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This latest release includes bug fixes and enhancements.

## UPGRADES

We are changing how we deliver upgrades to uniCenta oPOS. The **Database Transfer Tool** must be used for all upgrades for all versions **before** 4.5. Please read the [uniCenta oPOS Database Transfer Guide](#)

If you are upgrading version 4.5 to 4.5.1 or 4.5.2 choose the **automatic upgrade** option. You do not need to use the **Database Transfer Tool**.

Until we complete the upgrade transition scripts the **automatic upgrade** will over-write your existing **Administration>Maintenance>Resources** scripts and you may need to edit them if you have made any changes to the originals created by the uniCenta oPOS installer.

This version Readme and other Guides are made available to uniCenta Customers only.  
This version source code access is available to uniCenta Customer Subscribers only.

This version – like all previous versions - does not guarantee that any included upgrade scripts or modules will successfully upgrade any previous release versions.

## IMPORTANT :

If you are upgrading: It is recommended you install uniCenta oPOS 4.5.2 in a separate space and test beforehand against a copy of your live production MySQL database to ensure its new functionality and enhancements suit your operation.

## INSTALLERS:

Available for:

- Windows XP SP3 to Windows 10 – as a .exe
- Linux x86 & Linux x86\_64 – as a .run
- Mac OS X 10.6 – as a zip

## SUPPORT :

Only CUSTOM subscription plan Customers are provided support for any uniCenta oPOS Beta

## SOURCE CODE:

The uniCenta oPOS 4.5.2 project is Mavenized and is not shipped with any libraries which means the project file size is considerably smaller than previous versions.

Source code for posApps Card Payment services is not open source and distributed using our own license to achieve conformity with the latest (1 Feb 2018) PCI and EMV regulations.

Source code for posApps Digital Receipts is not open source and distributed using our own license as it connects directly to and uses our private servers.

Enjoy!

Jack

## BUG FIXES

### 1. GENERAL

**BUG (UOCL-69):** App' becomes unresponsive after long idle time due to JVM process bottleneck  
**FIX:** Set autoRefreshTimer properties default to "false"

### 2. TICKET

**BUG (UOCL-58):** Payments Customer Debt not allowing balance value

**FIX:** Change JPanelDebt

**BUG (UOCL-59):** Manual Free Sale fail

**FIX:** See DATABASE TRANSFER (UOCL-59)

**BUG (UOCL-68):** Catalog panel not visible in Right-To-Left language

**FIX:** See CATEGORY (UOCL-68)

**BUG (UOCL-69):** Restaurant – User cannot access newly created table sale in Table map

**FIX:** Rework method>function for user<>current user in JTicketsBagRestaurantMap

### 3. REPORT

**BUG (UOCL-61):** CategorySummary incorrect report totals not matching X/Z's

**FIX:** Change SQL from ticketlines to taxlines

**BUG (UOCL-62):** CategoryDetail incorrect report totals not matching X/Z's

**FIX:** Change SQL from ticketlines to taxlines

**BUG (UOCL-63):** CategoryDetail incorrect report totals not matching X/Z's

**FIX:** Change SQL from ticketlines to taxlines

**BUG (UOCL-64):** Product Sales report incorrect report totals not matching X/Z's

**FIX:** Change SQL from ticketlines to taxlines + CloseCash reconciliation

**BUG (UOCL-65):** Sales Taxes report incorrect report totals not matching X/Z's

**FIX:** Change SQL from ticketlines to taxlines + CloseCash reconciliation

**BUG (UOCL-66):** Taxes Category report incorrect report totals not matching X/Z's

**FIX:** Change SQL from ticketlines to taxlines + CloseCash reconciliation

### 4. DATABASE TRANSFER

**BUG (UOCL-59):** xxx999 & xxx998 defaults not recreated in transfer – if missing

**FIX:** Recreate xxx999 & xxx998 if missing applies early 3 series

**BUG (UOCL-60):** Apache Derby transfer option fail

**FIX:** Rework session;connection and Test methods. Default to unicentaopos-database

### 5. CATEGORY

**BUG (UOCL-68):** Catalog panel not visible in Sales screen in Right-To-Left language

**FIX:** Change JCatalog m\_jscrollcat Display Layout from WEST to CENTER

## DEVELOPERS

### Language Framework

Java JDK 8 is required.

There has been further conversions to Java Lambda functions as we continue to migrate code blocks as we go along, and only in certain parts of uniCenta oPOS core code, and to maintain compatibility with the earlier code base.

### Maven

Central uniCenta oPOS library file distribution

Uses POM 4.0.0 modelVersion

Uses maven.compiler 1.8 version

#### Repositories:

unicenta-repo - <http://repo.unicenta.org/maven2/>

Swing/Netbeans - maven2-repository.netbeans.maven2

mvnrepository

Netbeans Maven - <http://bits.netbeans.org/maven2/>

When using Netbeans – or another similar IDE – create a New Project and use the Project with Existing POM option. Then Clean and Build.

On the initial load of the project there will be a delay whilst the required library files are added to the project. You will need to be connected to the internet to receive these.

The new Developer section is now open and is available to PLUS and CUSTOM subscribers here: <https://unicenta.com/developer-section/>

We have kicked off with a bunch of really useful and exclusive Developer Guides as well as some handy x-Reference documents.