License Guide

Oracle FLEXCUBE Universal Banking

Release 12.0.2.0.0

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Licensing Guide
April 2016
Oracle Financial Services Software Limited

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1. Preface

1.1 Introduction

This document helps you understand the guiding rules for Oracle FLEXCUBE Universal Banking licensing, the components included in the license and the units that are separately licensed.

This document also provides information on the third party software that are packaged with Oracle FLEXCUBE Universal Banking.

1.2 Audience

This document is intended for the following audience:

- Customers
- Partners

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

1.4 Organization

This manual is organized into the following chapters:

Chapter 1	*Preface* gives information on the intended audience. It also lists the various chapters covered in this license guide.
Chapter 2	*Oracle FLEXCUBE Universal Banking Licensing* provides information on Oracle FLEXCUBE Universal Banking licensing.
Chapter 3	*Software Pre-requisites* consists of the technology pre-requisites required for Oracle FLEXCUBE Universal Banking.
Chapter 4	*Third Party Licenses* provides information on licensing of third party software that are packaged with Oracle FLEXCUBE Universal Banking.

1.5 Related Documents

For more information, refer to the following documents:

- End user license agreement
- Oracle FLEXCUBE User Manuals

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2. Oracle FLEXCUBE Universal Banking Licensing

2.1 Introduction

This chapter provides information on Oracle FLEXCUBE Universal Banking licensing. It contains the following sections:

- General licensing rules
- Components included in the license
- Separately licensed pre-requisite products and licensing metric
- Restricted use license

2.2 General Licensing Rules

Oracle FLEXCUBE Universal Banking has 14 modules that can be licensed by either account metric or by application user metric.

The following table lists out the modules which are primarily retail or corporate. The licensing rule against each of them defines how these modules would get licensed based on the usage of the bank.

SI. No.	Module Description	Licensing Rule(s)
Retail Modules		
1	FLEXCUBE Universal Banking Current Accounts and Savings Accounts	If the customer is using Universal Banking for Retail programs, these applications may only be licensed by the Account metric. However, if the customer is using Universal Banking for Corporate, and is not using Universal Banking for Retail, then a customer may license these programs under the Application User metric.
2	FLEXCUBE Universal Banking Payments and Collections	
3	FLEXCUBE Universal Banking Standing Instructions	
4	FLEXCUBE Universal Banking Collections	
5	FLEXCUBE Universal Banking Loans*	
6	FLEXCUBE Universal Banking Account Origination	
7	FLEXCUBE Universal Banking Retail Loan Origination	

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1 FLEXCUBE Universal Banking Loans module is available as (i) FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans, licensable by the Account metric, in the Enterprise Price List; and as (ii) FLEXCUBE Universal Banking Commercial Loans, licensable by the Application User metric, in the Component Price List.

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Sl. No.	Module Description	Licensing Rule(s)
Corporate Modules		
8	FLEXCUBE Universal Banking Funds Transfer	If the customer is using Universal Banking for Corporate programs, these applications may only be licensed by the Application User. However, if the customer is using Universal Banking for Retail, and is not using Universal Banking for Corporate, then a customer may license these programs under the Account metric.
9	FLEXCUBE Universal Banking Electronic Messaging Service	
10	FLEXCUBE Universal Banking Nostro Reconciliation	
11	FLEXCUBE Universal Banking Cash Management	
12	FLEXCUBE Universal Banking Commercial Leasing	
13	FLEXCUBE Universal Banking Integration Gateway	
14	FLEXCUBE Universal Banking Commercial Loans Origination	

2.3   <u>Components Included in License</u>

The following components are included in the Oracle FLEXCUBE Universal Banking license:

1. **Limits & Collateral Management**: is embedded within FLEXCUBE Universal Banking Base license for specific use within Oracle FLEXCUBE Universal Banking.

2. **Signature Verification**: is included with FLEXCUBE Universal Banking Current Accounts and Savings Accounts license

3. **Utility Payments**: is included with FLEXCUBE Universal Banking Branch license

4. **Islamic Banking Support**: The following FLEXCUBE Universal Banking module licenses have support for Islamic Banking.
    – FLEXCUBE Universal Banking Base
    – FLEXCUBE Universal Banking Asset Management
    – FLEXCUBE Universal Banking Bills and Collection
    – FLEXCUBE Universal Banking Cash Management
    – FLEXCUBE Universal Banking Collections
    – FLEXCUBE Universal Banking Current Accounts and Savings Accounts
    – FLEXCUBE Universal Banking Fixed Assets
    – FLEXCUBE Universal Banking Letters of Credit
    – FLEXCUBE Universal Banking Money Markets
    – FLEXCUBE Universal Banking Relationship Pricing
    – FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans
    – FLEXCUBE Universal Banking Retail Loan Origination
    – FLEXCUBE Universal Banking Swaps and Forward Rate Agreements
    – FLEXCUBE Universal Banking Term Deposits

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2.4 Separately Licensed Pre-requisite Products and Licensing Metric

The module wise list of separately licensed products and the licensing metric is given below.

For other separately licensable software pre-requisites, refer to the section Software Pre-requisites.

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
FLEXCUBE Universal Banking Base	• FLEXCUBE Development Workbench for Universal Banking	• Application User • Custom Suite User • Account
FLEXCUBE Universal Banking Current Accounts and Savings Accounts	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
FLEXCUBE Universal Banking Relationship Pricing	• FLEXCUBE Universal Banking Base • Either FLEXCUBE Universal Banking Current Accounts & Savings Accounts OR FLEXCUBE Universal Banking Term Deposits	• Account
FLEXCUBE Universal Banking Term Deposits	• FLEXCUBE Universal Banking Base	• Account
FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	• FLEXCUBE Universal Banking Base	• Account
FLEXCUBE Universal Banking Payments and Collections	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
FLEXCUBE Universal Banking Funds Transfer	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
FLEXCUBE Universal Banking Electronic Messaging Service	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
FLEXCUBE Universal Banking Nostro Reconciliation	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
FLEXCUBE Universal Banking Standing Instructions	● FLEXCUBE Universal Banking Base	● Application User ● Custom Suite User ● Account
FLEXCUBE Universal Banking Cash Management	● FLEXCUBE Universal Banking Base	● Application User ● Custom Suite User ● Account
FLEXCUBE Universal Banking Branch	● FLEXCUBE Universal Banking Base	● Account
FLEXCUBE Universal Banking ATM Interface	● FLEXCUBE Universal Banking Base	● Account
FLEXCUBE Universal Banking Point of Sale Interface	● FLEXCUBE Universal Banking Base	● Account
FLEXCUBE Universal Banking Interactive Voice Response Interface	● FLEXCUBE Universal Banking Base	● Account
FLEXCUBE Universal Banking Mortgages	● FLEXCUBE Universal Banking Base	● Account
FLEXCUBE Universal Banking Consumer Leasing	● FLEXCUBE Universal Banking Base	● Account
FLEXCUBE Universal Banking Commercial Leasing	● FLEXCUBE Universal Banking Base	● Application User ● Custom Suite User ● Account
FLEXCUBE Universal Banking Inventory Management	● FLEXCUBE Universal Banking Base ● FLEXCUBE Universal Banking Current Accounts & Savings Accounts	● Account
FLEXCUBE Universal Banking Collections	● FLEXCUBE Universal Banking Base	● Application User ● Custom Suite User ● Account

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
FLEXCUBE Universal Banking Microfinance	• FLEXCUBE Universal Banking Base • FLEXCUBE Universal Banking Current Accounts and Savings Accounts • FLEXCUBE Universal Banking Term Deposits • FLEXCUBE Universal Banking Retail and Small and Medium Enterprise Loans	• Account
FLEXCUBE Universal Banking Safe Deposit Box	• FLEXCUBE Universal Banking Base	• Account
FLEXCUBE Universal Banking Corporate Deposits	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Commercial Loans	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Loan Syndication	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Bills & Collection	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Letters of Credit	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Foreign Exchange	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Money Markets	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Swaps and Forward Rate Agreements	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Exchange Traded Derivatives for Commodities Futures and Options	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Exchange Traded Derivatives for Currency Futures and Options	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Exchange Traded Derivatives for Interest Rate Futures and Options	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Over the Counter Currency Options	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Over the Counter Interest Rate Options	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Securities	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User
FLEXCUBE Universal Banking Fixed Assets	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)

FLEXCUBE Universal Banking Asset Management	• FLEXCUBE Universal Banking Base and EITHER of the below modules
	
	  – FLEXCUBE Universal Banking Securities
	
	  – FLEXCUBE Universal Banking Exchange Traded Derivatives for Interest Rate Futures and Options,
	
	  – FLEXCUBE Universal Banking Exchange Traded Derivatives for Currency Futures and Options
	
	  – FLEXCUBE Universal Banking Exchange Traded Derivatives for Equity and Index Futures and Options
	
	  – FLEXCUBE Universal Banking Exchange Traded Derivatives for Commodities Futures and Options
	
	  – FLEXCUBE Universal Banking Over the Counter Currency Options
	
	  – FLEXCUBE Universal Banking Over the Counter Interest Rate Options
	
	  – FLEXCUBE Universal Banking Swaps and Forward Rate Agreements
		• Application User
		• Custom Suite User

FLEXCUBE Universal Banking Expense Processing	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Universal Banking Origination		
FLEXCUBE Universal Banking Account Origination	• FLEXCUBE Universal Banking Base • FLEXCUBE Universal Banking Current Accounts & Savings Accounts	• Application User • Custom Suite User • Account
FLEXCUBE Universal Banking Term Deposits Origination	• FLEXCUBE Universal Banking Base • FLEXCUBE Universal Banking Term Deposit	• Account
FLEXCUBE Universal Banking Letters of Credit Origination	• FLEXCUBE Universal Banking Base • FLEXCUBE Universal Banking Letters of Credit	• Application User • Custom Suite User
FLEXCUBE Universal Banking Retail Loan Origination	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
FLEXCUBE Universal Banking Commercial Loans Origination	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account
Oracle FLEXCUBE Open Development Tools		
FLEXCUBE Development Workbench for Universal Banking	• FLEXCUBE Universal Banking Base	• Application User
FLEXCUBE Testing Workbench for Universal Banking	• FLEXCUBE Universal Banking Base	• Application User
Oracle FLEXCUBE Interfaces and Tools		
FLEXCUBE Universal Banking Integration Gateway	• FLEXCUBE Universal Banking Base	• Application User • Custom Suite User • Account • Processor
FLEXCUBE Universal Banking Connector for Oracle Identity Manager	• FLEXCUBE Universal Banking Base	• Connector

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Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle FLEXCUBE Information Server		
FLEXCUBE Information Server Base for Universal Banking	• FLEXCUBE Universal Banking Base	• Account
FLEXCUBE Information Server Retail Liabilities Data Mart for Universal Banking	• FLEXCUBE Information Server Base for Universal Banking • FLEXCUBE Universal Banking Current Accounts and Savings Accounts • FLEXCUBE Universal Banking Term Deposits	• Account
FLEXCUBE Information Server Retail Assets Data Mart for Universal Banking	• FLEXCUBE Information Server Base for Universal Banking • FLEXCUBE Universal Banking Current Accounts and Savings Accounts • FLEXCUBE Universal Banking Retail and Small and Medium Enterprises Loans	• Account

2.5   Restricted Use License

Not applicable for the FLEXCUBE Universal Banking Products.

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3. Software Pre-requisites

Following are the separately licensable software pre-requisites for Oracle FLEXCUBE Universal Banking Products.

3.1 Software pre-requisites

Component	Deployment option	Machine	Operating System	Software	Version
Oracle FLEX-CUBE Universal Banking	UI-Host and centralized	Application server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle WebLogic Server 11g R1 (with Oracle Jrockit JVM 1.6.0_45-R28.2.7-4.1.0)	10.3.6
				Oracle JRockit JDK (with WebLogic Application Server)	1.6.0_45-R28.2.7-4.1.0
				Open Symphony Quartz	2.1.7
				IBM websphere Application Server with inbuilt JVM (IBM JDK)	8.5
				IBM Websphere MQ Server	7.5
				Oracle TopLink (for ELCM)	11.1.1.6.0
				Oracle WebCenter Imaging	11.1.1.7.0
				Apache HTTP Server	2.2.25
		Database Server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle 11g R2 RDBMS Enterprise Edition	11.2.0.3.0

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Compone nt	Deploym ent option	Machine	Operating System	Software	Version
		Report- ing Server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle BI Pub- lisher 11g	11.1.1.7.0
		FLEX- CUBE Informa- tion server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle Business Intelligence Enter- prise Edition 11g (OBIEE)	11.1.1.7.0
		Single Sign On Server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	JDK 1.6	1.6.0_39
				Weblogic	10.3.5
				RCU Utility (Win- dows)	11.1.1.5
				Oracle Identity Management	11.1.1.5
				Oracle SOA	11.1.1.5
				Oracle Identity And Access Manage- ment	11.1.1.5
				Oracle Webtier Util- ities	11.1.1.6
				Oracle Webtier Util- ities Patch	p14264658
				Oracle Webgate	11.1.1.5
				OID Connector [File Name: OID_904140.zip]	9.0.4.14
	UI Decen- tralized branch	Branch Applica- tion Server - Decen- tralized	Windows Server 2008 R2	Apache Tomcat	7.0.41

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Component	Deployment option	Machine	Operating System	Software	Version
		Database Branch for Decentralized mode	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle 11g R2 RDBMS Enterprise Edition	11.2.0.3.0
Oracle FLEX-CUBE Universal Banking BPEL/ BPMN Pro-cesses and Pro-cess Frame-work	UI	Applica-tion server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle WebLogic Server 11g R1 (with Oracle Jrockit JVM 1.6.0_45-R28.2.7-4.1.0)	10.3.6
				Oracle Repository Creation Utility (RCU) - To create SOA related schemas for BPEL	11.1.1.7
				Oracle SOA Suite 11gR1, Oracle BPM Suite 11gR1	11.1.1.7
Oracle FLEX-CUBE Universal Banking Integra-tion Gate-way	Web ser-vices (incoming)	Integra-tion Server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle WebLogic Server 11g R1 (with Oracle Jrockit JVM 1.6.0_45-R28.2.7-4.1.0)	10.3.6
	HTTP Servlet (incoming)			IBM websphere Application Server withinbuilt JVM (IBM JDK)	8.5
	EJB (incoming)				
	MDB (incoming)	Integra-tion Server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle WebLogic Server 11g R1 (with Oracle Jrockit JVM 1.6.0_45-R28.2.7-4.1.0)	10.3.6
				IBM Websphere MQ Server	7.5

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Compone nt	Deploym ent option	Machine	Operating System	Software	Version
	Notifica-tions (outgoing)	Integra-tion Server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle WebLogic Server 11g R1 (with Oracle Jrockit JVM 1.6.0_45-R28.2.7-4.1.0)	10.3.6
				IBM Websphere MQ Server	7.5
Oracle FLEX-CUBE Universal Banking Switch Integration Gateway	Switch Integra-tion Gateway	Integra-tion Server	Oracle Enterprise Linux Server 6.4 (x86 64 Bit)	Oracle JRockit JDK	1.6.0_45-R28.2.7-4.1.0
				Apache Ant	1.7.1

3.2   Module-wise software pre-requisites

Product Name	Product Version	Requirements
Oracle Jdeveloper	11.1.1.7.0	Optional – Required only if Origina-tions are licensed
Oracle WebCenter Imaging	11.1.1.7.0	Optional - Required only if Docu-ment Management System (DMS) integration is required.
Oracle Weblogic Server	10.3.6.0	Optional - Oracle FLEXCUBE sup-ports both Weblogic and Web-sphere
Oracle JRockit- JDK	1.6.0	Standard FLEXCUBE requirement
Oracle SOA Suite	11.1.1.7.0	Optional – Required only if Origina-tions are licensed
Oracle BPM suite	11.1.1.7.0	Optional – Required only if Origina-tions are licensed
Oracle Business Intelligence Publisher	11.1.1.7.0	Standard FLEXCUBE requirement
Oracle Identity and Access Management	11.1.1.5.0	Optional – Only if SSO is required

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Product Name	Product Version	Requirements
Oracle identity Management	11.1.1.5.0	Optional – Only if SSO is required
Oracle Repository Creation Utility	11.1.1.5.0	Optional – Required only if Originations are licensed
Oracle Business Intelligence Enterprise Edition	11.1.1.7.0	Optional - Required only if FLEX-CUBE Information Server is installed or if metadata repository based adhoc reporting is needed.

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4. Third Party Licenses

4.1   Introduction

This chapter provides information on licensing of third party software that are packaged with Oracle FLEXCUBE Universal Banking. It contains the following sections:

- Apache License 2.0
- Apache License 1.1
- GNU Lesser General Public License 2.1
- MIT License
- BSD-Style License
- Third Party Libraries

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Apache License

Version 2.0, January 2004

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- commons-collections.jar
- commons-dbcp-1.2.1.jar
- commons-fileupload-1.2.jar
- commons-httpclient-3.0.jar
- commons-logging-1.0.4.jar
- commons-pool-1.2.jar
- commons-net-2.0.jar
- commons-transaction-1.2.jar
- poi-3.8-20120326.jar
- poi-ooxml-3.8-20120326.jar
- poi-ooxml-schemas-3.8-20120326.jar
- Quartz 2.1.7.jar
- resolver.jar
- serializer2.7.0.jar
- xalan.jar
- commons-codec-1.2.jar
- commons-io-1.3.jar
- xercesImpl.jar
- xml-apis.jar
- log4j1.2.16.jar
- xmlbeans-2.3.0.jar
- pjl-comp-filter-1.7
- Ant 1.7.1

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4.7.2 Apache 1.1

The following libraries include software developed by The Apache Software Foundation (http://www.apache.org/).

For license information, see "Apache License 2.0" on page 4-1.

- commons-discovery-0.2.jar

4.7.3 Lesser General Public License 2.1

You are receiving a copy of the Swing Layout in both source and object code in the JAR swing-layout-1.0.4.jar. The terms of the Oracle license do NOT apply to the Swing Layout program. It is licensed under the following license, separately from the Oracle programs you receive. If you do not wish to install this program, you may remove the swing-layout-1.0.4.jar file from the application.

For license information, see "GNU Lesser General Public License 2.1" on page 4-6.

- swing-layout-1.0.4.jar

4.7.4 MIT License

The below libraries includes software developed by SLF4J (http://www.slf4j.org/).

For license information, *see "MIT License" on page 4-13*.

- slf4j-api-1.6.1.jar
- slf4j-log4j12-1.6.1.jar

4.7.5 BSD-Style License

DOM4J is a registered trademark of MetaStuff, Ltd. (http://www.dom4j.org)

For license information, *see "BSD-Style License" on page 4-14*.

- dom4j-1.6.1.jar

The below library includes software developed by The Yahoo (http://developer.yahoo.com/yui).

For license information, *see "BSD-Style License" on page 4-14*.

- yuicompressor-2.4.7.jar

The below libraries includes software developed by Ben Litchfield (newer versions are in Apache)

For license information, *see "BSD-Style License" on page 4-14*.

- FontBox-0.1.0.jar
- PDFBox-0.7.3.jar

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