

Date: July 2017
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Version: 4.4

This latest release introduces new functionality and add-in applications as part of our on-going development of the uniCenta oPOS project.

Fixes as notified and/or requested in uniCenta forums along with other directly and un-reported items are also included.

It is **very strongly recommended** to use the Database Transfer Tool for all upgrades - including any 3.xx or 4.x series - if you wish to include and access the latest changes and functionality. Please read the [uniCenta oPOS Database Transfer Guide](#).

This Readme and other Guides are made available to uniCenta Customers only.
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 4.4 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 4.4 project is Mavenized and is not shipped with any libraries which means the project file size is considerably smaller than previous versions.

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.

Source code for posApps Card Payment services is not open source and distributed using our own license so as to conform to 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

posApps

A new PCI/EMV compliant Card payment service option from PaymentSense (available UK & Ireland) has been added.

The image displays two side-by-side screenshots of the posApps configuration application. Both windows have a title bar that says 'posApps' and a close button. The application has a green header with the 'posApps' logo. Below the header is a navigation bar with tabs: 'Profile', 'Settings', 'PaymentSense', 'Dejavoo', and 'Handpoint'.
The left screenshot shows the 'Credentials' tab. It has a 'Credentials' section with an email field containing 'jackg@unicenta.com' and a password field with masked characters. To the right is a 'System Information' section showing 'Version : 1.3'. At the bottom is a large orange 'Save' button. A footer bar contains a help icon and the text 'Configure posApps here'.
The right screenshot shows the 'PaymentSense' tab. It has three input fields: the first contains a URL 'https://507713009.t.connect.paymentsense.cloud', the second contains an API key '0a5474c14c8b3f82a5fe031', and the third contains a port number '2103'. At the bottom is a large orange 'Save' button. The footer bar is identical to the left screenshot.

A valid posApps account is required. To get a posApps account; use the Register button on the main posApps form. Please visit <https://posapps.io> for more information.

To **disable** posApps: touch the posApps button  on the main sales screen button bar and check the Disable Digital Receipt option.

posApps PaymentSense PCI/EMV Card Payments

The new PaymentSense option requires a PaymentSense card payment device and a valid Merchant account.

Handpoint is included at this time but there will be no further development by us of this product. Please contact info@unicenta.com for more information.

You can remove the posApps button from the Sales screen by going to Maintenance>Resources>Ticket.Buttons and add the exclude tags like shown below:

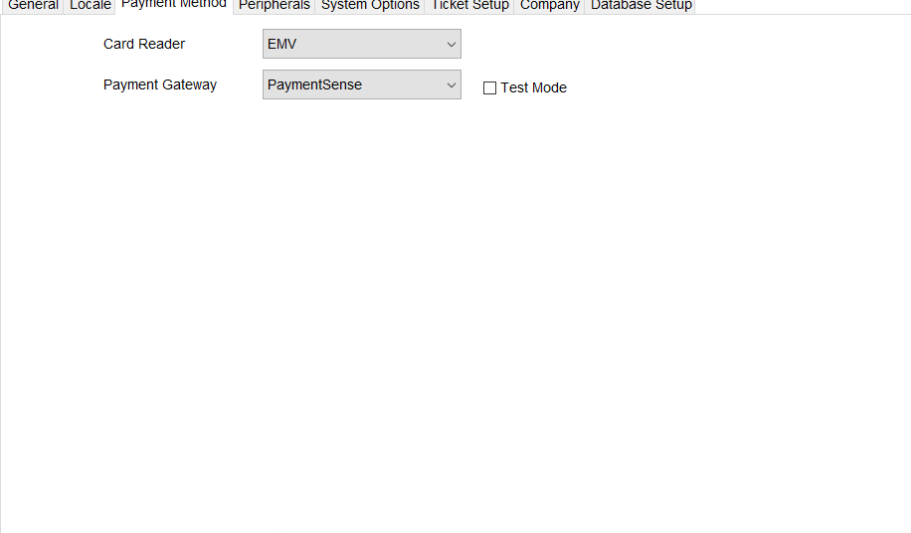
```
<!-- Open posapps settings / configuration screen (Default=ENABLED) -->
<!-- <button key="button.posapps" image="img.posapps" code="script.posapps" /> -
-->
```

CONFIGURATION

Configuration

Add: Card Reader - EMV

Add: Payment Gateway – PaymentSense



The screenshot shows a configuration window with several tabs: General, Locale, Payment Method, Peripherals, System Options, Ticket Setup, Company, and Database Setup. The 'Peripherals' tab is selected. Inside this tab, there are two dropdown menus. The first is labeled 'Card Reader' and has 'EMV' selected. The second is labeled 'Payment Gateway' and has 'PaymentSense' selected. To the right of the 'Payment Gateway' dropdown is a checkbox labeled 'Test Mode' which is currently unchecked.

GENERAL

DataLogicCustomers.java

Change : SQL statement RESERVATION_customers to reservation_customers

DataLogicSales

Change : Replace paymentsaddPayment(..) to include p.getVoucher()

Change : un-Comment and move Voucher method into writeValues While loop

Start.bat & Start.sh

Change : Update to java start line and classpaths

RESOURCES

Printer.CloseCash.xml

Change : Remove line `<!-- Cash Earnings.... ->` line 126 removed as although commented out was still interpreted causing fall-through to utils package

LIBRARIES

rxtxSerial.dll & rxtxParallel.dll

Change : Update to newer versions

Add : x64bit libraries for Windows, Linux and Mac OS X

REPORTS

extproducts date range selection

Change : sales_extproducts.bs

Add : report JParamsDatesInterval() block

sales_closedproducts.bs

Bug: Incorrect calculations.

Fix: References now show product value actuals in ticketlines

sales_closedpos_messages.properties + US and Fr

Change : correct transpayment.paperin and paperout to Slip Sale and Refund

Add : transpayment.voucherin=Voucher and voucherout.Voucher Refund

Add : transpayment.bank=Bank, Bank, Banque

sales_cashregisterlog_messages.properties + US and Fr

Change : Correct transpayment.paperin and paperout to Slip Sale and Refund

Add : transpayment.voucherin=Voucher and voucherout.Voucher Refund

Add : transpayment.bank=Bank, Bank, Banque

sales_extendedcashregisterlog_messages.properties + US and Fr

Change : Correct transpayment.paperin and paperout to Slip Sale and Refund

Add transpayment.voucherin=Voucher and voucherout.Voucher Refund

Add transpayment.bank=Bank, Bank, Banque

sales_cashflow_messages.properties + US and Fr

Change : Correct transpayment.paperin and paperout to Slip Sale and Refund

Add : transpayment.voucherin=Voucher and voucherout.Voucher Refund

Add : transpayment.bank=Bank, Bank, Banque

sales_paymentreport_messages.properties + US and Fr

Change : Correct transpayment.paperin and paperout to Slip Sale and Refund

Add : transpayment.voucherin=Voucher and voucherout.Voucher Refund

Add : transpayment.bank=Bank, Bank, Banque

sales_taxes_messages.properties + US and Fr

Change : correct transpayment.paperin and paperout to Slip Sale and Refund

Change : correct label.totals to label.total

Add : transpayment.voucherin=Voucher and voucherout.Voucher Refund

Add : transpayment.bank=Bank, Bank, Banque

FORMS

CustomersView

Bug: Address tab lost locale properties

Fix: Reassign label.locationaddress

CustomerInfoExt

Bug: Customer Date & Customer Debt not updating immediately after transaction caused by Hidden fields

Fixes:

Refactor postal>cemail

Refactor email>cemail

Refactor phone>phone1

Refactor curdebt>accdebt

SuppliersView

Bug: Address tab lost locale properties

Fix: Reassign label.locationaddress

Products View

Bug: Displays error message - pricesell cannot be null when on opening form

Fix: Remove Transfer stmt.addBatch("DELETE FROM suppliers;"); as default Supplier record deleted in Database Transfer.ClearData method

JPanelTicket

Bug: selecting Expand/Close main toolbar loses focus for fresh code/barcode entry

Fix: Add m_jKeyFactory.requestFactory to jButtonShowActionPerformed(....);

Bug: incorrect ticket totals calculation when main toolbar button selected

Fix: remove call to taxeslogic.calculateTaxes(m_oTicket);

Payments.java

Bug: Voucher remains in Payment list after being applied - make sure it isn't

Fixes: create new addPayment method with pVoucher

Change : un-Comment getVoucher method line 127

Change : Rework public void writeVaLues - REMOVED WHILE (payments) line 1693

JPanelCloseMoney

Add: Paymentsense End Of Day triggered on CloseCash

DEVELOPERS

Language Framework

Java JDK 8 is required.

We are continuing to migrate some code as we go along only in certain parts of uniCenta oPOS core code to maintain compatibility with the earlier code base.

Change: Refactor more Java6/7 functions to Java8 throughout code base.

For example: some **for** statements

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/>

A Netbeans project zip file is provided – see Downloads. When setting up a project for the first time you will need to be patient whilst the necessary libraries and other files are downloaded from their online repositories.