

Product Release Notes
Oracle FLEXCUBE Private Banking
Release 12.1.0.0.0
[April] [2016]

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1. Introduction

1.1 Purpose

Purpose of this Release Note is to highlight the components in this release of Oracle FLEXCUBE Private Banking 12.1.0.0.0

1.2 Background/Environment

Oracle FLEXCUBE Private Banking [FCPB] is a comprehensive tool that provides a single platform to record, track and manage the overall wealth of a customer, across a range of asset classes and instruments including Equity, Fixed Income, Mutual funds, Insurance, Real Estate, Collectibles like art, structured products, and so on.

The system is web-enabled and provides seamless access both to the customers as well as Relationship Managers and other staff. It has an open architecture to interface with multiple product processors that individually handle the respective products. Customers can be profiled and recommended model asset allocations based on risk profile, as well as research-based individual investment recommendations.

FCPB Release 12.1.0.0.0 is qualified on Oracle 12c Databases with web-application deployment on IBM Websphere 8.5.5.6 and Oracle WebLogic 12c application servers. The environment details on which the release is built is summarized in the table below:

Component	Deployment Option	Machine	Operating System	Software	Version
Oracle FLEXCUBE Private Banking	Oracle FLEXCUBE Private Banking	Application server	Linux Server 6.6 (x86 64 Bit)	Oracle WebLogic Server 12C (JDK 1.7 Update 80)	12.1.3.0.0
				Java HotSpot(TM) JDK (with WebLogic Application Server)	

Component	Deployment Option	Machine	Operating System	Software	Version
				IBM Websphere Application Server (With inbuilt JVM (IBM))	8.5.5.6
				IBM Websphere MQ Server	8.0.0.2
			Database Server	Oracle 12c RDBMS Enterprise Edition	12.1.0.2.0
				Oracle BI Publisher	11.1.1.7.0
			Client Machines	Windows XP SP3/	Internet Explorer 11
				Chrome	44.0.2403.155
				Safari	5.1.7
				Opera	31.0.1889.174
				Mozilla Firefox	34.0.5

1.3 Third Party Software Details

Vendor Name	Licensed Technology	Version
Apache	Commons IO	2.2
Apache	Commons NET Library (FTP)	3.3
Apache	Jakarta Commons Collections	3.2
Apache	Jakarta Commons Lang	3.1
Apache	Log4J	1.2.17
Apache	Velocity	1.7
Apache	cglib	2.1.3
Apache	commons-logging	1.1.1

Apache	dbcp (commons-dbcp-1.2.1.jar)	1.2.1
Apache	Xwork	2.3.20
Emory University	backport-util-concurrent	3.1
Mort Bay Consulting	Jetty	9.2.0
Jfree.org	JFreeChart	1.0.14
Joda.org	Joda Time	1.5.2
Terracotta, Inc.	Ehcache	1.2.4
The Apache Software Foundation	Commons HttpClient	3.1
OpenSymphony	Object-Graph Navigation Language (OGNL)	3.0.6
OpenSymphony	Quartz Enterprise Job Scheduler (quartz-all-1.6.0.jar)	1.6.0
Prototype Core Team	Prototype JS Library	1.6.0.3
SpringSource	Spring Security	3.2 - Copy of 16192
VMware	Spring Framework	4.0.4 (copy of 17651)
directwebremoting.org	DWR	2.0.1
Script.aculo.us	Script.aculo.us	1.9.0
VMware	spring-integration	2.0.5
java.net	spring-modules-cache	0.8.a
Apache	Tika	1.2
VMware	Spring Batch	2.1.8.RELEASE
The Apache Software Foundation	Struts core/spring-plugin	2.3.20
The Apache Software Foundation	Struts	2.3.20
Julius Davies	not-yet-commons-ssl	0.3.10
OpenSymphony	sitemesh	2.4.2
Webtoolkit	Webtoolkit-JavaScript(Sha2.js)	
Dynamic Drive	tabcontent.js	2
Prototype window	Window.js	1.3
Eclipse link	Eclipse link	2.5.2
Eclipse Foundation	AspectJ	1.5.3

1.4 Release Contents

Forward porting - Retrofit of 12.0.1 HDFC functionality + 12.0.3 UI Fixes + 12.0.3 SCB Demo Fixes into 12.1+12.1+Joint Holder Toggle View+IRIS Master Changes+MF Order Capture Validations
Relationship file interfacing with FC
Joint Customer Portfolio Display
TD Transaction interfacing with FC
RD transaction interfacing with FC
Insta Customer interfacing with FC
Debit and Credit interfacing with FC
Bulk delete of transactions
Online balance fetch from FC
Performance improvement changes
Kavy File Processing changes
CAMS File processing changes
portfolio Maintenance Changes
Reference Data interfacing with FC
SI Maintenance changes
Security Requirement
PASSWORD HASH NEEDS TO BE DE-OPTIMIZED
FCPB DEFAULT ADMIN USER PASSWORD CHANGES
MOVEMENT TO AES AND JCE FOR HASHING
MULTIPLE COMMENTS OBSERVED IN HTTP RESPONSES IN PAGES SERVED TO END USER
SENSITIVE INFORMATION IN BROWSER HISTORY(GET REQUEST)-GET REQUEST CHANGED TO POST
PASSWORD ENCRYPTION USING CERTIFICATE WHILE SENDING TO SERVER
EVAL FUNCTION -Params passed in EVAL function are validated
Hibernate to Toplink migration
Removed Hibernate related jars from classpath and put Eclipselink jar.
Removed/Replaced code lines which was using hibernate related classes to Eclipselink specific classes
Changing Sequence Generator for generating primary key of entities
Changed all Named parameter to index parameter in Native Query
Removed default version id from entities used to check optimistic lock

Changed IN parameter syntax in all corresponding JPQL queries
Changed Delete Orphan from Hibernate to orphanRemoval = true in eclipselink
Changed all index parameter in JPQL, earlier index was starting from zero and now in eclipse link index will start from one
Added @Temporal annotations for date and timestamp for all fields of then entities where it was missing.

1.5 Product Documentation

Oracle FLEXCUBE Private Banking [FCPB] is a comprehensive tool that provides a single platform to record, track and manage the overall wealth of a customer, across a range of asset classes and instruments including Equity, Fixed Income, Mutual funds, Insurance, Real Estate, Collectibles like Art, structured products, and so on.

2. Components of the Release

2.1 Documents accompanying the software

- Release Note
- Installation Manuals
- User Manuals

Note:

User Manuals and Installation Guide – This can be accessed from
http://docs.oracle.com/cd/E67273_01/homepage.htm .

2.2 Software Components

Software Components of FCPB product that form part of this release are as follows

- Java files (.class)
- Configuration files (.xml, .properties)
- Web files (.jsp, .js, .css, .gif, .html)
- Backend scripts and procedures (.sql)
- Report Files (.rtf, .xdo, .xdm, .meta)



Product Release Note
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