

# Oracle® Retail Lucas

Release Note

Release 2.9.5.1 (Build 49) -

February 2016

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This release note contains information on the Release 2.9.5.1 (Build 49) release of Oracle Retail Lucas.

## Overview

MICROS Lucas is an integrated ARTS-based (Association of Retail Technology Standards) point of sale solution providing grocery, fashion and hardlines functionality. Lucas serves both the mid-size and large retailers in these segments.

## Prerequisites

The following are prerequisites.

## Supported Platforms

Release 2.9.5.1 (Build 49) is supported on the following platforms:

**Table 1** *Supported Platforms*

Operating System	Comments
Windows 7	Service Pack 1 required.
PosReady 7	
Windows Server 2008 R2	Service Pack 1 required.
Windows Server 2012 R2	
Linux	Generally supported. Specific Linux distributions need to be evaluated individually. No standard Linux recommendation can be given here.

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**Note:** Older operating systems other than those specified above are no longer supported. These include Windows XP, Windows 2000 Server and Windows Server 2003

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## Additional System Requirements

To install and run the Lucas Release it is necessary to install a set of software as a prerequisite on the system:

**Table 2 Additional System Requirements**

Required Application	Supported Versions	Comments
Database	Microsoft SQL Server 2008 R2 SP2 Microsoft SQL Server 2012 SP1 Microsoft SQL Server 2014 SP1 PostgreSQL 9.2.x PostgreSQL 9.3.x	Microsoft SQL Server compatibility is verified for Express Edition  <b>Restriction:</b> PostgreSQL is not approved for use on a Lucas Headquarter. The use is restricted to Backoffice and POS systems.
Java	Oracle Java 7 32bit/64bit Oracle Java 8 32bit/64bit	Restriction: 64bit drivers are not available for all peripheral hardware devices  Java 6 is not supported any more.
Cygwin	Version 2.2.1 minimum	Required components: <ul style="list-style-type: none"> <li>■ OpenSSH</li> <li>■ rsync</li> <li>■ zip</li> <li>■ unzip</li> <li>■ dos2unix</li> <li>■ shutdown</li> </ul>
Webserver	Apache Tomcat 8	Only required for Webstart functionality

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**Note:** When using a 64bit JVM it is required to increase the MaxPermSize in installer.properties of Lucas.

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**Note:** Special configuration is necessary for some of the mentioned software components. Without this configuration the installation of LUCAS might fail. Contact Oracle support for detailed information and assistance.

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## Hardware Reference List

This is not a complete list of all supported hardware. It is to serve as a reference for setting up a full POS system with supported hardware.

**Table 3 Hardware Reference List**

Equipment	Possible Hardware
Register / PC	HP RP 580 Toshiba SurePos 500
Receipt Printer	Epson TM-T88V
Scanner	Motorola DS4208 PSC QS 6000 Plus

**Table 3 (Cont.) Hardware Reference List**

Equipment	Possible Hardware
Cash Drawer	ADS Anker
Customer Display	Epson D-105
Touch Screen	Elo Touch
EFT Terminal	Ingenico iPP480

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**Note:** Specific hardware setup combinations need to be evaluated individually.

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## Java POS

Peripheral hardware devices are generally integrated via JavaPOS. It might be necessary to install the corresponding JavaPOS package for the selected hardware device (e.g. Toshiba JavaPOS 1.14, Epson JavaPOS 1.14.1, Wincor JavaPOS 1.13.x).

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**Note:** For Wincor JavaPOS 1.13.x there are restrictions considering OS, databases and Java versions, which should be clarified with the vendor.

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## Fixed Issues/Defects

The following defects have been fixed since the last release.

Defect	Description
92360	MDP + XIS stops while importing a store on CSMS.  As a workaround the statement query timeout is now set each time the update method is called. In addition the MSSQL feature SNAPSHOT_ISOLATION_STATE has been activated. Therefore reading access to the database can be handled by snapshots and do not completely block a table.
92564	Re-lock a transaction might fail due to session start time rounding problem on MS SQL Server platforms. As a workaround Session start and end time are now rounded to the nearest second.  Before they had milliseconds precision. This could cause problems on systems which stored these time stamps using MS SQL Server and later compared the restored with the original value. This is because MS SQL Server stores time stamps rounded to 0, 3 or 7 milliseconds. This was causing problems when comparing back to the original value.
91832	Store creation not possible anymore.  The bug that has now been corrected sometimes caused a deadlock on creating a new store in the enterprise structure.

## Technical Enhancements

### Network Shares

The use of network shares is no longer required to run LUCAS.

# Performance Enhancements

## Configuration Repository Service

The configuration data is now managed by an encapsulated service accessible by applications through an interface. This service can apply caching while synchronizing access between different applications. Both performance and consistency are enhanced.

## Updating of Components

Specific components have been updated. An update cycle for integrated libraries has been introduced. Some proprietary components have been replaced by standard components provided by the underlying operating system and Cygwin (Windows only).

## Update Framework

The LUCAS update framework has been reworked to enhance robustness, performance and maintainability. Using the new framework to update from version 2.9.5.0.4 and higher is supported. Updating from older versions needs to be evaluated individually and it might be necessary to use the old framework to update to the current version.

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