

Oracle® FLEXCUBE Investor Servicing

Prerequisites for Oracle FLEXCUBE Installer



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Preface

Oracle FLEXCUBE Investor Servicing is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

Purpose

This manual is designed to help acquaint you with the installation of **Oracle FLEXCUBE Investor Servicing** application.

Audience

This manual is intended for the following User/User Roles:

Table 1 Users and Roles

Users	Roles
Implementation team	Implementation of Oracle FLEXCUBE Investor Servicing
Presales team	Install Oracle FLEXCUBE Investor Servicing for demo purpose
Bank personnel	Who installs Oracle FLEXCUBE Investor Servicing

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>.

Access to Oracle Support

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Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used are as follows:

Table 2 Acronyms and Abbreviations

Abbreviation	Description
FCIS	Oracle FLEXCUBE Investor Servicing
OEM	Oracle Enterprise Manager

Table 2 (Cont.) Acronyms and Abbreviations

Abbreviation	Description
EMS	Electronic Messaging Service
EJB	Enterprise Java Bean
MDB	Message Driven Beans

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Prerequisites for Oracle FLEXCUBE Investor Servicing Installer

This topic explains the prerequisites for Oracle FLEXCUBE Investor Servicing Installer.

This topic contains the following sub-topics:.

- [Environment Setup](#)
This topic provides information on Environment Setup that has to be done before FCIS installation.
- [Operating System Supported for Database](#)
This topic provides information on Operating System supported for Database.
- [Operating System Prerequisite for Database Setup](#)
This topic provides information on Operating System prerequisite for Database Setup.
- [Database Setup](#)
This topic provides information on Database Setup that has to be done before FCIS installation.
- [Application Servers](#)
This topic provides information on Application Server supported for Oracle FLEXCUBE.
- [Client Browsers Settings](#)
This topic provides information on Client Browsers settings.
- [Installer Installation Prerequisites](#)
This topic provides information on Installer Installation prerequisites.

1.1 Environment Setup

This topic provides information on Environment Setup that has to be done before FCIS installation.

This topic helps you to configure various Operating System parameters and the settings to be prepared before starting the **Oracle FLEXCUBE Investor Servicing** installation.

1.2 Operating System Supported for Database

This topic provides information on Operating System supported for Database.

Oracle **FLEXCUBE Investor Servicing** is supported on following operating systems:

- Oracle Enterprise LINUX
- Windows

1.3 Operating System Prerequisite for Database Setup

This topic provides information on Operating System prerequisite for Database Setup.

Following are the main kernel and database initialization parameters that you need to setup as part of the environment.

Table 1-1 Kernel Parameters and Recommended Value

Kernel Parameters	Recommended Value	Description
nproc (Soft)	2047	Shell Limits (/etc/security/limits.conf)
nproc (Hard)	16384	Shell Limits (/etc/security/limits.conf)
nofile (Hard)	1024	Shell Limits (/etc/security/limits.conf)
nofile (Hard)	65536	Shell Limits (/etc/security/limits.conf)
fs.file-max	6815744	Kernel Parameter (/etc/sysctl.conf)
kernel.shmall	2097152	Kernel Parameter (/etc/sysctl.conf)
kernel.shmmax	2147483648	Kernel Parameter (/etc/sysctl.conf)
kernel.shmmni	4096	Kernel Parameter (/etc/sysctl.conf)
kernel.sem	250 32000 100 128	Kernel Parameter (/etc/sysctl.conf)
net.ipv4.ip_local_port_range	9000 65500	Kernel Parameter (/etc/sysctl.conf)
net.core.rmem_default	262144	Kernel Parameter (/etc/sysctl.conf)
net.core.rmem_max	4194304	Kernel Parameter (/etc/sysctl.conf)
net.core.wmem_default	262144	Kernel Parameter (/etc/sysctl.conf)
net.core.wmem_max	1048576	Kernel Parameter (/etc/sysctl.conf)
SWAP Space	This section displays the recommended value for SWAP space	This section displays the SWAP space requirement
RAM Between 1 GB and 2 GB	1.5 times the size of RAM	SWAP space requirement
Between 2 GB and 16 GB	Equal to the size of RAM	SWAP space requirement
More than 16 GB	16 GB	SWAP space requirement
Patches	Verify as per Oracle's platform specific release notes	https://support.oracle.com

1.4 Database Setup

This topic provides information on Database Setup that has to be done before FCIS installation.

For Database recommendations, refer to the topic *FCIS Database Practices*.

1.5 Application Servers

This topic provides information on Application Server supported for Oracle FLEXCUBE.

Oracle FLEXCUBE is supported on the WebLogic Application server.

Application server needs to be configured to use JDK 11.

Table 1-2 Application Server Details

Component	Required for	Installation Details
JDK 11	Oracle FLEXCUBE Installation	Download JDK and set it as the environmental variable JAVA_HOME and append PATH with {JAVA_HOME} \bin

Refer to the topic *Weblogic Configuration* for weblogic server recommendations.

- [Third-Party Applications](#)
This topic provides information on setting up of Third-Party Applications.

1.5.1 Third-Party Applications

This topic provides information on setting up of Third-Party Applications.

This topic explains the steps which have to be followed before the actual installation of **Oracle FLEXCUBE Investor Servicing** Application. These steps have to be followed for setting up additional applications using installer.

Refer to the *Prerequisite* topic of *Security Guide* for further information on enforcing security for web.



Note:

For installing any third-party or pre-requests list is provided for generic information however for detailed steps refer vendor install page.

1.6 Client Browsers Settings

This topic provides information on Client Browsers settings.

The following browsers are supported:

- Google Chrome
- Mozilla Firefox
- Microsoft Edge
- Safari

1.7 Installer Installation Prerequisites

This topic provides information on Installer Installation prerequisites.

For configuring Application, refer to the **Application Prerequisites Details for Installation** table:

Table 1-3 Application Prerequisites Details for Installation

Component	Required for	Installation Details
JDK	Oracle FLEXCUBE Investor Servicing Installation	Download JDK and set it as the environmental variable JAVA_HOME and append PATH with {JAVA_HOME} \bin
WebLogic	Oracle FLEXCUBE Investor Servicing Installation	Installer home needs to be specified for using the Deployment feature of installer.
Oracle Client	Oracle FLEXCUBE Investor Servicing Installation	Oracle client is required to install database objects of Oracle FLEXCUBE Investor Servicing.
Environment Variables	Oracle FLEXCUBE Installation	Create environment variables as given below: NLS_LANG = AMERICAN_AMERICA.UTF8 JAVA_TOOL_OPTIONS = - Dfile.encoding=UTF8

 Note:

Please use appropriate text editor to open the installer log file. If there are any issues in opening, close the installer and open the log file from log folder of installer. It's recommended to use notepad as default program for .log extension in windows operating system.