

Gateway Documentation - FCISSystemDate  
Oracle FLEXCUBE Investor Servicing  
Release 12.1.0.0.0  
[October][2015]



# Table Of Contents

---

<b>1. Background</b>	.....	<b>1</b>
<b>2. FCISSystemDate</b>	.....	<b>2</b>
<b>2.1.QuerySystemDate</b>	.....	<b>2</b>
2.1.1.UT-QuerySystemDate-Req-IO-MSG.xsd	.....	2
2.1.2.UT-QuerySystemDate-Res-Full-MSG.xsd	.....	8

## 1. Background

Integration of different applications and solutions is a key area in today's systems. A variety of specialized applications deployed on disparate platforms and using different infrastructure need to be able to communicate and integrate seamlessly with FLEXCUBE UBS in order to exchange data. The FLEXCUBE UBS Integration Gateway (referred to as Gateway) will cater to these integration needs. The integration needs supported by the Gateway can be broadly categorized from the perspective of Gateway as follows

### 1. Inbound application integration :

This is used when any external system needs to add, modify or query information within FLEXCUBE UBS

### 2. Outbound application integration :

This is used when any external system needs to be notified of the various events that occur within FLEXCUBE UBS

The following sections provide detailed XSD documentation of all operations available in FCISSystemDate of UT Module

## 2. FCISSystemDate

### 2.1.QuerySystemDate

#### 2.1.1.UT-QuerySystemDate-Req-IO-MSG.xsd

*QUERYSYSTEMDATE\_IOFS\_REQ*

*FCUBS\_HEADER*

*SOURCE*

*UBSCOMP*

*MSGID*

*CORRELID*

*USERID*

*BRANCH*

*MODULEID*

*SERVICE*

*OPERATION*

*SOURCE\_OPERATION*

*SOURCE\_USERID*

*DESTINATION*

*MULTITRIPID*

*FUNCTIONID*

*ACTION*

*MSGSTAT*

*PASSWORD*

*ADDL*

*PARAM*

*NAME*

*VALUE*

*FCUBS\_BODY*

*SystemDates-IO*

*ModuleID*

#### QUERYSYSTEMDATE\_IOFS\_REQ

Attribute	Description
Name	QUERYSYSTEMDATE_IOFS_REQ

Datatype	
Description	

## FCUBS\_HEADER

Attribute	Description
Name	FCUBS_HEADER
Datatype	
Description	

## SOURCE

Attribute	Description				
Name	SOURCE				
Datatype	String				
Description	This is the code for the system which has sourced this message. For request messages, this field has to contain the source code for the partner system as maintained within FLEXCUBE UBS. In case of response messages this field will contain FLEXCUBE.				
Restrictions	<table> <tr> <th>Restrictions</th><th>Description</th></tr> <tr> <td>pattern</td><td>[a-zA-Z_0-9]*</td></tr> </table>	Restrictions	Description	pattern	[a-zA-Z_0-9]*
Restrictions	Description				
pattern	[a-zA-Z_0-9]*				

## UBSCOMP

Attribute	Description				
Name	UBSCOMP				
Datatype	String				
Description	This is the component of FLEXCUBE for which this message is meant. Gateway supports both FLEXCUBE UBS and FLEXCUBE Investor Services. If the message is for FLEXCUBE UBS then this field should contain FCUBS and FCIS if meant for FLEXCUBE Investor Services. This field is case-sensitive.				
Restrictions	<table> <tr> <th>Restrictions</th><th>Description</th></tr> <tr> <td>enumeration</td><td>FCUBS,FCIS</td></tr> </table>	Restrictions	Description	enumeration	FCUBS,FCIS
Restrictions	Description				
enumeration	FCUBS,FCIS				

## MSGID

Attribute	Description				
Name	MSGID				
Datatype	String				
Description	This is the unique message ID for this message. In inbound messages, if this field is present then Gateway would perform technical duplicate recognition using this field. For all messages going out from Gateway, Gateway will populate a unique message ID in this field.				
Attribute	<table> <tr> <th>Attribute</th><th>Description</th></tr> <tr> <td>minOccurs</td><td>0</td></tr> </table>	Attribute	Description	minOccurs	0
Attribute	Description				
minOccurs	0				
Restrictions	<table> <tr> <th>Restrictions</th><th>Description</th></tr> <tr> <td>pattern</td><td>[a-zA-Z_0-9]*</td></tr> </table>	Restrictions	Description	pattern	[a-zA-Z_0-9]*
Restrictions	Description				
pattern	[a-zA-Z_0-9]*				

## CORRELID

Attribute	Description	
Name	CORRELID	
Datatype	String	
Description	This is the correlation ID for the message. Gateway supports 2 correlation patterns, namely Message ID to Correlation ID (M2C) and Correlation ID to Correlation ID (C2C). While using asynchronous means of communication (like a JMS queue), the partner system can correlate the response received from Gateway to the request message sent by it using this field. If the correlation pattern is M2C then this field will contain the MSGID of the request message. If the correlation pattern is C2C then this field will contain the CORRELID of the request message.	
Attribute		
	Attribute	Description
	minOccurs	0
Restrictions		
	Restrictions	Description
	pattern	[a-zA-Z_0-9]*

## USERID

Attribute	Description	
Name	USERID	
Datatype	String	
Description	This is the user id which will be used within FLEXCUBE to record the transaction. This needs to be a valid user id as maintained within FLEXCUBE.	
Restrictions		
	Restrictions	Description
	maxLength	12
	pattern	[A-Z_0-9]*

## BRANCH

Attribute	Description	
Name	BRANCH	
Datatype	String	
Description	This is the Branch of FLEXCUBE where the transaction would be recorded. This needs to be a valid Branch code as maintained in FLEXCUBE.	
Restrictions		
	Restrictions	Description
	length	3
	pattern	[a-zA-Z_0-9]{3}

## MODULEID

Attribute	Description	
Name	MODULEID	
Datatype	String	
Description	Indicates Module Id	
Attribute		
	Attribute	Description
	minOccurs	0

## SERVICE

Attribute	Description				
Name	SERVICE				
Datatype	String				
Description	This field should contain the code of the Service of FLEXCUBE which is being requested. This field is case-sensitive.				
Restrictions	<table> <tr> <th>Restrictions</th><th>Description</th></tr> <tr> <td>pattern</td><td>[a-zA-Z_0-9]*</td></tr> </table>	Restrictions	Description	pattern	[a-zA-Z_0-9]*
Restrictions	Description				
pattern	[a-zA-Z_0-9]*				

## OPERATION

Attribute	Description				
Name	OPERATION				
Datatype	String				
Description	This is the operation of the service which is being invoked. This field is case-sensitive.				
Restrictions	<table> <tr> <th>Restrictions</th><th>Description</th></tr> <tr> <td>pattern</td><td>[a-zA-Z_0-9]*</td></tr> </table>	Restrictions	Description	pattern	[a-zA-Z_0-9]*
Restrictions	Description				
pattern	[a-zA-Z_0-9]*				

## SOURCE\_OPERATION

Attribute	Description				
Name	SOURCE_OPERATION				
Datatype	String				
Description	This is the code for the operation being invoked in the Source system. The code of Source Operation being sent needs to be maintained as a valid Source Operation for the Source within FLEXCUBE.				
Attribute	<table> <tr> <th>Attribute</th><th>Description</th></tr> <tr> <td>minOccurs</td><td>0</td></tr> </table>	Attribute	Description	minOccurs	0
Attribute	Description				
minOccurs	0				
Restrictions	<table> <tr> <th>Restrictions</th><th>Description</th></tr> <tr> <td>pattern</td><td>[a-zA-Z_0-9]*</td></tr> </table>	Restrictions	Description	pattern	[a-zA-Z_0-9]*
Restrictions	Description				
pattern	[a-zA-Z_0-9]*				

## SOURCE\_USERID

Attribute	Description				
Name	SOURCE_USERID				
Datatype	String				
Description	This is the user id in the Source system who is performing the action.				
Attribute	<table> <tr> <th>Attribute</th><th>Description</th></tr> <tr> <td>minOccurs</td><td>0</td></tr> </table>	Attribute	Description	minOccurs	0
Attribute	Description				
minOccurs	0				

## DESTINATION

Attribute	Description
Name	DESTINATION
Datatype	String
Description	This the system for which this message is destined. In case of request messages to FLEXCUBE, it should be FLEXCUBE. In case of response, the SOURCE from the request message is reproduced here.

Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## MULTITRIPID

<b>Attribute</b>	<b>Description</b>	
Name	MULTITRIPID	
Datatype	String	
Description	In response messages, this is the ID sent by FLEXCUBE in case any overrides are encountered. In request messages, the source system is expected to reproduce the MULTITRIPID from the earlier received response if the source system accepts the overrides.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## FUNCTIONID

<b>Attribute</b>	<b>Description</b>	
Name	FUNCTIONID	
Datatype	String	
Description	This is the function in FLEXCUBE which is being invoked. For integration scenarios this need not be sent. This is used by FLEXCUBE native user interface.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	maxLength	8
	pattern	[A-Z_0-9]*

## ACTION

<b>Attribute</b>	<b>Description</b>	
Name	ACTION	
Datatype	String	
Description	This is the action on the function being invoked. For integration scenarios this need not be sent. This is used by FLEXCUBE native user interface.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0



Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## MSGSTAT

<b>Attribute</b>	<b>Description</b>	
Name	MSGSTAT	
Datatype	String	
Description	In response messages, FLEXCUBE will indicate the status of the request in this field. The various values are SUCCESS, WARNING and FAILURE.	
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions	<b>Restrictions</b>	<b>Description</b>
	enumeration	SUCCESS,WARNING,FAILURE

## PASSWORD

<b>Attribute</b>	<b>Description</b>	
Name	PASSWORD	
Datatype	String	
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions	<b>Restrictions</b>	<b>Description</b>
	maxLength	128
	pattern	[a-zA-Z_0-9=+/*]*

## ADDL

<b>Attribute</b>	<b>Description</b>	
Name	ADDL	
Datatype		
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

## PARAM

<b>Attribute</b>	<b>Description</b>	
Name	PARAM	
Datatype		
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
	maxOccurs	unbounded

## NAME

Attribute	Description
Name	NAME
Datatype	String
Description	

## VALUE

Attribute	Description
Name	VALUE
Datatype	String
Description	

## FCUBS\_BODY

Attribute	Description
Name	FCUBS_BODY
Datatype	
Description	This XSD Gives Information about IO Request of QuerySystemDate

## SystemDates-IO

Attribute	Description
Name	SystemDates-IO
Datatype	
Description	

## ModuleID

Attribute	Description	
Name	ModuleID	
Datatype	String	
Description		
Restrictions		
	Restrictions	Description
	maxLength	50

### 2.1.2.UT-QuerySystemDate-Res-Full-MSG.xsd

*QUERYSYSTEMDATE\_IOFS\_RES*

*FCUBS\_HEADER*

*SOURCE*

*UBSCOMP*

*MSGID*

*CORRELID*

*USERID*

*BRANCH*

*MODULEID*

*SERVICE*

*OPERATION*

*SOURCE\_OPERATION*

*SOURCE\_USERID*

*DESTINATION*

*MULTITRIPID*

*FUNCTIONID*

*ACTION*

*MSGSTAT*

*PASSWORD*

*ADDL*

*PARAM*

*NAME*

*VALUE*

*FCUBS\_BODY*

*SystemDates-IO*

*ModuleID*

*SystemDates-Full*

*ModuleID*

*DateToday*

*DateYesterday*

*DateTomorrow*

*FCUBS\_ERROR\_RESP*

*ERROR*

*ECODE*

*EDESC*

*FCUBS\_WARNING\_RESP*

*WARNING*

*WCODE*

*WDESC*

## **QUERYSYSTEMDATE\_IOFS\_RES**

<b>Attribute</b>	<b>Description</b>
Name	QUERYSYSTEMDATE_IOFS_RES
Datatype	
Description	

## FCUBS\_HEADER

Attribute	Description
Name	FCUBS_HEADER
Datatype	
Description	

## SOURCE

Attribute	Description				
Name	SOURCE				
Datatype	String				
Description	This is the code for the system which has sourced this message. For request messages, this field has to contain the source code for the partner system as maintained within FLEXCUBE UBS. In case of response messages this field will contain FLEXCUBE.				
Restrictions	<table><tr><th>Restrictions</th><th>Description</th></tr><tr><td>pattern</td><td>[a-zA-Z_0-9]*</td></tr></table>	Restrictions	Description	pattern	[a-zA-Z_0-9]*
Restrictions	Description				
pattern	[a-zA-Z_0-9]*				

## UBSCOMP

Attribute	Description				
Name	UBSCOMP				
Datatype	String				
Description	This is the component of FLEXCUBE for which this message is meant. Gateway supports both FLEXCUBE UBS and FLEXCUBE Investor Services. If the message is for FLEXCUBE UBS then this field should contain FCUBS and FCIS if meant for FLEXCUBE Investor Services. This field is case-sensitive.				
Restrictions	<table><tr><th>Restrictions</th><th>Description</th></tr><tr><td>enumeration</td><td>FCUBS,FCIS</td></tr></table>	Restrictions	Description	enumeration	FCUBS,FCIS
Restrictions	Description				
enumeration	FCUBS,FCIS				

## MSGID

Attribute	Description				
Name	MSGID				
Datatype	String				
Description	This is the unique message ID for this message. In inbound messages, if this field is present then Gateway would perform technical duplicate recognition using this field. For all messages going out from Gateway, Gateway will populate a unique message ID in this field.				
Attribute	<table><tr><th>Attribute</th><th>Description</th></tr><tr><td>minOccurs</td><td>0</td></tr></table>	Attribute	Description	minOccurs	0
Attribute	Description				
minOccurs	0				
Restrictions	<table><tr><th>Restrictions</th><th>Description</th></tr><tr><td>pattern</td><td>[a-zA-Z_0-9]*</td></tr></table>	Restrictions	Description	pattern	[a-zA-Z_0-9]*
Restrictions	Description				
pattern	[a-zA-Z_0-9]*				

## CORRELID

Attribute	Description
Name	CORRELID
Datatype	String

Description	This is the correlation ID for the message. Gateway supports 2 correlation patterns, namely Message ID to Correlation ID (M2C) and Correlation ID to Correlation ID (C2C). While using asynchronous means of communication (like a JMS queue), the partner system can correlate the response received from Gateway to the request message sent by it using this field. If the correlation pattern is M2C then this field will contain the MSGID of the request message. If the correlation pattern is C2C then this field will contain the CORRELID of the request message.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## USERID

<b>Attribute</b>	<b>Description</b>	
Name	USERID	
Datatype	String	
Description	This is the user id which will be used within FLEXCUBE to record the transaction. This needs to be a valid user id as maintained within FLEXCUBE.	
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	maxLength	12
	pattern	[A-Z_0-9]*

## BRANCH

<b>Attribute</b>	<b>Description</b>	
Name	BRANCH	
Datatype	String	
Description	This is the Branch of FLEXCUBE where the transaction would be recorded. This needs to be a valid Branch code as maintained in FLEXCUBE.	
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	length	3
	pattern	[a-zA-Z_0-9]{3}

## MODULEID

<b>Attribute</b>	<b>Description</b>	
Name	MODULEID	
Datatype	String	
Description	Indicates Module Id	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

## SERVICE

<b>Attribute</b>	<b>Description</b>
------------------	--------------------

Name	SERVICE	
Datatype	String	
Description	This field should contain the code of the Service of FLEXCUBE which is being requested. This field is case-sensitive.	
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## OPERATION

<b>Attribute</b>	<b>Description</b>	
Name	OPERATION	
Datatype	String	
Description	This is the operation of the service which is being invoked. This field is case-sensitive.	
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## SOURCE\_OPERATION

<b>Attribute</b>	<b>Description</b>	
Name	SOURCE_OPERATION	
Datatype	String	
Description	This is the code for the operation being invoked in the Source system. The code of Source Operation being sent needs to be maintained as a valid Source Operation for the Source within FLEXCUBE.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## SOURCE\_USERID

<b>Attribute</b>	<b>Description</b>	
Name	SOURCE_USERID	
Datatype	String	
Description	This is the user id in the Source system who is performing the action.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

## DESTINATION

<b>Attribute</b>	<b>Description</b>	
Name	DESTINATION	
Datatype	String	
Description	This the system for which this message is destined. In case of request messages to FLEXCUBE, it should be FLEXCUBE. In case of response, the SOURCE from the request message is reproduced here.	

Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## MULTITRIPID

<b>Attribute</b>	<b>Description</b>	
Name	MULTITRIPID	
Datatype	String	
Description	In response messages, this is the ID sent by FLEXCUBE in case any overrides are encountered. In request messages, the source system is expected to reproduce the MULTITRIPID from the earlier received response if the source system accepts the overrides.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## FUNCTIONID

<b>Attribute</b>	<b>Description</b>	
Name	FUNCTIONID	
Datatype	String	
Description	This is the function in FLEXCUBE which is being invoked. For integration scenarios this need not be sent. This is used by FLEXCUBE native user interface.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	maxLength	8
	pattern	[A-Z_0-9]*

## ACTION

<b>Attribute</b>	<b>Description</b>	
Name	ACTION	
Datatype	String	
Description	This is the action on the function being invoked. For integration scenarios this need not be sent. This is used by FLEXCUBE native user interface.	
Attribute		
	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

Restrictions		
	<b>Restrictions</b>	<b>Description</b>
	pattern	[a-zA-Z_0-9]*

## MSGSTAT

<b>Attribute</b>	<b>Description</b>	
Name	MSGSTAT	
Datatype	String	
Description	In response messages, FLEXCUBE will indicate the status of the request in this field. The various values are SUCCESS, WARNING and FAILURE.	
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions	<b>Restrictions</b>	<b>Description</b>
	enumeration	SUCCESS,WARNING,FAILURE

## PASSWORD

<b>Attribute</b>	<b>Description</b>	
Name	PASSWORD	
Datatype	String	
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
Restrictions	<b>Restrictions</b>	<b>Description</b>
	maxLength	128
	pattern	[a-zA-Z_0-9=+/*]*

## ADDL

<b>Attribute</b>	<b>Description</b>	
Name	ADDL	
Datatype		
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

## PARAM

<b>Attribute</b>	<b>Description</b>	
Name	PARAM	
Datatype		
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
	maxOccurs	unbounded



## NAME

Attribute	Description
Name	NAME
Datatype	String
Description	

## VALUE

Attribute	Description
Name	VALUE
Datatype	String
Description	

## FCUBS\_BODY

Attribute	Description
Name	FCUBS_BODY
Datatype	
Description	This XSD Gives Information about Full Response

## SystemDates-IO

Attribute	Description
Name	SystemDates-IO
Datatype	
Description	

## ModuleID

Attribute	Description	
Name	ModuleID	
Datatype	String	
Description		
Restrictions		
	Restrictions	Description
	maxLength	50

## SystemDates-Full

Attribute	Description
Name	SystemDates-Full
Datatype	
Description	

## ModuleID

Attribute	Description	
Name	ModuleID	
Datatype	String	
Description		
Restrictions		
	Restrictions	Description
	maxLength	50

## DateToday

Attribute	Description
-----------	-------------

Name	DateToday	
Datatype	String	
Description	Indicates Date Today	
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

## DateYesterday

<b>Attribute</b>	<b>Description</b>	
Name	DateYesterday	
Datatype	String	
Description	Indicates Date Yesterday	
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

## DateTomorrow

<b>Attribute</b>	<b>Description</b>	
Name	DateTomorrow	
Datatype	String	
Description	Indicates Date Tomorrow	
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0

## FCUBS\_ERROR\_RESP

<b>Attribute</b>	<b>Description</b>	
Name	FCUBS_ERROR_RESP	
Datatype		
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	minOccurs	0
	maxOccurs	unbounded

## ERROR

<b>Attribute</b>	<b>Description</b>	
Name	ERROR	
Datatype		
Description		
Attribute	<b>Attribute</b>	<b>Description</b>
	maxOccurs	unbounded

## ECODE

<b>Attribute</b>	<b>Description</b>	
Name	ECODE	
Datatype	String	
Description		

## EDESC

Attribute	Description
Name	EDESC
Datatype	String
Description	

## FCUBS\_WARNING\_RESP

Attribute	Description	
Name	FCUBS_WARNING_RESP	
Datatype		
Description		
Attribute		
	Attribute	Description
	minOccurs	0
	maxOccurs	unbounded

## WARNING

Attribute	Description	
Name	WARNING	
Datatype		
Description		
Attribute		
	Attribute	Description
	maxOccurs	unbounded

## WCODE

Attribute	Description
Name	WCODE
Datatype	String
Description	

## WDESC

Attribute	Description
Name	WDESC
Datatype	String
Description	

Oracle Financial services Software Limited  
Oracle Park  
Off western Express Highway  
Goregaon(East)  
Mumbai,Maharashtra 400 063  
India

Worldwide Inquiries:  
Phone: +91 22 6718 3000  
Fax: +91 22 6718 3001  
[www.oracle.com/financialservices/](http://www.oracle.com/financialservices/)

Copyright © [2013], [2015], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are commercial computer software pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.