LS Nav/LS Central

Release Notes (13.0-13.05)

April 16, 2019

Contents

LS Central (13.05) Release Notes 1

About This Release 1

Product Name Change 1

LS Nav is now LS Central 1

New or Enhanced Features 1

Retail 1

BackOffice 1

Improved Performance of INVLOOKUP 1

Customer Order 1

Customer Details on Sales Invoice and Order Confirmation 1

Vendor Sourcing 1

Vendor Sourcing Setup 2

Customer Order Vendor Sourcing Process 2

Required Fields 2

Preaction Creation Setup Moved to Extension Module 2

LS Hardware Station 3

LS Hardware Station Updated With New LS Pay Functionality 3

Support for OPOS DirectIO 3

Customizing EFT Connection 3

Replenishment 3

Transparent Data Profiles 3

Sales History Adjustments 3

Usability Improvements 3

Calculation from Planned Demand Event 3

Calculation from Outlier Detection 3

Consider Sales from More Sales Channels for Average Usage Calculation 4

LS Central POS 4

Card Type and Name Added to Mobile POS Transactions 4

Clienteling 4
More Personalized Service at the Clienteling POS 4
Item Detail Changed to Customer Order Icon 4
LS Central App, Android Version 4
Adyen and AltaPay Added 4
LS Activity **4**
Dynamic Pricing Based on Availability 4
Improved Email Templates, Language Code, and Graphical Matrix View 4
HTML Preview and Copy in Email Templates 4
Language Code Added to Member and Contacts 5
Sending Emails Based on the Reservation Language Code 5
Enhanced Graphical Matrix View 5
New POS Commands **5**
LS Central 13.04) Release Notes **6**
About This Release **6**
Product Name Change **6**
LS Nav is now LS Central 6
New or Enhanced Features **6**
Retail **6**
BackOffice 6
BO Utils Codeunit: LS Nav Changed to LS Central 6
Import Export Worksheet in Web Client 6
TS Server Utils Function Exposed 6
Customer Orders 6
Customer Order Number Added to Transaction Card and Transaction Register 6
Gradual Payments 7
Store Inventory 7
Empty Store Inventory Journals 7
LS Central POS 7
Enhanced EFT Implementation in the POS 7
LS Hardware Station 7
Easy Way to Configure LS Pay in LS Hardware Station and New Plug-ins 7

Web Service 7

URI Support in Web Service for Multi-tenant Setup 7

Web Service Setup and Distribution Location 7

Improvements in Sending Item Details to Mobile Inventory App 7

Overriding Client Credentials 7

Web Service 2.0 8

LS Hospitality 8

Table Allocation Management v2 8

Restaurant Planning 8

Dining Reservations and Table Allocations 8

Reordering Linked Items 9

LS KDS 9

Communication With KDS Through Web Services Instead of NAS 9

LS Activity 9

Memberships 9

Membership Deposit Account 9

Membership Charge Adjustment Management 10

Membership Subscription Process Adjustments 10

Updated FactBoxes in Membership and Member Part 10

Rentals 10

New POS Commands in LS Activity Rental 10

General 10

LS Activity Web POS in LS Central 13.04 - Pre-release 10

LS Activity Attribute Enhancements 11

Where to Open the Activity Matrix 11

LS Activity Demo Data in W1 11

New POS Commands 11

LS Retail Apps 11

LS Central App 11

Easier to Enter Web POS URL in LS Central App 11

Mobile Inventory App 12

New Functions Added to the Mobile Inventory App 12

Mobile POS App 12
Receipts from Mobile POS Formatted With Logo and Barcode 12
Adyen Added to the Mobile POS 12
Other 12
Online Help 12
Search Filter Improvements 12
LS Omni Help Menu Moved and Renamed 12
Fixed Issues 12
Member Process Order Entry to HO 12
Gift Receipt Issues 12
Retail Receiving Error Fixed 13
Cash & Safe Management: Credit Card Only Terminals 13
Customer Orders 13
Validation Error When Using the Same Location Code in Multiple Stores 13
Search Results in LS Central Web Client 13
Error When Posting an Order With Tender Type Customer Fixed 13
Error Using Payment Into Account on the POS Fixed 13
Store Inventory: Compress Lines Action Fixed 13
LS Central (13.03) Release Notes 14
About This Release 14
New Product Name 14
LS Nav becomes LS Central 14
New or Enhanced Features 14
Retail 14
BackOffice Changes 14
Changes to Standard Functionality Removed 14
Get Inventory for Multiple Items 14
Mobile Inventory App 15
Improved Search in the Mobile Inventory App 15
Mobile POS 15
New EFT Plug-in 15
Web Service 2.0 15

Web POS 15
Enhanced EFT Implementation in the POS 15
LS Activity 15
Deals as Additional Charges 15
Enhancement in Availability Matrix Functionality 15
Role Center Improvements 15
Kitchen Display System (KDS) 16
Chit Size Options in the KDS Visual Profile 16
LS Nav on Business Central (13.02) Release Notes 17
About This Release 17
New or Enhanced Features 17
Retail 17
Web Service 2.0 17
BackOffice Improvements 17
Fields Added to LS Nav Retail Item Card 17
LS Changes To Standard Mail Handling Removed 17
LS Hardware Station 17
Notification Issued When Taking Over a Scanner 17
Loading Devices 18
Replenishment 18
New and Fixed Item Default Settings 18
Threshold Management: Partial Release 18
Purchase Order and Transfer Order Release Status Setup 18
New Fields in Threshold Rule: Replenishment Template Code and Any Item .18
Action Add Location/Variants Added to Replenishment Item Store List Page ... 18
Replenishment Calculation: Average Usage 18
LS Nav App (Android) 18
Web Sync 19
New POS Commands 19
Hospitality 20
LS Activity in LS Nav on Business Central 20
Kitchen Display System (KDS) 20

KDS Printer Errors Shown on POS ... 20
Other ... **20**
Changes in Demo Data ... 20
Online Help ... 21
Fixed Issues ... **21**
Unused Variables Removed from LS Nav Objects ... 21
Images in Search Results on POS ... 21
LS Hardware Station ... 21
EFT Purchase Hangs ... 21
LS Nav on Business Central (13.01) Release Notes ... **22**
About This Release ... **22**
New or Enhanced Features ... **22**
Retail ... **22**
BackOffice ... 22
Find and View Customer Orders ... 22
Clienteling ... 22
Selecting Retail Hierarchy in Clienteling ... 22
LS Hardware Station ... 22
LS Hardware Station Device Configurations in LS Nav ... 22
Sharing a Scanner in LS Hardware Station ... 23
Allowing LS Nav 2016 winPOS to Use EFT Connection in LS Hardware Station ... 23
New POS Commands ... 23
Replenishment ... 23
Improvements on the Replenishment Data Control List Page ... 23
Web POS ... 23
LS Nav App iOS Version Supports the Use of Mobile Camera ... 23
Kitchen Display System (KDS) ... **23**
KDS Printer Error on POS ... 23
Fixed Issues ... **24**
Fashion ... 24
Variant Values Sorted by Logical Order ... 24
Replenishment ... 24

Order Multiple Not Working Correctly when Assigned with 1 (One) 24
Vendor No. not Filled in the Replenishment Journal 24
Web Service 2 24
LS Nav on Business Central (13.0) Release Notes 25
About This Release 25
New or Enhanced Features 25
Retail 25
BackOffice 25
Store Images on the Web or in Apps 25
Store Opening Hours for a Requested Period 25
Replenishment 26
Variant Weight Curve 26
Update Data Profiles with Lifecycle Rule 26
Variants: Tooltips on Pages 26
Retail POS 26
Windows POS Can Print Using Hardware Station 26
Web POS 26
Easy Switch Between Hardware Profiles by Scanning a QR Code 26
LS Nav App (Android Version) Supports New Zebra Printer Library 26
LS Nav App (Android Version) Supports Barcode Scanning 26
LS Nav POS Is PayEx and AltaPay Certified 26
Kitchen Display System (KDS) 27
KDS Fallback Printer 27
Aggregate Pane on KDS Visual Profile 27
Resend KOT to KDS Printers 27
Fixed Issues 27
Incorrectly Calculated Date Range Fixed 27

LS Central (13.05) Release Notes

About This Release

Build no. - 876
Released - April 16, 2019

This version is built on Microsoft Dynamics 365 Business Central, CU 03, build no. 27183

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 (13.05).

Product Name Change

LS Nav is now LS Central

As of version 13.03, February 2019, the product name changed from LS Nav on Business Central to **LS Central**. This is reflected in the LS Central UI and Help.

New or Enhanced Features

Retail

BackOffice

Improved Performance of INVLOOKUP

Query is now used to speed up populating the POS Inventory lookup framework.

Customer Order

Customer Details on Sales Invoice and Order Confirmation

Customer details are now printed on the Order Confirmation and Sales Invoice. The FactBox for Sales Order and Invoice in Unposted and Posted Customer Orders has been updated for this purpose and population of fields in the Sales Order been changed.

Vendor Sourcing

A functionality to sell items, through Customer Order, that are not in stock in any location has been added. It assumes there is an agreement between the retailer and vendor(s) on what items the vendor can deliver, to what locations the vendor can deliver the items, and how fast the vendor can deliver the items to each location or group of locations.

The Customer Order business logic is that a Customer Order can only be sourced from one location. The same business logic applies to vendor sourcing. This means that it is not possible to source items from multiple locations in a single Customer Order, and it is not possible to source from a location and from vendor in the same Customer Order.

There is no stock check made for vendor sourcing items when the order is placed. The assumption is that the vendor guarantees the availability of the items.

For more information see “Customer Order - Vendor Sourcing Overview” in the LS Central Help.

Vendor Sourcing Setup

Two fields have been added to the **Customer Order Setup** page: **Store-Vendor Relation** and **Item Prepayment Hierarchy**. Three hierarchies must be created prior to filling in these fields.

- The first one is a hierarchy where stores can be grouped. Stores can be grouped by geographical location as the hierarchy is used to set the lead time between the stores and the vendors.
- The second hierarchy is to set what vendors source items per Customer Order. The store hierarchy and the vendor hierarchy are then linked through a Hierarchy Relation and the hierarchy relation is selected in the **Store-Vendor Relation** field in the Customer Order setup.
- The third hierarchy is to select what items can be vendor-sourced. It is possible in the item hierarchy to set a minimum payment.

For more information see “How to: Set Up Vendor Sourcing for Customer Order” in the LS Central Help.

Customer Order Vendor Sourcing Process

When the setup is complete, items that are not in stock can be sold through Customer Order. When the Customer Order is created in Head Office, a Purchase Order is created. The Purchase Order is sent to the vendor and the vendor delivers the ordered items to the Store or Warehouse, where the customer will pick up the order (if it is a click & collect order), or where the order will be shipped from (if it is a shipment order).

It is now possible to receive a Purchase Order in the Customer Order module on the POS. This will create a Posted Purchase Receipt. The Purchase Invoice must be posted in Head Office.

For more information see “Vendor Sourcing" in the LS Central Help.

Required Fields

It is now possible to configure what fields related to the customer are required when creating a Customer Order. The requirements can be set separately for collection orders and shipment orders.

For more information see “How to: Set Up Required Fields in Customer Order” in the LS Central Help.

Preaction Creation Setup Moved to Extension Module

The handling of preaction creation setup data for standard tables has been moved to be handled by its corresponding extension module.

LS Hardware Station

LS Hardware Station Updated With New LS Pay Functionality

Nets plugin is now supported. With the Nets implementation comes the possibility to use commands for zreport, xreport, and to do an offline purchase when using the Nets plugin.

Support for OPOS DirectIO

Support for the OPOS DirectIO has also been added to LS Hardware Station. This enables the implementation and use of own commands, for example in custom EFT implementations in LS Hardware Station.

Customizing EFT Connection

The EFT customization document has been updated and so has the demo project that was created to show an EFT customization basic project.

Replenishment

Transparent Data Profiles

The replenishment calculation for **Purchase Replenishment Journal** and **Transfer Replenishment Journal** has been enhanced. The value for the **Reorder Point**, **Max. Inventory**, **Transfer Multiple**, and **Order Multiple** fields can be set up to be taken from the Data Profile or the Item (or Item Store Record).

New setup fields, **Reorder Point (Source)**, **Max. Inventory (Source)**, **Transfer Multiple (Source)**, and **Order Multiple (Source)** have been introduced in the **Replenishment Data Profile** page, to define if these fields should be taken from Data Profile or Item/Item Store Rec. during replenishment calculation.

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

Sales History Adjustments

Usability Improvements

Various Add & Copy functionalities, namely **Export to Excel**, **Import from Excel**, **Add Lines**, **Copy from Item**, and **Copy from Location** have been introduced to assist users to conveniently maintain Replen. Sales History Adjustment.

For more information see "Sales History Adjustment" in LS Central Help.

Calculation from Planned Demand Event

It is now possible to automatically calculate Sales History Adjustment from Planned Demand Event, to adjust the sales history to the level before the additional sales were introduced due to the planned event. This can be achieved by using the **Calculation Rule** with type *Planned Demand Event*.

For more information see "How to: Calculate Sales Hist. Adjustment from Planned Demand Events" in LS Central Help.

Calculation from Outlier Detection

It is now possible to automatically calculate Sales History Adjustment from Outlier Detection. The system identifies the outliers in the sales history by using the Interquartile Range Rule and then create Sales History Adjustment entries to adjust the sales quantity of the outliers to the median value of the sales history data. This can be achieved by using the **Calculation Rule** with type *Outlier Detection*.

For more information see "How to: Calculate Sales Hist. Adjustment from Outlier Detection" in LS Central Help.

Consider Sales from More Sales Channels for Average Usage Calculation
The sales from Franchise, eCommerce, and B2B, where there are no physical stores present and the stocks are directly consumed from the warehouse, can now be considered when calculating the Average Usage for replenishment. This can be achieved by using the **Calculation Rule** with type *Item Ledger Entries*, which will consolidate the sales history from eCommerce and B2B into a virtual location and then create Sales History Adjustment entries to simulate the sales.

For more information see "How to: Calculate Sales Hist. Adjustment from Item Ledger Entries" in LS Central Help.

LS Central POS

Card Type and Name Added to Mobile POS Transactions

The posting of transactions from the Mobile POS has been updated. The **Card Type** and **Card Type Name** are now mapped and updated in transactions that originate in the Mobile POS and are posted in LS Central. EFT FOB for LS Nav 2016 / 2017 have been updated accordingly.

Clienteling

More Personalized Service at the Clienteling POS

In an extended member option it is now possible to view items of each purchase.

Item Detail Changed to Customer Order Icon

The icon for item details has been removed. As always, the user can click the brick for the item to open the item details. Now it is also possible in Clienteling to mark an item for Customer Order by clicking the newly added icon.

LS Central App, Android Version

Adyen and AltaPay Added

Adyen and AltaPay are new EFT plugins from LS Pay that have been added to the list of available EFT plugins in the LS Central App, Android version,

LS Activity

Dynamic Pricing Based on Availability

LS Activity now offers dynamic pricing based on product availability. This lets the user control prices and make the product more or less expensive depending on demand.

Improved Email Templates, Language Code, and Graphical Matrix View

HTML Preview and Copy in Email Templates

HTML preview is now supported when you create email templates in LS Activity. This gives the user a better overview of the confirmation emails that are sent automatically for reservations and activities. Additionally, it is now also possible to copy templates.

Language Code Added to Member and Contacts

Language Code has been added to Member Accounts and Contacts. This is the language code for an Activity Reservation and an Activity. The code then determines which email template to use when sending email confirmations.

Sending Emails Based on the Reservation Language Code

It is now possible to specify a language code on a reservation and activity. This enables communication with customers in the selected language by using the appropriate email template for email confirmations.

Enhanced Graphical Matrix View

For resources based on a fixed menu template, graphical matrix views have been enhanced to enable viewing of static (fixed) resource layouts using the menu button settings in the POS. The user can now set up graphical layouts to view the resources and see the availability of these.

New POS Commands

The following POS commands have been added:

Function Code	Description
EFT_GET_XREPORT	Invokes the EFT X-Report process.
EFT_GET_YREPORT	Invokes the EFT Y-Report process.

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

LS Central 13.04) Release Notes

About This Release

Build no. - 852
Released - March 21, 2019

This version is built on Microsoft Dynamics 365 Business Central, CU 03, build no. 27183

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 (13.04).

Product Name Change

LS Nav is now LS Central

As of previous release, version 13.03 in February 2019, the product name changed from LS Nav on Business Central to **LS Central**. This is reflected in the LS Central UI and Help.

New or Enhanced Features

Retail

BackOffice

BO Utils Codeunit: LS Nav Changed to LS Central

The product name **LS Nav on Business Central** has been changed to **LS Central** in the BO Utils codeunit.

Import Export Worksheet in Web Client

The Import Export Worksheet functionality can now be used in the Web Client. When data is exported, the export file is stored in the browser's download directory.

TS Server Utils Function Exposed

The *UpdateTSRetryEntryErrorMessage* function in codeunit POS Transaction Server Utility, which is used by LS Pharmacy, now has *Visibility External*.

Customer Orders

Customer Order Number Added to Transaction Card and Transaction Register

If a Customer Order is linked to a transaction, it is now possible to view the order from the **Transaction Registry** page and the **Transaction Card** page. If the order has been posted, the posted Customer Order is displayed.

Gradual Payments

Customers can now gradually deposit payments into existing Customer Orders.

Store Inventory

Empty Store Inventory Journals

Empty Store Inventory journals are no longer sent to the Batch Posting Queue.

LS Central POS

Enhanced EFT Implementation in the POS

The EFT implementation in the Web POS has been updated so the **Card Type** and **Card Type Name** are now mapped from transaction information. EFT FOB for LS Nav 2016 - 2017 have been updated.

LS Hardware Station

Easy Way to Configure LS Pay in LS Hardware Station and New Plug-ins

In LS Hardware Station the user can select and configure which LS Pay plug-ins to use. This can now be done in an easy, simple, and fast way with a new intuitive process.

New LS Pay plug-ins have been added for AltaPay TCP/IP connected, and Adyen Cloud connected.

Web Service

URI Support in Web Service for Multi-tenant Setup

Web Service setup now supports multi-tenant setup.

A new field, **Tenant**, has been added to the **Web Service Setup** page. When filled out, this field will affect the construction of the Web Service URI by adding a tenant extension to it.

At the same time, the registration (publishing) of web requests in Web Service version 2.0 has been changed to publish tenant dependent that is not for “All Tenants”. This makes the handling of web request activation and availability tenant pendent and more easy to configure.

A new check box, **SSL**, has been added to affect how the Web URI is constructed, that is if it should start with HTTP or HTTPS.

Web Service Setup and Distribution Location

Tenant fields have been extended to hold 40 characters and can therefore now hold Tenant IDs as defined in Business Central.

Improvements in Sending Item Details to Mobile Inventory App

Sending item details from Web Service to the Mobile Inventory App has been improved. Web Service now returns a lot of new information for the user and new functionality is easier to add.

Overriding Client Credentials

It is now possible to override the client credentials using Web Service version 2.0.

Web Service 2.0

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

- CustomerOrderFilteredList - replaces CUSTOMER_ORDER_FILTERED_LIST
- RetailMessageRead - replaces RETAIL_MESSAGE_READ
- ProcessTransMemberPoints - replaces PROCESS_TRANS_MEMBER_POINTS
- SendMemberEmail - replaces SEND_MEMBER_EMAIL
- SendMemberProcessEntry - replaces MM_SEND_PROCESS_ENTRY
- UpdateStaffStatus - replaces UPDATE_STAFF_STATUS
- GetStaffStatus - replaces GET_STAFF_STATUS
- SendStaff - replaces SEND_STAFF
- GetStaff - replaces GET_STAFF

LS Hospitality

Table Allocation Management v2

This is a major update to Restaurant Planning and Table Allocation processes and allows for much more sophisticated way to plan your restaurant capacity and to manage table reservations and walk-ins.

Restaurant Planning

It is now possible to set up your restaurant plan to schedule the opening hours of the restaurant with different layouts during the day (lunch, dinner) with different capacity. The major changes are:

- A new **Dining Area Plan** to set up a plan of the dining area for each day, specifying
  - when a dining area is open
  - which time periods are used within the day (breakfast, lunch, dinner)
  - which sections within the restaurant are open for each period (inside, patio)
  - what is the capacity for each period
  - what dining area layout is assigned to each period.
- The Dining Area Plans are created for each day by using **Dining Area Plan Templates** which are the base for the Dining Area Plan. It is possible to use the new **Date Schedule** to specify when the template is active (*Weekend, Weekdays, Fridays*) and a **Time Schedule** that divides the day(s) into periods.
- The plans can then be fine-tuned as needed by overriding the settings set originally by the template.
- Tables are now of a specific **Dining Table Type** that specifies the seating capacity and shape for the dining table or table combinations.
- **Combined Dining Tables** is used to set up table combinations that are allowed in your restaurant for table allocation. Table 1 (2p) and 2 (4p) can be combined (joined) to form a Table C1 (6p), so when allocating a reservation of 6 persons Table C1 would be allocated.
- Dining tables (both physical and combined) can be **ranked** for tables within a Dining Area Layout. This rank is used in the automatic table allocation for reservation entries.

Dining Reservations and Table Allocations

The table allocation panel has been enhanced greatly and allows for allocating table reservations to tables for any given date and time.

- The allocation panel can now show the table allocations in three views (it is possible to toggle between these):

- ◦ **Timeline view** (Default) – Shows the dining tables in a matrix that shows table status for a specific time interval during a day.
  - **Graphical view** – Shows the graphical layout of dining tables and their status at the start of the time range set on the panel.
  - **List view** – Shows the dining tables in a list with their start at the start of the time range set on the panel.
- All these views can be filtered by capacity, section, and status as needed.
- It is now possible to scroll the views by *Time, Day, Date, Week* or *Month*.
- Dining reservations are created using the LS Activity add-on (see Table Management Integration in the LS Central help) – In this release the restaurant capacity is set manually in LS Activity. There is work underway to let LS Activity use the capacity that is set up in the Dining Area Plan.
- Walk-ins are created directly in the allocation panel as before – they are intended for guests that have arrived and are waiting for a table.
- The reservation entries are filtered for the day selected in the **Allocation** panel – these entries can be auto-allocated based on the rank of dining tables set for the dining table layout that is active for the time the reservation is made.
- Search on multiple fields within a reservation - this provides a Google-like search within your reservation list so you can quickly search on telephone number, name, and so on.

Reordering Linked Items

The new REORDERQTY command can be used to reorder the current POS line and all its linked lines (such as modifiers). The command is useful when you want to increase the quantity of an item with modifiers and quantity change is not allowed.

The REORDERMENUTYPE command replaces the previous HOSP-REORDER command. The new command is used to order a new round for a specific **Menu Type** in the POS.

LS KDS

Communication With KDS Through Web Services Instead of NAS

A new communication framework between LS Central and KDS (Kitchen Display System) replaces the NAS service that was previously used. The new framework uses web services instead.

All references to NAS have been removed - the LS KDS Utility (installed with Kitchen Service) must now be used to set the URI to the Service Tier of LS Central. When Kitchen Service starts, it gets the configuration from the Service Tier and gets all Kitchen Order Tickets (KOTs) sent from POS. All logging from KDS to LS Central also takes place through these web services.

LS Activity

Memberships

Membership Deposit Account

A new **Member Deposit** management has been implemented to keep track of member deposits, which can be used as payment at point of sale. Shows the leftover balance on the receipt, when the balance is used for payment.

This includes 2 new POS commands:

- SELLMEMDEPOSIT - Pay into member deposit
- PAYMEMDEPOSIT - Use member deposit as payment on transaction

Note: This does not go through the Customer Accounts, but through a new mechanism.

A YouTube video (*https://youtu.be/QpA_U9UE940*) on the LS Retail channel shows this in more detail.

Membership Charge Adjustment Management

This keeps track of adjustments to membership charges, which are then picked up by the next invoicing batch.

This lessens the process of correcting charges, so there is no need to make credit invoices and so on. The user can simply enter adjustment entries which are then processed by the monthly subscription process. The entries must be logged to keep track of who makes the entry adjustment request and why.

A YouTube video (*https://youtu.be/jCzzT8UnsnA*) on the LS Retail channel shows this in more detail.

Membership Subscription Process Adjustments

Three adjustments have been made to the subscription batch process:

- Active membership entries that have expired before the 1st date in a process period are skipped or excluded.
- Access control has been changed to give access to *Inactive* memberships that still have an open access period.
- Posting the batch makes active and expired memberships inactive.

Updated FactBoxes in Membership and Member Part

FactBoxes on the **Member Contact** card and list have been enhanced to show total values in memberships.

Rentals

New POS Commands in LS Activity Rental

- SEARCHRENTAL - lets the user search rental reservations with assigned rental unit to return
- SEARCHUNITS - lets the user list all rental units with status *In Rental* and assign a unit to be returned.

General

LS Activity Web POS in LS Central 13.04 - Pre-release

This is a pre-release of Web POS functions in LS Activity. Currently, this functionality is for partner evaluation only and not recommended for implementations, unless in consultation with LS Retail. In order to test the LS Activity POS commands on the Web POS, you must register Codeunit 10015833.

Note: If you register this codeunit as a POS module, then all of the POS functionality will be processed through the new logic, regardless of whether you are using a Web or a Windows POS.

The following POS commands do not work in this release:

PUSH2CURREVENT, PUSH2EVENTS, PRESELLPRODUCT, REDEEMPRODUCT, PARTICIPANTS, VIEWATTRIBUTES, EDITACTATTRIBUTES, EDITPARTICIPANTS, SELLMEMDEPOSIT, PAYMEMDEPOSIT, ASSIGNUNIT2RES, ASSIGNUNIT2ACT, ASSIGNRENTAL, RETURNRENTAL, VIEWUNITS, RENTUNIT

LS Activity Attribute Enhancements

A feature has been added to turn attributes into fixed fields. This applies to reservations, activity, product, resource, and rental unit cards. The attribute acts like a field in the related table and can be filtered and edited in the card view.

Where to Open the Activity Matrix

It is now possible to set a parameter on the SELLMATRIX and BOOKMATRIX POS commands to specify in which POS menu the activity matrix opens.

LS Activity Demo Data in W1

A new LS Activity store, **S0016 Cronus Activity** with POS terminals P0092 (SPA) and P0093 (General Activity), has been added where both terminals use Clienteling for retail items.

- P0092 has Spa products, some with limited access and complementary products.
- P0093 has general activities such as Classes, Courses, Rental, and Meeting Rooms.

New POS Commands

The following POS commands have been added:

Function Code	Description
ALLOC_STATUS	Table Alloc. - Allocation Status for POS Menu
CO_DEPOSIT_PAYMENT	Customer Order deposit payment
CO_LIST_FIND	Find Customer Orders from all stores
PAYMEMDEPOSIT	Registering member deposit payment
REORDERMENUTYPE	Reorder sales line in POS by Menu Type. Replaces the HOSP-REORDER command
REORDERQTY	Reorder sales line in POS by Qty
RESERV_STATUS	Reservation status
SEARCHRENTAL	Search rental reservations and return units
SEARCHUNITS	Search rental units and return units
SELLMEMDEPOSIT	Registering member deposit
TR-A-SECTION_FILTER	Table Allocation - Dining Area Section Filter
TR-A-VIEW_CHANGE	Table Allocation - Change View
TR-A-VIEW_TOGGLE	Table Allocation - Toggle View
TR-A-TIMELINE-FUNC	Table Allocation - Timeline functions
TR-A-TIMELINETABLE	Table Allocation - Press Timeline View Table Button
TR-A-TIMELINEINTERV	Table Allocation - Press Timeline View Interval Button
TR-A-TIMELINEINTHDR	Table Allocation - Press Timeline Interv Hdr. Button
TR-STOP_ALLOCATING	Table Reservation - Stop allocating tables

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

LS Retail Apps

LS Central App

Easier to Enter Web POS URL in LS Central App

A new option has been added to the LS Central App to add the URL for the Web POS. The option can be used to create the URL string or it can be entered directly in a string as before. It is also possible to add the level of logging in the LS Central App for support purposes.

Mobile Inventory App

New Functions Added to the Mobile Inventory App

- Stock management now has 3 different methods for entering the quantity to order after scanning an item: *Ask*, *Quick Scan,* and *Suggested Quick Scan*.
- It is now possible to add pictures of an item and a comment in Stock management. The picture can be viewed in the LS Central store inventory worksheet.
- Sales information can now be displayed when scanning an item window. Partners can modify what information is displayed for each customer.
- Now a Unit of Measure (UOM) that is specified for an item's barcode can be used instead of the item's Base UOM from the **Retail Item** card.

Mobile POS App

Receipts from Mobile POS Formatted With Logo and Barcode

Now receipts can be formatted in LS Central with a logo and barcode to be printed on the mobile printer. A plug-in for Adyen has been added for Mobile POS.

Adyen Added to the Mobile POS

A new EFT plug-in from LS Pay, Adyen has been added to the list of available EFT plug-ins in the Mobile POS.

Other

Online Help

Search Filter Improvements

The search filter on the LS Central Help's home page has been improved. You can now exclude **Field** help from your search results (use the **All Except Field Help** filter). You can also limit your search to only **Retail** and **Hospitality** topics (use the **Retail & Hospitality** filter).

LS Omni Help Menu Moved and Renamed

The **LS Omni** online help menu has been deleted and the help topics moved under the **Retail** menu. You can find the LS Omni topics using the search feature and in their new location in the **Retail** menu: **LS Retail Apps - Mobile POS**, and **LS eCommerce**.

Fixed Issues

Member Process Order Entry to HO

A Member Process Order Entry is now sent to HO according to the setup in the POS Functionality profile. The **Terminal Connection** field in the POS Terminal is no longer used.

Gift Receipt Issues

The following issues with gift receipts have been solved:

- Text overflow POS error in gift receipt registration has been fixed.
- It is no longer possible to enter gift cards in *Refund* mode into POS transactions.
- Multiple lines of the same item in a transaction can now be printed on a gift receipt.

Retail Receiving Error Fixed

An error with receiving multiple lines of the same item with different UOMs (Unit of Measure) has been fixed.

Cash & Safe Management: Credit Card Only Terminals

Now POS terminals can be excluded from Safe Management. This can be useful for POS terminals for credit cards only (for example self-checkout POS).
Note: When a POS terminal is marked as excluded from Safe Management, no start or end amount is declared at start- and end-of-day. These terminals will be picked up in statement calculations.

Customer Orders

Validation Error When Using the Same Location Code in Multiple Stores

A validation error occurs when the same location code is used in multiple stores. Users cannot assign the same location to multiple stores, neither through **Store Location** nor directly on **Store**.

Search Results in LS Central Web Client

Customer Order pages are now visible on the Web Client.

Error When Posting an Order With Tender Type Customer Fixed

An error, which occurred when a sales order created in Customer Orders with the tender type *Customer* was posted, has now been fixed. It is now possible to finalize a payment to Customer Order by charging to the customer account.

Error Using Payment Into Account on the POS Fixed

Error with posting a payment on the POS into a customer account has been fixed.

Store Inventory: Compress Lines Action Fixed

The **Compress Lines** action in Store Inventory did not work correctly. Now compression of Store Inventory lines is done in two steps when entries in a counting worksheet including Area are compressed.

LS Central (13.03) Release Notes

About This Release

Build no. - 819
Released - February 14, 2019

This version is built on Microsoft Dynamics 365 Business Central, build no. 26413

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 (13.03).

New Product Name

LS Nav becomes LS Central

As of this release, 13.03 in February 2019, the product name changes from LS Nav on Business Central to **LS Central**.

In the online help, where the Help home page now displays the new LS Central brand color, the name change is already in effect. The same applies to the installer and the package name. There may still be occurrences of the old product name in different places but these will be removed in the next releases.

New or Enhanced Features

Retail

BackOffice Changes

Changes to Standard Functionality Removed

Previous LS changes to standard Business Central functionality have been removed from the following objects:

- **Standard Release Transfer Document**
- **Standard Copy Document Management**
- **Standard Purchase Order** and **Standard Sales Order** regarding variant handling. Handling of variant framework has been removed from these standard objects and is now handled by events and LS objects.

Get Inventory for Multiple Items

A new web service, GetInventoryMultiple, to get inventory for a list of items, has been added.

The web service lets the user send in a list of items and get as reply the total inventory per Store or Location. If only a **Store No.** is specified, the total inventory per store is returned. If both **Store No.** and **Location Code** are specified, the total inventory for the selected location in a store is returned. If only the **Location Code** is specified, the total inventory per location is returned. If both **Store No.** and **Location Code** are empty, the total inventory for each Store in the database is returned.

Mobile Inventory App

Improved Search in the Mobile Inventory App

The search feature in the Mobile Inventory now uses a mechanism to display search results in bulk when the result is large, fetching more result lines when needed, to make the search smoother for the user.

Mobile POS

New EFT Plug-in

AltaPay PAX A920 is a new EFT plug-in from LS Pay that has been added to the list of available EFT plug-ins in the mobile POS.

Web Service 2.0

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

- SendVoucherEntry - replaces SEND_VOUCHER_ENTRY
- GetVoucherEntries - replaces GET_VOUCHER_ENTRIES

Web POS

Enhanced EFT Implementation in the POS

The EFT implementation in the web POS now has improved functionality with the possibility to add Tips and Cashback to EFT payments. Now the system also stores more information from an EFT transaction to the LS Central log, for example the EFT slip information.

LS Activity

Deals as Additional Charges

A data structure has been created to handle deals in LS Activity products as additional charges.

Enhancement in Availability Matrix Functionality

When a user opens the availability matrix from the LS Activity **Reservation Card** and creates a new activity in the Matrix view, the system will now assign the new activity to the currently active reservation, rather then create a new reservation.

Role Center Improvements

- The **Resource** FactBox has been moved to the Role Center's **Actions** menu and is now the **Current Resources** action.

- **Calendar**, **Products**, and **Availability** have been moved to the FactBox area to the right on the display.
- The **Run POS** action detects whether a Windows POS or a web POS client should be executed.

Kitchen Display System (KDS)

Chit Size Options in the KDS Visual Profile

Chit size options have been added to the KDS Visual Profile. The options are only used when there is more than one row on the chit display.

LS Nav on Business Central (13.02) Release Notes

About This Release

Build no. - 800
Released - January 17, 2019

This version is built on Microsoft Dynamics 365 Business Central, build no. 26413

Note:
The 64-bit client is the default client when opening the Microsoft Dynamics NAV 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 Nav on Business Central Start tool for the POS.

The following is a list of changes and key features in LS Nav on Business Central (13.02).

New or Enhanced Features

Retail

Web Service 2.0

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

- COInventoryLocations - replaces web service CO_INVENTORY_LOCATIONS
- COQtyAvailability - replaces web service CO_QTY_AVAILABILITY_EXT
- COSourcingLocationList - replaces web service CO_SOURCING_LOCATION_LIST
- SendDataEntry - replaces web service SEND_DATA_ENTRY
- SendPosStartStatus - replaces web service SEND_POS_START_STATUS

BackOffice Improvements

Fields Added to LS Nav Retail Item Card

The Retail Item Card and Retail Item List pages are now in sync with MS Item Card and Item List.

LS Changes To Standard Mail Handling Removed

LS Changes to Standard Mail Handling have been removed.

LS Hardware Station

Notification Issued When Taking Over a Scanner

Users are now prompted if they want to take over a Hardware Station scanner that is in use by another Web POS.

Loading Devices

LS Hardware Station does not load all devices on startup. To speed up startup time for the Hardware Station, devices are not loaded until they are needed.

Replenishment

New and Fixed Item Default Settings

- A new option, **Use Default Item Store Rec**, in the **Item Default Settings** page has been added to specify whether to copy the Replenishment Item Store Rec of the Default Item.
- The option **Use Default Extra Dimensions** has been fixed and is now working correctly. It specifies whether to copy the Extra Dimensions of the Default Item.
- The option **Use Default Variant Matrix** has been fixed so that the Variant entries are inserted correctly when the option is selected.

Threshold Management: Partial Release

Threshold Management in Automatic Replenishment has been enhanced to allow partial document creation; in other words, **Purchase Orders** and **Transfer Orders** will be created for items without exceptions in the Replenishment Journal. You can enable this feature by selecting the **Thresholds Partial Doc. Create** check box in the **Thresholds** FastTab on the **Replen. Setup** and **Replen. Template** pages.

Purchase Order and Transfer Order Release Status Setup

Two new setup check boxes, **Release Purch. Order After Creation** and **Release Transfer Order After Creation**, have been added to the **Integration** FastTab in the **Replen. Setup** and **Replen. Template** pages, to define if the documents created from the Replenishment Journal should be automatically released.

New Fields in Threshold Rule: Replenishment Template Code and Any Item

Two new fields, **Replenishment Template Code** and **Any Item**, have been added to the **Threshold Rules** page. The **Replenishment Template Code** is used to define if the Threshold Rule is only applicable to a particular Replenishment Template. On the other hand, the **Any Item** field lets you set up a Threshold Rule on a higher item group level (Division, Item Category or Product Group), and then the same rule will be applied to all the items in the journal, which fall under the same item group.

For more information see *Threshold Management* in the LS Nav Help.

Action Add Location/Variants Added to Replenishment Item Store List Page

Using the **Add Locations/Variants** action the user can select a combination of Locations and Variants and then simultaneously add multiple lines into Replenishment Item Store Recs.

Replenishment Calculation: Average Usage

The data from **Replen. Sales Hist. Adjustment** can now be considered in calculating the item's **Date of First Sale** in **Replen. Item Quantities**.

For more information see *Sales History Adjustment* in the LS Nav Help.

LS Nav App (Android)

Full screen mode is now enabled to maximize the screen size that is used.

Web Sync

LS Retail Administration includes a new module named **Web Sync** with the following menu items:

- Web Table Groups
- Web Application Types
- Web Application Register
- Web Application Client Status
- Web Application Restore Data

Web Sync is designed to support web replication to apps to be controlled by the HO (source) database location. An app in this context can for example be a mobile device, POS, or an e-commerce site. What is to be replicated and the process for each app is controlled by HO. Each app will first register at HO defining its type. HO will control the data each app will receive. Every time an app wants to get data from HO it starts a sync cycle. The sync cycle includes getting information about what data is available at HO (full/delta) for each table, and the cycle is set up for this particular app type. Based on that information, the app has to ask for the available data, one table at a time, until the sync cycle has been closed.

Note: This module, and all objects related to it, should **not** be used as it is still under development. LS Retail reserves the right to modify or remove the module in upcoming releases.

New POS Commands

The following new POS commands have been added:

- ASSIGNRENTAL - assign equipment.
- ASSIGNUNIT2ACT - assign rental unit to activity (by list).
- ASSIGNUNIT2RES - assign rental unit to reservation (by list).
- BOOKMATRIX - show and book Activity matrix.
- BOOKMATRIX2 - show and book Activity matrix.
- BOOKMEMBERSHIP - book membership.
- BOOKPACKAGE - book package activity (parameter product).
- BOOKPRODLIST - book a single activity from list (no payment).
- BOOKPRODUCT - book a single activity (no payment).
- BOOKRESOURCE - book an activity from resource (parameter resource).
- CANCELACTIVITY - return security deposit from current list.
- CANCELCURRACT - return security deposit from current list.
- CANCELCURRRES - return security deposit from current list.
- CANCELRES - return security deposit from current list.
- CHANGETICKET - change ticket line.
- CHARGE2RES - charge to reservation.
- CONFIRMACT - confirm activities in journal and clear lines.
- EDITACTATTRIBUTES - edit actvity attributes.
- EDITPARTICIPANTS - edit activity participants.
- OPENACTIVITY - open the Activity Card.
- OPENRESERVATION - open the Reservation Card.
- PARTICIPANTS - list participants from the current journal line.
- PAYACTIVITY - pay from list of activities.
- PAYCURRACT - pay current selected activity.
- PAYCURRCLIENT - pay the current client's activities.
- PAYCURRRES - pay the currently selected reservation.
- PAYRES - pay reservation from list.
- POSTACTIVITY - internal: Post Activities.

- PREPAYACT - enter deposit to reservation.
- PREPAYCURRACT - enter deposit to currently active reservation.
- PREPAYCURRES - enter deposit to currently active reservation.
- PREPAYRES - enter deposit to reservation.
- PRESELLPRODUCT - pre-sell allowance of any activity product.
- PUSH2CURREVENT - send POS items to activity reservation.
- PUSH2EVENTS - send items to confirmed activities.
- REDEEMPRODUCT - redeem pre-sale allowance.
- RENTUNIT - sell rental based on unit number.
- RESMATRIX - build Resource Matrix View.
- RETRNACTDEPOSIT - return security deposit from list.
- RETRNCURACTDEPOSIT - return security deposit from current list.
- RETRNCURDEPOSIT - return security deposit from current list.
- RETRNRESDEPOSIT - return security deposit from list.
- RETURNRENTAL - return equipment.
- SEARCHCONTACT - search for member contact and assign to sale.
- SELLMATRIX - show and sell Activity matrix.
- SELLMATRIX2 - show sell Activity matrix.
- SELLMEMBERSHIP - sell membership.
- SELLPACKAGE - sell package activity (parameter product).
- SELLPRODLIST - sell from list of activity products.
- SELLPRODUCT - sell single activity product.
- SELLRESOURCE - sell activity from resource (parameter resource).
- TICKETPRINT - internal: ticket printing.
- TIMELINE - build Timeline View.
- VIEWACTIVITY - show Activity.
- VIEWATTRIBUTES - view activity attributes.
- VIEWUNITS - view rental assignment.

Hospitality

LS Activity in LS Nav on Business Central

LS Activity is now available as an Add-on for LS Nav on Business Central, providing reservation, rental, and membership modules as they were in LS Activity version 2.2.

The online help for LS Activity will be available in LS Central 13.03. Training videos for LS Activity can be found on the LS Retail channel on YouTube (https://www.y-outube.com/user/LSRETAIL1/videos).

Kitchen Display System (KDS)

KDS Printer Errors Shown on POS

Errors on KDS printers (paper out or some other issues) can now be shown on the POS so the user is notified and can take the necessary action. **Note:** This only works for KDS printers.

Other

Changes in Demo Data

- Some of the Demo Data stores and their locations have new names: store S0003 is Saalora Cosmetics and S0009 is Pulsar Electronics Store.

- New POS profiles have been created for Saalora and Pulsar stores.
- Setup Data has been added for LS Activity.

Online Help

The Excel document POS Commands.xlsx, which contains a list of all POS commands in LS Nav, has been updated. The document is searchable and has filters to make it easier to use. The document is also available via hyperlink in the POS Commands page in the LS Nav Help.

Fixed Issues

Unused Variables Removed from LS Nav Objects

All unused variables have been removed from LS Nav objects. OMA tools were used.

Images in Search Results on POS

An error, where images did not appear in Search Results on the POS (for example Member Contacts), has now been fixed.

LS Hardware Station

EFT Purchase Hangs

If a currency code in the POS does not match a currency code in PED, the Hardware Station hangs. This EFT Purchase Error has now been fixed.

LS Nav on Business Central (13.01) Release Notes

About This Release

Build no. - 792
Released - December 20, 2018

This version is built on Microsoft Dynamics 365 Business Central, build no. 26413

Note:
The 64-bit client is the default client when opening the Microsoft Dynamics NAV 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 Nav on Business Central Start tool for the POS.

The following is a list of changes and key features in LS Nav on Business Central (13.01).

New or Enhanced Features

Retail

BackOffice

Find and View Customer Orders

Users can now find Customer Orders and view their status using filters. The **Navigate Customer Orders** page shows a list of both Posted and Unposted customer orders in the same view. This can be very convenient, for example when searching for all Customer Orders linked to a specific name or address, no matter if they are open or posted.

Clienteling

Selecting Retail Hierarchy in Clienteling

When multiple Retail hierarchies are set up in a store, it is now possible to select which hierarchy to use in Clienteling setup in the POS. The available hierarchies are displayed on the top level of a brick view, and the POS user can easily select which hierarchy to use.

LS Hardware Station

LS Hardware Station Device Configurations in LS Nav

The configuring of all devices in LS Hardware Station, except the LS Pay EFT plugin, is now done in LS Nav instead of the Hardware Station Management Portal. This makes it easier for the user to have an overview of all settings in LS Nav.

Sharing a Scanner in LS Hardware Station

The LS Hardware Station can be used by a number of POSs at a time, and the Hardware Station handles the sharing of the devices. A change has been made to how the Hardware Station handles the sharing of a scanner: a POS can now request the use of a scanner, when it is already in use by another POS.

Allowing LS Nav 2016 winPOS to Use EFT Connection in LS Hardware Station

The LS Nav winPOS version 2018 can use the EFT connection through the LS Hardware Station. An FOB has been available for LS Nav 2017 to add this connection and now an FOB is also available for LS Nav 2016.

New POS Commands

Two new POS commands have been added:

- MOBILESCAN - opens a device camera for scanning in the LS Nav App on a mobile device.
- HARDWAREPROFILE - lets the user change hardware profiles.

Replenishment

Improvements on the Replenishment Data Control List Page

The **Add Locations** drop-down menu in the **Replen. Item Store Recs** FastTab has been replaced with a new action, **Add Locations/Variants**.

This new action opens a new **Location and Variant Selection** page which lets the user easily set up and create Replenishment Item Store Records by selecting the locations and item variants for the selected item.

For more information see *Replenishment Control Data List* in the LS Nav Help and the *LS Nav - Replenishment Control Data List* instructional video on YouTube.

Web POS

LS Nav App iOS Version Supports the Use of Mobile Camera

In the LS Nav App iOS version, it is now possible to use the camera of the mobile device to scan barcodes or QR codes. This functionality was previously only available in the Android version.

Kitchen Display System (KDS)

KDS Printer Error on POS

If there is an error (paper out or some other issues) on the printers in KDS, it is now possible to show that error on the POS to notify the user so he or she can take appropriate action.

This only works for printers that are KDS printers.

Fixed Issues

Fashion

Variant Values Sorted by Logical Order

The **Variant Values** and **Variant Base Values** in the **Variant Framework** and **Variant Framework Base Values** pages are now sorted by logical order.

Replenishment

Order Multiple Not Working Correctly when Assigned with 1 (One)

An error in the Purchase Replenishment Journal caused an incorrect rounding of the proposed unit of the item, when the **Purchase Order Delivery** was set as *To Store* and **Order Multiple** to *1* (One). This has now been fixed.

Vendor No. not Filled in the Replenishment Journal

An inconsistency in whether the **Vendor No.** field in the **Replenishment Journal Line** and the **Replenishment Journal Details** pages was blank or not, could result in a Replenishment Journal Detail Line to be incorrectly deleted after the order creation. This has now been fixed.

Web Service 2

An error that caused the **Publisher & Subscriber** action in the **Web Requests** page to fail has been fixed.

LS Nav on Business Central (13.0) Release Notes

About This Release

Build no. - 775
Released - November 15, 2018

This version is built on Microsoft Dynamics 365 Business Central, build no. 24623

Note:
The 64-bit client is the default client when opening the Microsoft Dynamics NAV 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 Nav on Business Central Start tool for the POS.

The following is a list of changes and key features in LS Nav on Business Central (13.0).

Important note:

There is a known issue in Dynamics 365 Business Central (version 13.0).

When re-using the variable of type RecordRef, when accessing to FIELDCOUNT and FIELDINDEX, they return previous table information.
It is expected that Microsoft will solve this in Dynamics Business Central CU2 due to be released in end of second week of December.

It is not recommended to use this release version of LS Nav on Business Central in a production environment until Dynamics 365 Business Central CU2 is available.

New or Enhanced Features

Retail

BackOffice

Store Images on the Web or in Apps

Now a store manger can use the Web Service *GetStoreImages* command to display all images of his or her store for customers on the web or in apps.

Store Opening Hours for a Requested Period

A new web service is now available to display store opening hours with extended opening and closing times on the web or in apps.

Replenishment

Variant Weight Curve

Variant Weight Curve is a new functionality in LS Nav Fashion that describes a product's variant distribution behavior. In most of the cases in Fashion line, different sizes of a product are not equally distributed. There is usually less demand for size XXS and XXL than for sizes S, M, and L, and this pattern can be defined using a Variant Weight Curve.

Variant Weight Curves can be created manually or calculated from historical sales data of Items or Item Groups (Division, Item Category and Product Group).

For more information see **Variant Weight Curve** in the LS Nav Help.

Update Data Profiles with Lifecycle Rule

Lifecycle Rule is a new functionality in LS Nav which extends the **Lifecycle Curve** by letting users define **Replenishment Data Profiles** for different periods in a product's lifecycle. A Scheduler Job will switch the Data Profiles for the items based on the lifecycle and the item's Lifecycle Start Date.

For more information see **Lifecycle Curve** in the LS Nav Help.

Variants: Tooltips on Pages

Tooltips on Variant Framework related pages have been reworked and improved.

Retail POS

Windows POS Can Print Using Hardware Station

It is now possible for the Windows POS to use a printer that is connected to a Hardware station.

Web POS

Easy Switch Between Hardware Profiles by Scanning a QR Code

It is now possible to easily switch between hardware profiles by scanning a QR code that identifies a hardware profile. This functionality is only available by using a camera scan functionality in a mobile device that is running the Web POS in the LS Nav App.

LS Nav App (Android Version) Supports New Zebra Printer Library

The LS Nav App now supports more Zebra printers as a new Zebra printer library has been added to the LS Nav App.

LS Nav App (Android Version) Supports Barcode Scanning

The LS Nav App can now scan barcodes by using the mobile device’s camera scanner.

LS Nav POS Is PayEx and AltaPay Certified

The LS Nav POS payment connection through LS Pay in the Hardware Station has now been certified by PayEx and AltaPay for the Ingenico IPP350 PED.

Kitchen Display System (KDS)

KDS Fallback Printer

It is now possible to set up a fallback printer if printing is set up as KDS printers. This means that if an error occurs while printing to a printing station (printer out of paper or some other error), the Kitchen Service will try to print on the fallback printer that is assigned to the faulty printing station.

Aggregate Pane on KDS Visual Profile

An aggregate pane has been added to the Kitchen Display Visual Profile where it is possible to configure position, size, and number of rows and/or columns. If this option is selected, the aggregate group assigned to the Display Station will be shown within the pane.

It is possible to configure the look of the Aggregate pane and the aggregate groups in the Display Station Profile.

Resend KOT to KDS Printers

If a KOT needs to be resent to the kitchen, the KOT can now be resent to KDS printers. The KOT will be printed out to all respective printer stations with a notification that this is a copy. The first time this is done, the ticket will have the text *Copy 1*, the second time the text will be *Copy 2* and so on.

Fixed Issues

Incorrectly Calculated Date Range Fixed

Incorrect calculation of the date range in Member Discount Tracking has been fixed.