LS Central (14.0-14.02)

Release Notes

October 31, 2019

LS Retail

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LS Central (14.02) Release Notes

About This Release

Build no. - 1035
Released - October 31, 2019

This version is built on Microsoft Dynamics 365 Business Central, CU 04, build no. 35916.

Note:
The 64-bit client is the default client when opening the Microsoft Dynamics Business Central Windows client. The POS for the Windows client is only supported to run on the 32-bit client, which can be set up in the LS Central Start tool for the POS.

The following is a list of changes and key features in LS Central (14.02).

New or Enhanced Features

Retail

BackOffice

LS Central Code Adjusted to Microsoft Field Length Changes

In version 14.0 Microsoft extended the length of over 800 fields in Business Central. Many of those fields are used in LS Central. All fields in LS Central have now been adjusted to Business Central field lengths.

Functions and Unused Fields Removed

On account of the AL migration, two functions have been moved from table 330 to codeunit 99008922. Unused fields have also been removed from standard tables.

Infocode Discount Removed

Infocode Discount is being discontinued. In this step, all setup was removed from the standard.

LS Changes Removed from Online Map Management

LS Changes have been removed from Online Map Management.

Printing Shelf Labels

Any codeunit can now be selected to print Shelf or Item labels, regardless if the codeunit is part of standard LS Retail code or an extension from a partner.

Receipt Printing Modified Using Events

Events have now been added into all Print functions in the POS Print Utility.

Refactored Field Lookups

The following field lookups have been refactored:

- Retail Sales Order
- Retail Purchase Order
- Retail Transfer Order

Retail Product Group Replaces Product Group Table

The usage of the Product Group MS table has been changed to use a new LS Central table, Retail Product Group. Fields named **Product Group Code** have been renamed to **Retail Product Code**.

Tables Added to Data Subjects Table

Three tables (Member Contact, Member Account, and Staff) have been added to the Data Subjects Table in Data Privacy.

Customer Order

External Payment Token

Support for external payment tokens has been added to the Customer Order module. Fields have been added to the **Customer Order Payment** table that stores the token information for payments of the type *Pre-Authorization*. If the payment is not authorized, the order is put on hold.

Header Status Configured to Trigger Messages to Customer

An option has been created that lets the user specify which status updates will send out a message to the customer.

Log Customer Order Status Changes

An audit trail of status changes is now being logged when Customer Orders are processed.

Overpaying for a Transaction with a Customer Order

When overpaying for a transaction with a Customer Order that you choose not to prepay for, an option now comes up and the customer can choose whether he would like to receive change back or the extra amount becomes prepayment for the customer order.

Unused Fields Removed and Links Moved to Related Documents

Customer Order BackOffice pages now display Retail pages, and links to related documents are stored in respective documents like Retail Purchase Orders, Retail Sales Orders, and Retail Transfer Orders. The linking field is **Customer Order ID**.

Fashion

Logical Order for Variant Dimensions

Logical Order can now be defined for Variant Dimensions. This field adds the possibility to order the presentation of the Variant Dimensions in a Variant Framework. Currently, this **Logical Order** field does not affect how the dimensions are arranged in the pages in LS Central.

Increased the Maximum Number of Logical Order for Variant Values

Each Variant Value can now be defined up to a maximum number of 999 instead of 35. Following this, the **Logical Order** field in the **Item Variant Registration** table is changed from Integer to BigInteger.

Refresh Variant Settings Added in Item Variant Framework

A new **Refresh Variant Settings** action has been added to the **Item Variant Framework** page. This enables the Item Variant Registration to be updated with the latest Logical Order and Variant Weight setup as defined for the Variant Values.

Variant Dimension Fields Changed from Text15 to Code15 in Item Variant Registration Table

The data type of the **Variant Dimension 1** to **Variant Dimension 6** fields in the **Item Variant Registration** (10001414) table have been changed from *Text15* to *Code15*, to align with the **Extended Variant Values** (10001413) table.

These adjustments have also been done on all fields in other tables that have relations set to the above table fields. Please use the provided upgrade codeunit to copy and preserve the data in these tables.

LS Central App

LS Central App (Android Version) - Enhancing Simplified URL Settings

In the LS Central App's Simplified URL settings screen, it is now possible to add Tenant and Company.

LS Central App (iOS version) - Simplified URL Settings

The iOS version of the LS Central App now also supports adding Tenant and Company.

Additionally, the iOS version can now start up without showing settings or adding Simplified URL to iOS as in the Android version.

LS Central POS

Various Changes Added to the EFT Implementation in the POS

- An option has been added to enable a functionality in the POS to automatically check the last Card Payment in a log. If the payment is unfinished, the POS asks the PED for the last processed transaction. If there is a match, the payment is finished in the POS. This is useful if the POS or the connection to the PIN pad ends unexpectedly without the transaction finishing in the POS.
- If the POS receives a Signature verification request from a PIN pad, the POS can now handle the request as configured in the Settings screen. The options are a) to automatically accept or reject the Signature, or b) to have the cashier decide by using a pop-up window.
- An addition has been made to the feature of skipping printing Merchant and/or Customer receipts. These settings will be used unless a MandatoryToPrint flag is received from the PIN pad. In that case the receipt is always printed.
- An option has been added to hold the EFT status dialog box open for X seconds before closing.
- When storing the result from an EFT transaction in the **POS Card Entries** table and the **Card Type** is empty, the system uses the **Card Type Name** from LSPay to insert into the **Card Type** field.

EFT FOB File Available

LS Retail has created an EFT FOB file that is now available from the LS Retail Support team. In the FOB file, LS Retail has downgraded the EFT changes to the latest versions of each year

(09.10 / 10.10 / 11.05 /13.05). Partners can downgrade from that version into previous versions of each year, if needed.

Allow Negative Adjustments and Other Actions

The user can now make negative adjustments and perform other actions on the POS, as long as the sales transaction has not started (the Start button has not been pressed).

API Function Added

A function has been added to POS API to get the actual field behind a column in a grid, for example when the user clicks a column in a grid.

Arguments Fields Added to LS Start

You can now specify a client user settings file for a Business Central Windows client on a LS Start button.

Device Keyboard in LS Central App

An option has been added to use a device keyboard when running in LS Central App. This can be useful as users may be more accustomed to the device's native keyboard.

NETS Certification

LS Central POS and Hardware Station with LS Pay plugin has been certified by NETS in the Nordic countries (NO, S, FI, DK) and through PayEx in the Nordic countries for the self-service POS.

New AutoLogoff Feature

An option has been added for AutoLogoff behavior in Sales Mode. Previously, the solution did not log off if the POS was in Sales mode.

Removing Member from Transaction

It is now possible to remove a member contact from a transaction without voiding the transaction.

LS Hardware Station

Setup Video for LS Hardware Station

A new setup video with instructions on how to set up the LS Hardware Station for EFT devices is now available on YouTube (https://www.youtube.com/watch?v=_nh-jWYx-w3M&feature=youtu.be).

LS Pay with Worldpay Support

The LS Pay version included in LS Hardware Station now supports Worldpay PSP.

Member Management

Updating Member Information Online

A check box has been added in the Member Management setup page where the user can choose to update a member card in head office with updated points after each transaction on online POS.

Mobile Inventory

External Config Reading

LS Mobile Inventory can now read config from an external file that is pushed to the mobile device by a Mobile Management software.

An option has also been added to the app to sort a document list by expected date or ID.

Mobile POS

An ability has been added to scan card ID as barcode on a loyalty card. This is useful as it eliminate the need to type in the number.

Replenishment

LS Replenishment Role Center

A new LS Replenishment Role Center has been introduced. It offers an easy-to-use environment for retailers to access all the most commonly used Replenishment functionality, such as Assortment, Automatic Replenishment, Manual Replenishment, Redistribution, and so on.

The LS Replenishment Role Center can be set up with the Role Center ID 10012272.

Discontinuation of Demand Planner in LS Central

The Demand Planner integration has been removed from LS Central. The Items, Replen. Item Store Rec, and Replen. Data Profile entries that were previously assigned with the Replenishment Calculation Type **Demand Plan** have been updated to Automatic - From Data Profile.

Please make the necessary adjustments to these entries, if needed.

Sneak Peek into LS Forecast

LS Forecast is ready for preview in LS Central. The solution consists of a cloud-based forecasting engine and additional functionality in LS Central for setup, data upload/download, and to utilize the downloaded forecast in Replenishment. The cloud-based part is built on Microsoft Azure Machine Learning and uses advanced statistical forecasting techniques such as ARIMA, Additive and Multiplicative models to predict future sales demand from sales history. LS Forecast will be introduced as a new Replenishment Calculation Type.

Weekly Sales Buckets, a tool that captures the historical sales trend of an item or a group of items, is also ready for preview. It provides an overview of the item's sales distribution pattern across the week, from Monday to Sunday. This pattern is useful when the demand calculation from LS Forecast is on a weekly basis, where the pattern will then serve as distribution weights to break down a weekly demand into daily demand quantity for use with the Replen. Journal calculation.

All the relevant LS Forecast pages and components can be found in the MenuSuite under *LS Retail > Replenishment > LS Forecast*.

Field Length Increased for Primary Keys

The length of the primary keys in the following tables have been increased to support up to 20 characters (Code20):

- Code field in Replen. Template (10012201)
- Code field in Replen. Data Profile (10012224)
- Code field in Allocation Rule Header (10012328)

- Name field in Retail Sales Budget Name (99001555)
- Name field in Retail Purchase Plan Name (10012400)
- Name field in Lifecycle Worksheet (10016303)

The lengths have also been increased for all the fields in other tables with relations set to the above table fields.

Open-to-Buy: Multilevel and Blocking

Improved Open-to-Buy Accessibility and Calculation

A Retail Sales Budget can now be assigned with a default Open-to-Buy (OTB) View Code. This enables the budget to be easily opened and presented in Open-to-Buy View.

It is also possible to define the Calculation Level in the Retail Sales Budget, to determine if its Open-to-Buy View should be calculated on budget level only, or also include the details. The level of details depends on the **Budget Type** (*Division, Item Category, Product Group, Item, or Item Hierarchy*).

For more information see "How to: View Retail Sales Budget in Open-to-Buy View" in the LS Central Help.

Open-to-Buy Checks on Purchase Order and Allocation Plan

The **Open-to-Buy Check** is a tool that enables the Retail Sales Budget and its Open-to-Buy values to act as an upper limit for related item purchases. It can be used to check if a Purchase Order or Allocation Plan violates the Open-to-Buy value of a sales budget.

For more information see "How to: Perform Open-to-Buy Checks on Purchase Order" and "How to: Perform Open-to-Buy Checks on Allocation Plan" in the LS Central Help.

Open-to-Buy Calculation Using Scheduler Job

It is important to ensure that the Retail Sales Budgets and Open-to-Buy values are always updated in order to keep the Open-to-Buy meaningful. The Open-to-Buy can be updated manually, or set up to be calculated periodically with a scheduler job. It is also possible to set up multiple scheduler jobs for the calculation to run in parallel.

For more information see "How to: Schedule the Calculation of Open-to-Buy" in the LS Central Help.

Replenishment Journal Calculation Performance Improvements

Replenishment Item Exclusion Rules

The definition of whether a group of items should be excluded from Replenishment calculation is made simple with the **Replen. Item Exclusion Rules**. The rules can be defined up to the Retail Product Code level and can be based on factors such as items created before a certain date, no item sales since a certain date, and items with zero inventory. If needed, the process can also be automated with a scheduler job by using the **Calculate Replen. Item Excl.** report (10012331).

For more information see "Replenishment Item Exclusion Rule" in the LS Central Help.

Replenishment Journal Calculation Performance Improvement

When a Replenishment Journal is being recalculated, the deletion of its existing data (for example Replen. Journal Details) prior to the recalculation has been refactored. The latest test shows that the time taken to recalculate the Replenishment Journal has been reduced by up to 67%.

Web Service

Web Service 2.0

The following web services have been created according to the Web Service 2.0 framework:

- CreateNewCardForContact - replaces MM_NEW_CARD_FOR_CONTACT
- DeletePostransBackup - replaces DELETE_POSTRANS_BACKUP
- DeletePostransSusp - replaces DELETE_POSTRANS_SUSP
- GetAndReserveSerialCoupon - replaces GET_RESERVE_SERIAL_COUPON
- GetCustomerCard - replaces IM_GET_CUSTOMER_CARD_01
- GetDocument – replaces IM_GET_DOCUMENT
- GetDocumentList – replaces IM_GET_DOCMENT_LIST
- GetInventoryLookup - replaces GET_INVENTORY_LOOKUP
- GetItemCard - replaces IM_GET_ITEM_CARD_01
- GetTransHeaderList - replaces GET_TRANS_HEADER_LIST
- GetTransStatementCode - replaces GET_TRANS_STATEMENT_CODE
- GetVendorCard - replaces IM_GET_VENDOR_CARD_01
- RetailMessageUpdRcpStatus - replaces RETAIL_MESSAGE_UPD_RCP_STATUS
- SendPosTransBackup - replaces SEND_POS_TRANS_BACKUP
- SendPosTransSusp - replaces SEND_POS_TRANS_SUSP
- SendSerialCoupon - replaces SEND_SERIAL_COUPON

- MobilePosFloatEnt - replaces WEB_POS with parameter FLOAT_ENT
- MobilePosPostPrecalc - replaces WEB_POS with parameter POSTPRECALC
- MobilePosPriceCheck - replaces WEB_POS with parameter PRICECHECK
- MobilePosRefund - replaces WEB_POS with parameter REFUND
- MobilePosRetSave - replaces WEB_POS with parameter RETSAVE
- MobilePosRetSuspended - replaces WEB_POS with parameter RETSUSPENDED
- MobilePosSave - replaces WEB_POS with parameter SAVE

Hospitality

New Restaurant Role Center

A new Restaurant Role Center for restaurants using table management - new ques have been added that show the restaurant performance (Gross Turnover, Amount per guest, Revenue per seat hour, Table turnover), **current status** (Occupied Tables, Total Free Tables, In-house Guests, Available Seats) and **day summary** (Total Guests, Transactions, No-Shows, Canceled Reservations).

Allocation Enhancements

Dining Area Data Archiving

This is necessary to reduce the size of the database tables used every day in dining table management. As a result you can now view Dining Area Statistics to find out the table turnover for each day for the dining area and dining area sections. You can run a report to archive dining area data (dining table history entries and dining area plans) or let the Scheduler run the archiving at the end of the day.

Allocation Panel Performance Improvements

A paging menu has been added to the Allocation panel to reduce menu button uploading.

Activity Dining Synchronization

An activity dining reservation is updated when the reservation is canceled, registered as no-show, and completed within table management.

Reorder Lines in Various Groups, Deals, and Modifiers

It is now possible to reorder lines in the following pages: Item Modifier group, Cross-selling group, Time modifier, Text modifier, Item modifier, Deal modifier offer lines, Infocode group, Aggregate Profile groups.

Table Management Enhancements

- Table join is now valid in all layouts until dis-joined - a table is automatically dis-joined when the table is freed.
- Combined dining tables appear in the dining allocation panel just like normal dining tables.
- New Dining Reservation Entry type: **Walk-in**. This entry is created for allocation/reservation whenever guests are seated directly to show that the dining table(s) is reserved for the dining duration, just as when guests are seated on dining tables with reservations and on a waiting list.
- Dining duration can be set for each period of a time schedule. Time schedule periods are used to build dining area plan templates and dining area plans. Dining duration can be variable, depending on period and day and the number of guests involved.
- A **Seated Dining Reservation Entry** is moved to **Dining Reserv. History Entry** once the dining table is free. The history entries can be viewed in the Dining Reserv. History Entries page.
- Change dining table type for a table in design mode in POS.
- New command, TBL_CHGTBLTYPE, replaces TBL_SHP_RECT, TBL_SHP_SQUARE, TBL_SHP_ELLIPSE, and TBL_CAPACITY.

Kitchen Display System (KDS)

- New type of Kitchen Display Stations - Customer Facing Display (CFD). This is a display that faces towards the customers and is commonly used in Quick Service Restaurants. The display shows when an order is ready after it has been bumped from the Expeditor.
- It is now possible to show Deals in the KDS with a deal header within a chit for clarity.

LS Activity

New Role Centers for Activity and Member Management

This rework was needed to better fit the Business Central Web Client. Membership Group has been added to the Membership role center, where the user can define these groups and get a summary of active members per week. These groups can be defined afterwards or on the fly in the group summary view.

Compressing the Matrix View

It is now possible to hide unavailable slots in the matrix view for improved viewing.

External Availability and Capacity Framework

It is now possible to have Dining Table Reservations get the capacity and dining duration from the Dining Area Plan instead of using the LS Activity capacity setup. This is an open framework so other Activity Types can also make use of external capacity queries, if needed.

LS Activity Web POS

LS Activity is fully Web POS enabled from this release.

LS Staff Management

- The Staff Management functionality for the Web POS has been enhanced to fully support the Web POS for LS Central.
- New role center for Staff Management which is more in line with the Business Central design guidelines.
- Weekly rosters give you the ability to create and work with weekly rosters instead of the full month.
- Salary Periods for analysis let you compare staff costs between different periods either with monthly periods or salary periods.
- It is now possible to assign an employee part of the day, even when he or she is registered as unavailable for other parts of the same day.

LS Core

LS Core is a rapid implementation process that gives customers the ability to implement LS Central using a combination of preconfigured and template data elements to minimize the complexity of the configuration and operation of the solution.

The available download includes:

- Two RapidStart packages for Evaluation and Production company setups:
    - A package containing all the Evaluation data which can set up a company in demonstration mode for exploring and testing: *LS14.02.W1.EVAL.SAMPLEDATA.rapidstart*
    - A package containing only Setup data, which can help to set up a production company: *LS14.02.W1.PROD.SETUPDATA.rapidstart*
- Profiles.xml - contains POS Profiles
- Others.xml - contains POS commands and some other essential setups.

New POS Commands

- ACTLIST - List activities
- ACTSTATUS - Change activity status
- CO_CANCEL_ORDER - Cancel Customer Order
- EDITACTIVITY - Edit Activity field - parameter field number
- EDITRESERVATION - Edit Reservation field - parameter field number
- EFT_RECOVER - Check if last failed Card Entry can be recovered
- RESLIST - List reservations
- TR-A-TIMELINEPAGE - Table Allocation, press Timeline Page button.

See the LS Central Help and the corresponding Excel list with filters for a complete list of POS commands.

Other

Online Help

Help topics for **Sales Commission** have been added to the LS Central Help. See LS Central Help - Retail - BackOffice - Sales & Marketing - Sales Commission.

Fixed Issues

BackOffice

Detailed Receipt Report not Showing Item No.

The **Detailed Receipt** report showed *Line No.* where *Item No.* was expected. The report now shows the Item No.

Error Posting Retail Picking

A Dimension error that occurred when Retail Picking was posted has now been fixed.

Location Profile not Updated in Inventory Lookup Table

The Location Profile was not updated in the Inventory Lookup Table. This has now been fixed.

Posting Sales Entries Using Batch Posting

It is now possible to post Sales Entries through Batch posting.

Quantity per Unit of Measure not Updated

Quantity per Unit of Measure was not being updated when a UOM on the Mobile Inventory app was changed. This has now been fixed.

Replication Counter Statement Lines not Increased

The replication counter for Statement lines is now updated when a Statement Line is added by codeunit 99001456 Statement Calculate.

Retail Buyer Role Center

Opening Sales Price Worksheets in Retail Buyer Role Center returned an error. This has been fixed.

Retail Module Page Update
The Retail Module page has been updated with the latest LS Retail object range.

Retail Sales Return With Discount
Inconsistency in price during a sales return involving discount has been fixed.

Store Dimension Posting in Inventory Transfer
An error that occurred when LS code was moved to subscriber has been fixed.

WS Default Data Codeunit (99009514)
The function that creates default data tried to create data for fields that have been deleted. This has now been fixed.

Customer Order
Customer Order Cancellation Fixes

- It is now possible to cancel customer orders at the POS.
- The put-back process for a customer order canceled at the POS has been put in place.
- It is now possible to cancel customer orders from BackOffice.
- It is now possible to cancel customer orders from LS eCommerce.

Error in Recalculating Sales Order Lines
Recalculating lines connected to Customer Orders is now done for both open and released Sales Orders.

Rounding Error Fixed
A rounding error in a Sales Order created from a Customer Order has been fixed. This error could occur if there were discounts in the Customer Order.

Refund Not Posted Correctly
Customer Order Refund with connection to Workflow is now posted to GL accounts according to setup.

LS Central POS
Compressed POS Lines
When scanned, POS lines were being compressed, even if the setup in the POS Functionality Profile said not to. This has now been fixed.

Duplicate Receipt Number
A receipt number was duplicated when it was suspended. This has been fixed.

Error When Creating Member Contact on POS
It is now possible to create a Member Contact on the POS with **Server Log Level** set to *ALL*.

Voiding a Transaction With Store Coupon
Voiding a transaction with a store coupon and then reuse it at another POS was not possible. This has now been fixed.

Z Report Printing Error Fixed
A printing error that occurred when a printing a Z report in the web client has now been fixed.

Z Report Error in an Online Database Fixed
When a Z report was done in an online database, all suspended transactions had to be finalized. The function was not taking into consideration if EOD was being made for one terminal and the statement method was by Staff or by POS.

LS Hardware Station
Error Loading Log Files in LS Hardware Station 14.1.1.951 Fixed
The LS Hardware Station Management portal now displays only today's log file in the Log panel.

The Toolbox already has a functionality that creates only one log file per day to limit the size of the log files. Following this change, the Management portal did not display the current log file properly. This has now been fixed.

Error Printing Large Data
LS Hardware Station had an issue with printing large data that has now being resolved.

Exception Handling in Logo Printing
LS Hardware Station now handles empty values within print requests that are required for a specific print line to work (for example a logo). Instead of throwing an exception, the Hardware Station now uses a default value.

The following issues in LS Hardware Station have also been fixed:

- When viewed full-screen in an Edge browser, part of the screen does not work.
- In the Web POS, all information is missing on the Create Customer Order page.
- Clicking an "inactive" button in a matrix in the Web POS generates an error.
- Autologoff does not work in Hospitality.
- Autologoff does not work in the Web POS.
- LoadMenuPermissions does not run after logoff then logon.
- Logging off on modal panels does not show the offline panel.
- Computer name on a terminal causes a .NET Framework Interoperability error at logon.

Member Management
Unable to Select a Member Contact Attribute
It is now possible to select a Member Attribute Value from the lookup list when you add a Member Attribute to a Member Contact.

Member Contact Phone Number
Phone number information for Members is now retrieved from the Member card instead of the Customer card.

LS Central (14.01) Release Notes

About This Release

Build no. - 936
Released - July 4, 2019

This version is built on Microsoft Dynamics 365 Business Central, CU 01, build no. 32600.

Note:
The 64-bit client is the default client when opening the Microsoft Dynamics Business Central Windows client. The POS for the Windows client is only supported to run on the 32-bit client, which can be set up in the LS Central Start tool for the POS.

The following is a list of changes and key features in LS Central (14.01).

New or Enhanced Features

Retail

BackOffice

LS Code Change to Standard Tables Removed

Changes to Standard Tables have been moved to LS Extension Codeunits, and are now handled by Events subscription.

- Standard Replenishment tables
- Standard Transfer Order tables
- Standard Purchase Order tables
- Standard Sales Order tables
- Standard Item Jnl. tables
- Standard GL Jnl. tables
- Standard Product tables
- Standard Customer tables
- Standard BackOffice table.

LS Central App

Simplified URL Settings

- **Android version** - In the Simplified URL Settings screen it is now possible to specify Tenant and Company information.
- **iOS version** - The iOS version of the LS Central App now supports the Nav User Password authentication method the same as the Android version.

LS Central POS

EFT - Skip Printing Merchandise and/or Customer Receipts

In the EFT implementation it is now possible to select if Merchandise and/or Customer receipts should be printed after a transaction is finished. This can be useful when receipts are not needed or for exceptional circumstances.

EFT - Card Data in POS Card Entries

New fields have been added to the „POS EFT“ table that stores information from processed card transactions. It is now also possible to control how the card information data is stored in LS Central, either by using the payment transaction information from LS Pay directly or by using mapped information from the PAN number that is returned by LS Pay.

LS Hardware Station

Hardware Station Logs Now Stored per Day

The LS Hardware Station has been changed and now logs to one log file per day with every month getting its own folder. This way it is easier to find a relevant log and this also limits the size of the log to a single day's usage.

LS Pay with GlobalPay Support Added

The LS Pay version included in the Hardware Station now supports GlobalPay PSP.

Mobile POS

Control of access to features in LS Mobile POS can now be set in LS Central.

Replenishment

Setup Field Changes in Replenishment Journal Batch

- The **Exclude Mondays** to **Sundays** fields have been updated to **Include Mondays** to **Sundays**.
- The **Allowed to run on Excl. Days** field has been updated to **Allowed to run on Any Day**.

With these changes, the next run for the Replenishment Journal Batch will be based on the included days.

For more information see "Replenishment Batch" in the LS Central Help.

Dynamic Stock Coverage Days

The Store and Warehouse Stock Coverage Days that are used in the Replenishment Calculation Types *Average Usage* and *Manual Estimate* are no longer limited to a fixed value. The new **Replenishment Coverage Days Profile** enables the coverage days to be dynamically calculated to reflect the days until the next replenishment calculation. Other factors such as the location closed days, inbound location handling time, and coverage buffer could also be taken into consideration and set up with the profile. The **Replenishment Coverage Days Profile** can be assigned to an Item, Item Store Record, or an Replen. Data Profile.

For more information see "Replenishment Coverage Days Profile" in the LS Central Help.

Flexible Replenishment Run Interval

The new **Replenishment Batch Calculation Calendar** provides a flexible way to set up the Replenishment Journal calculation interval. This is especially useful during high-sales seasons, where replenishment calculation happens more frequently than on ordinary periods. The **Replenishment Batch Calculation Calendar** lets you set this up in advance, and the calendar can then be assigned to a Replen. Journal Batch to be used for Replenishment Journal calculation.

For more information see "Replenishment Batch Calculation Calendar" in the LS Central Help.

Vendor Vacation Calendar

With the Vendor Vacation Calendar it is now possible to define if a vendor should be excluded from Replenishment Journal calculation during the defined vacation period.

For more information see "Vendor Vacation Calendar" in the LS Central Help.

Scheduler

CodeUnit Added for LS Omni

Codeunit 10012871, *WI Update Inventory*, has been added to update inventory status used by LS Omni replication.

Web Service

Member Contact Codeunits

The following event publishers have been created:

- Publisher **OnBeforeContactCreate** added to Codeunit 10033060 MemberContactUtils
- Publisher **OnBeforeContactCreate** added to Codeunit 10033062 MemberContactUpdateUtils.

Hospitality

Table Management Enhancements

- Table join is now valid in all layouts until disjoined - a table is automatically disjoined when the table is freed.
- Combined dining tables appear in the dining allocation panel just like normal dining tables.
- New Dining Reservation Entry type: **Walk-in**. This entry is created for an allocation/reservation whenever guests are seated directly to show that the dining table(s) is reserved for the dining duration, just as when guests are seated on dining tables with reservations and a waiting list.
- Dining duration can be set for each period of a time schedule. Time schedule periods are used to build dining area plan templates and dining area plans. Dining duration can be variable depending on period and day and the number of guests involved.
- A Seated Dining Reservation Entry is moved to Dining Reserv. History Entry once the dining table is free. The history entries can be viewed in the Dining Reserv. History Entries page.
- Change dining table type for a table in design mode in POS. A new command, TBL_CHGTBLTYPE, replaces the TBL_SHP_RECT, TBL_SHP_SQUARE, TBL_SHP_ELLIPSE, and TBL_CAPACITY commands.

Kitchen Display System (KDS)

Use LS Hardware Station When Using KDS Printing

The Kitchen Display System can now print out to a printer that is connected to a Hardware Station. To use this option, set the Kitchen Service Configuration to use the Hardware Station to print.

LS Activity

LS Activity Enhancements

- Show non-available times in matrix on the POS - this is a new setting on the Activity type. If a user selects a non-available time in the matrix, then he or she is prompted whether a waiting list entry should be created.
- It is now possible to define a number series for Activity Products.

New POS Command

The following POS command has been added:

- TBL_CHGTBLTYPE - Change dining table type.

See the LS Central Help and the corresponding Excel list with filters for a complete list of POS commands.

Other

Online Help

Revised Menu Tree

The LS Activity menu tree has been rearranged to better reflect the structure of the module. See LS Activity (Hospitality) and LS Activity (Retail).

Fixed Issues

BackOffice

Errors Fixed in P/R Counting Posting Setup

- Check has been added for valid combinations of Status and Posting Action for Receive, when Renaming in P/R Counting Posting Setup.
- Retail Receiving error while Posting has been fixed. P/R Counting Header not up-to-date.

Scale Items not Counted Correctly in Offers

Scale items and quantity embedded barcodes now count as one (1) piece when used in a Mix & Match offer.

Card Type and Card Type Name Mapping Fixed

The field **Card Type Name** is populated with data from the LS Pay connection. The **Card Type** value is usually populated based on the **Card No. Series Setup** process (linked to the first 6

digits of the card number). If, however, the **Card No. Series Setup** is not in use, the system can populate the **Card Type** field from the **Card Type Name** field. **Note:** Only the first 10 digits can be copied into the field because of field length restrictions.

Fashion

Adding Variant Values to an Existing Variant Framework

It is now possible to add new Variant Values (for example a new color) to an existing Variant Framework that has already been assigned to item(s).

LS Central POS

Important Notice: Error Opening Windows POS Client

If this error occurs when opening the POS in a Windows Client, you must follow the below instructions.

Error message:

Attempted to issue a client callback while a write transaction started, this can impact performance: CodeUnit 10012730 EPOS Control Interface DotNER SubmitDataSet.

Solution:

1. Find the **CustomerSettings** config file for the service (a likely location for this file could be *C:\Program Files\Microsoft Dynamics 365 Business Central\140\Service*).
2. Locate the following line and change the value from false to true:
   *<add key="AllowSessionCallSuspendWhenWriteTransactionStarted" value="**true**" />*

Tip: One way of finding the path is to locate the service in Services and right-click the service: *Properties\General\Path to executable*.

Replenishment

Replenishment Calculation

A bug has been fixed in a calculation formula for **Effective Inventory**, excluding Purchase Order in Transfer Journal.

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LS Central (14.0) Release Notes

About This Release

Build no. - 908
Released - June 6, 2019

This version is built on Microsoft Dynamics 365 Business Central, RTM, build no. 29530.

Note:
The 64-bit client is the default client when opening the Microsoft Dynamics Business Central Windows client. The POS for the Windows client is only supported to run on the 32-bit client, which can be set up in the LS Central Start tool for the POS.

The following is a list of changes and key features in LS Central (14.0).

New or Enhanced Features

Retail

BackOffice

Feature Switches for Mobile POS

Feature Flags have been added to control various functions in Mobile POS.

Field Length Changes

This version of LS Central is based on the Business Central spring release (version 14.0). In this release Microsoft has made around 800 field length changes. LS Retail is in the progress of adjusting LS Central fields to the Business Central field lengths. Until this work is completed, users may experience issues if values are entered in Business Central fields that exceed the previous length. This, for example, applies to **Item Description**, **Customer Name**, and **Vendor Name**, where the length has changed from 50 characters to 100 characters.

Shelf Labels

An improved functionality to create and print shelf labels has been implemented. The improvements aim to speed up the process and to prevent locking, especially when many users are printing shelf labels at the same time.

Shelf label requests are created by schedule job 99001481 that runs on Head Office. The job creates Shelf Label Spools. A Spool is a set of Shelf Labels per store. Spools can be (multi)selected for printing and reprinting from the **Shelf Label Printing** page. Users in stores can print a shelf label item card for a single item.

Application Area

The property ApplicationArea has been set to *#All* for all LS Central pages and reports except **Staff Management**, **Activity**, and **Loss Prevention**.

LS Central App

The following enhancements have been made in the LS Central App, Android version:

- The log feature has been improved in LS Central.
- An update has been made to the PAX A920 plugin regarding printing receipts.
- The LS Central App now supports the Nav User Password authentication method.

LS Hardware Station

Updates With New LS Pay Functionality and Fixes

LS Hardware Station has been updated with a new version of LS Pay which includes an AltaPay refund fix.

Mobile POS and Mobile Inventory

In the new version of the Mobile POS it is now possible to void a transaction with a tender line.

In the Mobile POS, the auto-refresh of data is now done in the background, instead of previously where it had the focus and needed to be finished before the user could start to work. This has also been changed in the Mobile Inventory.

Replenishment

Dimension Pattern Improvements

Dimension Pattern can now be assigned to an item. This is the most generic setup, followed by the setup in Item Distribution, and Item Dimension Pattern Link being the most detailed.

An **Add Dimensions** action has been added to the Item Dimension Pattern Link page to make it easier to assign a Dimension Pattern to an item based on Variant Dimension 1.

For more information see "Dimension Pattern" in the LS Central Help.

Store Capacity Management with Sections and Shelves

Store Capacity Management now supports setup by Sections and Shelves. The **Store Capacity** page and report have been enhanced to show the inventory and store capacity utilization information of the items that belong to the Section or Shelf as set up in the store capacity entry.

A new **Add Lines by Location** action has also been added in the **Store Capacity** page to make bulk creation of store capacity entries easier.

For more information see "Store Capacity" in the LS Central Help.

Store Stock Redistribution Improvements

Fill Gaps in Size/Color Ranges with Store Stock Redistribution

A new **Retail Item Variant Availability by Location** page has been introduced in Store Stock Redistribution. The page provides an overview of the items and variants availability across stores and warehouses. With this page, broken variants, namely the items that do not have the complete range of sizes or colors, can be identified. With the help of the Dimension Pattern and the calculated sales performance indicators (Average Daily Sales and Sell Through %), Redist. Stock and Redist. Demand can now be determined and assigned, so the items and variants can be redistributed among the stores to fill gaps and maximize sales.

For more information see "Retail Item Variant Availability by Location" in the LS Central Help.

New Redistribution Calculation Type: Manual Redistribution
Manual Redistribution has been introduced as a new Redistribution Calculation Type, along with the existing *Sales Demand, Stock Balancing,* and *Reorder Point/Max. Inventory*. When this calculation type is used, the Redist. Preview is calculated to present the various sales information and inventory status of the items, but no Redist. Stock and Redist. Demand will be suggested by the system. The new **Retail Item Variant Availability by Location** page can be used to assign Redist. Stock and Redist. Demand, which will be used for Redist. Trips calculation later. It is also possible to link a **Lifecycle Planning Worksheet** to a Replenishment Template that is assigned with the *Manual Redistribution* calculation type, so the items from the **Lifecycle Planning Worksheet** can be calculated in the Redistribution Replenishment Journal.

For more information see "Calculation Type: Manual Redistribution" in the LS Central Help.

Adjusting the Redist. Stock and Redist. Demand Suggested by the System
With the **new Retail Item Variant Availability by Location** page, it is now possible to adjust the Redist. Stock and Redist. Demand calculated by using the Redistribution Calculation Types *Sales Demand, Stock Balancing,* and *Reorder Point/Max. Inventory*.

For more information see "Redistribution Calculation Types" in the LS Central Help.

Retail POS

EFT - Add Surcharge Based on Card Type

The EFT implementation in the POS has been updated. It is now possible to add a surcharge to a payment transaction, based on the type of card used in the payment.

Print Receipt's Barcode as QR Code

An option has been added to print the receipt's barcode as a QR code.

Refund Sale Posted When Voiding a Card Payment

The updated EFT implementation means that when voiding a card payment, a refund sale can now be posted automatically. Previously, the sale could only be posted manually.

Web Service

Web Service 2.0

The following web services have been created according to the Web Service 2.0 framework:

- TestConnection - replaces TEST_CONNECTION
- MemberCardBlock - replaces MM_CARD_BLOCK

LS Hospitality

Add Member Info to Transaction from Reservation/Walk-in

A member on a dining reservation is now added to the transaction when a guest from a reservation is seated.

Kitchen Display System (KDS)

Send Ingredient Information to KDS

Recipe ingredients are now sent to the KDS which allows tracking the number (#) of ingredients on a display station using the aggregate groups.
Example: a burger station has many items, single burgers, double burgers, and cheeseburgers, and the chef needs to know how many patties are on the station.

Configure Button Profile With Bump Cell Operation

It is now possible to set a speed bump button for a cell on the Kitchen Display Station. This way it is possible to bump a chit in cell #1 or cell #4, if needed.

LS Activity

General

Sales Mode in Activity POS

The POS is automatically set in sales mode when needed for all Activity POS commands.

Additional Charges With Resource Requirements

Adding an additional charge to an activity can trigger some resource requirements.

Availability is now shown on additional charges, that is either inventory levels or resource availability, depending on whether the additional charge is resource related.

Additional Web Services

CancelReservation and **ConfirmReservation** are new web APIs that support confirmation and cancellation of activities in a single reservation.

Additional Event

Partners can now change capacity and availability logic using subscription events.

Activity Matrix Enhancements

The following enhancements have been implemented:

- View static or fixed layout of resources, using the menu button settings in the POS. This lets the user set up graphical layouts to view the resources and see their availability.
- Skin for activity status.
- Automatic screen refresh of the matrix at an interval of x-minutes.
- Show glyphs in matrix cells.

Memberships

General

New enhancements:

- You can now create a new member and search for a member on the Membership card.
- You can navigate to the Customer Card from batch lines.
- Changes on batch lines are not allowed when an invoice has been created.

Option Added to Include Allowances (Specific Price for x Number of Times)

A membership subscription can now issue price offers with limited quantity and period restrictions during subscription processing. For example, members might be offered five spa treatments for a discount price during the next membership period, but only during off-hours.

Other

Online Help

New Features on Home Page

Two new features have been added to the LS Central Help Home page:

- **How to ...** - quick access to all How to ... topics in the help system. The link opens a page with headings that you can expand and collapse to see alphabetically ordered lists of modules, each with links to How to ... topics for that particular module.
- **What's new?** - this link opens a page with a dynamic list of new help topics in the current release.

Previous Help and Release Notes

Links to LS Nav/LS Central Help, version 13, and Release Notes for versions 13.0-13.05 have been added to the **See also** section at the bottom of the Home page.

Demo Data

The *Demo Data Information LS Central* document has been revised and updated and is available by clicking the **More Documentation** link on the LS Central Help **Home** page.

Fixed Issues

BackOffice

Table ID 99001509 Fixed

The table ID for table 99001509 has been fixed in codeunit 99001451 Action Management.

Replenishment

Improved Parallel Processing of Replen. Item Quantities Calculation

When the Replen. Item Quantities calculation was run using the parallel calculation approach, it could result in a deadlock as multiple processes were trying to delete the Replen. Item Quantity (RIQ) and Replen. Undelivered Quantity table at the same time.

This has now been resolved. The deletion is now handled by the master process instead of the individual parallel processes.

Hospitality

Sales Type Set Automatically at POS Startup

After a service tier reset, the correct Hospitality type is now selected automatically when the POS starts up without the classic multiview.