfigurationProvider.js		
	EventTasklet.js		
	ExpandChildOccurrences.method.xml		
	favicon-16x16.png		
	favicon-32x32.png		
	Filter_16x16.png		
	FilterManager.js		
	Find_16x16.png		
	Folder_add.png		
	Folder_delete.png		
	Folder_edit.png		
	Forecast.FORECAST.entity.xml		
	Forecast.ForecastAudit. 60918d90cf7d4c1792ddb0afa112444b.relationship.xml		
	Forecast.ForecastOpportunity. 2ec70bb989724b158690387cec1a362b.relationship.xml		
	Forecast.ForecastSnapshot. 03e30ab0aa6444088b487a3c055a2851.relationship.xml		
	Forecast.User. 55dea033e48547f6af07ca272ddd874a.relationship.xml		
	ForecastAudit.FORECASTAUDIT.entity.xml		
	ForecastOpportunity.FORECASTOPPORTUNITY.entity.xml		
	ForecastSnapshot.FORECASTSNAPSHOT.entity.xml		
	ForecastSummary.FORECASTSUMMARY.entity.xml		
	ForecastSummary.OpportunityCountrySummaryView .a5390c7b156040dba064e3227fdda9f4.relationship.xml		
	ForecastSummary.OpportunityDirectorSummaryView .7e7560de5f0f431f98cf537016f8093f.relationship.		

File Name	File Contents	File Version	
	ForecastSummary.OpportunityProductSummaryView .fb2165e201d64e8fb5e935f463b77780.relationship.xml		
	ForecastSummary.OpportunityRegionSummaryView .dc68555ac5cb45298f3fc741cee63597.relationship.xml		
	ForecastSummary.OpportunityRSMSummaryView .3c9845944d354192adea190a76ffd9b3.relationship.xml		
	ForecastSummary.OpportunityStateSummaryView .47668142bad648acade7b5776fdbcc73.relationship.xml		
	From.filter.xml		
	gears_init.js		
	GetErpFreightReasonCode.method.xml		
	GetPricingRequiredIndicator.method.xml		
	greendot.gif		
	Grid.js		
	GridView.js		
	GroupContextService.js		
	GroupListConfigurationProvider.js		
	GroupListTasklet.js		
	GroupManager.js		
	GroupManagerActions.js		
	GroupManagerFormatter.js		
	GroupMenuFmtScope.js		
	GroupNavigator.js		
	Groups.js		
	GroupTabOptionsPage.ascx.cs		
	GroupsTitlePaneConfigProvider.js		
	HelpAboutDialog.html		
	HelpAboutDialog.js		
	HelpMenu.js		
	Hide_Details_active_16x16.gif		
	Hide_Details_inactive_16x16.gif		
	History.HistoryAssociation. 3265610118c74604af81f08806ea75f0.relationship.xml		
	HistoryAssociation.HISTORYASSOCIATION.entity.xml		
	HistoryEditor.html		
	HistoryEditor.js		
	HistoryEditorAttendeesTab.js		
	ImportHistory.Owner. 9d360c431e474a0e9671a2e0f8a44399.relationship.xml		

File Name	File Contents	File Version	
	ImportTemplate.Owner. a615dbe817224240a76944d3523832ed.relationship.xml		
	ImportWizardController.js		
	index.html		
	index.js		
	inforSoHoXi.css		
	IONWF CurrentDate Notifcation Job.trigger.xml		
	IONWorkflow.IONWORKFLOW.entity.xml		
	IonWorkflow.js		
	IONWorkflow.WorkflowInstance. d64e64bd52bc40b0abf036a664bc8328.relationship.xml		
	IONWorkflowDefinition.IONWORKFLOWDEFINITION.entity.xml		
	IONWorkflowDefinition.WorkflowInstance. 431a90c95f004b0097dab4c44c6deb20.relationship.xml		
	IONWorkflowDefinition.WorkflowProperty. c949895f65e34517b03d7e9e430be165.relationship.xml		
	IONWorkflowDefinition.WorkflowStep. 67bf9b0d0ad24aba987462aef5e9a31f.relationship.xml		
	IONWorkflowHelper.js		
	JobManagerActions.js		
	layout.css		
	layout-ie.css		
	Lead.HistoryAssociation. 8f46feddfd634684b4d5add833ad5456.relationship.xml		
	Lead.LEAD.entity.xml		
	Lead.LeadAddress. fc87829494d543bc832ad484704b201d.relationship.xml		
	Lead.LeadSource. 4fa2aca4a61a4ff9ac8eaf5472e03bfe.relationship.xml		
	Lead.Owner. 2b1e4554b4e0458188b33c040d1b45a1.relationship.xml		
	Lead.QualificationCategory. 156348baa9574475a11043703308525c.relationship.xml		
	Lead.User. de2b58942ab045c089158991297a9865.relationship.xml		
	LeadAddress.LEAD_ADDRESS.entity.xml		
	LeadHistory.Owner. 3f61bd3274f944d89831b37f096f1272.relationship.xml		
	LeadImportMap.User. ec46086a5dc04229a02c3d35a77af4c8.relationship.xml		
	LeadQualification.Lead. da89801699a74bd8b5d1984770f488a0.relationship.xml		

File Name	File Contents	File Version	
	LeadQualification.Qualification. 8538358630c74d0c80fce7235447d8aa.relationship.xml		
	LeadSource.LEADSOURCE.entity.xml		
	LeadSyncView.Lead. 9fb41c91e3464ac7bcc79007c6e13e27.relationship.xml		
	Link.js		
	LinkHandler.cs		
	ListPanel.js		
	LiteratureManagementTasks.js		
	LitRequest.User. b1658b80eba346d1ade58ddeecd7b2ca.relationship.xml		
	LitRequest.User. cb24770b3c944615b78fb5fcc9e9766e.relationship.xml		
	load-css.js		
	LookupFilter.js		
	MailKit.dll	2.6.0.0	
	MailMergeService.js		
	MailMergeService_*.js		
	main.css		
	main.js		
	manifest.xml		
	MarketingServiceCampaign.Campaign. a3228127a9774703aeee82be85989b65.relationship.xml		
	MarketingServiceUserInfo.User. 50bdbc3226434bc99b7ad85282eeec9d.relationship.xml		
	marketo-styles.css		
	meeting_14x14.png		
	Meeting_16x16.gif		
	MenuBar.js		
	Microsoft.Exchange.WebServices.dll	0.0.0.0	
	MimeKit.dll	2.6.0.0	
	misc.js		
	mouse.js		
	MultiSelectPickList.js		
	Name.js		
	NavBarPane.js		
	NotesHistoryList.js		
	Notification.filter.xml		
	oauth2-redirect.html		
	OccurrenceOrSeriesQueryDlg.js		

File Name	File Contents	File Version	
	OfficeIntegrationSetup.exe	8.40.3468.0	
	OfficeProfile.BRANCHOPTIONS.entity.xml		
	OnAfterDelete.method.xml		
	OnAfterInsert.method.xml		
	OnAfterUpdate.method.xml		
	OnBeforeDelete.method.xml		
	OnBeforeInsert.method.xml		
	OnBeforeUpdate.method.xml		
	OnCreate.method.xml		
	Opportunity.Account. 1b0ae472e330478cb61e4209e5eb69d1.relationship.xml		
	Opportunity.ForecastOpportunity .b513d54d6c014784a05c6714d37bd971.relationship.xml		
	opportunity.gif		
	Opportunity.LeadSource. 6e30ba9e02d54bfaba85593818d905a6.relationship.xml		
	Opportunity.OPPORTUNITY.entity.xml		
	Opportunity.Owner. 9be9544a1278435a9ce2330818ca6ef9.relationship.xml		
	Opportunity.Quote. 5e346f94a35b4df8b93b3d7620218920.relationship.xml		
	Opportunity.SlxLocation. 2e7a7786b8154bbab325e58ca67c79e8.relationship.xml		
	Opportunity.User. 779261975e7d41719d9ae3c0405c32bd.relationship.xml		
	Opportunity.User. a080ed44912c46d6beb5e480c3fbdd65.relationship.xml		
	Opportunity.User. df253243ba7c49509e6aee8c45bcd6fa.relationship.xml		
	OpportunityCountrySummaryView .OPPORTUNITYCOUNTRYSUMMARYVIEW.entity.xml		
	OpportunityDirectorSummaryView .OPPORTUNITYDIRECTORSUMMARYVIEW.entity.xml		
	OpportunityProductSummaryView .OPPORTUNITYPRODUCTSUMMARYVIEW.entity.xml		
	OpportunityRegionSummaryView .OPPORTUNITYREGIONSUMMARYVIEW.entity.xml		
	OpportunityRSMSummaryView. OPPORTUNITYRSMSUMMARYVIEW.entity.xml		

File Name	File Contents	File Version	
	OpportunityStateSummaryView. OPPORTUNITYSTATESUMMARYVIEW.entity.xml		
	OpportunityTasksTasklet.js		
	Owner.Account. d61c1c9189f44baa83d7cfc02e81572e.relationship.xml		
	Owner.ERPInvoice. aafbd5bd0d9441169f0f64ce3728ae75.relationship.xml		
	package.json		
	Pagination.js		
	PercentOfQuota.method.xml		
	PeriodClosedWonAmount.method.xml		
	PeriodPipelineAmount.method.xml		
	PeriodQuotaAmount.method.xml		
	personal_14x14.png		
	Personal_16x16.gif		
	Phone.js		
	PickList.js		
	plus_16x16.gif		
	plus_16x16.png		
	PricingAndAvailability.js		
	PricingAvailabilityWidget.html		
	PricingAvailabilityWidget.js		
	Print_View_16x16.gif		
	ProductLocation.PRODUCTLOCATION.entity.xml		
	ProductLocationView.PRODUCTLOCATIONVIEW.entity.xml		
	ProductLocationView.UnitOfMeasure .13d1b9cd308a4bb6b264ab5b0bf62f03.relationship.xml		
	ProductMasterDataEnabledView .PRODUCTMASTERDATAENABLEDVIEW.entity.xml		
	ProductMasterDataEnabledView.UnitOfMeasure .246e7b061b2244bc948172464853241d.relationship.xml		
	PromoteWidget.js		
	PullInOpportunities.method.xml		
	QBAddCondition.ascx		
	QBAddCondition.js		
	Quartz.dll	2.4.1.1	
	QueryBuilder.js		
	QueryBuilderMain.ascx		
	QueryBuilderMain.ascx.resx		

File Name	File Contents	File Version	
	QueryBuilderMain.js		
	quickform.css		
	quill.bubble.css		
	quill.js		
	quill.snow.css		
	Quota.QUOTA.entity.xml		
	Quote.Contact. 60e89e58df1f4d9bbcc20140cb3f6c34.relationship.xml		
	Quote.Contact. 638f65a73d0e46b6ae1dd781550f1cdb.relationship.xml		
	Quote.Owner. c0fde2ce3ff04c2b906f14128d0284c0.relationship.xml		
	Quote.QUOTE.entity.xml		
	Quote.QuoteAddress. 61a1088f524d4d6699a359ec0477d640.relationship.xml		
	Quote.QuoteAddress. c1260b45852049d2a796d7f3babc0315.relationship.xml		
	Quote.SalesOrder. 8838b672ebe64909bdb46c1f20d3b12e.relationship.xml		
	Quote.SlxLocation.1276d2d0f21640798e15ff59bc39415a .relationship.xml		
	Quote.SlxLocation.addbc1aa96ef4d2bb09a00bbc7c0b57d .relationship.xml		
	Quote.User.4f37c5fb4a5a4545b3c472b7ebebbd3e.relationship.xml		
	QuoteItem.OpportunityProduct. dd13a40970554b4bb6533d8ee99dabe7.relationship.xml		
	QuoteItem.QUOTEITEM.entity.xml		
	QuoteTasksTasklet.js		
	README.md		
	Recurring.filter.xml		
	recurring.png		
	recurring_14x14.png		
	reddot.gif		
	refresh.png		
	Report.js		
	Report_*.js		
	Report-Combined.js		
	RePriceOrderOnShippingChange.method.xml		
	RePriceQuoteOnShippingChange.method.xml		

File Name	File Contents	File Version	
	Reset_16x16.png		
	Return.RMA.entity.xml		
	Review.html		
	Review.js		
	RoleTasklet.js		
	Sage.js		
	Sage.Platform.Application.dll	8.4.0.3159	
	Sage.Platform.Application.UI.Web.dll	8.4.0.2668	
	Sage.Platform.BundleModel.dll	8.4.0.3463	
	Sage.Platform.Caches.Memcached.dll	8.4.0.2668	
	Sage.Platform.Design.dll	8.4.0.2367	
	Sage.Platform.dll	8.4.0.3463	
	Sage.Platform.FileSystem.dll	8.4.0.2668	
	Sage.Platform.Mashups.dll	8.4.0.2367	
	Sage.Platform.Orm.CodeGen.dll	8.4.0.3463	
	Sage.Platform.Projects.dll	8.4.0.3159	
	Sage.Platform.QuickForms.dll	8.4.0.2367	
	Sage.Platform.Scheduling.SData.dll	8.4.0.2367	
	Sage.Platform.SDataServices.dll	8.4.0.3463	
	Sage.Platform.VirtualFileSystem.dll	8.4.0.3159	
	Sage.Platform.WebPortal.Design.dll	8.4.0.2367	
	Sage.Platform.WebPortal.dll	8.4.0.2668	
	Sage.SalesLogix.Activity.dll	8.4.03463	
	Sage.SalesLogix.API.dll	8.4.0.3159	
	Sage.SalesLogix.BusinessRules.dll	8.4.0.3463	
	Sage.SalesLogix.BusinessRules.Jobs. IONWFCurrentDateNotificationJob.job.xml		
	Sage.SalesLogix.Client.GroupBuilder.dll	8.4.0.3463	
	Sage.SalesLogix.Client.GroupBuilder.Modules.dll	8.4.0.3463	
	Sage.SalesLogix.Client.IntegrationContract.Modules.dll	8.4.0.3463	
	Sage.SalesLogix.Client.MailMerge.dll	8.4.0.2668	
	Sage.SalesLogix.Client.Reports.dll	8.4.0.2668	
	Sage.SalesLogix.Client.Reports.Helper.dll	8.4.0.2668	
	Sage.SalesLogix.dll	8.4.0.2668	
	Sage.Saleslogix.GlobalCrmContractAdapter.dll	8.4.0.3463	
	Sage.SalesLogix.HighLevelTypes.dll	8.4.0.2367	
	Sage.SalesLogix.IntegrationContract.dll	8.4.0.3463	
	Sage.Saleslogix.IntegrationContract.SyncEngine.dll	8.4.0.2668	

File Name	File Contents	File Version	
	Sage.SalesLogix.PickLists.dll	8.4.0.3159	
	Sage.SalesLogix.PickLists.IPickListService.service.xml		
	Sage.SalesLogix.Plugins.dll	8.4.0.2367	
	Sage.SalesLogix.Process.Activities.dll	8.4.0.2367	
	Sage.SalesLogix.QuickForms.QFControls.dll	8.4.0.3463	
	Sage.SalesLogix.SchemaSupport.dll	8.4.0.2668	
	Sage.SalesLogix.Security.dll	8.4.0.3159	
	Sage.SalesLogix.Services.PotentialMatch.dll	8.4.0.2367	
	Sage.SalesLogix.Services.SpeedSearch.dll	8.4.0.2367	
	Sage.SalesLogix.System.dll	8.4.0.2668	
	Sage.SalesLogix.SystemAdapter.dll	8.4.0.3463	
	Sage.SalesLogix.Web.Controls.dll	8.4.0.3463	
	Sage.SalesLogix.Web.dll	8.4.0.3463	
	Sage.SalesLogix.WebUserOptions.dll	8.4.0.3463	
	Sage.Scheduling.Client.dll	8.4.0.2367	
	Sage.Scheduling.dll	8.4.0.3159	
	Sage.SnippetLibrary.CSharp.@.026bbf90-bc09-4c82-b016-e8c61922c41d.codesnippet.cs		
	Sage.SnippetLibrary.CSharp.@.7ea72dda-3aff-409e-ae4d-31cf8bc44cbb.codesnippet.cs		
	Sage.SnippetLibrary.CSharp.@.d6153d3b-6278-4ea5-8abf-87a397fbc76c.codesnippet.cs		
	Sage_*.js		
	Sage-Combined.js		
	sage-controls.css		
	sage-controls-timeline.js		
	sage-platform.css		
	sage-platform-integrationcontractservice.js		
	sage-platform-tabworkspace.js		
	sageStyles.css		
	sage-styles.css		
	Saleslogix.Geocode.dll	8.4.0.3159	
	Saleslogix.Import.dll	8.4.0.2668	
	Saleslogix.Integration.BOE.Common.dll	8.4.0.3463	
	Saleslogix.Integration.BOE.Jobs.dll	8.4.0.3463	
	Saleslogix.Integration.BOE.PriceAndAvailability.dll	8.4.0.3463	
	SalesLogix.Integration.Marketo.API.dll	8.4.0.2668	
	SalesLogix.Integration.Marketo.dll	8.4.0.3159	

File Name	File Contents	File Version	
	Saleslogix.Reporting.API.dll	8.4.0.2668	
	Saleslogix.Reporting.dll	8.4.0.3463	
	Saleslogix.ReportingJobs.dll	8.4.0.3463	
	Saleslogix.SDataSyncJob.dll	8.4.0.3463	
	SalesOrder.AppIdMapping. 00b159de0584473fa4ba6a1f88b3c8b7.relationship.xml		
	Salesorder.Contact. 2f69f4279cdc4ee9be2c0f2d9580a3e3.relationship.xml		
	Salesorder.Contact. 569fc7a8e5044cb6a3247ac152635c47.relationship.xml		
	SalesOrder.Owner. 13200822be024f2492f74a229612cecf.relationship.xml		
	SalesOrder.SALESORDER.entity.xml		
	SalesOrder.SalesOrderAddress. 29b49d41c9e14eb0a351dfcd2af1b312.relationship.xml		
	SalesOrder.SalesOrderAddress. 0070c24f7693413ba46a0bf451db2c88.relationship.xml		
	SalesOrder.SlxLocation .485057683f4549caa80e5b1b7f5833be.relationship.xml		
	SalesOrder.SlxLocation .b4fbc359669e4e8b99e7fd66ae7f3630.relationship.xml		
	SalesOrder.User. e52a3f367d1b4ed191e2d4f1f1a6d7d2.relationship.xml		
	SalesOrderTasksTasklet.js		
	Save_16x16.gif		
	Schedule_To_Do_16x16.gif		
	ScheduleCompleteActivity.js		
	SData.js		
	SDataLookup.js		
	SearchConditionWidget.js		
	SecurityManager.js		
	SelectFile.html		
	SelectFile.js		
	Send_Write_email_16x16.png		
	Service.js		
	SetEndDate.method.xml		
	SetFormattedDescription.method.xml		
	ShareGroup.ascx		
	ShareGroup.js		
	Show_Details_active_16x16.gif		

File Name	File Contents	File Version	
	Show_Details_inactive_16x16.gif		
	SingleSelectPicklist.js		
	SlxBase.css		
	SlxLink.js		
	SlxLocationAccountingEntity. SLXLOCATIONACCOUNTINGENTITY.entity.xml		
	SpeedSearch.ascx.cs		
	SpeedSearch.js		
	SpeedSearchLookup.js		
	StartDate.filter.xml		
	SummaryFormatterScope.js		
	supportonline_favicon.png		
	swagger.yaml		
	swagger-ui.css		
	swagger-ui.css.map		
	swagger-ui.js		
	swagger-ui.js.map		
	swagger-ui-bundle.js		
	swagger-ui-bundle.js.map		
	swagger-ui-standalone-preset.js		
	swagger-ui-standalone-preset.js.map		
	sync_all_16x16.png		
	SyncHistoryTasksTasklet.js		
	TakeSnapshot.method.xml		
	Task_List_3D_24x24.gif		
	Team.Owner. a7a96fd2d75d4b349697354f36af0c2a.relationship.xml		
	theme.css		
	Ticket.Owner .2b61dc2c3490438cad8a23954c1c48f8.relationship.xml		
	Ticket.Owner. 4ade667b57664af0833c88afd0ae8437.relationship.xml		
	Ticket.Owner. 9aafd81f97954fcb81e550d49100c620.relationship.xml		
	Ticket.Owner. 9ed909cae93f4ccb94795bf4a71441be.relationship.xml		
	Ticket.TICKET.entity.xml		
	Ticket.Urgency. 75a607cd28d047bb8e5de7679bfd46fe.relationship.xml		

File Name	File Contents	File Version	
	TicketAccountProduct.AccountProduct. a59bcc7d690341a2af0de6a74983612f.relationship.xml		
	TicketActivity.TicketActivityRate. 7ba0894d49734220b7114021bb8c7ded.relationship.xml		
	TicketActivity.User.7944164128cd4d54a5dc7ff31c5584ef.relationship.xml		
	TicketActivityItem.Product. c3b7d602c3a04a41a2f474ad1a358be4.relationship.xml		
	TicketAreaOwner.Owner. 65b8070b71784647808ef07d94597a86.relationship.xml		
	Timeless.filter.xml		
	timeline-bundle.css		
	TitleContentPane.js		
	To_Do_14x14.png		
	To_Do_16x16.gif		
	To_Do_24x24.gif		
	URL.js		
	User.Owner. 14a709f41ba948c68c8bdb72681569d3.relationship.xml		
	User.Quota.8d6078afd5bb42fc841019d4bc47e780 .relationship.xml		
	User.USERSECURITY.entity.xml		
	UserActivity.User. 6a42694200174057ad939e17763bacab.relationship.xml		
	UserInfo.Address. 2b44b615e79c49d6bc0a38d0b8bcda49.relationship.xml		
	UserInfo.Address. 070b0c31131e45f3a5e25318c262320a.relationship.xml		
	UserInfo.Address. f74761a81a84468c80d262763e23ccec.relationship.xml		
	UserInfo.User.USERINFO.entity.xml		
	UserIntegrationMap.USERINTEGRATIONMAP.entity.xml		
	UserService.js		
	UserTasklet.js		
	Utility.js		
	WidgetEditor.js		
	WorkflowInstance.WORKFLOWINSTANCE.entity.xml		
	WorkflowInstance.WorkflowStepInstance. 867ed35715a149c78564e0654cef73b4.relationship.xml		
	WorkflowProperty.WORKFLOWPROPERTY.entity.xml		
	WorkflowStep.WORKFLOWSTEP.entity.xml		
	WorkflowStepInstance.WORKFLOWSTEPINSTANCE.entity.xml		

File Name	File Contents	File Version	
	yellowdot.gif		
OfficeIntegrationSetup.exe			
	MailMerge.chm		
	SLXDocW.dll	8.4.0.2368	
	SLXFaxW.dll	8.4.0.1140	
	SLXFramer.ocx	8.4.0.1140	
	SLXMMEngineW.dll	8.4.0.3468	
	SLXMMGUIW.dll	8.4.0.2368	
	SLXWinFaxW.dll	8.4.0.1140	
ICRM v8.4 Core 04 VFS Actions.zip			
	Create database object ■ ACCOUNT_INTEGRATION_CHANGE (MSSQL) ■ ACTIVITY_INT_INSTEAD_INS(MSSQL) ■ ACTIVITY_INTEGRATION_CHANGE (MSSQL) ■ ACTIVITY_INTEGRATION_INSERT (MSSQL) ■ ACTIVITYATTENDEE_INT_INSTEAD_INS (MSSQL) ■ ACTIVITYATTENDEE_INTEGRATION_CHANGE (MSSQL) ■ ADDRESS_INT_INSTEAD_INS (MSSQL) ■ ADDRESS_INTEGRATION_CHANGE (MSSQL) ■ ADDRESS_INTEGRATION_DELETE (MSSQL) ■ ADDRESS_INTEGRATION_INSERT (MSSQL) ■ ADHOCGROUP_INTEGRATION_INSERT (MSSQL) ■ ADHOCGROUP_INTEGRATION_TOMBSTONE (MSSQL) ■ Alter AccountAccountingEntity (MSSQL) ■ Alter AccountAccountingEntity (Oracle) ■ Alter BackOfficeMappingView (MSSQL) ■ Alter BackOfficeMappingView (Oracle) ■ BackOfficeMappingView (MSSQL) ■ BackOfficeMappingView (Oracle) ■ BodFieldMapping_Quote_ISACTIVE (All) ■ BRANCHOPTIONS_USECUSTOMERPORTALHELP_ USECUSTOMWEBHELP (MSSQL) ■ BRANCHOPTIONS_USECUSTOMERPORTALHELP_ USECUSTOMWEBHE(All)		

File Name	File Contents	File Version	
	■ CONTACT_INT_INSTEAD_INS (MSSQL) ■ CONTACT_INTEGRATION_CHANGE (MSSQL) ■ CONTACT_INTEGRATION_INSERT (MSSQL) ■ CONTACT_TOMBSTONE (MSSQL) ■ CreateBoeAckStatusDefinition(Oracle) ■ CreateBackOfficeMappingViews(MSSQL) ■ CreateBackOfficeMappingViews(Oracle) ■ Create_Primary_Key_Clustered_For_Quote (MSSQL) ■ Create_Primary_Key_Clustered_For_ERPInvoice (MSSQL) ■ Create_Primary_Key_Clustered_For_ERPReceivable (MSSQL) ■ Create_Primary_Key_Clustered_For_ERPShipment (MSSQL) ■ Create_Primary_Key_Clustered_For_ERPBillTo (MSSQL) ■ Create_Primary_Key_Clustered_For_ERPShipTo (MSSQL) ■ CRMREFIXFORROLES (All) ■ CustomSetting (All) ■ Default Help Url (MSSQL) ■ Default Help Url (Oracle) ■ DefaultIncludeErpFreight (All) ■ DeletePrimaryAddressOnly (All) ■ Drop EXCHANGERATE_PK Index (Oracle) ■ ERPINVOICEVIEW (MSSQL) ■ ERPINVOICEAGINGVIEW (MSSQL) ■ ERPINVOICEVIEW (Oracle) ■ ERPINVOICEAGINGVIEW (Oracle) ■ ERPBILLTOINVOICEAGINGVIEW (MSSQL) ■ ERPBILLTOINVOICEAGINGVIEW (Oracle) ■ ERPSHIPTOINVOICEAGINGVIEW (MSSQL) ■ ERPSHIPTOINVOICEAGINGVIEW (Oracle) ■ ExchangeRate (All) ■ Fix DB_OBJECTDEFINITION OBJECTNAME Fields (all)		

File Name	File Contents	File Version	
	■ Insert ExchangeSync: Complete Exchange Appointments record (MSSQL) ■ Insert ExchangeSync: Complete Exchange Appointments record (Oracle) ■ Insert ExchangeSync: Notify Members of Completions record (MSSQL) ■ Insert ExchangeSync: Notify Members of Completions record (Oracle) ■ OPPORTUNITYACCOUNTMANAGERVIEW (MSSQL) ■ OPPORTUNITYDIRECTORVIEW (MSSQL) ■ OPPORTUNITYPRODUCTVIEW (MSSQL) ■ OPPORTUNITYREGIONVIEW (MSSQL) ■ OPPORTUNITYSTATEVIEW (MSSQL) ■ OPPORTUNITYCOUNTRYVIEW (MSSQL) ■ OPPORTUNITYCOUNTRYSUMMARYVIEW (MSSQL) ■ OPPORTUNITYDIRECTORSUMMARYVIEW (MSSQL) ■ OPPORTUNITYPRODUCTSUMMARYVIEW (MSSQL) ■ OPPORTUNITYREGIONSUMMARYVIEW (MSSQL) ■ OPPORTUNITYRSMSUMMARYVIEW (MSSQL) ■ OPPORTUNITYSTATESUMMARYVIEW (MSSQL) ■ OPPORTUNITYACCOUNTMANAGERVIEW (Oracle) ■ OPPORTUNITYDIRECTORVIEW (Oracle) ■ OPPORTUNITYPRODUCTVIEW (OracleL) ■ OPPORTUNITYREGIONVIEW (Oracle) ■ OPPORTUNITYSTATEVIEW (Oracle) ■ OPPORTUNITYCOUNTRYVIEW (Oracle) ■ OPPORTUNITYCOUNTRYSUMMARYVIEW (Oracle) ■ OPPORTUNITYDIRECTORSUMMARYVIEW (Oracle) ■ OPPORTUNITYPRODUCTSUMMARYVIEW (OracleL) ■ OPPORTUNITYREGIONSUMMARYVIEW (Oracle) ■ OPPORTUNITYRSMSUMMARYVIEW (Oracle) ■ OPPORTUNITYSTATESUMMARYVIEW (Oracle)		

File Name	File Contents	File Version	
	■ PRODUCTLOCATIONVIEW (MSSQL) ■ PRODUCTLOCATIONVIEW (Oracle) ■ PRODUCTMASTERDATAENABLEDVIEW (Oracle) ■ PRODUCTMASTERDATAENABLEDVIEW (MSSQL) ■ QUOTEITEMSUMMARYVIEW (MSSQL) ■ Restrict the data for SESSIONSECTOKENCACHE (All) ■ RESYNCTABLEDEFS(All) ■ SECTABLEDEFS (All) ■ SESSIONSECTOKENCACHE (MSSQL) ■ SessionSecTokenCacheView (MSSQL) ■ SessionSecTokenCacheCountView (MSSQL) ■ SESSIONSECTOKENCACHE (Oracle) ■ SESSIONSECTOKENCACHEVIEW (Oracle) ■ SESSIONSECTOKENCACHECOUNTVIEW (Oracle) ■ SetFinancialSettingsDefaults ■ UpdateInforSorLocation (All) ■ UpdateLocalPricingCustomSettings (All) ■ Update_Picklist_ID (All) ■ Update_SecTableDefs_ActivityOccurrenceStartDate (All) ■ Update_SecTableDefs_OpportunityCloseDate (All) ■ UPDATE_SYSTEMINFO_COREVERSION ■ UpdateTenantCustomSetting (All) ■ Update SecuredActionItem (MSSQL) ■ UpdateSystemInforCoreVersion (All) ■ UpdateWorkFlowTyp (All) ■ USERACTIVITY_INT_INSTEAD_INS (MSSQL) ■ USERACTIVITY_INTEGRATION_CHANGE (MSSQL) ■ USERACTIVITY_TOMBSTONE (MSSQL) ■ USERHIERARCHYVIEW (MSSQL) ■ USERHIERARCHYVIEW (Oracle) ■ VIRTUALFILESYSTEM_UPPER (Oracle)		

File Name	File Contents	File Version	
	Create Table ■ PRODUCTLOCATION ■ SESSIONSECTOKENCACHE Create Field ■ BRANCHOPTIONS.ANONYMOUSUSAGE ■ IONWORFLOWDEFINITION.USERNAMEPROPERTY ■ SALESORDER.INCLUDEERPFREIGHT ■ SALESORDERITEMS.OVERRIDEPRICING ■ SYSBOEOUTBOUNDTXN.JOBDATA ■ QUOTEITEM.OVERRIDEPRICING ■ QUOTE.INCLUDEERPFREIGHT Insert Record(s) ■ BACKOFFICE ■ BACKOFFICEACCTENTITY ■ BODMAPPING ■ BODFIELDMAPPING ■ COUNTRYALIAS_DATA ■ COUNTRYCODEMAPPING ■ CUSTOMSETTINGS ■ EXCHANGERATE ■ FORECASTSUMMARY ■ JOINDATA ■ INTEGRATION ■ IONWORKFLOWDEFINITION ■ IONWORKFLOWMAPPING ■ LINKEDINCONFIGURATION ■ MARKETOENTITYMAP ■ MARKETOMAPFIELD ■ PERIOD ■ PROVIDER ■ SECPROFILE ■ USEROPTIONDEF ■ VIRTUALFILESYSTEM		

File Name	File Contents	File Version	
	Insert Picklist ■ Action Types ■ Address Description (Account) ■ ErpInvoiceStatus ■ Forecast Status ■ Frequencies ■ Marketo Data Type ■ Marketo Field Type ■ Marketo Run Schedule ■ Marketo Sales Insight Tab ■ SyncStatus		
	Create Index ■ ACTIVITYASSOCIATION.ACTIVITYASSOCIATION_ACTIVITYID ■ ACTIVITYASSOCIATION.ACTIVITYASSOCIATION_ENTITYID ■ HISTORYASSOCIATION.HISTORYASSOCIATION_ENTITYID ■ HISTORYASSOCIATION.HISTORYASSOCIATION_HISTORYID ■ FORECAST.FORECAST_PRIMARY ■ FORECAST.FORECAST_ASSIGNETOID ■ FORECASTAUDIT.FORECASTAUDIT_FORECASTID ■ FORECASTUDIT.FORECASTAUDIT_PRIMARY ■ FORECASTOPPORTUNITY.FORECASTOPPORTUNITY_PRIMARY ■ FORECASTOPPORTUNITY.FORECASTOPPORTUNITY_ OPPORTUNITYID ■ FORECASTOPPORTUNITY.FORECASTOPPORTUNITY_FORECASTID ■ FORECASTSNAPSHOT.FORECASTSNAPSHOT_FORECASTID ■ FORECASTSNAPSHOT.FORECASTSNAPSHOT_PRIMARY ■ MARKETOLEAD.CONTACTID ■ MARKETOLEAD.EMAIL ■ MARKETOLEAD.LEADID ■ MARKETOLEAD.MARKETOPERSON ■ MARKETOLEADACTIVITY.LEADID ■ MARKETOLEADACTIVITY.MARKETOACTIVITY ■ MARKETOLEADACTIVITY.MARKETOLEAD		

File Name	File Contents	File Version	
	■ PRODUCT.PRODUCT_ACTUALID ■ PRODUCT.PRODUCT_NAME ■ PRODUCT.PRODUCT_STATUS ■ PRODUCTPROGRAM.PRODUCTPROGRAM_PRODUCTID ■ QUOTA.QUOTA_QUOTAID_PK ■ QUOTA.QUOTA_USERID ■ QUOTE.QUOTE_ALTERNATEKEYPREFIX ■ QUOTE.QUOTE_ALTERNATEKEYSUFFIX ■ DEFECT.DEFECT_ALTERNATEKEYPREFIX ■ DEFECT.DEFECT_ALTERNATEKEYSUFFIX ■ SALESORDER.SALESORDER_ALTERNATEKEYPREFIX ■ SALESORDER.SALESORDER_ALTERNATEKEYSUFFIX ■ TICKET.TICKET_ALTERNATEKEYPREFIX ■ TICKET.TICKET_ALTERNATEKEYSUFFIX ■ SICUSTOMER.SICUSTOMER_SICUSTOMERID_PK ■ SIRATIONALE.SIRATIONALE_SIRATIONALEID_PK ■ SIRECOMMENDATION.SIRECOMMENDATION_ SIRECOMMENDATION_PK		
	Custom Settings ■ [ExchangeSync] Notify Members of Completion = True		

File Name	File Contents	File Version	
	Install Plugin ■ ACOGroup:OPPORTUNITY:My Pipeline (Infor 8.401) ■ ACOGroup:OPPORTUNITY:30-60DayForecast (Infor 8.404) ■ ACOGroup:OPPORTUNITY:30DayForecast (Infor 8.401) ■ ACOGroup:OPPORTUNITY:61PlusDayForecast (Infor 8.404) ■ ACOGroup:OPPORTUNITY:My Pipeline (Infor 8.401) ■ CrystalReport:Account:Account Detail (Infor 8.401) ■ CrystalReport:Defect:Support Defect (INFOR 8.401) ■ CrystalReport:History: History by Contact - Sample (Infor 8.401) ■ CrystalReport:Opportunity: Open Opportunities Summary (Infor 8.401) ■ CrystalReport:Opportunity: Opportunity Detail (Infor 8.402) ■ CrystalReport:Opportunity: Open Opportunities By Account (Infor 8.401) ■ CrystalReport: Quote: Quote Detail (Infor 8.401) ■ CrystalReport: Quote: Quotation (Infor 8.401) ■ CrystalReport:Ticket:Support Ticket (Infor 8.401) ■ DashboardPage System: My Dashboard (SalesLogix 8.4.02) ■ DashboardWidget System:Bar Chart(Infor 8.402) ■ DashboardWidget System:Group List (Infor 8.401) ■ DashboardWidget System:Opportunity Forecast (Infor 8.403)		

File Name	File Contents	File Version	
	■ Group:ACTIVITY:Alarms (Infor 8.404) ■ Group:ACTIVITY:All Open (Infor 8.404) ■ Group:ACTIVITY:Confirmations (Infor 8.404) ■ Group:ACTIVITY:My Activities (Infor 8.404) ■ Group:ACTIVITY:Past Due (Infor 8.404) ■ Group:ACTIVITY:Unconfirmed (Infor 8.404) ■ Group:AREACATEGORYISSUE: All (Infor 8.401) ■ Group:AREACATEGORYISSUE: CategoriesWithoutIssues (Infor 8.401) ■ Group:AREACATEGORYISSUE: AreasWithoutIssues(Infor 8.402) ■ Group:AREACATEGORYISSUE: AreasWithoutCategories (Infor 8.401) ■ Group:CUSTOMSETTINGS: All Custom Settings (Infor 8.403) ■ Group:DEFECTACTIVITYRATE:AllRates (Infor 8.401) ■ Group:DEDUPRESULT:AllDeDupResults (Infor 8.401) ■ Group:ERPINVOICE:Open (Infor 8.401) ■ Group:ERPINVOICE:PartialPaid (Infor 8.401) ■ Group:ERPPERSON:ActivePersons (Infor 8.401) ■ Group:ERPPERSON:AllPersons (Infor 8.401) ■ Group:ERPPERSON:DeletedPersons (Infor 8.401) ■ Group:ERPPERSON:InactivePersons (Infor 8.401) ■ Group:ERPRECEIVABLE:All Receivables (Infor 8.401) ■ Group:ERPSHIPMENT:MyShipments (Infor 8.401) ■ Group:ERPSHIPMENT:AllShipment (Infor 8.401) ■ Group:EVENT:All Events (Infor 8.404) ■ Group:EXCHANGERATE:All Exchange Rates (Infor 8.401) ■ Group:FORECASTSUMMARY: PipelineByManager (Infor 8.403) ■ Group:FORECASTSUMMARY: PipelineByRSM (Infor 8.403) ■ Group:FORECASTSUMMARY: PipelineByRegion (Infor 8.403) ■ Group:FORECASTSUMMARY: PipelineByProduct (Infor 8.403) ■ Group:FORECASTSUMMARY: PipelineByCountry (Infor 8.403) ■ Group:FORECAST: AllForecasts (Infor 8.403) ■ Group:FORECAST: MyForecasts (Infor 8.403) ■ Group:INTEGRATION:AllIntegrations (Infor 8.401) ■ Group:LITREQUEST:All Open (Infor 8.401) ■ Group:LITREQUEST:All Open (Infor 8.404) ■ Group:LITREQUEST:My Literature Requests(Infor 8.404) ■ Group: MARKETOSESSIONLOG:All Session Log Entries (Infor 8.401) ■ Group:MARKETOLEAD: All Marketo Leads (Infor 8.401)		

File Name	File Contents	File Version	
	■ Group:pDEMOA00018Q: PipelineByCountry (Infor 8.403) ■ Group:PERIOD:All Periods (Infor 8.401) ■ Group:QUOTA: MyQuotas (Infor 8.403) ■ Group:QUOTA: AllQuotas (Infor 8.403) ■ Group:SYSBOEOUTBOUNDTXN:AllTransactions (Infor 8.404) ■ Group:TICKETACTIVITYRATE:AllTicketActivityRates (Infor 8.401)		
	Add Secured Action(s) ■ Administration/GroupManager/Groups/ToggleUserDefault ■ Administration/SwaggerAPI/View ■ Entities/Account/PromoteToMarketo ■ Entities/Account/DeleteFromMarketo ■ Entities/ExchangeRate/View ■ Entities/Forecast/Add ■ Entities/Forecast/Edit ■ Entities/Forecast/Delete ■ Entities/Forecast/View ■ Entities/JobManager/ViewAllExecutions ■ Entities/JobManager/ViewAllTriggers ■ Entities/Lead/CancelIONWorkflow ■ Entities/Lead/InitiateWorkflow ■ Entities/MarketoLeads/View ■ Entities/MarketoSessionLog/View ■ Entities/Opportunity/CancelIONWorkflow ■ Entities/Opportunity/ConvertToQuote ■ Entities/Opportunity/DeleteFromMarketo ■ Entities/Opportunity/Import ■ Entities/Opportunity/InitiateWorkflow ■ Entities/Opportunity/Promote ■ Entities/Opportunity/PromoteToMarketo ■ Entities/Opportunity/RePriceOpportunity ■ Entities/Period/DatedExchangeRate/View ■ Entities/Period/ModifyPeriod ■ Entities/Quota/Add ■ Entities/Quota/Edit ■ Entities/Quota/Delete ■ Entities/Quota/View		

File Name	File Contents	File Version	
	■ Entities/Quote/CancelIONWorkflow ■ Entities/Quote/EditShippingCharge ■ Entities/Quote/InitiateWorkflow ■ Entities/Quote/GetOrderTotal ■ Entities/Quote/OverridePricing ■ Entities/Quote/RePriceQuote ■ Entities/Role/Promote ■ Entities/SalesOrder/CancelIONWorkflow ■ Entities/SalesOrder/EditShippingCharge ■ Entities/SalesOrder/GetOrderTotal ■ Entities/SalesOrder/InitiateWorkflow ■ Entities/SalesOrder/OverridePricing ■ Entities/SalesOrder/RePriceOrder ■ Entities/Ticket/Import ■ Entities/User/Promote		
	Add Role(s) ■ Administrator ■ Contour ■ CRM-Marketo User ■ Order and Quote Processor ■ Quotas & Forecasting ■ Quota Management ■ Standard User		
Updated ICAA files VFS.zip			
	AddNewAdHocGroup.method.xml		
	ProcessThis.method.xml		
	Sage.SalesLogix.Analytics.dll	3.0.0.0	
	Sage.SalesLogix.Analytics.pdb		
	Sage.SnippetLibrary.CSharp.@.55a856ed-9e39-4678-93aa-ada6b00853cc.codesnippet.cs		
	Sage.SnippetLibrary.CSharp.@.0ff235ab-34d6-4f82-8eed-b22d30e000ec.codesnippet.cs		

Chapter 2
Applying the Update

2

This Web Core Update affects the following portals:

- Process Host
- SData
- Web Client
- Offline Web Client
- Customer Portal
- SLXJobService

Apply this Update to all computers where the following components have already been installed:

- Administrative Tools and Servers
- Application Architect
- Remote Office
- Offline Web Client
- Web Host

If you intend to install only the Core update, your environment must be configured to use the Virtual File System (VFS). If your environment is configured using the Local File System (LFS), you must also apply 8.4 Web Model Update 04, including the steps for updating and merging the tenant.config file. For more information see the Applying Web Model Update 04 for Version 8.4 document.

Install the VFS bundles using the Application Architect, and then build and deploy your Web site(s).

Installing the update

To begin the install

1. Close all Infor CRM applications on the computer to which you are applying the Update.
2. Stop all Infor CRM services on the computer to which you are applying the Update in the following order:
   - Saleslogix Cache Server
   - Saleslogix DBEventing
   - Saleslogix Job Service
   - Saleslogix Messaging Server
   - Saleslogix SData Synchronization Server
   - Saleslogix SpeedSearch
   - Saleslogix Synchronization Service
   - Saleslogix Server
   - Saleslogix System Service
3. Extract the contents of the **Infor_CRM_v840_Web_Core_Update_04.zip** file to a temporary folder.
4. Navigate to the folder where you extracted the Update files and double-click **Infor_CRM_v840_Web_Core_Update_04.exe**.
5. On the **Infor CRM v8.4.0 Web Core Update 04** screen do the following:
   - Select the **Install the Infor CRM Update** option.
     The Update files, including the VFS bundle, are extracted to a temporary folder and are removed once the installation is complete. This option is required for 8.4 Web Core 04.
6. Click **Next**.
7. On the **Welcome** screen, click **Install** to install the patch.
8. If prompted to reboot, click **OK** to allow the reboot.
9. On the **Completed** screen, click **Finished**.

The first time you sign in to Application Architect after applying 8.4.0.04 Web Core 04, you will be prompted to upgrade the Virtual File System (VFS). To confirm the upgrade, click Yes.

Installing VFS bundles

Install VFS .zip bundles using the Application Architect.

To install the bundle

1. Ensure the bundle is not blocked.
   a. Right-click the bundle file and click **Properties**.
   b. On the **General** tab, if there is an **Unblock** button, click it to unblock the file.
      The Unblock button only displays if the file is locked.
   c. Click **Apply**.
   d. Click **OK**.
2. Ensure you have **Write** permissions to the bundle installation folder. Check permissions on the Security tab on the folder properties.

3. Open the **Application Architect**.
4. On the **View** menu, click **Bundle Manager**.
5. Click **Install**.
6. Select **Filename** and navigate to the temporary folder you extracted the **Infor_CRM_v840_Web_Core_Update_04.zip**, click **ICRM v8.4.0 VFS Web Core Update 04.zip**, and then click **Open**.
7. On the **Select Bundle** screen, click **Next**.
8. On the **Select Items** screen, ensure the **Portals** option is selected.
9. Click **Next**, and then click **Finish**.
10. Close Application Architect.
11. Re-open Application Architect.
12. Rebuild the database schema.
    - On the **Tools** menu, click **Rebuild Database Schema**.
13. Repeat steps 3-9 to apply the **ICRM v8.4 Core 04 VFS Actions.zip** bundle.
14. If your installation includes ICAA ,repeat steps 3-9 to apply the **Updated ICAA files VFS.zip** bundle
15. Close Application Architect.

Running the Conversion Utility

- You must run the conversion utility even if you do not select any options.
- If your implementation is configured with Master Data Consolidation enabled, you must re-run the conversion utility with the Master Data Consolidation option selected to consolidate pre-existing Location and Person based content to the new consolidated data format, unless you ran the conversion utility with the option selected in version 8.4.0.03.

Once the conversion utility is run, these actions cannot be reversed.

The conversion utility assigns a DataKey value to each custom setting based on the existing Description. This key value should never be changed.

The Conversion Utility also contains these options:

- **Master Data Consolidation**
  This option is only for implementations with Back Office. This is a non-reversible option that consolidates existing account records with the same CustomerID into a single account record. This option also moves all related information, such as activities, history, attachments, quotes, sales orders, invoices, shipments, returns and receivables to the new consolidated account.
- **Convert Quotes document shipping pricing**
  Converts the existing Quote shipping charge to the transaction currency based shipping charge which is based on the existing Quote freight charges and Infor CloudSuite CRM based transaction-specific exchange rate captured at the time of the transaction.

  You do not have to select this option if you already ran this option during a previous 8.4 Core Update.

- **Convert Sales Orders document shipping pricing**
  Converts the existing Sales shipping charge to the transaction currency based shipping charge which is based on

the existing Sales Order freight charges and Infor CloudSuite CRM based transaction-specific exchange rate captured at the time of the transaction.

You do not have to select this option if you already ran this option during a previous 8.4 Core Update.

- **Update user options for Quota, Forecasting, Activity, Event, and Lit Request default groups**
  Sets the new groups that are provided as Favorites so that they display by default in the list and detail views.
- **Expand activity occurrences**
  Existing recurring activity occurrences will be fanned out to use the new ActivityOccurrence table.
- **Expand activity associations**
  Existing associations with contacts, accounts, opportunities, tickets, or leads will be created in the ActivityAssociation table and the corresponding ID (ContactID, TicketID, etc) will remain in the Activity table.
  - If IsAttendee = True the record will remain in the ActivityAttendee table and will also be added to the ActivityAssociation table.
  - If IsAttendee = False, the record will be removed from the ActivityAttendee table and added to the ActivityAssociation table.
- **Expand history associations**
  Existing associations with contacts, accounts, opportunities, tickets, or leads will be created in the HistoryAssociation table and the corresponding ID (ContactID, TicketID, etc) will remain in the History table.

To run

1. On the Administrative Workstation, browse to the ConversionUtility.config file.
   By default, this is in \Program Files (x86)\Saleslogix.
2. Open **ConversionUtility_8.4.0.x.exe.config** with the text editor of your choice.
3. Scroll to the <connectionStrings> section and change the **Initial Catalog** value to your Connection Manager name.
   For example:
   Change the value from: <add name="Default" connectionString="Provider=SLXOLEDB.1;Persist Security Info=True;Initial Catalog=SALESLOGIX;Data Source=localhost;Extended Properties="PORT=1706;LOG=ON;CASEINSENSITIVEFIND=ON;AUTOINCBATCHSIZE=1;SVRCERT=123 45;ACTIVITYSECURITY=OFF;TIMEZONE=NONE""/>

   Change the value to: <add name="Default" connectionString="Provider=SLXOLEDB.1;Persist Security Info=True;Initial Catalog=MyDatabase;Data Source=localhost;Extended Properties="PORT=1706;LOG=ON;CASEINSENSITIVEFIND=ON;AUTOINCBATCHSIZE=1;SVRCERT=123 45;ACTIVITYSECURITY=OFF;TIMEZONE=NONE""/>
4. Save your changes.
5. Double click the **ConversionUtility_8.4.0.x.exe** application.
6. In the Conversion Utility interface, clear any actions you do not want to run and click **Update**.

Modifying the SLXJobServer Configuration file

Infor CRM v8.4.0.04 installs an updated SlxJobServer.exe.config in environments where SlxJobServer.exe.config has not been customized. However, the installation will not overwrite a customized version of SlxJobServer.exe.config.

If you have customized the SlxJobServer.exe.config file, you must complete the following steps.

To update the SlxJobServer.exe.config

1. Navigate to the folder where you extracted the update files, and open the **Extra Files** folder.
2. Open the **SlxJobServer.exe.config** file.
3. Open Windows Explorer and browse to **C:\Program Files (86x)\Saleslogix**.
4. Open the **SlxJobServer.exe.config** file.
5. Use a comparison tool to merge the contents of both files into the local version of the SlxJobServer.exe.config file.
6. Save your changes.

Building and deploying the Web changes

To make your changes available, you must build and deploy the Web portal(s).

You must log in to the Application Architect and build and deploy the Web changes from within the Application Architect in order to get all changes.

To build and deploy

1. If Application Architect is open, close and re-open Application Architect.
2. In the **Project Explorer**, click the project.
3. Press and hold the **CTRL** key, and then on the **Build** menu, click **Build Web Platform**. All the files in the entire assembly for the current project are compiled. Status for the build is displayed in the Output Window at the bottom of the screen.
4. When the build is complete, on the **View** menu, click **Deployment Explorer**.
5. Expand **Deployments**.
6. Double-click the portal to deploy.
7. Under **Deployment Targets**, right-click the target portal, and click **Deploy Portal**.

- By default, the Infor CRM Web Client portal is set to deploy to the localhost, but you can change these settings to fit your environment.
- Changes will not be visible to the Offline Web Client and/or Web remote Office until after the next Sync cycle.

8. Repeat steps 1-7 for each of the affected portals.
9. Restart all services that you stopped prior to "Installing the update" on page 72