



*Restaurant Enterprise Solution
(RES) Version 4.5
Maintenance Release 1*

About This Document

This document provides installation instructions for the MICROS Restaurant Enterprise Solution (RES) Maintenance Release 1 for Version 4.5. 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.

*******IMPORTANT*******

Note that by installing the RES 4.5 Maintenance Release 1 patch, the system will be unable to upgrade to RES 4.6. The next available build that RES 4.5 MR 1 systems can upgrade to is RES 4.7.

*******IMPORTANT*******

In RES 4.5 MR1 there is a new dependency on the file WinHTTP.dll. This file is not included in the Windows NT operating system. Consequently, RES 4.5 MR1 will no longer run on Windows NT. Windows NT clients are not supported.

Declarations

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Maintenance Release 1

Installing a Maintenance Release

This Maintenance Release can only be installed on a system that has the released version of RES 4.5 (build 4.5.7.1983) 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_45_MR1.exe to the temp folder on your RES Server.
2. Double-click on RES_45_MR1.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 `MicroNovaPatch.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_4.5_MR1

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

Revisions

Whats Revised?

A revision is defined as a correction made to any existing form, feature, or function currently resident in the RES Version 4.5 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.

*******IMPORTANT*******

Previously, installing a patch would overwrite the existing Scripts\OCBserver.ini file. This has been corrected in 4.5 MR1. The existing OCBserver.ini and OCBclient.ini files will remain untouched. Two new files will be installed in the scripts directory.

OCBserver.template.ini
OCBclient.template.ini

The OCBserver.template.ini file contains some new information regarding the Micros OCB and its configuration. Sites using OCB can continue to use their existing OCB ini files or they may copy their settings into the new OCBserver.template.ini and rename it to OCBserver.ini.

Revisions Summarized

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

Module	Revision	CR ID/ SCR	Page
Database	Clients Were Getting Stuck While Waiting for the MdsHost.xml File	N/A/ 36910	7
Kitchen Display System (KDS)	'KDS Controller Locking Up Caused Gray Screens to Display	N/A/ 35948	7
Cash Management	Transferring the First Cash Pull to a Deposit Would Mix Up the Following Cash Pull	27949/ 36809	8
Reports	Report Viewer Timed Out Before Data Was Generated	N/A/ 36499	8
Peripherals	Menu Items Display Too Slowly on a MX870 Device	27168/ 36260	9
	MX870 Would Not Allow for Custom Payment Confirmation Form	N/A/ 36921	9
Inventory	'BOHtotals3700' mymicros.net Script Did Not Work as Expected if Suspended Receipts were Present	26624/ 35909	10
Credit Cards	Unable to Cancel Check After a Declined Credit Card Authorization	28109/ 36886	10
Control Panel	[Reboot All] Reboots RDC Clients as Expected	N/A/ 36460	11

Module	Revision	CR ID/ SCR	Page
Order Confirmation Board (OCB)	'Display Voids' no Longer Supported in OCBServer	N/A/ 36392	11
	MICROS Order Confirmation Board Supported by RES	N/A/ 36379	11

**Revisions
Detailed**

Database

Clients Were Getting Stuck While Waiting for the MdsHost.xml File

CR ID #: N/A

SCR #: 36910

Previously, after running a RES patch, some of the clients would be left 'waiting for host file'. This has been corrected.

Kitchen Display System (KDS)

'KDS Controller Locking Up Caused Gray Screens to Display

CR ID #: N/A

SCR #: 35948

Previously, it was possible to put the KDS Controller into a state where it would no longer communicate with the 'Display Applications', causing the screen to become gray indefinitely until stopping the KDS Controller and rebooting. This has been corrected.

Cash Management

Transferring the First Cash Pull to a Deposit Would Mix Up the Following Cash Pull

CR ID #: 27949

SCR #: 36809

Previously, if the user performed a Cash Pull via POS Operations and then used the *Cash Management (CM) | Tills | Transfer Cash Pull To Deposit* function to deposit this same amount, the amount was deducted from the cash pull accumulator twice in the database. The cash pull accumulator for the till was incorrect at this point, so the next attempt to perform a Cash Pull from POS Operations resulted in the following error: 'Cash pull amount may not exceed till balance'.

This has been corrected so that the cash pull accumulator in the database will only deduct the Cash Pull performed in POS Operations. The Cash Management 'Transfer Cash Pull To Deposit' function will have no effect on the till accumulator total and it will simply move the amount into the Deposit in Cash Management.

Reports

Report Viewer Timed Out Before Data Was Generated

CR ID #: N/A

SCR #: 36499

Previously, the Report Viewer would time out after two minutes before the report data was generated. This has been corrected.

Peripherals

Menu Items Display Too Slowly on a MX870 Device

CR ID #: 27168

SCR #: 36260

Previously, it could take between four to five seconds for the first menu item to appear on the MX870 OCB display when opening a new check. Also, as each item is entered in POS Operations, there was a noticeable delay, approximately 2 to 3 seconds for each item to output to the MX870 OCB display. This has been corrected and timings have now been improved so that each menu item rung in POS Operations takes approximately one second to display on the MX870 device.

MX870 Would Not Allow for Custom Payment Confirmation Form

CR ID #: N/A

SCR #: 36921

Previously, if the MX870 was configured to use a custom Payment Confirmation Screen, the system would not respond when the prompts were selected. This resulted in the transaction having to be canceled. This has been corrected.

Inventory

'BOHtotals3700' mymicros.net Script Did Not Work as Expected if Suspended Receipts were Present

CR ID #: 26624

SCR #: 35909

Previously, if packing slips or invoices were suspended in PM that contained Inventory items with a null quantity, the stored procedure 'speo_update_rcv_ttl' produced the error, 'Column 'qty' in table 'RVC_TTL' cannot be NULL.'

A correction was made to this stored procedure by adding a statement that will only post the reconciled packing slips to table RVC_TTL and not the suspended records, which can have a null quantity.

Credit Cards

Unable to Cancel Check After a Declined Credit Card Authorization

CR ID #: 28109

SCR #: 36886

Previously, a check could not be cancelled if an authorization on a credit card was declined. The solution to this was to close the check to a different tender, for example cash. This has been fixed with this Maintenance Release, and the Cancel Transaction key is now allowed after a '* DECLINE' message is received from the Host Processor.

Control Panel

[Reboot All] Reboots RDC Clients as Expected

CR ID #: N/A

SCR #: 36460

Previously, selecting [Reboot All] from the Control Panel rebooted all clients except the Restaurant Display Controller (RDC) clients. This has been corrected.

Order Confirmation Board (OCB)

'Display Voids' no Longer Supported in OCBServer

CR ID #: N/A

SCR #: 36392

The 'Display Voids' configuration option bit is no longer support in OCBServer. If this option is set to '1', within the OCBSERVER.INI file, a message will be logged (at verbosity 4 or higher) to indicate that the option is no longer supported. Direct voids always display.

MICROS Order Confirmation Board Supported by RES

CR ID #: N/A

SCR #: 36379

With this release, the MICROS Order Confirmation Board (OCB) is now supported. To install the MICROS OCB, please refer to Appendix H of the RES 4.7 Install Document.