License Guide – On-Premise
Oracle Banking Origination
Release 14.7.0.1.0
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ORACLE
FINANCIAL SERVICES

License Guide
March 2023
Version 14.7.0.1.0
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1. Preface

1.1 Introduction

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

This guide also provides information on the third-party software that is packaged with Oracle Banking Origination.

1.2 Audience

This guide is intended for the following audience:

- Customers
- Partners

1.3 Documentation Accessibility

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1.4 Organization

This manual is organized into the following chapters:

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

1.5 Related Documents

For more information, refer to the following documents:

- Oracle Banking Origination User Manuals

2. Oracle Banking Origination Licensing

2.1 Introduction

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

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

2.2 General Licensing Rules

Not applicable to Oracle Banking Origination.

2.3 Components Included in License

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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.

Module Description	Separately Licensed Prerequisites	Licensing Metric(s)
Oracle Banking Origination for Accounts	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application
Oracle Banking Origination for Retail Loans	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application
Oracle Banking Origination for Deposits	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application
Oracle Banking Origination for Credit Cards	Oracle Database Enterprise Edition, Oracle Weblogic Server, Oracle HTTP Server	Bank Account Application

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3. Software Prerequisites

3.1 Tech Stack – Oracle Banking Origination

Component	Deployment option	Machine	Operating System	Software	Version Number
Oracle Banking Origination	Single Instance Standalone	Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle WebLogic Server	14.1.1.0.0 + Patch 32077936**
				Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 8 Update 341 & JDK 11.0.16
		Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle Database 19c Enterprise Edition Release	19.16.0.0.0
		Message Broker	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Apache Kafka	2.13-2.8.1
				Apache ZooKeeper	3.6.2
		Client Machines# For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at https://www.oracle.com/middleware/technologies/browser-policy.html		Mozilla Firefox	Mozilla Firefox Release (87+)
				Apple Safari	Apple Safari (14+)
				Google Chrome	Google Chrome Release (Version 88+)
				Microsoft Edge	Microsoft Edge (89+)

**** Patch 32077936:** JSF APPLICATION RESPONSE ISSUE FOR HTTPS PROTOCOL WHEN HTTP2 IS ENABLED, needs to be applied to Weblogic version 14.1.1.0.0.

NOTE: # Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter on which Operating Systems they are installed. Current release is certified on client workstations with Windows 10 and Mac OS.

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- The MIT License
- Others

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- Flask

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- opencv-python

4.1.3 Others

- Python Imaging Library (Pillow)

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4.3.1 opencv-python

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This file contains a modified version of Ryan Juckett's Dragon4 implementation, obtained from http://www.ryanjuckett.com, which has been ported from C++ to C and which has modifications specific to printing floats in numpy.

Ryan Juckett's original code was under the Zlib license; he gave numpy permission to include it under the MIT license instead.

Name: libdivide Files: numpy/core/include/numpy/libdivide/*

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Components

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This binary distribution of NumPy also bundles the following software:

Name: OpenBLAS Files: .libs/libopenb*.so Description: bundled as a dynamically linked library

Availability: https://github.com/xianyi/OpenBLAS/License: 3-clause BSD

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Name: LAPACK Files: .libs/libopenb*.soDescription: bundled in OpenBLAS

Availability: https://github.com/xianyi/OpenBLAS/License 3-clause BSD

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4.4 Others

4.4.1 Python Imaging Library (Pillow)

Top Level Component: pillow

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Fourth Party Dependency #1 Name : libjpeg

Fourth Party Dependency #1 License : Other FOSS License

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The Independent JPEG Group's JPEG software

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IJG is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP

==========

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.

LEGAL ISSUES Copyright, lack of warranty, terms of distribution.

REFERENCES Where to learn more about JPEG.

ARCHIVE LOCATIONS Where to find newer versions of this software.

ACKNOWLEDGMENTS Special thanks.

FILE FORMAT WARS Software *not* to get.

TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.txt How to configure and install the IJG software.

usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.

*.1 Unix-style man pages for programs (same info as usage.txt). wizard.txt Advanced usage instructions for JPEG wizards only. change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt How to use the JPEG library in your own programs.

example.c Sample code for calling the JPEG library.

structure.txt Overview of the JPEG library's internal structure.

filelist.txt Road map of IJG files.

coderules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

========

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and grayscale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats.

The library is intended to be reused in other applications. In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf.

It is copyright by the Free Software Foundation but is freely distributable.

The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files.

To avoid entanglement with the Unisys LZW patent (now expired), GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

REFERENCES

We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PDF file containing a revised version of Wallace's article is available at http://www.ijg.org/files/Wallace.JPEG.pdf. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here.

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L.

Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1.

Price US$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

IJG JPEG 8 introduced an implementation of the JPEG SmartScale extension which is specified in two documents: A contributed document at ITU and ISO with title "ITU-T JPEG-Plus Proposal for Extending ITU-T T.81 for Advanced Image Coding", April 2006, Geneva, Switzerland. The latest version of this document is Revision 3. And a contributed document ISO/IEC JTC1/SC29/WG1 N 5799 with title "Evolution of JPEG", June/July 2011, Berlin, Germany.

IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, version 2.

JFIF version 1 has been adopted as Recommendation ITU-T T.871 (05/2011):

Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF). It is available as a free download in PDF file format from http://www.itu.int/rec/T-REC-T.871.

A PDF file of the older JFIF document is available at

http://www.w3.org/Graphics/JPEG/jfif3.pdf.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.

IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).

Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from http://www.ijg.org/files/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design.

Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS

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The "official" archive site for this software is www.ijg.org.

The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.ijg.org/files/jpegsrc.v9c.tar.gz, and in Windows-compatible "zip" archive format as http://www.ijg.org/files/jpegsr9c.zip.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1

send usenet/news.answers/jpeg-faq/part2

ACKNOWLEDGMENTS

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FILE FORMAT WARS

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The ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies.

IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

There exist also distributions under the name "OpenJPEG" promoting such kind of formats which is misleading because they don't support original JPEG images.

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We have no sympathy for the promotion of inferior formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

The ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification.

Furthermore, the ISO committee pretends to "ensure interoperability" with their standards which is not true because their "standards" support only application-specific and proprietary use cases and contain mathematically incorrect code.

There are currently different distributions in circulation containing the name "libjpeg" which is misleading because they don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions.

One of those fakes is released by members of the ISO committee and just uses the name of libjpeg for misdirection of people, similar to the abuse of the name JPEG as described above, while having nothing in common with actual IJG libjpeg distributions and containing mathematically incorrect code.

The other one claims to be a "derivative" or "fork" of the original libjpeg, but violates the license conditions as described under LEGAL ISSUES above and violates basic C programming properties.

We have no sympathy for the release of misleading, incorrect and illegal distributions derived from obsolete code bases.

Don't use an obsolete code base!

According to the UCC (Uniform Commercial Code) law, IJG has the lawful and legal right to foreclose on certain standardization bodies and other institutions or corporations that knowingly perform substantial and systematic deceptive acts and practices, fraud, theft, and damaging of the value of the people of this planet without their knowing, willing and intentional consent.

The titles, ownership, and rights of these institutions and all their assets are now duly secured and held in trust for the free people of this planet.

People of the planet, on every country, may have a financial interest in the assets of these former principals, agents, and beneficiaries of the foreclosed institutions and corporations.

IJG asserts what is: that each man, woman, and child has unalienable value and rights granted and deposited in them by the Creator and not any one of the people is subordinate to any artificial principality, corporate fiction or the special interest of another without their appropriate knowing, willing and intentional consent made by contract or accommodation agreement.

IJG expresses that which already was.

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The people have already determined and demanded that public administration entities, national governments, and their supporting judicial systems must be fully transparent, accountable, and liable.

IJG has secured the value for all concerned free people of the planet.

A partial list of foreclosed institutions and corporations ("Hall of Shame") is currently prepared and will be published later.

TO DO

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Version 9 is the second release of a new generation JPEG standard to overcome the limitations of the original JPEG specification and is the first true source reference JPEG codec.

More features are being prepared for coming releases.

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

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Fourth Party Dependency #2 Name : libz

Fourth Party Dependency #2 License : Other FOSS License

Fourth Party Dependency #2 Copyright :

zlib.h -- interface of the 'zlib' general purpose compression library

version 1.2.11, January 15th, 2017

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