Restaurant Enterprise Solution (RES) Version 4.8 Maintenance Release 7

About This Document

This document provides installation instructions for the MICROS Restaurant Enterprise Solution (RES) Maintenance Release 7 for Version 4.8. The process ensures the proper transfer and configuration of the files, programs, and database required for the smooth operation of the applications.

Listed in this document are the revisions that have been implemented within this Maintenance Release.

Declarations

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Maintenance Release Installation

Installing a Maintenance Release

This Maintenance Release can only be installed on a system that has the released version of RES 4.8 (build 4.8.3.2655) or RES v4.8 Maintenance Release 1, 2, 3, 4, 5 or 6 installed.

Before You Begin

1. Close ALL running MICROS applications, except Control Panel.

2. In the MICROS Control Panel, set the Restaurant to OFF.

3. Make sure all of the POS Clients are at System Closed.

4. Close the MICROS Control Panel

Installation

1. Copy the Maintenance Release, RES_48_MR7.exe to the temp folder on your RES Server.

2. Double-click on RES_48_MR7.exe. The patch will run for a short time. Once the patch is complete, the RES server will automatically reboot.

Installation Notes

Installing the Maintenance Release on a RES server will stop all of the running MICROS services before installing the updated files. The RES server will reboot upon completion. The Maintenance Release may include updated files for the POS Clients. Once the server has rebooted, all of the clients will install the updated files. Once finished, the clients will then reboot.

Before installing updated files on your system, the Maintenance Release preserves the original files by appending .PrePatchRestore to the existing filename. **It is absolutely critical that these renamed files be left in place**, exactly as they are. The removal or modification of these archived .PrePatchRestore files will render your RES server un-patchable by future RES releases.

The same Maintenance Release may be installed more than once. This should not be needed, except in the rare case where an installation has failed. Multiple Maintenance Releases may be installed as needed.

Installing the Maintenance Release produces a log file named MicrosNovaPatch.log, which will be located in the *%windir%* folder.

Installing a Maintenance Release will create a unique registry key:

HKEY_LOCAL_MACHINE\SOFTWARE\MICROS\NovaFix\RES_48_MR7

Within this key, a value name 'Installed Date' is created. The data for this value will be the date the Maintenance Release was installed.

All maintenance releases will add a row to the database in db_version_cfg to indicate that a Maintenance Release patch has been executed against the DB. The 'db_module_desc' will be 'RES 4.8 Maintenance Release 7'. The 'db_service_pak_desc' column will be the same as the RES row.

********************* Reminder ***********************
It is recommended that custom applications be re-installed and tested after applying any upgrade to a RES system. This includes, SQL scripts that add or alter custom stored procedures.
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********************* Reminder ***********************
Using Database Manager to upgrade a database with the same major version as the server will return the message *"Database is current, no update needed."* The database and the server are the same major version because Maintenance Releases do not change from the General Release version.
After restoring a database with a lower Maintenance Release than the server, the user must re-run the higher Maintenance Release patch, which will successfully update the database.

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Maintenance Release 7

What's Revised?

A revision is defined as a correction made to any existing form, feature, or function currently resident in the RES Version 4.8 software. To qualify as a revision, the change must satisfy the following criteria:

- The basic form, feature, or functionality must be part of the previous version of the software.

- The change must replace the current item or remove it from the application.

Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release

Module	Revision	CR ID/ SCR	Page
POS Operations	Cannot Swipe Certain Types of Gift Cards	32478/ 39485	5

Revisions Detailed

POS Operations

Cannot Swipe Certain Types of Gift Cards
CR ID #: 32478
SCR #: 39485

Previously, when swiping certain Gift Cards, POS Operations would not recognize them. The user would have to manually key in the Gift Card number. This has been corrected.

Maintenance Release 6

What's Revised?

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Revisions Summarized

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Module	Revision	CR ID/ SCR	Page
POS Operations	Changes Made When Prompting for User Input	29292/ 39341	6

Revisions Detailed

POS Operations

Changes Made When Prompting for User Input
CR ID #: 29292
SCR #: 39341

Previously, under certain scenarios when POS Operations was prompting for user input and a credit card was swiped, the credit card number could be displayed. This has been corrected.

Maintenance Release 5

What's New?

A new feature is defined as one that provides capabilities that were not available in previous versions of the application.

New Features Summarized

The table below summarizes the new features included in this version.

Module	Feature	CR ID/ SCR	Page
POS Configurator	Support Added for Protégé	N/A/ 38370	8
OPS API	Support Added For Allowed Condiments From API	N/A/ 38344	8

New Features Detailed

POS Configurator

Support Added for Protégé
CR ID #: N/A
SCR #: 38370

With this release, support for the soon to be released Protégé has been added. The Protégé provides a color display, and electronic payment capabilities in a single compact device.The Protégé functions as an extension of the workstation in order to make ringing transactions more efficient. During a transaction, the operator will ring items into their workstation. The Protégé will display items as they are rung, and will prompt the customer when their input is required.

Note   *Only one of the following peripherals can be assigned to a workstation:*
1.Verifone MX870
2. Protégé
3. PINpad
4. ViVOpay

OPS API

Support Added For Allowed Condiments From API
CR ID #: N/A
SCR #: 38344

With this release, support has been added for allowed condiments to be entered from the API correctly. Previously, the API treated all condiments as required condiments. This caused print groups to incorrectly print. Now the API correctly sorts condiments on remote order device chits.

What's Enhanced?

An enhancement is defined as a change made to improve or extend the functionality of the current 3700 POS application. To qualify as an enhancement, the change must satisfy the following criteria:

- The basic feature or functionality already exists in the previous release of the software.

- The change adds to or extends the current process. This differs from a revision (i.e., a bug fix) which corrects a problem not caught in the previous release of the software.

Enhancements Summarized

The table below summarizes the enhancements included in this version.

Module	Enhancement	CR ID/ SCR	Page
RES DBS	Cardholder Name Unmasked	N/A/ 38330	10
POS Configurator	Remote Order Device Printing To Include Print Group Sections, Print Group Sub-Sections and Support For POSAPI Printing	N/A/ 38375	11

Enhancements Detailed

RES DBS

Cardholder Name Unmasked
CR ID #: N/A
SCR #: 38330

With this release, it is now possible to print cardholder name on credit card vouchers. Previously, tenders that required credit card authorizations required the option bit 'Mask Cardholder Name' to be enabled for POS Operations to start. This has been amended.

Note	*The Transaction Vault driver will still enforce masked cardholder name.*

Configuration

Disable the following option bits to print cardholder name on credit card vouchers:

Navigate to the *POS Configurator | Sales | Tender/Media | CC Tender*

◆ Mask Cardholder Name

Navigate to the *POS Configurator | Revenue Center | RVC Credit Cards | Printing*

◆ Do not print customer name on voucher

POS Configurator

Remote Order Device Printing To Include Print Group Sections, Print Group Sub-Sections and Support For POSAPI Printing
CR ID #: N/A
SCR #: 38375

With this release, it is now possible to easily configure remote order device printing to include print group sections, print group sub-sections and support for POSAPI Printing.

Configuration

1. Print Group Sections

Navigate to the *POS Configurator | Sales | Print Groups*

- Show print group section

Enable this option to have the Print Group name print on Remote Order chits.

The Section label prints just one time above the first menu item of that print group exactly as listed in the print group name fields.

2. Print Group Sub Sections

Navigate to the POS Configurator | Sales | Print Groups

- Show print group sub section

Enable this option to have the Print Group name print on Remote Order chits.

The Sub Section label prints above each menu item with a number incrementing by 1 for each menu item in that print group. The incrementing number does not go up by more than one when items are ordered in quantity.

> *Note*   *This option is not supported to work with combo meals.*

3. Printing at POS only

Navigate to the *POS Configurator | Devices | User Workstation | Options | General*

◆   Order device printing at POS only

This option applies only to POSAPI and POSAPI Web Service clients, because they do not support SIM code directly.

Enable this option bit to cause Remote Order Device printing to be re-routed from a POSAPI client to a workstation that supports SIM/ISL files.

This option affects Remote Order Device printing only and has no effect on check printing.

4. Print Group Labels

Navigate to the *POS Configurator | Devices | Order Devices | Options | Sorting/Formatting*

◆   Show print group labels

Enable this option to have print group labels show on specific remote order printers.

The print group labels and options must also be configured in:

POS Configurator | Sales | Print Group

For more information on these features, please refer to RES 4.8
Maintenance Release 4 Readme First.

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◆ The change must replace the current item or remove it from the application.

Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
POS Operations	Returns Do Not Decrement Guest Count	29732/ 38118	16
	Changing Quantity of Menu Item Without a Build Screen Causes Return to RVC's Default Screen	29610/ 37988	16
	Cover Entry Prompted Twice	29946/ 38326	16
	Loss of Calibration in Check Detail if 'Display prefix on condiment's line' is Not Enabled	29917/ 38315	16
	Service Totaling Can Bypass Required Condiments	29927/ 38320	17
	Delayed Orders Prevent Remote Order Printing if Client is Unavailable	N/A/ 38377	17
POS Configurator	Ordering Module Fails to Apply Automatic Discount When Using Quantity Keys	29884/ 38285	17

Module	Revision	CR ID/ SCR	Page
Desktop	Logging Off the MICROS Desktop Will Not Respond if Human Resource Forms are Minimized	28988/ 37462	18
	Red Dot Causes User To Be Stranded On Secure Prompt	29907/ 38301	18
Menu Boards	Menu Boards May White Screen and Not Reconnect	29858/ 38263	19
CAL	BY DESIGN, McrsCAL will Not Install Package if NAME in Setup.dat Does Not Match Folder	N/A/ 37875	19
Reports	Void Reason Report Does Not Include Combo Meals Voided with Numeric Entry	29778/ 38164	19
Peripherals	Biometric Fingerprint Reader Could Cause Error on WS4	29792/ 38177	20
Printing	Item Discount Fails to Print to Journal When Done in a Separate Round	29900/ 38293	20
ISL	SIM May Cause Condiments to Void Once Service Totaled	30045/ 38382	20

Revisions Detailed

POS Operations

Returns Do Not Decrement Guest Count
CR ID #: 29732
SCR #: 38118

Previously, when using the return key on a menu item that increments guest count, the guest count would not decrement. This has been corrected.

Changing Quantity of Menu Item Without a Build Screen Causes Return to RVC's Default Screen
CR ID #: 29610
SCR #: 37988

Previously, when using the quantity key in a COM database, operations would return to the RVC's default screen if the menu item did not have a build screen assigned to it. This has been corrected.

Cover Entry Prompted Twice
CR ID #: 29946
SCR #: 38326

Previously, when enabling the employee class options, '*Cover entry required*' and '*Check ID entry required*' operations would prompt for cover entry twice. This has been corrected.

Loss of Calibration in Check Detail if 'Display prefix on condiment's line' is Not Enabled
CR ID #: 29917
SCR #: 38315

Previously, in COM if the revenue center option '*Display prefix on condiment's line*' was not enabled, the check detail could lose calibration after entering condiments to a menu item. This has been corrected.

Service Totaling Can Bypass Required Condiments

CR ID #: 29927
SCR #: 38320

Previously, it was possible to service total a check without fulfilling a menu items required condiments. This has been corrected.

Delayed Orders Prevent Remote Order Printing if Client is Unavailable

CR ID #: N/A
SCR #: 38377

Previously, delayed orders would not fire to remote printers at the designated time if the client ordered from was unavailable. This has been corrected.

POS Configurator

Ordering Module Fails to Apply Automatic Discount When Using Quantity Keys

CR ID #: 29884
SCR #: 38285

Previously, when using the quantity keys within the ordering module, the automatic discount would fail to apply. This has been corrected.

Desktop

Logging Off the MICROS Desktop Will Not Respond if Human Resource Forms are Minimized
CR ID #: 28988
SCR #: 37462

Previously, it was possible for the MICROS Desktop to not respond and force closure. This could occur when the user logged off the MICROS Desktop while a human resource form was minimized. This has been corrected.

Red Dot Causes User To Be Stranded On Secure Prompt
CR ID #: 29907
SCR #: 38301

It is possible for the user to receive a red dot within the secure prompt for MICROS Desktop. The red dot indicates that a connection to the database could not be established. A green dot indicates a connection has been made to the database. The red dot can appear when a hard shutdown of the server with Secure Desktop enabled has occurred. This could result in the MICROS Desktop security prompt loading prior to a connection to the database.

Previously if a user received a red dot, the user could be stranded on the secure prompt.

With this release, if the user finds themselves presented with a red dot, the user can select the enter key and the MICROS Desktop will try to reconnect to the database.

Menu Board

Menu Boards May White Screen and Not Reconnect
CR ID #: 29858
SCR #: 38263

Previously, menu boards could white screen and not reconnect if the application received an IIS status code of 201, caused by networking issues. With this release, menu boards will reconnect after thirty seconds if such network issues occur.

CAL

BY DESIGN, McrsCAL will Not Install Package if NAME in Setup.dat Does Not Match Folder
CR ID #: N/A
SCR #: 37875

In RES 4.8 and later, if a CAL package's setup.dat does not have a PRODUCT value then McrsCAL compares the NAME string from the setup.dat with the package folder name. If these strings don't match, McrsCAL won't install the package. The work around for this is to make the folder name match the NAME in setup.dat.

Reports

Void Reason Report Does Not Include Combo Meals Voided with Numeric Entry
CR ID #: 29778
SCR #: 38164

Previously, when voiding a combo meal with the numeric key pad greater than one, the void reason report would only show one combo as a void. This has been corrected.

Peripherals

Biometric Fingerprint Reader Could Cause Error on WS4
CR ID #: 29792
SCR #: 38177

Previously, on WS4 clients CAL would exclude the DigitalPersona folder causing the error '*Unidentified USB Device'* to occur. This happened due to the name value of the setup.dat not matching the name of the folder that CAL is trying to pass. This has been corrected.

Printing

Item Discount Fails to Print to Journal When Done in a Separate Round
CR ID #: 29900
SCR #: 38293

Previously, when applying a discount to an item rung in a previous round, the discount would not print to the journal. This has been corrected.

ISL

SIM May Cause Condiments to Void Once Service Totaled
CR ID #: 30045
SCR #: 38382

Previously, when using SIM to add menu items to check detail, and then adding condiments, service totaling could cause the condiments to be voided. This has been corrected.

Maintenance Release 4

What's New

A new feature is defined as one that provides capabilities that were not available in previous versions of the application.

New Features Summarized

The table below summarizes the new features included in this version.

Module	Feature	CR ID/ SCR	Page
ISL	Barcode SIM Event	N/A/ 37676	21
	SIM Support Added for Future Orders	N/A/ 37615	22
POS Operations	Increase Size of '@FiscalKey'	N/A/ 38162	23
	Remote Order Device Printing To Include Print Group Sections, Print Group Sub-Sections and Support For API POS Printing	N/A/ 38223	23

New Features Detailed

ISL

Barcode SIM Event
CR ID #: N/A
SCR #: 37676

With this release a new BARCODE event can be added to an ISL script to intercept a barcode scan.The event should review the @UserEntry data to determine if the barcode is one of the items that it should be handling. If it chooses to handle the barcode, it should set the new @BarCodeProcessed value to 1 so that native processing of the barcode does not proceed.

A new @BarCodeProcessed value will allow the ISL script to determine if a previous script has handled the barcode or to set the value if it was able to be processed. These changes will allow a site to use an ISL script to intercept barcode scans and initiate specific processing such as adding a menu item or discount to a check. The example code below will intercept the scan of a retail item and ring a Soda to the check instead.

```
EXAMPLE:
Event barcode
//If a previous script has processed this,
//then don't bother doing any more processing
If @BARCODEPROCESSED = "N"
//If this is the barcode of a Mtn Dew
If ( @UserEntry = "01208500" )
//Load the keyboard macro to Ring in a Coke
//NOTE: The object number of a Soda in the sample DB is 708107
LoadKybdMacro key(3, 708107)
@BARCODEPROCESSED = "Y"
EndIf
EndIf
EndEvent
```

SIM Support Added for Future Orders
CR ID #: N/A
SCR #: 37615

With this release, support has been added to allow future orders and custom printing through SIM. CAutofire class has been altered to accommodate ISL scripts to process check related information during header and trailer printing events.

POS Operations

Increase Size of '@FiscalKey'
CR ID #: N/A
SCR #: 38162

With this release the size of the SIM variable '@FiscalKey' has been increased from 64 to 256 characters. This is in support of Fiscal Printing.

Remote Order Device Printing To Include Print Group Sections, Print Group Sub-Sections and Support For API POS Printing
CR ID #: N/A
SCR #: 38223

With this release remote order device printing will now support Print Group Sections, and Print Group Sub-Sections.

Print Group Sections will print prior to the start of a new set of menu items in the configured print group.

Sub-Sections will print prior to each item in the configured print group, starting at one.

The following table has been added to the database:

Print_grp_def.

A column, 'ob_rod_print_requires_POS' has also been added to the 'UWS_def' table. When editing this column to 'T' for the API workstation, it will cause that workstation to always print the remote order device output to a POS client.

Three new ISL events have been added to support this:

◆ Event print_detail_header

◆ Event print_detail

◆ Event print_detail_trailer

Using the print_detail event and adding at least 1 line will stop the native detail area output from displaying. Some developers will want to keep the native output, so they would only utilize the print_detail_header and/ or print_detail_trailer events.

To support these printing events, we have added ISL variables:

@Print_Link - The print type that is the target of the print job

NOTE: Only the Order Device Output are currently valid.

@Print_Width - The width of the current print job

@Print_Lines - The number of ISL lines currently set to print

@Print_Text - The actual data to print. This is index [1..N] where N is @Print_Lines

---

Note   *Setting the value of @Print_Text[N+1] will effectively add a new line of text.*

@Dtl_Print_Grp[1..N] where N is @NUMDTLT

Note   *This is intended to allow the condiments to be sorted by their Print Group.*

Example ISL Code using the new functionality (except the @Dtl_Print_Grp)

Var PL_CUST_RCPT : N2 = 1

Var PL_LCL_ORDR : N2 = 2

Var PL_JOURNAL : N2 = 3

Var PL_REPORT : N2 = 4

Var PL_GST_CHK : N2 = 5

Var PL_FCR : N2 = 6

Var PL_RMT_ORDR_1 : N2 = 9

Var PL_RMT_ORDR_32: N2 = 40

Event print_detail_header

Var line : a40

Var offset : N4

//Use the @Print_Link to control the formatting for the various print devices

If (@Print_Link >= PL_RMT_ORDR_1 and @Print_Link <= PL_RMT_ORDR_32)

//Use the @Print_Lines value to avoid writing over the contents of a previous script

offset = @Print_Lines

//NOTE: You add a new print line by setting the contents of the next available line.

if (@Print_Width = 32)

format line as @DWON, "Customer DtlHdr", @DWOFF

@Print_Text[offset+1] = line

else

format line as @DWON, " Customer DtlHdr ", @DWOFF

@Print_Text[offset+1] = line

endif

EndIf

EndEvent

Event print_detail

Var line : a40

Var offset : N4

Var sandwich_count : N4 = 0

Var i : N4

//Use the @Print_Link to control the formatting for the various print devices

If (@Print_Link >= PL_RMT_ORDR_1 and @Print_Link <= PL_RMT_ORDR_32)

//Use the @Print_Lines value to avoid writing over the contents of a previous script

offset = @Print_Lines

//NOTE: You add a new print line by setting the contents of the next available line.

if (@Print_Width = 32)

format line as @REDON, @DWON, "Customer Items", @DWOFF, @REDOFF

@Print_Text[@Print_Lines+1] = line

For i = 1 to @NUMDTLT

If @DTL_TYPE[i] = "M"

If NOT bit(@DTL_TYPEDEF[i], 38) //MI_ITM_IS_BVG

sandwich_count = sandwich_count + 1

format line as @REDON, @DWON, "Sandwich #", sandwich_count, @DWOFF, @REDOFF

@Print_Text[@Print_Lines+1] = line

format line as @DWON, @DTL_NAME[i], @DWOFF

@Print_Text[@Print_Lines+1] = line

EndIf

EndIf

EndFor

else

@Print_Text[offset+1] = "12345678901234567890123456789012345678901234567890"

format line as @REDON,
"12345678901234567890123456789012345678 90", @REDOFF

@Print_Text[offset+2] = line

endif

EndIf

EndEvent

Event print_detail_trailer

Var line : a40

Var offset : N4

Var i : N4

//Use the @Print_Link to control the formatting for the various print devices

If (@Print_Link >= PL_RMT_ORDR_1 and @Print_Link <= PL_RMT_ORDR_32)

//Use the @Print_Lines value to avoid writing over the contents of a previous script

offset = @Print_Lines

//NOTE: You add a new print line by setting the contents of the next available line.

if (@Print_Width = 32)

format line as @REDON, @DWON, "Customer Drinks", @DWOFF, @REDOFF

@Print_Text[@Print_Lines+1] = line

For i = 1 to @NUMDTLT

If @DTL_TYPE[i] = "M"

If bit(@DTL_TYPEDEF[i], 38) //MI_ITM_IS_BVG

format line as @DWON, @DTL_NAME[i], @DWOFF

@Print_Text[@Print_Lines+1] = line

EndIf

```
EndIf

EndFor

else

format line as @REDON, @DWON, " Customer DtlTrl ", @DWOFF,
@REDOFF

@Print_Text[offset+1] = line

endif

EndIf
EndEvent
```

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Revisions Summarized

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Module	Revision	CR ID/ SCR	Page
POS Operations	Automatic Discounts Applying Incorrect Amount	29688/ 38069	31
	'Error Connecting to Autosequence PC' When Running Autosequence Through Operations	29056/ 37950	31
	Manually Enabled Automatic Discounts Incorrectly Applying	29388/ 37791	31
	Quantity Threshold and Multi-Item Price Threshold Discounts Incorrect with Award Quantity Greater Than One	N/A/ 38209	31
	'Unhandled Exception' When Using Filter Seat Function	29708/ 38253	32

Module	Revision	CR ID/ SCR	Page
KDS	Enabling KDS With Dynamic Order Mode May Cause Gray Screens	29471/ 38002	32
	Previous Round Touch Voids Do Not Appear on KDS	29583/ 37946	32
Database - Setup	RES 4.8 MR 4 Databases Can Now Be Upgraded to RES 5.0	N/A/ 38185	32

**Revisions
Detailed**

POS Operations

Automatic Discounts Applying Incorrect Amount
CR ID #: 29688
SCR #: 38069

Previously, when using quantity keys within a transaction and applying an automatic discount, it could result in an incorrect discount amount. This has been corrected.

'Error Connecting to Autosequence PC' When Running Autosequence Through Operations
CR ID #: 29056
SCR #: 37950

Previously, when running an autosequence that takes longer then eighty-nine seconds to complete through operations, the message 'Error Connecting to Autosequence PC' would appear. This has been corrected.

Manually Enabled Automatic Discounts Incorrectly Applying
CR ID #: 29388
SCR #: 37791

Previously, discounts would not function properly if items were ordered with the quantity of more than one. This has been corrected.

Quantity Threshold and Multi-Item Price Threshold Discounts Incorrect with Award Quantity Greater Than One
CR ID #: N/A
SCR #: 38209

Previously, the Quantity Threshold and Multi-Item Price Threshold discount engine rule types would incorrectly apply a discount when the Award Quantity was set to anything other than one. This has been corrected.

'Unhandled Exception' When Using Filter Seat Function

CR ID #: 29708
SCR #: 38253

Previously, when using the filter seat function and voiding items from previous rounds it could cause an 'Unhandled Exception', in POS Operations. This has been corrected.

KDS

Enabling KDS With Dynamic Order Mode May Cause Gray Screens

CR ID #: 29471
SCR #: 38002

Previously, KDS screens could stop receiving orders and eventually turn gray with certain transactions. This occurred when Dynamic Order Mode (DOM) was enabled with KDS. This has been corrected

Previous Round Touch Voids Do Not Appear on KDS

CR ID #: 29583
SCR #: 37946

Previously, when executing a touch void of a menu item from a previous round, the voided menu item did not appear on the KDS. This has been corrected.

Database Setup

RES 4.8 MR 4 Databases Can Now Be Upgraded to RES 5.0

CR ID #: N/A
SCR #: 38185

Changes have been made to support upgrading a RES 4.8 MR 4 database directly to RES 5.0, with no interverning steps.

Maintenance Release 3

What's New

A new feature is defined as one that provides capabilities that were not available in previous versions of the application.

New Features Summarized

The table below summarizes the new features included in this version.

Module	Feature	CR ID/ SCR	Page
POS Operations	Check Detail Lists All Error Corrects by RVC	N/A/ 37746	34

New Features Detailed

POS Operations

Check Detail Lists All Error Corrects by RVC

CR ID #: N/A
SCR #: 37746

POS Operations will now support the ability to add all error corrects to check detail. This option can be enabled by revenue center.

When this option is enabled Last Item Void details will be written to the Micros.dtl table with a Void_Type of E and a Record_Type of S.

If this option is disabled, Last Item Void details will not be written to the Micros.dtl table.

Configuration

Navigate to the *POS Configurator | Revenue Center | RVC Posting | Options*

◆   Post Last Item Void Detail

Note   *This option is to support Datavantages XBR product.*

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Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
POS Operations	Default SLU for Touchscreens is Not Working with Auto Menu Levels	29383/ 37813	37
	PinPad.dll Reports PIN Capability on the Verifone mx870 Device	N/A/ 37816	37
	Tendering When Using Filter Seat Causes Breakpoint Error	29501/ 37898	37
	Incorrect Cover Count After Changing Order Types	28943/ 37425	38
PINPad.dll	Too Much Card Data Results in ViVOpay Error	N/A/ 37817	38
Backoffice GUI	Cannot Transfer a Cash Pull Over $1000 with Separator	29291/ 37687	38
	CM Not Always Translating Correctly	N/A/ 37871	38

Module	Revision	CR ID/ SCR	Page
Reports	Time Period Report Duplicates Order Type Information	29113/ 37820	39
	Print Engine Does Not Log	N/A/ 37818	39
Delivery Dispatch	Incorrect Time Available for Drivers	29235/ 37821	39
Guest Service Solutions	'Validate Block Numbers' Option Can Prompt That Address is Outside the Delivery Area	29195/ 37822	40
	Customer Search Results Have Changed	29180/ 37823	40
Manager Procedures	Unable To Edit Time Clock	29298/ 37723	40
Setup	Unable To Clock In or Out After Rebuilding the Database With Any 4.8 MR Patch	N/A/ 37904	41

Revisions Detailed

POS Operations

Default SLU for Touchscreens is Not Working with Auto Menu Levels
CR ID #: 29383
SCR #: 37813

Previously, when having the default touchscreen configured to have a default SLU it caused the wrong menu items to show up for Auto Menu Levels. This has been corrected.

PinPad.dll Reports PIN Capability on the Verifone mx870 Device
CR ID #: N/A
SCR #: 37816

Previously, when the Verifone MX870 device was connected to a POS Operations client, the TVCA credit card driver was detecting that the terminal was PIN capable during an authorization request. This has been corrected due to current functionality does not support debit on the Verifone MX870.

Tendering When Using Filter Seat Causes Breakpoint Error
CR ID #: 29501
SCR #: 37898

Previously, when tendering at least one seat in filter seat mode and clearing the functionality to service total, the following error could occur in certain circumstances.

'Unhandled Exception - BREAKPOINT'

This has been corrected.

Incorrect Cover Count After Changing Order Types

CR ID #: 28943
SCR #: 37425

Previously, when selecting the option to 'Post all check totals to current order type', reports would show cover counts incorrectly if the user changed order types. This has been corrected.

PINPad.dll

Too Much Card Data Results in ViVOpay Error

CR ID #: N/A
SCR #: 37817

Previously, when the ViVOpay Drive Thru device returned with a larger buffer than 128 bytes in length, an unpredictable application error occurred. This has been corrected.

Backoffice GUI

Cannot Transfer a Cash Pull Over $1000 with Separator

CR ID #: 29291
SCR #: 37687

Previously, zero decimal databases could not transfer a cash pull over $1,000 to a deposit in Cash Management. This has been corrected.

CM Not Always Translating Correctly

CR ID #: N/A
SCR #: 37871

Previously, if configured to translate to a language other than English, CM would encounter issues translating some text within CM. This has been corrected.

Reports

Time Period Report Duplicates Order Type Information
CR ID #: 29913
SCR #: 37820

Previously, when the option bit was set to post previous rounds to the current order type and the user in operations changed order types, the Consolidate System Time Period Total Report would show sales for both order types. This has been corrected.

Print Engine Does Not Log
CR ID #: N/A
SCR #: 37818

Previously, PrintEngine.exe would not write to the 3700d.log. This has been corrected. Now PrintEngine.exe will write to the 3700d.log at verbosity 1 or higher.

Delivery Dispatch

Incorrect Time Available for Drivers
CR ID #: 29235
SCR #: 37821

Previously, if a driver had made a delivery and then clocked out, they could clock in later and the 'Time-In' would be based upon the driver return time instead of the driver clock in time. This would cause the drivers to be listed in the wrong order in the Delivery Dispatch module. This has been corrected.

Guest Service Solutions

'Validate Block Numbers' Option Can Prompt That Address is Outside the Delivery Area
CR ID #: 29195
SCR #: 37822

Prior to the release of RES Version 4.7, when the option bit 'Validate Block Number' was disabled the user was able to enter in a new customer through GSS by street name only. With the release of RES 4.7, the user receives a prompt that the address is outside the delivery area and is unable to enter in new customers by street name only. This has been corrected.

Customer Search Results Have Changed
CR ID #: 29180
SCR #: 37823

Previously when the user performed a search for a customer in the main dialog box, the search would include every name that came close in the database. For example, the search for Di resulted in the customer name Eddie first, rather than Dimitiri. This has been corrected.

Manager Procedures

Unable To Edit Time Clock
CR ID #: 29298
SCR #: 37723

After upgrading to 4.8 MR1, if you attempt to edit the clock out time through Manager Procedures for an employee that was clocked in the edit box will be grayed out. This has been corrected.

Setup

Unable To Clock In or Out After Rebuilding the Database With Any 4.8 MR Patch
CR ID #: N/A
SCR #: 37904

Previously, Nova Fixes and Maintenance Releases that made changes to the database did not install a new ConvertDB.mbz. This meant that doing a database rebuild would over write the database changes made by the Nova Fix or Maintenance Release. This has been corrected. Now if a database change is made, a new ConvertDB.mbz will be installed and the original will be renamed to ConvertDB.mbz.PrePatchRestore.

This means that doing a database rebuild or update will apply the changes made in the Nova Fix or Maintenance Release. As with all .PrePatchRestore files, the ConvertDB.mbz.PrePatchRestore must be left in place or the system will not be upgradable to future RES versions.

Maintenance Release 2

What's Revised?

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Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
Printing	IP Printing Loses Orders	29227/ 37649	43
POS Operations	Using Quantity Keys in Conjuction With Combo Functionality Results in Improper Consolidation	29223/ 37661	43

**Revisions
Detailed**

Printing

IP Printing Loses Orders
CR ID #: 29227
SCR #: 37649

Previously, Epson Printers TM 200 and TM 220B configured as IP would only print some of the orders. This was due to the PrintController.dll. This has been corrected.

POS Operations

Using Quantity Keys in Conjuction With Combo Functionality Results in Improper Consolidation
CR ID #: 29223
SCR #: 37661

Previously, when an menu item was rung up with a quantity of more than one and is converted to a combo meal, the main menu items within the combo are separated. While the side items and drinks are properly consolidated. This has been corrected.

If the quantity is decreased, the main menu item would appear as a zero quantity. The customer would be charged for the original decreased menu items amount and the remote devices would not reflect the order. This has been corrected.

Maintenance Release 1

What's Revised?

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Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
CAL	CAL Version 21 Does Not Work with Force Update Packages	N/A/ 37557	46
	CAL Client List Blank on WS5	N/A/ 37556	46
Cash Management	Till Adjustment With Negative Amount Not Working	29192/ 37608	46
Database	MyLabor Does Not Work With RES v4.8	N/A/ 37570	47

Module	Revision	CR ID/ SCR	Page
POS Operations	POS Operations Can Error When Multiple Tenders Require References	29131/ 37569	47
	Combo Meals Rung With Quantity Key in Non-COM Ring Too Many	29148/ 37579	47
	Applying Discount Could Give "No sales to discount" Error With COM	29163/ 37589	48
	Touchscreens Not Updating Correctly After Changing Menu Levels With COM	29160/ 37587	48
	ViVopay DTc Auth Request Message Does Not Include RFID Capable	N/A/ 37583	48
	POS Operations Can Error with 'Magnetic Card Entry Required'	N/A/ 37603	49
	Pickup Open Check SLU Not Displaying Correct Message	29152/ 37601	49
	'Item Price Substitution' Discount Rule Type Not Working as Expected	29191/ 37607	49
Reports	Daily RVC Discounts Detail Report Could Have Incorrect Authorizing Employee	28493/ 37590	50

Revisions Detailed

CAL

CAL Version 21 Does Not Work with Force Update Packages
CR ID #: N/A
SCR #: 37557

Version 21 (1.0.3.21) of CALsrv.exe would not install the Force Update packages to clients. The Force Update packages are used by nova fixes and maintenance releases to force clients to upgrade even though the RES version has not changed. This has been corrected

CAL Client List Blank on WS5
CR ID #: N/A
SCR #: 37556

Previously, when reconfiguring CAL from a WS5, no clients would display in the client list dialog. This has been corrected.

Cash Management

Till Adjustment With Negative Amount Not Working
CR ID #: 29192
SCR #: 37608

Previously, when making a negative adjustment to a till in Cash Management, the adjustment would save as 0.00. This has been corrected.

Database

MyLabor Does Not Work With RES v4.8
CR ID #: N/A
SCR #: 37570

In RES v4.8, the MICROS.sp_UpdateTmClkInfo stored procedure was changed to support employee break enhancements. The change caused MyLabor to not function properly due to the addition of new non-defaulting parameters. The new parameters have now been moved to the end of the parameter list and set to default to null. This has corrected the error.

POS Operations

POS Operations Can Error When Multiple Tenders Require References
CR ID #: 29131
SCR #: 37569

Previously, if using multiple tenders per seat with reference required on each tender it was possible for POS Operations to experience an unhanded exception. This has been corrected.

Combo Meals Rung With Quantity Key in Non-COM Ring Too Many
CR ID #: 29148
SCR #: 37579

Previously, in Non-COM mode, selecting 4 @ for a combo meal would result in 4 combos then 3 combos then 2 combos then 1 combo being rung in. This has been corrected.

Applying Discount Could Give "No sales to discount" Error With COM
CR ID #: 29163
SCR #: 37589

Previously, the ability to select discount items when using Conversational Ordering Mode (COM) when processing Quantity Threshold and Total Price Threshold based discounts would error with "No sales to discount". This has been corrected

Touchscreens Not Updating Correctly After Changing Menu Levels With COM
CR ID #: 29160
SCR #: 37587

Previously, changing menu levels when using Conversational Ordering Mode (COM), would not update the touchscreen correctly. The touchscreen could display incorrect menu items. This has been corrected.

ViVopay DTc Auth Request Message Does Not Include RFID Capable
CR ID #: N/A
SCR #: 37583

Previously, if a ViVOpay DTc device was used, the authorization request message did not include that the POS workstation was RFID capable. This has been corrected.

POS Operations Can Error with 'Magnetic Card Entry Required'

CR ID #: N/a
SCR #: 37603

Previously, if an employee was required to use a magnetic card (*Employees | Employee Classes | Clock In/Sign In | Require mag card emp ID*) and the user workstation does not allow keyed ID entry (*Devices | User Workstations | Options | General | Allow keyed ID entry*) the 'One Touch Sign In' key would not work properly. POS Operations would error with the 'Magnetic Card Entry Required' message. This has been corrected

Pickup Open Check SLU Not Displaying Correct Message

CR ID #: 29152
SCR #: 37601

In RES versions prior to 4.8, if the 'Pickup Open Check SLU' or the 'Open Check SLU With No Table' keys were selected and there were no open checks, the message 'No Open Checks Found' would be displayed. In RES version 4.8 the Open Check SLU screen would be displayed but the touchscreen would be blank. The functionality has been restored to show the error message 'No Open Checks Found'

'Item Price Substitution' Discount Rule Type Not Working as Expected

CR ID #: 29191
SCR #: 37607

In previous RES versions, when applying a discount that had a rule type 'Item Price Substitution' and the option 'Trigger Items must be selected' enabled, POS Operations would display the dialog box 'Please Select the Items to Discount'. Rather than the item selected being discounted, the most expensive item listed in the dialog box would be discounted. This has been corrected.

Reports

Daily RVC Discounts Detail Report Could Have Incorrect Authorizing Employee

CR ID #: 28493
SCR #: 37590

Previously, if an employee picked up another employee's check and then applied a discount that required manager approval, the Daily RVC Discounts Detail report would show the transaction employee as the authorizing employee. This has been corrected.