

Oracle® Hospitality e7 Point-of-Sale
Patch Release Notes
Release 4.1 Maintenance Release 1
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Preface

This document describes the features and changes included in the Oracle MICROS e7 Version 4.1 MR1 release.

Audience

This document is intended for all users of MICROS e7.

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at <http://docs.oracle.com>

Revision History

Date	Description of Change
June 5, 2015	<ul style="list-style-type: none">Initial publication.
February 27, 2019	<ul style="list-style-type: none">Updated Features and Updates chapter by adding support for key server configuration.

1 Features and Updates

This section describes the features and updates included in this release.

Updated requirements due to Microsoft .NET Framework 3.5

Beginning with this release, MICROS e7 uses Microsoft .NET 3.5. You must:

- Install or update to Microsoft .NET Framework 3.5 on your PC. You can download the .NET framework from the Microsoft Download Center: <https://www.microsoft.com/en-us/download/>
- Update your Workstation 5, and Workstation 4LX devices to the latest platform.

Note that old versions of the Workstation 5 and Workstation 4LX cannot update to the latest version of the platform due to their uDiskOnChip (uDOC) size. You must order and replace the uDOC for the following devices:

- Workstation 5: Serial numbers older than 7302003441.
- Workstation 4LX: Serial numbers older than 7320023476.

Contact your customer representative for more information on pre-programmed uDOCs.

Removed support for MICROS Workstation 4

Beginning with this release, MICROS e7 does not support and cannot be installed on a MICROS Workstation 4.

Added support for key server configuration

Key server configuration fields are now available to support integration with mymicros.net. The following key server fields have been added to the myMicros interface configuration in the e7 Configurator:

- Key Server URL Part 1 and 2
- Key Server Username
- Key Server Password

Properties using mymicros.net are required to configure these key server fields.

See *Installing Remote Transfer Agent (RTA) at a Location* in the *Reporting and Analytics 9.1 User Guide* for more information.

2 System Requirements, Supported Systems, and Compatibility

Supported Workstations

- MICROS Workstation 4LX
- MICROS Workstation 5
- MICROS Workstation 5A
- MICROS Tablet R-Series
 - e7 does not support the stadium edition

Supported PC Operating Systems

- Microsoft Windows Server 2003 (32-bit)
- Microsoft Windows Vista Business Edition
- Microsoft Windows 7 Professional (32-bit and 64-bit)
- Microsoft Windows 8 (32-bit and 64-bit)
- Microsoft Windows 8.1 (32-bit and 64-bit)

3 Installation and Upgrade

See the *MICROS e7 4.0 Installation Guide* for instructions and information pertaining to installing or upgrading to MICROS e7 4.0 on a deployment environment.

Enabling gift cards after upgrading to e7 4.1 MR1

After upgrading to e7 4.1 MR1, you must perform the following steps to enable gift cards:

1. Start e7 and wait for the error message:
Failed to load TIF Module: SVC Due to the lack of signature.
2. Click **OK** on all nodes.
3. In the Configurator, select Restaurant from the menu, select the **Security** form, and select **Allow unsigned interfaces**.
4. Restart e7 on all nodes when prompted.

PCI Compliance upgrade best practices

See *MICROS e7 Payment Applications Best Practices (PABP) Compliance* for more information about PCI Compliance.

Non-compliant versions of MICROS e7 pose a security risk with regards to data such as credit card numbers. This data must be removed to ensure that the MICROS software upgrade is conducted in accordance with PCI compliance.

Use the following table to determine whether you are performing an upgrade from a Non-PCI-compliant version to a PCI-compliant version. You do not need to perform the upgrade steps in this section if you are upgrading from a version that is already PCI compliant.

PCI-compliant	Non-PCI-compliant
<ul style="list-style-type: none">• 2.1 and patches 1, 2, 3, and 4	1.0
<ul style="list-style-type: none">• 2.5	1.5 and patch 1
<ul style="list-style-type: none">• 2.6 patches 1, 2, and 3	2.0
<ul style="list-style-type: none">• 2.7 patches 1 and 2	2.0 and patches 1 and 2
<ul style="list-style-type: none">• 2.8	2.7
<ul style="list-style-type: none">• 3.0	
<ul style="list-style-type: none">• 3.1	
<ul style="list-style-type: none">• 3.2	
<ul style="list-style-type: none">• 3.3	
<ul style="list-style-type: none">• 4.0	
<ul style="list-style-type: none">• 4.1	

Clearing Virtual Memory

The Microsoft Windows operating system uses virtual memory to optimize the use of RAM and disk memory. MICROS e7 can write sensitive data to the virtual memory during data swap process between the RAM and virtual memory.

To configure the operating system to automatically clear virtual memory whenever a MICROS e7 PC reboots:

1. Click **Start**.
2. Click **Control Panel**.
3. Click **Administrative Tools**.
4. Click **Local Security Policy**.
5. Double-click **Local Policies**.
6. Select **Security Options**.
7. Depending on your operating system, double-click the policy as shown in the following table:

Operating System	Policy Name
Microsoft Windows Vista Business	Clear Virtual Memory Page File When System Shuts Down
Microsoft Windows Server 2003	Shutdown: Clear Virtual Memory Pagefile
Microsoft Windows 7	
Microsoft Windows 8	
Microsoft Windows 8.1	

8. Select **Enabled**.
9. Click **OK**.

Remove old database copies and logs

Use a data removal utility to wipe data from the system. The utility must overwrite data with garbage data to prevent access to the original information. The operating system delete function does not comply with PCI security standards because it unlinks the filename from the data but leaves the data intact on the system.

You must remove all database copies, logs, and any other files that contain customer data. If you do not think you can locate all files that must be removed, security compliance recommends reinstalling the system on a reformatted hard drive.

Do not wipe current database files. MICROS e7 stores these files in the \MICROS\e7\db\ folder.

Backing up the current database

1. In the e7 Configurator, select **Functionality**.
2. Select **Backup the Database**.
e7 creates and stores the database backup file (backup.001.gz or backup.002.gz) in the \MICROS\e7\dbbackups\ folder.
3. Make a copy of the backup file and place it in a secure location.

4 Resolved Issues

This chapter describes the issues resolved in this release.

Module	CRID	TPID	Description
POS Operations	35724	75343	You can no longer concurrently enable Discount over threshold and Max Discount Allowed .
	34004	26960	When you ring a quantity of a menu item configured with an attachment and then press Auto Combo , POS Operations no longer deletes instances of the menu item that were converted to a combo meal. For example, if you ring five cheeseburgers with a cheese attachment, one medium coke, one medium fries, and then press Auto Combo , POS Operations rings a cheeseburger meal and four cheeseburgers. Prior to this fix, POS Operations rung one cheeseburger meal and deleted the four cheeseburgers from the order.
	36492	15103	POS Operations now calculates the correct discount amount when you apply a discount with one tax rate to a menu item linked to more than one inclusive tax.
Printing	36251	93287	The MICROS Tablet R-Series no longer fails to print a configured logo when printing a check using a serial or IDN TM-T88 connection.
Reports and Autosequence	36298	94243	If an employee opens a check on one shift and closes the check on another shift, the Employee Shift no longer counts values such as the net sales for that check twice.
	33481	21117	The Time Period Labor and the Time Period Sales report no longer shows an incorrect total value when they span more than one business day.