Date: 1 January 2018
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Version: 4.5

This latest release includes bug fixes, enhancements and additional functionality.

The **Database Transfer Tool** must be used for all upgrades for all versions. 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 4.5 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 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

BUG FIXES

1. **GENERAL**
   BUG: Minimising to Taskbar on pop-up (dialog) form is used in Fullscreen mode - Windows only
   FIX: Change to Window [] code block in JRootKiosk - Thanks! Member Hayk Sokolov

2. **TICKET**
   BUG: Customers Printer.Ticket email missing
   FIX: Add cmail variable
   BUG: Customer.Paid email error + Operation missing when paid by CreditCard (in standalone mode)
   FIX: Add cmail variable

3. **REPORT**
   BUG: rpt:DailyPresence only returning one User
   FIX: Rebuild report - XML error + Rebuild usersales.bs

4. **RESTAURANT MODE**
   BUG: Over-ride when not returning to Table Plan
   FIX: JTicketsBagRestaurantMap - Remove lock and Override
   FIX: JTicketsBagRestaurant - Delete ticket if m_aLines==null

5. **DATABASE TRANSFER**
   BUG: Script fail
   FIX: remove stray ALTER TABLE line in Products block for Memodate
   BUG: Fail on Ticketsnum
   FIX: Add While loop to catch NULL ticketsnum from source db

6. **PAYMENTS**
   BUG: Amount Tendered is null in Paymentstable
   FIX: DataLogicSales saveTicket
   BUG: Voucher is null in Paymentstable
   FIX: DataLogicSales saveTicket

7. **TICKETS**
   BUG: Cash & Tendered not showing correctly on receipt
   FIX: Printer.Ticket template - revise #if Cash code block...
   BUG: Cash & Tendered not showing correctly on receipt preview
   FIX: Printer.Ticket.Preview template - revise #if Cash code block...
   BUG: Cash & Tendered not showing correctly on receipt reprint
   FIX: Printer.ReprintTicket template - revise #if Cash code block...
   BUG: Printer.Ticket - Incorrect Card Total Value
   FIX: Change from ticket.printTotal to paymentline.printTotal
   BUG: Printer.PrintLastTicket - Incorrect Card Total Value
   FIX: Change from ticket.printTotal to paymentline.printTotal
   BUG: Printer.ReprintTicket - Incorrect Card Total Value
   FIX: Change from ticket.printTotal to paymentline.printTotal

8. **VOUCHERS**
   BUG: Voucher Status always Active
   FIX: Evaluation now flagged correctly as D (redeemed)
   BUG: DataLogicCustomers getVoucherInfo SELECT ID ambiguous ref'
   FIX: Changed to SELECT vouchers.ID

9. **ROLES - Administrator + Manager**
   BUG: Incorrect report names
   FIX: change dailypresencereport.bs to epm_dailypresence.bs
   FIX: change dailyschedulereport.bs to epm_dailyschedule.bas
   FIX: change performancereport.bs to epm_performance.bs
   FIX: tools_badprice
           tools_invalidcategory
           tools_updatedprices
           tools_inventoryqtyupdate
           tools_newproducts
           tools_missingdata
           tools_invaliddata

10. **ROLES – Employee**
    BUG: Missing Check In/Out
    FIX: Add back Missing <class name="com.openbravo.pos.forms.MenuEmployees" />
    FIX: change/reassign Tools reports names

11. **CONFIGURATION>SystemOptions**
    BUG: Customer; Waiter; Table WebLaf Colour Fieldchooser component causing background error
    FIX: Replace WebLaf Fieldchooser with new instances

12. **JNumberDialog**
    BUG: Visible input area cropped
    FIX: Extend panel

13. **Printer.Inventory.xml**
    BUG: Incorrect Articles count
    FIX: printTotalArticles()

14. **JTicketsBagRestaurantMap**
    BUG: Override message appears when sales screen loses focus
    FIX: set lockstatus = null on deactivate

15. **JPanelTicket**
    BUG: Wildcard transaction line fails due to missing values
    FIX: oProduct Ref & Code default values

16. **Report locale properties**
    BUG: Slip payment shows as null
    FIX: Add transpayment.slip=Slip to all report locales

17. **Printer.Ticket.P1 - P6**
    BUG: <line><text>Printer 1</text></line> showing on all tickets
    FIX: Change Printer (num) to correct Printer number
    Note: it can be changed to anything you like Bar or Deli - it's just a text line

18. **CASHCLOSE - TO BE COMPLETED**
    BUG: PaymentSense EOD runs even when Config set to EMV/Dejavoo
    FIX:

CHANGES & ENHANCEMENTS

GENERAL

AppConfig.java
>ADD: Set common defaults

AppViewConnection
>CHANGE: Extend URL Connection string options
>NEW: User "open.db" tracking file

BasicTicketForPrinter
>CHANGE: Faint print using Monospaced BASEFONT replaced with Courier New

Basic TicketForScreen
>CHANGE: Faint print using Monospaced BASEFONT replaced with Courier New

FtpUpload
>NEW: uniCenta Customer Support Install/Launch silent logger

Permissions - Administrator + Manager Permissions to Roles
>ADD: <class name="sales.DeleteTicket"/>
>ADD: <class name="button.keyboard"/> to Additional Button Scripts

JRootApp
>CHANGE: End Of Life Upgrade option + notification to Database Transfer Tool
>NEW: Functionality for use with new FtpUpload class
>NEW: User open.db tracking file

posApps
>NEW: Inclusion of new platform REST API for Customer
>>See: https://docs.posapps.io/customer/
>NEW: posApps REST API - Customer option added.
>>Enable/Disable Customer REST API checkbox on posApps settings form
>NEW: REST API calls to MySQL-Create and Upgrade scripts

Skins
>NEW: Reintroduce Substance Look and Feel - offers more Skins
>CHANGE: Deprecate and Remove uniCenta skin

ThumbNailBuilder
Remove button overlay for better visibility when used with Skins
>CHANGE: Switch of g2d.fillRect(0 , 0, imgtext.getWidth(), label.getHeight());
>ADD: m_jTicketTable.setAutoCreateRowSorter(true);

Pom.xml
    ADD: Include folder
    ADD: Configure folder
    ADD: Templates folder

Copyright headers
    CHANGE: Update copyright 2009-2018 throughout project

INSTALLER

    NEW: Install Helper
    ADD: Configure folder
    ADD: Templates folder

FORMS

CategoriesEditor
    NEW: Category's related Products table
    NEW: CategoryStock.java class
    NEW: Product Count
    CHANGE: Layout for table

CloseCash
    CHANGE: Replace webLaf ComboBox with Swing jComboBox

Configuration>Database
    CHANGE: Revise & separate Database connection layouts to allow for additional
        connection and string options

Configuration>SystemOptions
    CHANGE: Set core Defaults to Enabled
    CHANGES:
        Show Customer Detail... + change colour from #FFFFFF to #58B000 default
        Show User's detail...   + change colour from #FFFFFF to #258FB0 default
        Table Name text colour... change colour from #FFFFFF to #D62E52 default

Configuration>General
    NEW: Override and PIN controls

CustomersView
    CHANGE: Update Transactions table properties
    NEW: Transaction Count

Database Transfer
> CHANGE: Re-work form layout/components for better clarity
> NEW: DB Size check info
> ADD: DROP and CREATE Indeces added to: MySQL-dropFkeys.sql & MySQL-Fkeys.sql scripts
> NEW: Multi-db pop-up check using new JRootApp + AppViewConnection

DinerNumber – preparing for future
> CHANGE: refactor to NumberDialogPop for multi-use

JPanelPlaces
> NEW: Add seats references

JPanelTicket
> NEW: new Method changeCount()
> NEW: changeCount() calls to buttonTransition Method
> CHANGE: Add calls to new Method on +/- NumberKeys + manual key inputs
> CHANGE: Move & shrink m_jPor label - gives more space when   <class
>   name="sales.ChangeTaxOptions"/> not visible
> ADD: import com.openbravo.beans.JPasswordDialog;

JProductLineEdit
> ADD: m_jUnits.setEnabled(app.getAppUserView()
>   .getUser().hasPermission("com.openbravo.pos.sales.JPanelTicketEdits"));
> CHANGE: Remove Item Name Label and extend field Name input length
> CHANGE: Set all fields - except Name - to Enabled=false

JPanelTicketsBagShared + JPanelTicketsBagRestaurant
> ADD: m_jDelTicket.setEnabled(m_App.getAppUserView()
>   .getUser().hasPermission("sales.DeleteTicket"));
> CHANGE: m_jDelTicketActionPerformed

JTicketsFinder
> ADD: Set StartDate default to today
> ADD: Show TicketCount

JTicketsBagRestaurantMap
> NEW: Drag and Drop table plan

JTicketLines
> NEW: Administrator/Manager Over-ride popup on ticketline +/-
> CHANGE: Enable Column sorting - Click on column title -
>   m_jTicketTable.getTableHeader().setReorderingAllowed(true);
> CHANGE: TableHeader Font Size 18

DataLogicSales
> NEW: getCategorysProductList

PaymentInofMagcard

CHANGE: legacy magcard return value changed to ccard

PaymentInofMagcardRefund

CHANGE: legacy magcardrefund return value changed to ccardrefund

Payments>Voucher

NEW: Voucher Status to Voucher tab

PlacesEditor

NEW: Seats

CHANGE: MySQL-create.sql - add seats to sql statement

Place.java

CHANGE: Add 24 x tables - fits 1024 x 768

NEW: seats getter/setter

NEW: table xy getter/setters

Product Filters

ADD: reset button to clear form fields

SuppliersView

CHANGE: Update Product table properties

Voucher

ADD: Option to Menu.Root>Customers

ADD: submenu.addPanel("/com/openbravo/images/reports.png",

"Menu.Customers.Reports.Vouchers",

"/com/openbravo/reports/customers_vouchers.bs");

VoucherEditor

NEW: Add Status to form + Change Object

CHANGE: to form fields to prevent edit of Redeemed voucher

CHANGE: Replace webLaf ComboBox with Swing jComboBox

VoucherInfo

NEW: Add Status to voucherInfo model

PROPERTIES

Locale properties
      CHANGE: legacy magcard & magcardrefund text values to ccard & ccardrefund

Report properties
      CHANGE: legacy magcard & magcardrefund text values to ccard & ccardrefund

System Properties
      CHANGES:
            pos_messages.properties
            pos_messages_en_US.properties
            pos_messages_de.properties
            pos_messages_fr.properties
            pos_messages_nl.properties
            pos_messages_it.properties
            pos_messages_es.properties
            pos_messages_es_MX.properties
            pos_messages_es_AR.properties
            pos_messages_ar.properties
            pos_messages_da.properties
            pos_messages_el.properties
            pos_messages_al_SQ.properties

REPORTS

rpt:cashregisterlog
      ADD: Voucher column

rpt:products
      ADD: Barcode column
      ADD: label.code=Barcode to products_message.properties

rpt:sales_closedProducts
      CHANGE: Make HOST Group Header visible
      CHANGE: Subordinate PRODUCT Group Header and Footer

rpt:usersales
      ADD Ticket column

RESOURCES

NEW: New denomination value images
NEW: New currency denomination values
NEW: payments_uk; payments_us; payments_euro
NEW: Payment currency denomination
      Payments_full.txt
      payments_euro.txt
      payments_uk.txt
      payments_us.txt

SCRIPTS

MySQL-create.sql

NEW: denomination images
CHANGE: *** to Free Line entry text
CHANGE: **** to Service Charge

Remote Ticket printing

CHANGE: TicketLineInfo - updated to attributes.ticket.updated
CHANGE: script.SendOrder change if((printed.... updated to ticket.updated
CHANGES: Printer.Ticket.P1-P6
      #if($ticketline.... updated to ticket.updated
      ${ticketline.setProperty("ticket.updated", "false")}

sales.PrintKitchen to sales.PrintRemote

CHANGE: Refactor
CHANGE: Roles, JPanelTicket

Ticket.Buttons

NEW: Bonus>Images>System>keyboard_48.png
CHANGE: Keyboard script set to ENABLED for default
CHANGE: unComment base
      <taxesincluded value="true"/>
      <taxcategoryid value="001"/>
      <pricevisible value="true" />

TEMPLATES

Ticket Templates
        CHANGE: legacy magcard & magcardrefund text values to ccard & ccardrefund
        CHANGE: move images from /com/openbravo/pos/templates/ to
                /com/openbravo/pos/images/
        ADD: Include folder to pom.xml
        NEW: US_Printer.PrintLastTicket.txt
        NEW: US_Printer.ReprintLastTicket.txt
        NEW: US_Printer.Ticket.txt
        NEW: US_Printer.TicketLine.txt
        NEW: US_Printer.TicketPreview.txt

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/

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.

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.