



# uniCenta oPOS

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## Installation Guide

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**September 2009**

The Installation Guide helps the user establish the system requirements required by uniCenta oPOS across different platforms.

## Contents

Software installation .....	3
Install Java .....	3
On Windows.....	3
On Ubuntu.....	3
Run it!.....	4
On Windows.....	4
On Linux .....	4
On MacOSX .....	4
Localization packages installation.....	4
Database installation .....	5
Apache Derby.....	5
MySQL .....	5
On Windows.....	5
On Ubuntu.....	6
Usage.....	6
PostgreSQL.....	6
On Windows.....	6
On Ubuntu.....	6
Usage.....	7
Oracle.....	7
On Windows.....	7
On Ubuntu.....	7
Usage.....	7
Configuration .....	7
Database configuration.....	8
Cash register .....	9
Locale .....	10
Payment .....	10

# Software installation

## Install Java

uniCenta oPOS is an application developed in Java and to execute it you will need the Sun Java Runtime Environment (JRE) 1.6 or greater.

## On Windows

You can install Java from [Sun's website](#).

## On Ubuntu

To install java in Ubuntu make sure to have the multiverse and restricted repositories activated. To do this you can add the following lines to the `/etc/apt/sources.list` file:

```
deb http://za.archive.ubuntu.com/ubuntu/ intrepid main restricted
deb http://za.archive.ubuntu.com/ubuntu/ intrepid multiverse
```

Where *intrepid* is the Ubuntu version you have installed. And after modified you have to update your repository executing:

```
sudo apt-get update
```

And to install java execute

```
sudo apt-get install sun-java6-jre sun-java6-fonts
```

You can also add the multiverse repository using the system tool *Software sources*, and install the java packages using the *Synaptic package manager*.

To verify that the correct version of java is installed the following command can be used:

```
java -version
```

If you have more than one java environment installed in your machine you need to select the Sun java runtime environment (JRE) 1.6 or greater. The following command can be used to list the available java versions:

```
update-java-alternatives -l
```

And to change from one version to another, the following command can be used:

```
sudo update-java-alternatives -s <JRE Version>
```

## Run it!

The first time uniCenta oPOS starts and there isn't a database, it displays a warning alerting that it has found an empty database. If you click OK, uniCenta oPOS will create for you the database structure necessary to run.

## On Windows

### Installer

Go to Start -> Applications -> uniCenta oPOS -> uniCenta oPOS

### Binary package

Execute the file *start.bat* just double clicking on it or launch from the command line. You can also create a shortcut to this file and place it in your preferred location: the desktop, the launch bar...

## On Linux

### Installer

In Gnome go to Applications -> Office -> uniCenta oPOS or just execute *uniCentaopos* command in a command line.

### Binary Package

Execute *sh start.sh*.

In linux you first need to add execution permissions to the files *start.sh* and *configure.sh* to do this execute the following commands:

```
chmod +x start.sh
chmod +x configure.sh
```

## On MacOSX

Open the Apple Terminal (located at: */Applications/Utilities*) and go with the command line to the location the *start.sh* file is located. Then execute *sh start.sh*.

## Localization packages installation

If you want to have uniCenta oPOS in your language you need first to download the localization package suitable for your language. The list of available localization packages and where to download is maintained in the [Openbravo POS localization guide](#).

Localization packages are very simple to install, just uncompress the localization package in the same folder uniCenta oPOS is installed and restart the application.

## Database installation

Once uniCenta oPOS is installed you should decide whether you want to run uniCenta oPOS on the built-in engine or on any of the other database engines supported. uniCenta oPOS supports five database engines: [Apache Derby](#), [MySQL](#), [PostgreSQL](#), [Oracle](#) and [HSQLDB](#).

uniCenta oPOS 2.30 uses by default the Apache Derby database for data storage. Apache Derby is bundled with the binary package of uniCenta oPOS and offers the advantage that it doesn't have to be configured, and it is reliable and robust enough for most requirements.

### Apache Derby

uniCenta oPOS is distributed with the embedded library of Apache Derby so if you plan to use Apache Derby in embedded mode you do not need to download or install anything. But if you want to use Apache Derby in client/server mode you need to download and install the full distribution of Apache Derby available from the [Apache Derby web site](#)

An example of a database configuration using Apache Derby as database engine in embedded mode is:

```
Driver library: derby.jar
Driver class: org.apache.derby.jdbc.EmbeddedDriver
URL: jdbc:derby:/home/myuser/unicentaopos-database;create=true
User: yourname
Password: yourpass
```

And in client / server mode:

```
Driver library: derbyclient.jar
Driver class: org.apache.derby.jdbc.ClientDriver
URL: jdbc:derby://localhost:1527/unicentaopos-database;create=true
User: yourname
Password: yourpass
```

## MySQL

### On Windows

Download [MySQL server](#) (*essentials* package recommended) and install it.

Download [MySQL Connector/J](#), unzip the contents and place it in the same folder where uniCenta oPOS resides.

Alternatively you can install MySQL Administrator and MySQL Query Browser [MySQL GUI Tools Downloads](#).

## On Ubuntu

Activate the universe repository and run following commands in a terminal:

```
sudo apt-get install mysql-server libmysql-java
```

You can also install MySQL Administrator and MySQL Query Browser:

```
sudo apt-get install mysql-admin mysql-query-browser
```

Connector/J is on `/usr/share/java/mysql.jar`. You can copy or link it to uniCenta oPOS folder.

## Usage

Create an user and a database.

You can check [MySQL documentation](#).

An example of a database configuration using MySQL as database engine is:

```
Driver library: mysql-connector-java-3.1.6-bin.jar
Driver class: com.mysql.jdbc.Driver
URL: jdbc:mysql://localhost:3306/unicentaopos
User: yourname
Password: yourpass
```

Note: if you copy/paste these values, make sure you do not have a blank space at the end of each string, i.e. "com.mysql.jdbc.Driver ", this will cause an error when executing uniCenta oPOS.

## PostgreSQL

To use uniCenta oPOS with PostgreSQL you must have a PostgreSQL server running and the JDBC driver for PostgreSQL.

## On Windows

Download the server [PostgreSQL download](#) and install it.

Download the JDBC driver [PostgreSQL JDBC Driver](#) according to your version and install it.

You can also install the PostgreSQL administration tool [pgAdminIII](#).

## On Ubuntu

Ensure you have the universe repository activated and run following commands in a terminal:

```
sudo apt-get install postgresql-8.2 libpg-java
```

You can also install the administrator tool pgAdmin3:

```
sudo apt-get install pgadmin3
```

The JDBC lib is on `/usr/share/java/postgresql.jar`. You can copy or link it to uniCenta oPOS folder.

## Usage

After the database server is installed and running you have to create an empty database for uniCenta oPOS and a database user with privileges to connect to this database. You can check [PostgreSQL documentation](#).

An example of a database configuration using PostgreSQL as database engine is:

```
Driver library: /usr/share/java/postgresql-8.0.309.jdbc3.jar
Driver class: org.postgresql.Driver
URL: jdbc:postgresql://localhost:5432/openbravopos
User youruser
Password: youpass
```

## Oracle

To use uniCenta oPOS with Oracle you must have an Oracle server running and the JDBC driver for Oracle.

## On Windows

Download and install [Oracle XE](#) and the [JDBC Driver](#).

You can also install to administer and query the database [Oracle JDeveloper](#).

## On Ubuntu

Download and install [Oracle XE](#) and the [JDBC Driver](#).

You can also install to administer and query the database [Oracle JDeveloper](#).

## Usage

After the database server is installed and running you have to create an empty database for uniCenta oPOS and a database user with privileges to connect to this database.


An example of database configuration is:

```
Driver library: ojdbc14.jar
Driver class: oracle.jdbc.driver.OracleDriver
URL: jdbc:oracle:thin:@localhost:1521:xe
User youruser
Password: youpass
```

## Configuration

To configure uniCenta oPOS go to the configuration panel or run the file configuration.bat in windows or configuration.sh in linux. *Please be aware that once you restart uniCenta oPOS, it will tell you that your database is empty and will offer you to create tables for your new database.* Click the yes button to allow uniCenta oPOS to create the tables for you

## Database configuration

<b>Driver library</b>	<input type="text" value="/usr/share/java/mysql-connector-java-5.1.5.jar"/>	
<b>Driver class</b>	<input type="text" value="com.mysql.jdbc.Driver"/>	
<b>URL</b>	<input type="text" value="jdbc:mysql://localhost:3306/openbravopos"/>	
<b>User</b>	<input type="text" value="user"/>	
<b>Password</b>	<input type="password" value="••••"/>	

uniCenta oPOS configuration.

The properties related to the database configuration are:

**Driver library**

Is the file provided by the database engine vendor that contains the JDBC driver that allows Java programs to communicate with the database. It's usually a file with extension *.jar*.

**Driver class**

Is the java class name that implements the JDBC driver. This name is also defined by the database engine vendor.

**URL**

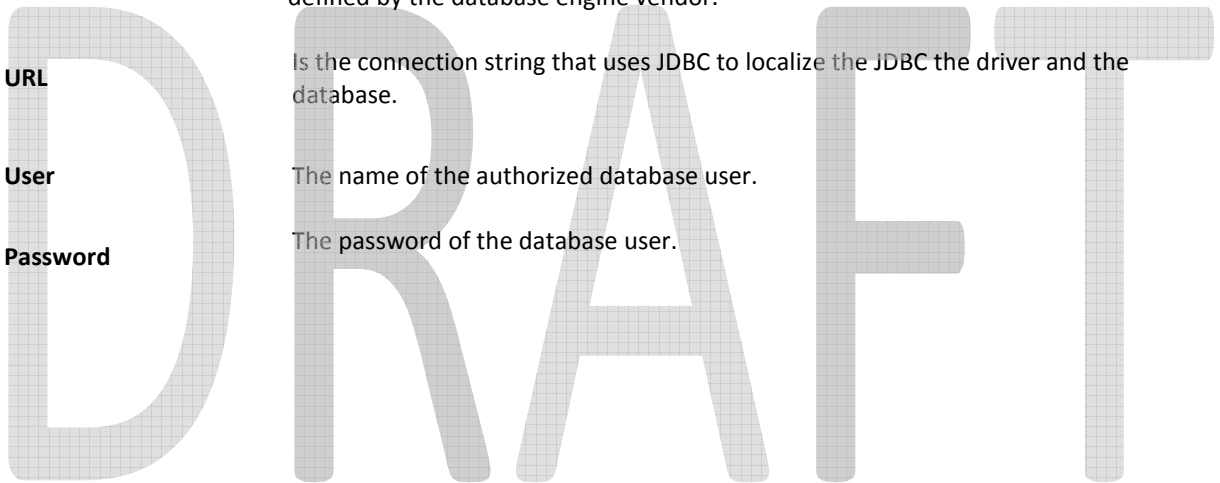
Is the connection string that uses JDBC to localize the JDBC the driver and the database.

**User**

The name of the authorized database user.

**Password**

The password of the database user.



## Cash register

Property	Value
Name	por0825
Skin	Metal
Screen	window
Tickets	restaurant
Customer display	screen
Printer	screen
Printer 2	Not defined
Printer 3	Not defined
Scale	Not defined
Scanner	Not defined
Reports printer	tsp650

Receipt printer

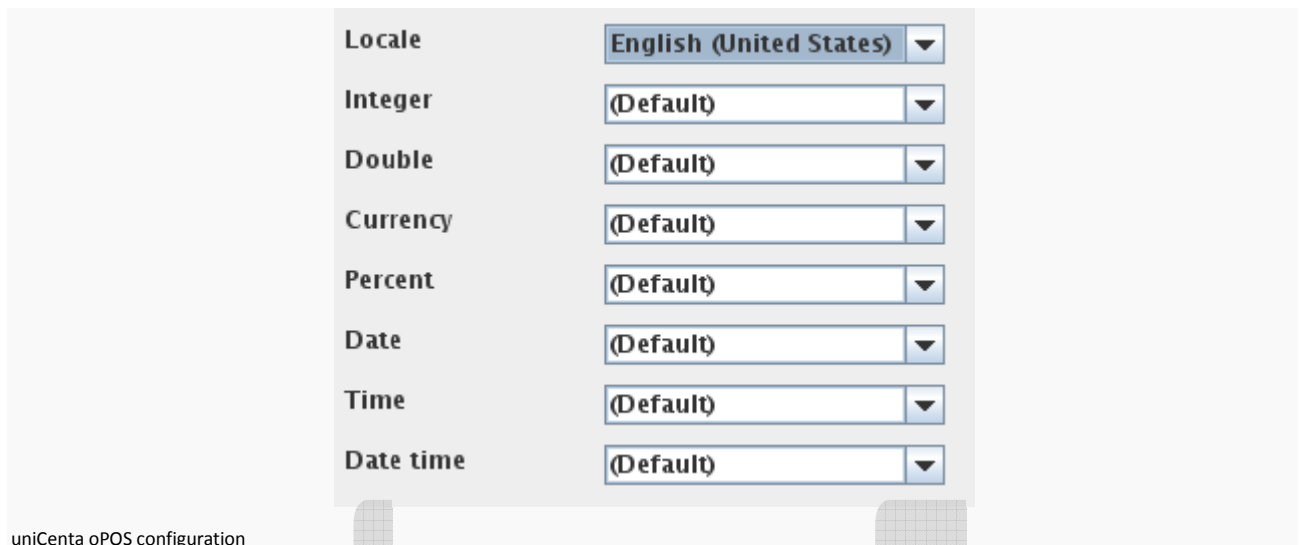
uniCenta oPOS configuration

The properties related to the register cash panel are:

<b>Name</b>	is the name of the cashier.
<b>Skin</b>	provides a few themes which change the look of uniCenta oPOS.
<b>Screen</b>	sets if the application should be in a fullscreen or just in window mode.
<b>Tickets</b>	sets in which mode uniCenta oPOS works. At the present day the following : are available: Simple, Standard or Restaurant.
<b>Customer Display</b>	sets the way how a customer should see the last ordered item.
<b>Printer</b>	is the main printer.
<b>Printer2</b>	is an additional printer that could print something additional i.e. an order in a kitchen or in a bar.
<b>Printer3</b>	is an additional printer that could print something additional i.e. an order in a kitchen or in a bar.
<b>Scale</b>	sets scales to weigh products.
<b>Scanner</b>	sets a barcode scanner to read barcodes
<b>Reports Printer</b>	is a printer that prints reports.
<b>Receipt printer</b>	this box must be checked if the Reports Printers is a receipt printer

## Locale

Here the language of the application is defined. You can define a format of the values displayed like dates, currencies, numbers...



Locale	English (United States)
Integer	(Default)
Double	(Default)
Currency	(Default)
Percent	(Default)
Date	(Default)
Time	(Default)
Date time	(Default)

uniCenta oPOS configuration

### Locale

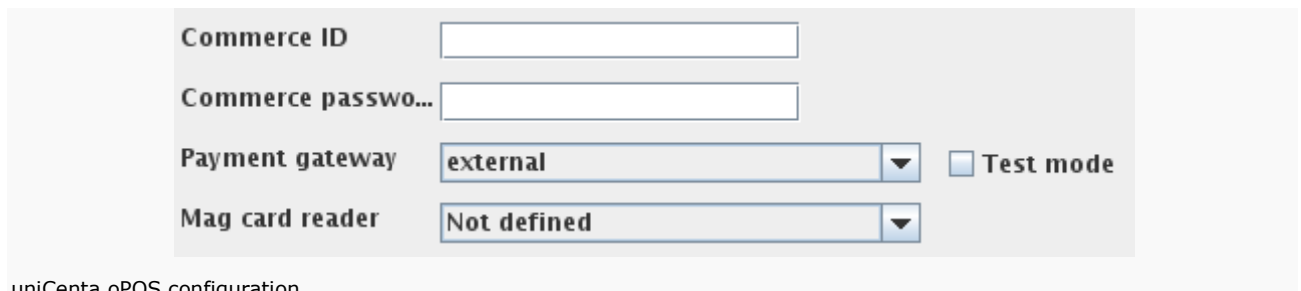
You select the language and the country of the application. This selection determines also the default format for currency values and the currency symbol, the default format for dates, times and numeric values.

### Integer, Double, Currency, Percent, Date, Time and Date time

Here you can overwrite the default type format for each value type defined by the selected Locale. This pattern format follows the specification of the Java platform.

## Payment

You can set a payment gateway to provide a possibility for customers to pay by credit/debit card. At the present day uniCenta oPOS supports Authorize.Net and SecPay.



Commerce ID	<input type="text"/>
Commerce passwo...	<input type="password"/>
Payment gateway	external <input type="checkbox"/> Test mode
Mag card reader	Not defined

uniCenta oPOS configuration

The properties related to the payment configuration are:

- |                          |   |
|--------------------------|---|
| <b>Commerce ID</b>       | Your ID that you get when you register in a payment gateway provider. |
| <b>Commerce password</b> | Your password to your Commerce ID.                                    |
| <b>Payment gateway</b>   | sets the provider that you register in.                               |
| <b>Mag card reader</b>   | sets a device that reads cards  |

**Notes:**

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