

LS Central (22.0-22.4)

Release Notes

October 4, 2023

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LS Central 22.4 Release Notes

About This Release

This release only includes event updates and hotfixes since version 22.3 and is an on-premises version only.

Released - September 21, 2023

This version is built on Microsoft Dynamics 365 Business Central 2023, release wave 1, cumulative update 5, 22.5.59966.60134.

"Important Notices!" on page 1

"New or Enhanced Features" on page 3

"Fixed Issues" on page 3

"Hotfixes" on page 3

Important Notices!

For information about breaking changes in previous releases, click [here](#).

LS Central release plan changes

We are changing how we release new features in LS Central. Until now, we have included new features in our monthly releases. The monthly releases therefore included new events and hotfixes as well as new functionality.

Based on feedback from our partners and customers, we are scaling this back a little. We have decided to align our product development with the release timeline used by Microsoft for Business Central. This means that we will release new features for LS Central in two major release waves every year - scheduled for April and October, coinciding with the general availability of Business Central Release Wave 1 & 2. Our partners will be granted access to a feature-complete release candidate five to six weeks ahead of time.

We will continue to release new events and hotfixes on a weekly basis and cumulative updates on a monthly basis, but new features will be focused on the April and October updates.

We will have a release candidate ready five to six weeks before the major release from Microsoft. This means that the release candidate for version 23.0 will be made available by the end of August.

After the changes, the LS Central release plan looks like this:

- Version 22.3 released August 24.
- Version 22.4 released September 21, only includes new event updates and hotfixes and is an on-premises version only.

- Versions 23.0 is scheduled for the first week of October, depending on the availability of the 2023 Wave 2 update from Microsoft.
- After this, minor versions will be made available on a monthly basis, depending on the availability of the minor update from Microsoft.

We expect to follow the same process for the 2024 wave 1 version, with a release candidate scheduled to be made available late February 2024 and an official release coinciding with the release of Business Central 2024 wave 1 from Microsoft.

LS Central Universal Code Compliant

From version 22.0 LS Central is Universal Code compliant. This means that the property **Target** in the app.json files for the LS Central and LS Central System apps has been set to *Cloud*.

Customers who have the granule **Implemented code is not cloud-optimized** in their license can ask for this granule to be removed, once they have upgraded to LS Central 22.0 or higher, unless there are other extensions installed that are not Universal Code compliant.

Deprecation of Windows Authentication for Web Services

Windows authentication for web services has been deprecated. The Windows authentication was based on Business Central Windows authentication code. The Business Central Windows authentication code is marked as *OnPrem* and can therefore not be used by Universal Code compliant applications. This does not affect SaaS customers as the only authentication method supported in SaaS is OAuth authentication. On-premises customers must switch from Windows authentication to either Basic authentication (Web Service Access Key) or OAuth authentication for web services before upgrading to version 22.0 or higher.

See [How to: Set Up Basic Authentication for Web Services](#) in the LS Central Help for instructions.

Obsolete code marked with tag 20.0 and below removed

Our solution gets bigger with every release, but we intend to clean up by removing obsolete code in major releases as soon as the code has been marked obsolete for at least a year.

In release 22.0 we removed constructs like procedures and events, but there are no breaking schema changes yet, like Tables and Table fields.

Recommended action: Check if you are using a feature that has been marked obsolete for more than a year. The warning should state the reason and the alternative that is intended to be used.

OnPrem-only procedures are now obsolete

All procedures and objects that are marked `#if _IS_SAAS_`, previously marked `[Scope('OnPrem')]`, have become internal, unless otherwise

requested.

If your extension is using any of these, they will now get a warning.

Recommended action: If you have an OnPrem extension, check if there are any warnings. Usually, there are alternative procedures available, but partners can also request that a list of these is made public through the same flow as event requests.

Integration event triggers are now internal/local

In rare cases, it has been technically possible to trigger some of our events from an extension.

These cases are usually an oversight, since the internal/local keyword was missing for the IntegrationEvents so they became public, by default.

This has prevented us from adding new arguments to existing events, and therefore unnecessarily forcing new versions for events where a breaking change would not have been needed.

Recommended action: This should not require any work. There is a chance that somewhere an upgrade might fail, if it is calling an event function, for example in POS Transaction Event, which usually has no effect. Instead, the events are intended to be subscribed to, with an EventSubscriber.

Click [here](#) for a printable version of this notification.

New or Enhanced Features

Not applicable

Fixed Issues

Not applicable

Hotfixes

See the [LS Central Help](#) for information about hotfixes that have been released since the previous release.

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LS Central 22.3 Release Notes

About This Release

Released - August 24, 2023

This version is built on Microsoft Dynamics 365 Business Central 2023, release wave 1, cumulative update 4, 22.4.59114.59535.

"Important Notices!" on page 5

"New or Enhanced Features" on page 8

"Fixed Issues" on page 16

"Hotfixes" on page 22

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Click [here](#) for a printable version of this notification.

New or Enhanced Features

LS Central

LS Central

Loyalty points calculation based on store currency

The way the system calculates member points earned during a sale has been changed. Earned points are now calculated using the LCY value.

Printing reports with Hardware Station in more formats than A4

The Hardware Station printing capabilities have been expanded to include a range of paper sizes beyond A4. To support this, the field **Printer Paper Kind** has been added to the **Printer Selections** page.

Fashion

Description for Variant Dimensions

It is now possible to input a description that can better describe the Variant Dimensions, by using the new **Description** field that was added to these pages:

- Variant Framework Base Values
- Variant Framework
- Item Variant Framework.

New Quantities Item/Variants Report

A new **Quantities Item/Variants** report has been introduced showing the **Sales (Qty.)**, **Purchases (Qty.)**, **Negative Adjmt. (Qty.)**, and **Positive Adjmt. (Qty.)** information for item variants over a specified period and a comparison period. The report shows the information for each variant, and also the aggregate on the item and item category level.

POS

EFT configurations moved to POS Terminal Card

Configurations on the **POS EFT Card** that are not related to EFT specific functionality but are rather to control the behavior of the POS itself have been moved to the **POS Terminal Card**, to a new FastTab called **EFT**.

These configurations have, for example, to do with configurations for printing EFT receipts and how to handle the tips functionality within the POS.

EFT configurations that were previously part of the **General** FastTab on the **POS Terminal Card** have been moved to the new **EFT** FastTab or marked as obsolete.

Hardcoded panel IDs and profile IDs replaced with enums

Enums have now replaced hardcoded strings in control IDs.

Improved filtering

An issue that prevented filtering with more characters than the field type has been fixed. It is now possible to use special characters in filtering.

New field in POS Functionality Profile Card

A new field, **Receipt Scanner Behavior** has been added to the **POS Functionality Profile Card**.

The field specifies which panel will be displayed when you scan a transaction receipt. By default, the current **Return** panel opens.

There are two more options available, one to open the **Transaction List** panel, the other to ask which panel to open.

Two new [POS Commands](#) were created: `SCANNER_BEHAVIOUR` and `POPUP_SCANNER_BEHAVI`.

Note: Regarding the **Clear Filter** button, there is already a `RESET` command that can be added to the menus. In that case, for Demo Data, you just have to add it to the `#TRANS` menu.

New field in POS Terminal Card

A new field, **Include EFT information in Z Report**, has been added to the **POS Terminal Card**, in the **EFT** FastTab.

The available options for the field are:

- *Never* - the POS will not add information from the EFT device to the X/Z reports. Use this option when the EFT device does not support this functionality.
- *Ask user* - displays a message box where the cashier can decide, if this information should be retrieved or not.
- *Always* - retrieves this information from the EFT device and adds it to the X/Z report without asking the cashier to confirm.

The default value for all terminals is *Ask user*, because that is the current default behavior.

POS commands and URL parameters created for Debug Log and Profiling

The following [POS commands](#) were created to reduce the manual overhead when this kind of data is needed for troubleshooting.

- DEBUGLOG
- DEBUGLOG_OPEN
- ALPROFILER
- ALPROFILER_OPEN
- POSREC

Some further debugging commands were also added to troubleshoot runtime errors or other dialog-based methods from Microsoft: ERROR_DIVZERO, ERROR, ERRORBEEP, MESSAGE, MESSAGEBEEP, CONFIRM and STRMENU. These commands are only expected to be used internally.

ShowPanel improved with empty panel ID

When the SHOWPANEL command is used with an empty parameter, the POS now displays the last active panel (closes the current panel).

Replenishment

Auto-Fill removed in Replen. From Warehouse setup

When entering Item No. in the **Replen. From Warehouse** list, the system will no longer automatically fill in the entry with the Division Code, Item Category Code, and Retail Product Code of the item.

Enhanced Replenishment for BOM and Components

Functionalities have been added to further improve the Replenishment solution for BOM and Components.

Support for Multi-Company Replenishment

The BOM and Component Replenishment Journals now support replenishment calculation with Multi-Company setup. The Replenishment Item Quantity (RIQ) for the BOM and Components will be calculated in each of the sales companies, before they are copied and consolidated into the supply chain company for centralized replenishment calculation.

When calculating the Component Transfer Replenishment Journal in the supply chain company, if the destination location resides in the sales company (set up with the Data Source of *Other Company* or *Other Database* in the **Location Card**), then Sales Orders will be created instead of Transfer Orders from the journal. As for the Assembly Orders involving BOM items that are produced in stores, they will be created from the BOM Transfer Replenishment Journal in the respective sales company, instead of the supply chain company.

For more information see [Multi-Company Replenishment](#) in the LS Central Help.

Bulk data maintenance with Replenishment Control Data List

The Replenishment setup fields related to BOM and Components replenishment calculation have now been added to the Replenishment Control Data List, to enable you to perform bulk update on the fields if needed. The fields that have been added include the following:

- Parameters that are available on the item's Replenishment Control Data page:
 - Consider Consumption as Sales
 - Use BOM/Component Journal
 - Calc. Sold Comp. in BOM Jrnl.
- Parameters that are available on the item's Replenishment Control Data page, Item Store Record, and the Replenishment Data Profile:
 - Effective Inv. Assembly Ord.
 - BOM Assembled In

For more information see [Replenishment Control Data List](#) in the LS Central Help.

Get notified in the Component Replenishment Journal when a recalculation is needed

When a BOM Replenishment Journal has been updated, a notification will now be displayed in its relevant Component Replenishment Journals, to inform that a recalculation of the Component Replenishment Journal is needed to get the updated result. You can easily switch the notification on or off by using the **Disable Notification (BOM Journal Update)** setting in the Replen. Setup.

Improved Threshold Rule Values page

We have refactored the **Total Cost Amount**, **Total Sales Amount**, **Total Profit Amount**, **Total Quantity**, **Total Weight**, and **Total Cubage** fields which reside in the **Information** FastTab in the **Threshold Rule Values** page, to now show the total values of all the Replen. Journal Detail Lines, instead of the ones without threshold exceptions only from the relevant Replenishment Journal. This improves the performance of the page.

Furthermore, the integration event *OnBeforeOnAfterGetCurrThresholdRuleValueRecord* in the **Threshold Rule Values** page has been obsoleted and replaced with *OnBeforeRecalculateTotalFields*, to allow overriding the new behavior, if needed.

Item attribute value filter with lookup in Replenishment Journals

The Purchase and Transfer Replenishment Journals have been enhanced. Their **Add Items to Replenishm. Jrnl.** reports now come with an **Item Attribute Value** filter with lookup functionality. This makes it easier to select an available attribute value and add it to the report.

Also, to allow more attribute values to be used as filters, the **Item Attribute Value Filter** field has been obsoleted in the **LSC Replen. Template** and **LSC Replen. Item Quantity** tables, and the field is replaced with the new **Attribute Value Filter** field, having an extended field length of Text[250].

Rounding of Lead Time Sales Quantity in Replenishment Calculation

In Replenishment calculation, the Lead Time Sales Quantity has been updated to round to nearest instead of up, based on its defined rounding precision.

Setting up number series per location for sales orders created from Replenishment Journal

When working with Multi-Company Replenishment setup, you can now specify a different number series per location, for the sales orders that are created from the Replenishment Journal for the sales companies. You can set this up by using the **Sales Order No. Series** field in the **Location Card** and enabling the **Create Sales Orders per Location** setting in the Replen. Template for the journal from which you wish to calculate and create the sales orders.

Warehouse location selection in Allocation Plan and Stock Recall pages

A new field called **Warehouse Location Selection** has been introduced in the **Allocation Plan Defined**, **Allocation Plan Distribute**, and **Stock Recall** pages.

- The default option is *From Replenishment Setup*, where the system uses the Warehouse Location Code based on the setup from the **Replen. From Warehouse** if it exists, before using the Warehouse Location Code specified on the **Allocation Plan** or **Stock Recall** page to create the order documents.
- The second option is *From Current Page Setup*, where the system always uses the Warehouse Location Code specified on the **Allocation Plan** or **Stock Recall** page to create the order documents.

Restaurants

Hospitality table lock changed

In the **Staff Permissions** and **Staff Permissions Group List** pages, the field **Open Din. Tbl. Locked By Staff** has been added. This permission makes it possible for the cashier to open a dining table that is locked by staff (the staff member owns the table from seating) without having manager privileges. The cashier must also have the **Open Sales POS** permission.

Self-Service Kiosk: Upgrade to a meal

Customers are now offered to purchase a meal deal after selecting an item to buy. For example, when the customer selects a cheese burger from the menu, the Self-Service Kiosk now offers the customer to purchase a cheese burger meal. You must activate the upsell for the hierarchy the Kiosk is using and specify which deals are available for each item that is offered as an upsell deal.

LS Central Modules

Bookings for LS Central

Guest types

The Bookings module now supports Guest Types as an additional pricing identifier. This allows users to simplify product setup, by using same product settings for multiple pricing options, that is *Adults*, *Seniors*, and *Children*, for example.

New fields in Activity Setup

New fields, **Backoffice POS Terminal No.** and **Backoffice Deposit Staff ID**", have been added to Activity Setup and are used to make pre-payments from Backoffice.

Web API enhancements

The Guest Type settings have been added to the Bookings' Web APIs for requesting availability and confirming reservations.

Hotels for LS Central

Hotels for LS Central is a separate app extending LS Central.

Booking Engine Connector adjustments

- The Booking Engine Connector app was adjusted to support new localizations. The tax amount is now coming from the Booking engine (SynXis). No VAT is now stored in tables.
- The Booking Engine Connector is now using Promoted Actions in all pages, but there are no visual changes are on pages.

Folio Deposit process in BackOffice

A new feature, Deposit Assignment, was introduced to assign Deposit Collected to different folios so that when paying, folios will consume the deposit assigned. This feature is accessible from **Actions**, below **Balance Transfer**. From this page, assignments can be done manually or automatically with the **Auto-Assign** button.

The deposit assignment consumption will be registered in the **LSCHT Res. Payment Entry** table, so a new type of line, **Deposit Consumption** was introduced. The **Deposit** field is replaced by **Entry Type**, an enum field that differentiates between Payment, Deposit, or Deposit Consumption.

Additionally, it is now possible to make a deposit directly to a folio. The **Folio No.** field was added to the **LSCHT Deposit Amount Payment** page.

New fields in Hotel Setup

- A new field, **Res. Extra Shoulders (No. of Days)**, has been added to Hotel Setup. The field specifies if and for how long the reservation extra shoulders are allowed. For example, if the user enters 7 in this field, the reservation extras can be added 7 days prior to arrival date and 7 days after departure date. For now, there is no limitation on the length of the shoulders. There are no shoulders, if the value in this field is 0.
Reservation extras are now in sync when reservation dates are shifted. When the reservation is changed, and the date on the reservation extra is not in the new reservation date range, the reservation extra is added, either on the first day or the last.
- New fields, **Filter Days Back** and **Filter Days Forward**, have been added in Hotel Setup under **Default Values**. If these fields are set, they define the filter interval, otherwise the default is 90 days and 2 years like before.

New Rate Code config action

New action, **Export to Excel**, has been added to the **Daily Room Rate Config** and **Previous Rate Config** pages. The action exports the data to an Excel sheet in a format that the import action understands and users can import back to publish the rates again. This improves working with rates.

Night Audit Deposit consumption and folio check

If there are prepaid deposits for a reservation, the deposit is consumed as much as possible for each day. The deposit is posted as debit to the Customer Prepayments account and as credit to the Customer account. If the deposit is attached to a Folio, it is only consumed to that Folio, but otherwise it is used without a Folio check. The deposit consumption is posted to the **Reservation Payment Entry** table.

Routing Rules changed in line with folio structure

Demo Data for Routing Rules have been updated to comply with the new folio structure.

Split Bill panel removed from Hotel POS

The **Split Bill** panel and all its functionality has been removed from the Hotel POS.

Visual indicators added in Cancellation Prompt

New field, **Included in Fee**, was added to the lines page in **Cancellation Prompt**. Also, when you use the Escape key from the **Cancellation Prompt**, the **Extras Fee** is reset to 0 in the **Hotel Res. Cancellation** page.

Also, the **Fee Created** field is now displayed in the **Hotel Res. Cancellation** page to show what line was used to create the cancellation fee.

Pharmacy for LS Central

Pharmacy for LS Central is a separate app extending LS Central.

Expiry handling

Expiry handling is now part of the LS Central solution.

New Pricing experience

New Pricing experience has been implemented in W1 and IS and NO localizations.

Procedure SetMarkedLines

Selecting one or more lines in Pharmacy Customer Order POS panels is now possible and visible.

Staff Management for LS Central

Deleting roster removes all entries in the Day specific table

Deleting a roster in Staff Management now removes all related capacity and unavailability settings in the Bookings module.

Supporting Functionality

Hardware Station for LS Central

Hardware Station printing app: print different sizes on a Windows printer

The Hardware Station for LS Central printing app can now print in sizes other than just A4.

Note: The regular Hardware Station for LS Central is not capable of this.

OPOS printing on a Windows configured printer: line spacing

To avoid generating extra lines, the default value for line spacing in Windows printers has been changed from 10 mm to 1 mm.

Other POS Commands

The following POS commands are new in LS Central 22.3:

ALPROFILER	To start AL Performance Profiler or stop/download from it.
ALPROFILER_OPEN	To open the AL Performance Profiler page.
DEBUGLOG	To start POS Debug Log or stop/download from it.
DEBUGLOG_OPEN	To open the POS Debug Log Setup page.
POPUP_SCANNER_BEHAVI	Displays a pop-up menu with the option values from the <i>"LSC Receipt Scanner Behaviour"</i> enum. The command is called to select what panel to open when scanning a transaction receipt.
POSREC	To start POS Client data or stop/download from it.
SCANNER_BEHAVIOUR	Process the scanned transaction. Based on the POS Functionality Profile field Receipt Scanner Behaviour , which opens the respective panel.

See [POS Commands](#) in the LS Central Help and the corresponding [Excel list](#) with filters for a complete list of POS commands.

Fixed Issues

LS Central LS Central

Bug-Fix-For-Purge_Transactions

Code has been added to make sure the Purge functionality only applies to the active terminal. Some performance tweaks were also added to the code.

Error replicating Hierarchies to LS Magento - node ID too long

Handling of preactions has been enhanced to handle correctly a primary key where ';' is part of any primary field's value.

Parameter character length issue

Procedure parameter *CheckItemUnitOfMeasureCode* was updated to allow a bigger **Description**.

Recipe item explode at posting not working

Statement posting has been enhanced to include the field **LSC Statement No.** when posting BOM items. This enhances navigation for posted statements to include (show) inventory movements for BOM items and components.

Note: Everything is already posted correctly, it is only the navigation page that does not pick up all the posted entries.

Statement calculating transaction integrity

A check was added to confirm that the **Trans Sales Entries** line count is equal to the **Trans Item** lines count, and that the **Trans Payment Entries** lines count is equal to the **Trans Payment** lines count. An already existing procedure was used.

Web Request enhancements

The following web requests enhancements have been implemented:

GetActionsFromRmtDBV2 not working with actions

Data Distribution WS has been enhanced to handle both remote pre-actions and actions. This was done by replacing web request *GetActionsFromRmtDBV2* with request *GetActionsFromRmtDBV3*.

Note: This requires web request *GetActionsFromRmtDBV3* to be Published and Subscribed in all relevant locations.

GetStaffV2 response is not correct

Web request *GetStaffV2* has been enhanced to include fields **POS Menu Profile** and **POS Style Profile**.

Note: This requires web request *GetStaffV2* to be Published and Subscribed in all relevant locations.

Fashion

Issue when running Purchase Order Matrix Report with Matrix Output Type

When running the **Purchase Order Matrix** report with Output Type set to *Matrix*, an error occurs if the Purchase Order consists of Purchase Lines with variant items. This has now been fixed.

POS

The following fixes have been implemented in the POS:

Calendar menu jumps many months on clicking next/previous month

The **Calendar** panel sometimes chose a wrong date for users on timezones reaching previous/next date.

Disabled POS buttons are no longer shaded

Buttons that only display information, like status for example, or do not have any text at all (blank buttons) are shaded (grayed), if they have the disabled property set to *true*. To revert the change, set the **Disabled** property to *false*. This has no side effect for these buttons as no functionality exists for them

Joining arrows disappear when menu is loaded without loading the joined buttons

An issue that caused the joining arrows to disappear when a menu was redrawn, has been fixed.

Replenishment

Default Replenishm. Grade Code field not visible on Location Card

When the **Store Items Ranged By** field in **Replen. Setup** is set to *Item Category/Grade*, the **Default Replenishm. Grade Code** field in the **Replenishment FastTab** in the **Location Card** was not visible. This issue has now been fixed.

Issue when running Replen. Update Out of Stock Report

An error that occurred when running the **Replen. Update Out of Stock** report, caused by the **Replen. Stock Out Scheduler** job not being pre-configured in the system, has now been fixed.

Issues with Replenishment Journals when working with Planned Stock Demands

- When adding items to the Replenishment Journal with Planned Stock Demands, an error that occurred when there are multiple Planned Stock Demand lines having the same item, has now been fixed.
- When calculating the Transfer Replen. Journal with Planned Stock Demands having item variants, an issue where the transfer quantity of the item variants is not limited by the available warehouse effective inventory, has now been fixed.

Language-specific date formula issue in Allocation Rule pages

When certain non-English languages are used (for example *fr-BE*), an error occurred when updating the **Date Formula for Start Date** and **Date Formula for End Date** fields in the **Allocation Rule** and **Allocation Rule Calculation** pages. This has now been fixed.

Locking issue when running Replenishment Item Quantity Calculation in parallel

A locking issue that occurred on the Scheduler Job Header table when running the Replenishment Item Quantity (RIQ) calculation in parallel, has now been fixed. Additionally, the performance of the master job when assigning the item range to the linked Scheduler jobs, has been improved.

Overflow in Replen. Planned Events when linked to Discount Offer

When a Replen. Planned Event is linked to a Discount Offer with No. exceeding 10 characters, using the **Update Lines** action in the **Replen. Planned Events** page causes an overflow error. This has now been fixed.

Replen. Sales History Adjustment Calculation Rules using Planned Demand Event with Out-of-Stock Days

When creating the Sales History Adjustment (SHA) entries using the **Replen. Sales History Adjustment Calculation Rule** with *Planned Demand Event* type, the system now excludes the sales that occurred on an out-of-stock day from the average sales quantity calculation. This fixes an issue where the Adjusted Qty in the created SHA entries have a growing value on each subsequent day.

Also, if **Stock Out Functionality** is disabled in the Replen. Setup, the Out-of-Stock calculation results are disregarded in the Replen. Sales History Adjustment Rule calculation.

Replenishment Item Quantity not calculated for warehouse locations

When an item is set up with the Replenishment Calculation Type of *Automatic - From Data Profile* but is not assigned with a Replen. Data Profile, the Replenishment Item Quantity (RIQ) records are not calculated for the warehouse locations even when valid Item Store Record (s) exist for the store locations. This issue has now been fixed.

Store Group Filter in Replenishment Journal

There is an issue where the Store Group Filter set on the Replen. Template is not applied correctly when the Replenishment Journals are calculated with the scheduler job. This has now been fixed.

Restaurants

Producing recipes - message about posting

When checking availability for recipe ingredients, users are now asked if they are sure they want to produce items even if they have enough in stock.

Shopify

Shopify bug fixed

Price with or without VAT has been fixed.

Hotels for LS Central

Cancel Charge Value opens as non-editable on Open page

A bug occurred when users edited the **Cancel Charge Value** in the **Cancellation Policy Line** subpage, the field always opened as non-editable. This has now been fixed.

Cancellation Policy issues

The following issues with Cancellation Policy have been solved:

Cancellation Policy does not calculate penalty fee correctly

An issue occurred when setting a cancellation scenario over a number of days before arrival without specifying a top limit. Now, use 0 or blank to specify the period over the biggest No. of Days in the setup.

Also, the caption for the field **Cancel No. of Days** has been updated with **Cancel within No. of Days** for clarity. When a value is specified in that field, days from the arrival/confirmation date to the set value are included.

Cancellation policy prompt overwrites selection

Functionality has been changed, so that now when adding the reservation Extra item to the cancellation Fee, instead of combining it into one single DRE line, the original DRE lines of the selected Reservation Extra items are kept. This way, the correct TAX information is kept, based on the items, and it is clear what the guest has to pay and for what.

Confirmation message needs to be suppressed

Copying reservation comments to group comments has been fixed.

Customer discount fix

Customer discount was not changed when the customer was changed in reservation extra. This has been fixed.

Demo Data setup

The default value for the **Account Method** field in Hotel Setup(the **Night Audit** FastTab) has been changed from blank to *Temp Balance*.

Error in voiding a transaction

An issue with voiding a transaction with a deposit has been fixed. The payment entry was not reset correctly and gave an error when the user tried to pay again.

Extra lines with daily posting pattern not added with correct dates to DRE

Extra lines with a daily posting pattern were added to DREs with the date of the Reservation Extra Line instead of each day of the reservation. This bug has been fixed.

Issue in Demo Data with routing rule

An issue with folio templates for routing rule in Demo Data has been fixed.

Items added and paid on POS through Finalize Invoice not marked as paid in DRE

After extras were added in the POS and payed there, the corresponding DRE lines were not marked as paid. This has been fixed.

Reservation Extras cancellation amount not calculated correctly for daily posting pattern

A bug occurred in the cancellation fee when it included Daily Res. Extras. The amount did not include the real amount for all reservation days. This has been fixed.

Routing Rule validation

Routing Rule validation has been moved into the Hotel Invoice Management codeunit. It was exposed externally with the *HotelInvoiceMgt_ValidateRoutingRule* function in codeunit Hotel Integration.

Pax counter in Group Reservations

A bug occurred in the Pax counter in Group Reservations when a guest was deleted in the **Guest List**. The bug was fixed, and a drill-down action for the **Reservation No.** field was added to open the **Guest List** directly from the field.

When upgrading to another rate code the balance is calculated incorrectly

An issue that occurred when upgrading to another rate code caused some DRE activity lines to have an incorrect price. Now a functionality checks price consistency with related activity reservation.

Pharmacy for LS Central

Agent header in FMD requests

A user agent header was added to FMD requests for Solidsoft.

Change local property on event *OnBeforeGetExternalWebPage*

The property has been modified on event *OnBeforeGetExternalWebPage*.

Interaction Tables enhancements

The Issued Item and the Delivered Item are now shown in the **Intervention Log** list page. Minor enhancements have also been made to the ATC Interaction table.

Internal e-prescription upload can fail

Prescriptions uploaded to the demo gateway now have a unique prescription number and an Original Prescr. number.

SE comments enhancements

Changes have been implemented in the handling of SE comment fields in the Split process.

Missing code in W1 AL that was waiting for LS Central updates has now been added.

Supporting Functionality Commerce Service for LS Central

The following fixes have been implemented:

- **AL: Fix GetMemberContactInfo**
Blocked info added to Member Contact information and password removed.
- **ReplEcommMember endpoint does not return Cards object**
New OData Replication function GetContact2.

Kitchen Display System for LS Central

Fix BumpToPrinter in KDS and production times

Bump to Printer from a display station has been fixed.

Hotfixes

See the [LS Central Help](#) for information about hotfixes that have been released since the previous release.

This page is intentionally left blank to ensure new chapters start on right (odd number) pages.

LS Central 22.2 Release Notes

About This Release

Released - June 29, 2023

This version is built on Microsoft Dynamics 365 Business Central 2023, release wave 1, cumulative update 2, 22.2.56969.57617.

"Important Notices!" on page 25

"New or Enhanced Features" on page 27

"Fixed Issues" on page 29

"Hotfixes" on page 31

Important Notices!

For information about breaking changes in previous releases, click [here](#).

LS Central Universal Code Compliant

From version 22.0 LS Central is Universal Code compliant. This means that the property **Target** in the app.json files for the LS Central and LS Central System apps has been set to *Cloud*.

Customers who have the granule **Implemented code is not cloud-optimized** in their license can ask for this granule to be removed, once they have upgraded to LS Central 22.0 or higher, unless there are other extensions installed that are not Universal Code compliant.

Deprecation of Windows Authentication for Web Services

Windows authentication for web services has been deprecated. The Windows authentication was based on Business Central Windows authentication code. The Business Central Windows authentication code is marked as *OnPrem* and can therefore not be used by Universal Code compliant applications. This does not affect SaaS customers as the only authentication method supported in SaaS is OAuth authentication. On-premises customers must switch from Windows authentication to either Basic authentication (Web Service Access Key) or OAuth authentication for web services before upgrading to version 22.0 or higher.

See [How to: Set Up Basic Authentication for Web Services](#) in the LS Central Help for instructions.

Obsolete code marked with tag 20.0 and below removed

Our solution gets bigger with every release, but we intend to clean up by removing obsolete code in major releases as soon as the code has been marked obsolete for at least a year.

In release 22.0 we removed constructs like procedures and events, but there are no breaking schema changes yet, like Tables and Table fields.

Recommended action: Check if you are using a feature that has been marked obsolete for more than a year. The warning should state the reason and the alternative that is intended to be used.

OnPrem-only procedures are now obsolete

All procedures and objects that are marked `#if _IS_SAAS_`, previously marked `[Scope('OnPrem')]`, have become internal, unless otherwise requested.

If your extension is using any of these, they will now get a warning.

Recommended action: If you have an OnPrem extension, check if there are any warnings. Usually, there are alternative procedures available, but partners can also request that a list of these is made public through the same flow as event requests.

Integration event triggers are now internal/local

In rare cases, it has been technically possible to trigger some of our events from an extension.

These cases are usually an oversight, since the `internal/local` keyword was missing for the `IntegrationEvents` so they became public, by default.

This has prevented us from adding new arguments to existing events, and therefore unnecessarily forcing new versions for events where a breaking change would not have been needed.

Recommended action: This should not require any work. There is a chance that somewhere an upgrade might fail, if it is calling an event function, for example in POS Transaction Event, which usually has no effect. Instead, the events are intended to be subscribed to, with an `EventSubscriber`.

Click [here](#) for a printable version of this notification.

New or Enhanced Features

LS Central POS

POS constants, hard coded POS tags replaced with enums

Hard coded strings in POS tags have been replaced by enums.

Replenishment

Replenishment for BOM and Components

A new functionality in Automatic Replenishment has been introduced, to work with the replenishment calculation of Bill of Materials (BOM). The solution calculates the demand for the BOM items and then breaks down the demand into their Components, which are purchased and transferred.

This process is common in Hospitality, but is not limited to that industry, it can be applied to all item types that use the Assembly BOM concept.

For an overview of the Replenishment for BOM and Components concept, see [Replenishment for BOM and Components](#) in the LS Central Help.

New Replenishment Journal Types for BOM and Components

The **BOM Replenishment Journal** and **Component Replenishment Journal** have been introduced to work with the replenishment calculation for BOM and Component items. The calculation is done in a two-step approach where the demand of the BOM items are first calculated in the BOM Replenishment Journal, and then in the second step, the system calculates the replenishment quantities of the Components in the Component Replenishment Journal, based on the demand of the BOM and the number of each Component needed to assemble the BOM.

Refer to the following LS Central Help pages for more information:

- To understand how the items and Replenishment Templates can be set up to work with the BOM and Component Replenishment Journals, see [Common Replenishment Data Fields](#) and [Replenishment Templates](#).
- To learn more about the process behind the replenishment calculation for BOM and Components, see [Calculation Process for BOM and Components](#).

Assembly Orders in Replenishment

The BOM and Components replenishment process supports Make-to-Order (set up with the BOM Method of *Explode at Posting* in the item's **Recipe Card**) and Make-to-Stock (set up with the BOM Method of

Produce in the item's **Recipe Card**) BOM items. For Make-to-Stock BOM items, since they will be produced in advance and stored in inventory, Assembly Orders can be created in the BOM Replenishment Journal for the BOM items to be produced in the warehouse or the stores.

Also, you now have the option to include the quantities from open Assembly Orders in the Effective Inventory calculation in Replenishment.

For more information see [Create Assembly Orders](#) in the LS Central Help.

Integrating Weekly Menu Planner with Replenishment

You can now link a Replenishment Planned Event with a Weekly Menu Planner, to allow the meals that have been entered upfront in the Weekly Menu Planner to be transformed into Planned Sales Demands. The additional sales from the Planned Sales Demand lines add to the demand from regular sales in the stores and the summarized demand is calculated in the BOM Replenishment Journal.

For more information see [Producing Recipes in the Weekly Menu Planner](#) in the LS Central Help.

Replenishment Calculation for Components without recipes

You now have the option to include Item Ledger Entries of type *Negative Adjmt.* and *Assembly Consumption* in the Daily Sales calculation in Replenishment Item Quantity (RIQ). You can activate this option by using the **Consider Consumption as Sales** setting in the item's **Replenishment Control Data** page. This allows the consumption history of Components without recipes, which are usually being posted as Negative Adjustments to be tracked similar to the sales history of generic items. As a result, the Components can be replenished with the Average Usage method, using the standard Purchase and Transfer Replenishment Journals similar to the process for non-BOM items.

For more information see [Replenishment for BOM and Components - Component Centric](#) in the LS Central Help.

LS Central Modules

Hotels for LS Central

Hotels for LS Central is a separate app extending LS Central.

Adjustments to Booking Engine Connector (BEC) app

- As support to new localizations, VAT is no longer stored in tables.
- Promoted Actions are now used in all pages, no visual changes on pages.

Occupancy-based pricing extended to five adults

Now, when using Occupancy-based pricing, users can have separate pricing for adults 1-5 instead of only Adult1 and Adult2.

Pharmacy for LS Central

Pharmacy for LS Central is a separate app extending LS Central.

Credit Order to a different stock location

Functionality has been added to do an automatic inventory transfer to another location, when a POS transaction containing a Prescription Credit Order is posted in the Statement posting process. The user selects the Item type(s) and Refund Reason Codes.

Staff Management for LS Central

Roster creation added to license check in SaaS

When the roster is created, the SaaS subscription license is now checked.

Time batch registration

The employee name is now displayed in the Time Batch journal.

Supporting Functionality

Kitchen Display System for LS Central

Selection of multiple display stations, the Next Station field moved

In KDS, it is now possible to have more than one Next Station for a Display Station. The **Next Station ID** field has been moved to the **Section Display Stat, Mappings** list instead of on the Display Station itself.

Fixed Issues

LS Central

LS Central

Periodic discount & infocodes, mismatch between Trans. Discount Entry and Trans. Sales Entry

Code change was implemented to make sure that when the infocode affects the line VAT, the associated discount lines are also affected.

Replication of blob to SaaS

Encoding has been fixed when replicating BLOB to SaaS.

POS

The following fixes have been implemented in the POS:

Auto-Logoff in Tender Declaration with Safe Management

Now Auto-Logoff does not close the POS while in Tender Declaration state.

Error occurs when a POS menu is deleted

Function is not invoked if the interface has not been initialized.

Logo position

The position of the LS Retail logo in the **Run POS** screen has been corrected and is now in the center of the screen.

POS transaction posting error leaves POS hanging

If an error occurs in an extension (like divide by zero), the POS is no longer left in a hanging state.

Staff lookup, command CH_STAFF does not display the staff list

Staff lookup was showing an empty list when running the CH_STAFF POS command. This has been fixed.

Replenishment

Replen. Item Quantities Calculation issue in Add Items to Replenishm. Jrnl. Report

When the **Calculate Inventory** option is selected and the **Vendor No.** filter is defined in the **Add Items to Replenishm. Jrnl.** report via the Purchase Replenishment Journal, Transfer Replenishment Journal, or Redistribution Replenishment Journal, the system applied the filter strictly based on Item level setup, thus causing the **Replen. Item Quantities** not being calculated for items with different Vendor No. setup on their Item Store Records. This has now been fixed.

Restaurants

Issue with Loading Cards and Confirm Order command

Do not use POS command CONFIRMORDER for Loading Cards.

Shopify

Shopify fixes:

- Order of options (attributes)
- Support Blob data in Metadata.
- Fixed images being sent multiple times.

Hotfixes

See the [LS Central Help](#) for information about hotfixes that have been released since the previous release.

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LS Central 22.1 Release Notes

About This Release

Released - June 8, 2023

This version is built on Microsoft Dynamics 365 Business Central 2023, release wave 1, cumulative update 1, 22.1.55890.56216.

"Important Notices! " on page 33

"New or Enhanced Features" on page 35

"Fixed Issues" on page 36

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Click [here](#) for a printable version of this notification.

New or Enhanced Features

LS Central POS

Font improvements in payment lines

An option to extend fonts and skins for journal lines has been added.

Obsolete tags added to the EFT Utility interface

EFT interface: All functions have been given obsolete warnings as the interface will be changed in a future release. This is to warn LS Retail partners, who are implementing this interface, of the impending changes to the interface.

LS Central Modules Bookings for LS Central

Pricing setup in Group reservations

Parameters sent to the pricing/discount logic regarding Quantity and No. of persons are now sent as a multiplication of the **Quantity** field in the group line, so discounts and price are correctly picked up according to the total number of persons and total quantity in the group line. Previously, the values were sent as one reservation only, rather than the total number of Quantity being assigned in the group reservation.

Hotels for LS Central

Hotels for LS Central is a separate app extending LS Central.

NoPromotedActionProperties added to appjson for BEC

Now Promoted Actions is used in all pages, no visual changes on pages.

Pharmacy for LS Central

Pharmacy for LS Central is a separate app extending LS Central.

Interactions on Menu in AL

Pages for internal interaction checks have been added, and a counter for interactions was added to a FactBox.

Staff Management for LS Central

Changes to Staff Roster page

The **Staff Roster** page action pane has been rearranged. The **New** action has been moved into the **Manage** group, and the **Status** group has been placed before **Reports** and **Analysis**.

Supporting Functionality

Hardware Station for LS Central

New fields for LS Pay added to Hardware Station mapping

LS Pay has been updated to version 2.32.0.1 in Hardware Station for LS Central.

Fixed Issues

LS Central

LS Central

Customer Order refunds and refund workflow

Setup for the Customer Order Refund Workflow has been changed from exporting/importing setup from Demo Data to use Workflow Templates instead. See the [LS Central Help](#) for information on how to set up a Customer Order Refund workflow.

POS

POS menu lines: using Down and Up buttons does not move the button image

An issue causing the button image to be swapped when moving lines has been fixed.

Replenishment

Recalculate Cross Docking not working in planned Cross Docking

An error that occurred when the **Recalculate Cross Docking** action is clicked in the **Allocation Plan Cross Docking** page has now been fixed.

Restaurants

KDS Coursing not printing Announcement slips when Display Station Type is set to KDS Printer (version 20.xx)

KDS now picks up changes in print buffer coming from BC, if only the print buffer has changed.

LS Central Modules

Bookings for LS Central

Handling No. of persons/Quantity in Group reservations regarding pricing setup

Parameters sent to the pricing/discount logic regarding Quantity and No. of persons are now sent as a multiply of the **Quantity** field in the group line, so discounts and price is correctly picked up according to the total number of persons and the total quantity in the group line. Previously, the values were sent as 1 reservation only, rather than the total number of Quantity being assigned in the group reservation.

Important notice: Note that the pricing logic is changed. Previously, the Activity pricing and discount settings would need to match the No. of Persons or Quantity to be activated. Now, the No. of persons or Quantity can either match or be less than the related values in the activity to be activated.

This means that more valid prices might be set on the activity product, and if so, the **last** price setting in the matching criteria will be returned as the active price. This is **only** valid, if your price logic is based on either Quantity or the No. of persons. So partners and end users should validate their settings on any activity products that are based on the above criteria, and note that the sequence order of the pricing settings is crucial in the resulting price.

Pharmacy for LS Central

Barcode not cleared

If a wrong pack is scanned or a barcode is not found, the barcode is now deleted after the warning message.

Enhancements in the Pharmacy Item page

Now the **Quantity Text** in the **Pharmacy Item** page is updated when the **Quantity** fields are changed.

Error with existing Delegate entry when splitting an order

A fix to avoid repeated delegate entry error has been completed.

Improved process of crediting a prescription order

Making changes in a credit order's original prescription order number is no longer allowed, if there are lines present.

Pharmacy Prescription panel

An issue with the ModelDirty variable and the OnBeforeFieldChanged event has been fixed by doing a new "updatebuttons" before exit.

Hotfixes

See the [LS Central Help](#) for information about hotfixes that have been released since the previous release.

LS Central 22.0 Release Notes

About This Release

Released - May 25, 2023

This version is built on Microsoft Dynamics 365 Business Central 2023, release wave 1, cumulative update 1, 22.1.55890.56216.

"Important Notices! " on page 39

"New or Enhanced Features" on page 41

"Fixed Issues" on page 47

"Hotfixes" on page 50

Important Notices!

For information about breaking changes in previous releases, click [here](#).

LS Central Universal Code Compliant

LS Central is now Universal Code compliant. This means that the property **Target** in the app.json files for the LS Central and LS Central System apps has been set to *Cloud*.

Customers who have the granule **Implemented code is not cloud-optimized** in their license can ask for this granule to be removed, once they have upgraded to LS Central 22.0, unless there are other extensions installed that are not Universal Code compliant.

Deprecation of Windows Authentication for Web Services

Windows authentication for web services has been deprecated. The Windows authentication was based on Business Central Windows authentication code. The Business Central Windows authentication code is marked as *OnPrem* and can therefore not be used by Universal Code compliant applications. This does not affect SaaS customers as the only authentication method supported in SaaS is OAuth authentication. On-premises customers must switch from Windows authentication to either Basic authentication (Web Service Access Key) or OAuth authentication for web services before upgrading to version 22.0.

See [How to: Set Up Basic Authentication for Web Services](#) in the LS Central Help for instructions.

Obsolete Code Marked With Tag 20.0 and Below Removed

Our solution gets bigger with every release, but we intend to clean up by removing obsolete code in major releases as soon as the code has been marked obsolete for at least a year.

In release 22.0 we removed constructs like procedures and events, but there are no breaking schema changes yet, like Tables and Table fields.

Recommended action: Check if you are using a feature that has been marked obsolete for more than a year. The warning should state the reason and the alternative that is intended to be used.

OnPrem-only Procedures Are Now Obsolete

All procedures and objects that are marked `#if _IS_SAAS_`, previously marked `[Scope('OnPrem')]`, have become internal, unless otherwise requested.

If your extension is using any of these, they will now get a warning.

Recommended action: If you have an OnPrem extension, check if there are any warnings. Usually, there are alternative procedures available, but partners can also request that a list of these is made public through the same flow as event requests.

Integration Event Triggers Are Now Internal/Local

In rare cases, it has been technically possible to trigger some of our events from an extension.

These cases are usually an oversight, since the internal/local keyword was missing for the IntegrationEvents so they became public, by default.

This has prevented us from adding new arguments to existing events, and therefore unnecessarily forcing new versions for events where a breaking change would not have been needed.

Recommended action: This should not require any work. There is a chance that somewhere an upgrade might fail, if it is calling an event function, for example in POS Transaction Event, which usually has no effect. Instead, the events are intended to be subscribed to, with an EventSubscriber.

Click [here](#) for a printable version of this notification.

New or Enhanced Features

LS Central

LS Central

Customer Order on hold functionality improved

When in picking mode, a Customer Order can now be put on hold. This will prevent other users from picking the same order. Orders are automatically closed when picking starts and released when picking is done or canceled. If *Put on Hold*, then only the terminal that puts the order on hold can continue the picking process.

Github: Variable size and background task error fixed

- Variable size was changed to avoid overflow errors.
- *GuiAllowed* was added to skip a message on background processes.

New field in Retail Sales Order Card

A new field, **Customer Order Ship Order**, has been added to the **Retail Sales Order Card**. The field is populated when a Sales Order is created from a Customer Order.

Response code for MemberLogon web service

The response code for MemberLogon web service has been improved.

Error code values are:

- 0099 /Unidentified Server Error (check Event Viewer on Server)
- 0131 LoginIDOrPasswordIncorrectTxt
- 1101 LoginIDNotFoundTxt
- 1160 LoginIDIsNotAMemberTxt

Terms and Conditions Acceptance for SPG (ScanPayGo)

Two new web services have been created:

- *SPGSetTermsPolicyAcceptance* - to insert records in a new table, "LSC SPG Terms Policy Accep.Log".
- *SPGGetTermsPolicyAcceptance* - to read records from the new table.

A new page, **LSC SPG Terms Policy Accep.Log**, was also created to see the records in BC.

XML port element to table/field mapping

A codeunit was created that holds the XML port field element mapping to table and fields. A script that updates the code was also created.

POS

Retail image changes: follow-up

POS Controls now use `RetailImageLink` with `LinkType::Image` to reference images, instead of `Ismedia:// urls`.

This means that the properties of the controls are now obsolete, so the same data is not being stored in multiple places, as it could easily go out of sync.

- If you were using the fields in AL code to store image URLs on temporary POS control records, you can use `PosSession.SetImage` instead, to assign the first image from a `RecordId` to be displayed on a POS control.
- If you were fetching images for POS Web Templates, you can now use `PosSession.AddWebTemplateImage` to make sure the image is available from javascript, via `LS.GetImageUrl`.

Replenishment

Item Import Journal improvements

The **Retail Product Code** field has been added to the *LSC Item Import File Data* table, to make it possible for you to import the **Retail Product Code** field into the Item Import Journal using the item import file.

Additionally, if the item added to the Item Import Journal is an existing item in the system, the journal will automatically retrieve the Retail Product Code of the item, if it is not already filled out in the journal.

Replenishment Out of Stock functionality improvements

The Out of Stock functionality in Replenishment has been enhanced, and features were added that will improve your experience in visualizing the out of stock data.

Improved Out of Stock data maintenance

You now have the option to only perform Out of Stock calculation for items and locations that are active for Replenishment. You can enable the option by using the **OOS Calc. Scope** setting in the **Replen. Setup** page, and when the *Advanced* option is selected, only items and locations that are set up for Replenishment calculation will be included in the Out of Stock calculation.

So if a store location does not have a valid Item Distribution setup, for instance, it is excluded from the Out of Stock calculation result.

Also, you can now delete the old and outdated out of stock data in the system, either for those that are still open or are already resolved.

Enhanced visualization of the Out of Stock data

The **Replenishment Out of Stock Overview** page has been added to show grouped information of the out of stock situations. You can set up the page to give an overview of the out of stock situations based on various parameters and filters, such as for a specific item category, product group, or location. The overview can be grouped by data that focus on out of stock situations that have started, ended, or were ongoing in a specific period of time.

A series of **Replenishment Out of Stock Overview Charts** has also been introduced. You can use the charts to visualize how the out of stock situations are distributed across the different item groups and locations. Moreover, you can now easily access the **Replenishment Sales Chart** from the **Replen. Out of Stock Days** page, which shows the sales pattern as well as the inventory movement and out of stock status for the selected item, variant, and location over a specified period of time.

For more information see [Replenishment Out of Stock Days](#) in the LS Central Help.

Restaurants

HTML information for deals

An HTML interface has been added to deals.

LS Central Modules

Bookings for LS Central

Activity member comments implemented

The Activity client (member contact) comments have been replaced by the new comment structure.

New setup for activity group booking and assigning group members

A setup has been added on the **Reservation Type** (section **Group Settings**), which is **Group member assignment**. This setting defines how the automatic assignments of the group members is done, when a group reservation is confirmed and group members have not previously been assigned by the user. By default (as before), the assignment starts based on the first group member for each group line. The new setup allows the user to set the logic to also start based on *Next* group member, which basically starts the assignment on the first line based on the first member, and then continues with the next, one per line.

Support for depositing APIs in SOAP

Depositing APIs for payment and refunding deposits has been added to the Activity Soap API. This deposit method does not require Customer Orders and issues the deposits by issuing POS receipts.

Forecourt for LS Central

Forecourt upgrade

Forecourt for LS Central has been upgraded and is released for On-premises in version 22.0. In version 22.1 Forecourt will be available for SaaS.

The Forecourt module is a separate extension that includes functionality for the POS to communicate to pumps through the Hardware Station and sell fuel items. This is the functionality that was previously in the Forecourt Manager for the Windows POS. The connection to Forecourt controller that was previously implemented in a DLL is now through the Hardware Station where a special implementation is needed for each type of Forecourt controller.

Hotels for LS Central

Hotels for LS Central is a separate app extending LS Central.

Folio management

Now Invoice management supports folio distribution to organize payers for reservation charges. Invoice type and payer are defined in the **Reservation Folio**, and Revenue Entries are assigned to Folios.

Member enhancements in Hotels to improve alignment with LS Central

CreateDefaultHotelGuest was removed from hotel initialization, and member related tables (Member Management Setup, Member Club, and Member Scheme) were removed from the configuration package HTL-Process... Two number series were removed, H-M-C and MEMHOT.

New fields, Store No. and Terminal No., added to DRE for charges transactions

Two new fields have been added to **Detailed Revenue Entry** table and related pages, **Room Charge Store No.** and **Room Charge POS Terminal No.** This populates the **Store No.** and **Terminal No.** where the charge is coming from.

Progress chart added to Front Desk and Housekeeping Role Centers

A Progress Chart has been added to the Front Desk Role Center and the Housekeeping Role Center to graphically show the progress of arrivals and departures for the workday.

Work Date instead of Today

Work date is now used instead of **Today** in Hotels, so the PMS will function normally when the work date is changed.

Pharmacy for LS Central

Pharmacy for LS Central is a separate app extending LS Central.

FMD process temporarily disabled

The field **Medicine Verification Active** in the **Pharmacy Setup** page has been temporarily disabled in AL.

Insurance document checked when a production is deleted

The system now checks if an Insurance Invoice for a Dispense Production has been submitted when the production is deleted. If that is the case, the user is alerted.

Line Discount functionality in AL

The Line Discount functionality has been updated in AL.

Pharmacy Item Card and List updated with new Sales and Purchase Price experience

A new Sales and Purchase Price experience has been enabled for the **Pharmacy Item Card** and **List**.

Substitution item in a dispense order with a different strength unit

It is now possible to use a substitution item in a dispense order. When this is reported to the gateway, a conversion is made to the issued item, so the prescription always shows the correct remaining quantity.

Supporting Functionality Hardware Station for LS Central

Printing test strings

An option to print any string has been added on the **POS Printer Card** in **Business Central** and in the **Hardware Station Management Portal**.

Kitchen Display System for LS Central

KDS OAUTH: Request created for the web service

The Kitchen Service can now use OAuth authentication to connect to the Business Central SaaS. The KDS now uses REST to connect to the Hardware Station. And KDS uses not REST Client to access the OData web service protocols.

Backwards compatibility with older SOAP services is available down to v.17.0.

New fields added to CHITs in KDS

The following fields have been added to the fields that can be displayed on the chit in the kitchen:

- PhoneNo
- OrderID
- TableNo
- CustomerName

Other

POS Commands

The following POS commands are **obsoleted** in LS Central 22.0:

Command	Command
FAB-CONTINFO-INPUT	TD_BAGNO
FAB-OPENPOS	TD_BANK
ITEMPIC	TD_CLEAR
LINEMSG	TD_COUNTED
MEMBERCARDREAD	TD_DECLARE
MODMENU	TD_FLOAT
MSGPOSACT	TD_POST
OPERATOR	TD_PRINT
POPUPSERIAL	TD_SAFE
PUTBACK	TEST_WEBSERVICE
QTYREASON	TR-RSERVATIONFUNC
REJECT	TR-RSET_PANEL
RESMATRIX	UPDATE
ROUND_TGL	VIEW_CUST_OPEN_INV
SELLMATRIX2	ZERO_CHK
STATE	ZOOM_TABLE
TAKEOUT-FAB-FILTER	

See [POS Commands](#) in the LS Central Help and the corresponding [Excel list](#) with filters for a complete list of POS commands.

Fixed Issues

LS Central

LS Central

Commerce Scheduler Job Error

COMMERCE Scheduler job error was fixed.

Customer No. does not appear in Customer Order

- Customer number and name not appearing in a Customer Order when collecting on a POS has been fixed.
- Changes done to **Navigate** in Posted Statements to show more related records.
- A new setup field, **Create CLE for Web Customer** has been added to the **Store** card. The field specifies whether to create Customer Ledger Entries for transactions that relate to the **Web Store Customer No.** on the **Store** card.

Discount offers and price groups

A new field, **Disc. Type**, was added to the **Discount Offer Lines** page.

Incorrect Sales Quantity calculation

Sales Quantity is now calculated based on **Invoiced Quantity**.

Issue in eCommerce Shopify in LS Central - Members Code field length

Processing length for data has been fixed.

LSC License Certification Company Filter

LSC License, a company filter has been added when searching for a valid certificate.

Members and infocode

Code added to check for an infocode when a retail customer is linked to a member.

Member Sales Buffer Number of Items

A new field, **Quantity**, was added to hold **Number of Items** in decimal format.

Member Sales Buffer Sort Order

Member Sales Buffer Sort Order has been fixed.

Processing multiple deletes with distribution

The system no longer checks the variable *ProcOnlyDelete* to decide if the repeat-until loop should continue or not when replicating distribution groups.

Retail Picking cannot be posted

If the **Default Qty. to Receive** field in the **Purchases & Payables Setup** is *Blank*, the **Return Qty. to Ship** in the Purchase Return Order (create) will be the same as the **Quantity**.

Scheduler jobs with exclude list ignore Active for Replication

The Scheduler job distribution exclude list has been fixed.

Support for duration fields in web services used in replication

Support for data type *duration* has been added.

Web Replication stopped working - Wholesale to Retail

A fix was released to refresh the used token for long requests.

WS Request Log table

Record locking is now avoided on the WS Request Log table. Two or more web services can now add to the log simultaneously.

POS**Deleting a Menu Line does not hide the line in the POS**

An issue has been fixed that caused the removal of a button from the Menu Properties to not update the POS UI.

Error when clicking #HEADER, #INFO-1, or #INFO-2 during selection of Discount Infocode

An issue that allowed the user to select more than one option in a single selection pop-up or lookup control has been fixed.

MEMBERLARGE POS Web Template Issue on Purchase History

An issue was fixed that caused the purchase history details to not be displayed when expanding from the arrow.

POS browser returns to English when another language is selected

When refreshing the POS (browser), the DateTime format should remain in the chosen language. This has been fixed.

Replenishment**Incorrect date of first sales retrieved for items**

When creating Sales History Adjustment entries using the Replen. Sales History Adjustment Calculation Rules, an issue has been fixed where the wrong date of first sales was retrieved for the item when the first Item Ledger Entry of the item has an Entry Type of *Transfer*.

Replen. Item Quantities calculation issue in Add Items to Replenishm. Jrnl. Report

When the **Calculate Inventory** option is selected, and the **Vendor No.** filter is defined in the **Add Items to Replenishm. Jrnl.** report via Purchase Replenishment Journal, Transfer Replenishment Journal, or Redistribution Replenishment Journal, the system was applying the filter strictly based on Item level setup, thus causing the **Replen. Item Quantities** not being calculated for items with a different Vendor No. setup on their Item Store Records. This has now been fixed.

Restaurants

Seated status image missing for table in P0011

Seated status image is now shown after seating the table.

LS Central Modules

Bookings for LS Central

Time zone setting of the BC user affecting reserved time for resources

Previous versions of the Booking module could only have users making appointments within their time zone. Also, the web service API for bookings could only make correct bookings within the time zone setting of the service tier. This has been changed so the module can now support users and web services to book at activity locations in different time zones.

Hotels for LS Central

Discount not applied in Upgrade Reservation page

There was a bug in getting discounts when the reservation rate code was changed. Now, when the rate code is changed, the system checks if the old discount is still applicable, or if new discounts are available. In case there are multiple discounts available, the user should manually select the discount to apply.

Deposit Policy page for groups unviewable

Captions in the **Deposit Payment** page were updated according to what is used in the **Invoice Management** FactBox, and the **Deposit Paid Amount** field was added to the page to show the sum of deposits paid until then.

Filters in the **Deposit Due** page were fixed for reservations belonging to a Group Reservation. The filtering was on **Group Res No.** instead of **Reservation No.**

Pharmacy for LS Central

Agent header in FMD requests

User agent header was added to FMD request.

Dispense line GetLineQuantity not working if Dispense group is for Month

The **Dispense Order Lines** FactBox now shows Line Quantity based on Delivery location dispense period and dispense group settings.

H-Prescription: price should not be on the receipt or line display

The amount and the insurance payment values are now set as 0, when taking an H-Prescription to POS.

Purpose text on prescriptions too short

The field size has been changed.

Hotfixes

See the [LS Central Help](#) for information about hotfixes that have been released since the previous release.