# LOV's Changes for handling high volumes

Oracle FLEXCUBE Universal Banking

Release 14.7.2.0.0

Part No. F87755-01

[November] [2023]

ORACLE

FINANCIAL SERVICES

# Table of Contents


**1 Preface ..... 2**

**2 Introduction ..... 2**

**3 List of Values ..... 2**

3.1 Exact Fetch: ..... 2

3.2 Is Mandatory ..... 4

3.3 Minimum Search Character Length ..... 4

**4 Summary Query performance Enhancements ..... 6**

4.1 Criteria Based Search ..... 7

4.2 Minimum number of Search Characters ..... 7

4.3 Lov Details ..... 7

# 1 Preface

This document describes the LOVs Defining for handling the high-volume data using Oracle FLEXCUBE Development Workbench for Universal Banking.

# 2 Introduction

This Document explains the steps to Definition/Modification of LOVs for handling high volume data using the Oracle FLEXCUBE Development Workbench for Universal Banking

# 3 List of Values

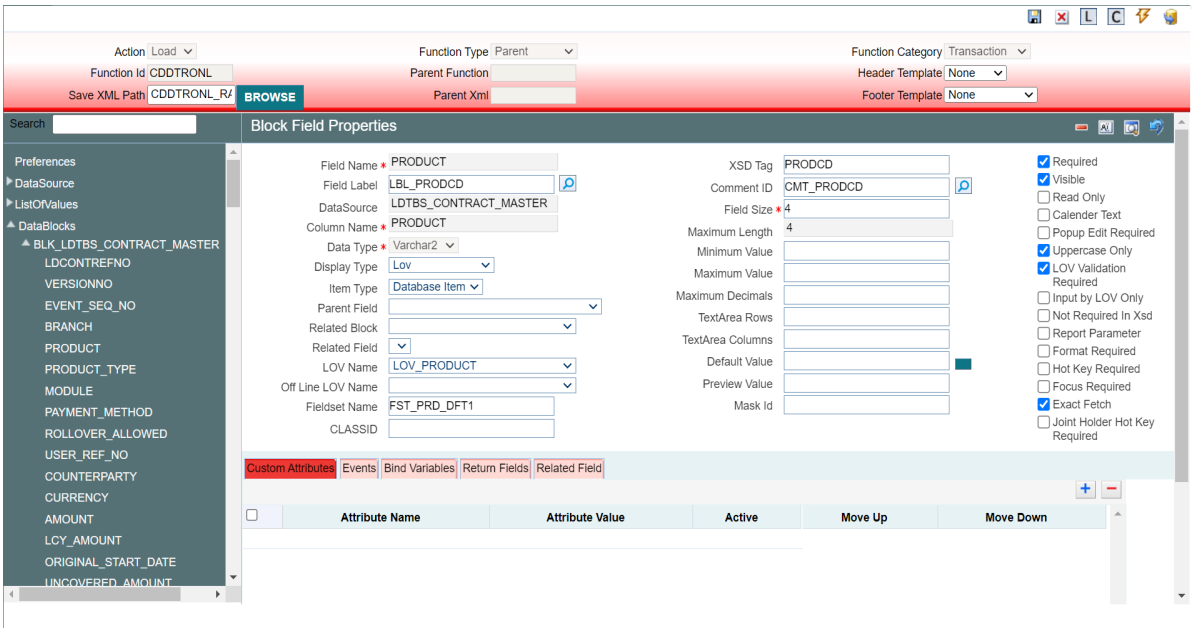
Oracle FLEXCUBE Development Workbench provides the developer with a user-friendly console for defining a LOV's of FCUBS handling the high-volume data with following parameters.
Following parameters/features are introduced for handling such LOVs.

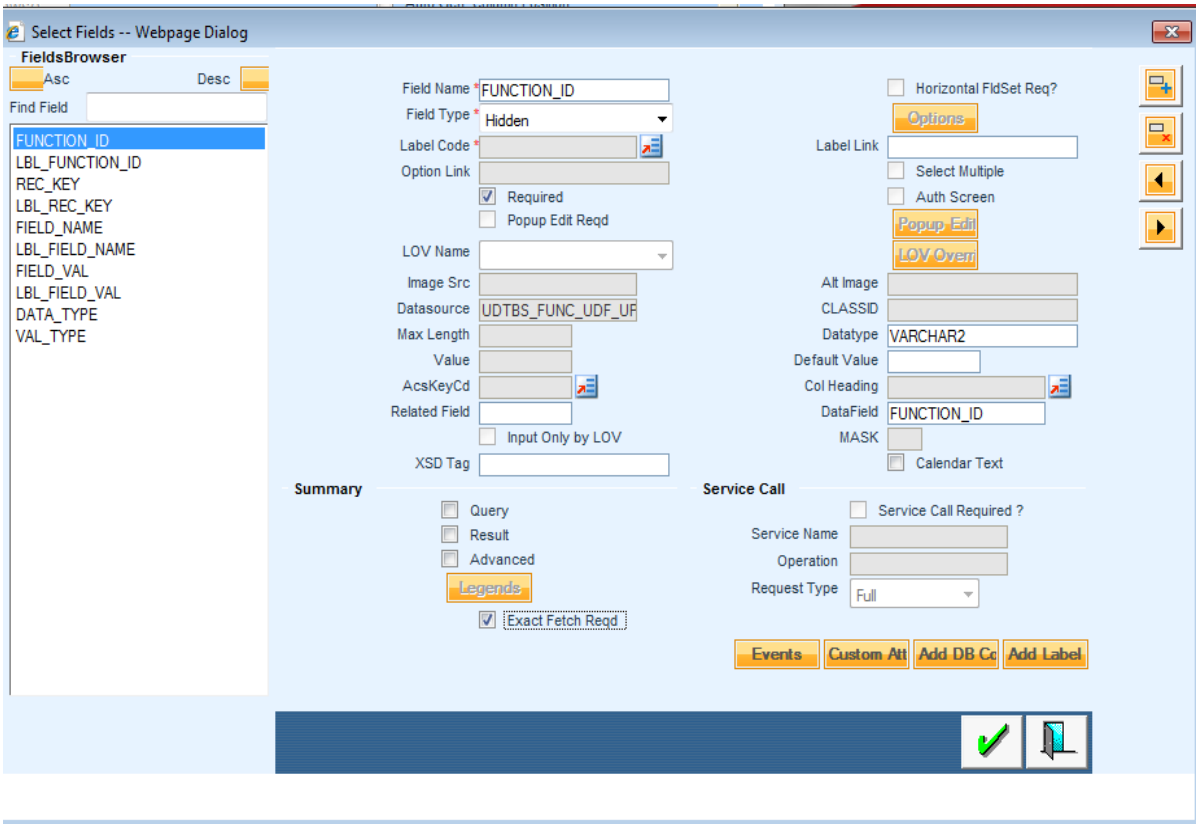
- Exact fetch
- Is Mandatory
- Minimum no of Search Character

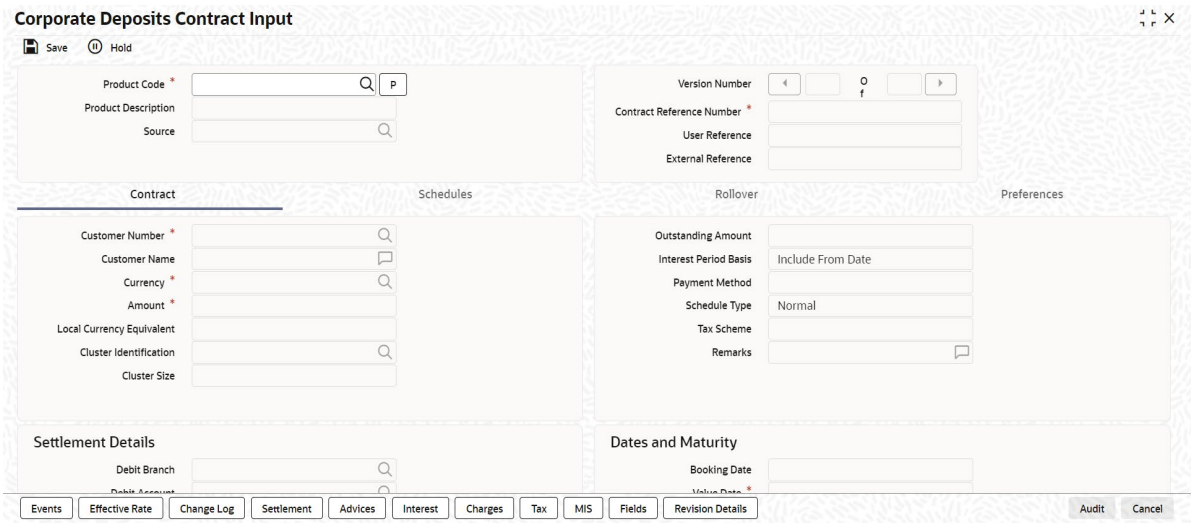
## 3.1 Exact Fetch:

If the Block field is of display type LOV, developer can choose the exact fetch parameter for search optimization (in High Volume).
If ***exact fetch*** parameter is selected, user must provide the exact values of the field as it is present in Database; otherwise, system will throw the error message as invalid value.
Wildcard Searches are not permitted.

*For Example: Entering 98712 in Account Number field will fetch value only if an account with that particular number exist. In Normal case all account numbers beginning with the search pattern would be retrieved.*


Action Load
Function Id CDDTRONL
Save XML Path CDDTRONL_RA
BROWSE
Function Type Parent
Parent Function
Parent Xml
Function Category Transaction
Header Template None
Footer Template None
Search
Block Field Properties
Preferences
DataSource
ListOfValues
DataBlocks
BLK_LDTBS_CONTRACT_MASTER
LDCONTREFNO
VERSIONNO
EVENT_SEQ_NO
BRANCH
PRODUCT
PRODUCT_TYPE
MODULE
PAYMENT_METHOD
ROLLOVER_ALLOWED
USER_REF_NO
COUNTERPARTY
CURRENCY
AMOUNT
LCY_AMOUNT
ORIGINAL_START_DATE
Field Name * PRODUCT
Field Label LBL_PRODCD
DataSource LDTBS_CONTRACT_MASTER
Column Name * PRODUCT
Data Type * Varchar2
Display Type Lov
Item Type Database Item
Parent Field
Related Block
Related Field
LOV Name LOV_PRODUCT
Off Line LOV Name
Fieldset Name FST_PRD_DFT1
CLASSID
XSD Tag PRODCD
Comment ID CMT_PRODCD
Field Size * 4
Maximum Length 4
Minimum Value
Maximum Value
Maximum Decimals
TextArea Rows
TextArea Columns
Default Value
Preview Value
Mask Id
Required
Visible
Read Only
Calender Text
Popup Edit Required
Uppercase Only
LOV Validation Required
Input by LOV Only
Not Required In Xsd
Report Parameter
Format Required
Hot Key Required
Focus Required
Exact Fetch
Joint Holder Hot Key Required
Custom Attributes
Events
Bind Variables
Return Fields
Related Field
Attribute Name
Attribute Value
Active
Move Up
Move Down


Select Fields -- Webpage Dialog
FieldsBrowser
Asc
Desc
Find Field
FUNCTION_ID
LBL_FUNCTION_ID
REC_KEY
LBL_REC_KEY
FIELD_NAME
LBL_FIELD_NAME
FIELD_VAL
LBL_FIELD_VAL
DATA_TYPE
VAL_TYPE
Field Name * FUNCTION_ID
Field Type * Hidden
Label Code *
Option Link
Required
Popup Edit Reqd
LOV Name
Image Src
Datasource UDTBS_FUNC_UDF_UF
Max Length
Value
AcsKeyCd
Related Field
Input Only by LOV
XSD Tag
Horizontal FldSet Req?
Options
Label Link
Select Multiple
Auth Screen
Popup Edit
LOV Over
Alt Image
CLASSID
Datatype VARCHAR2
Default Value
Col Heading
DataField FUNCTION_ID
MASK
Calendar Text
Summary
Query
Result
Advanced
Legends
Exact Fetch Reqd
Service Call
Service Call Required ?
Service Name
Operation
Request Type Full
Events
Custom Att
Add DB Co
Add Label




## 3.2 Is Mandatory

This parameter should be specified during definition of LOV in ODT.
If this parameter is selected, then total wild card search (by providing blank or % in reduction fields) won't be allowed on fields where the particular LOV is attached.

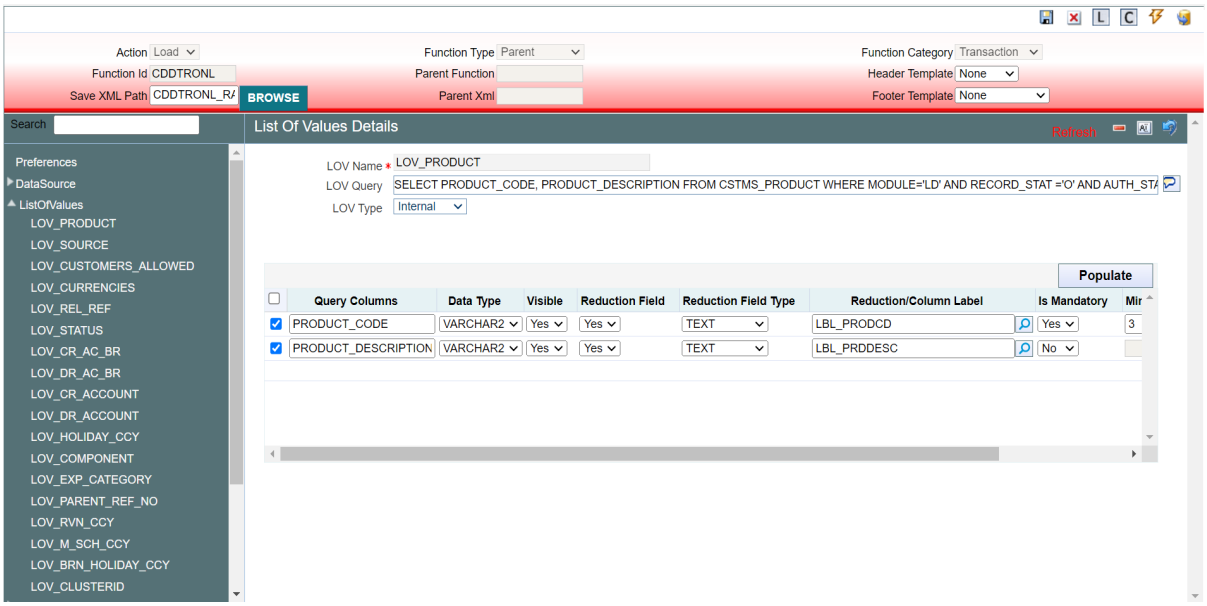
In LOV definition screen, ***is mandatory*** option would be enabled for all Reduction Fields.
This feature is not available for Global LOVs.

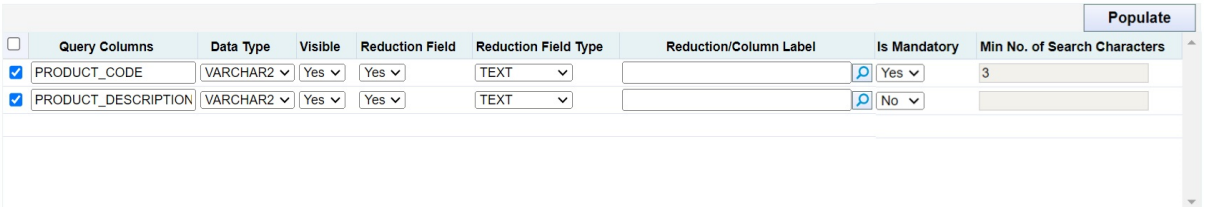
## 3.3 Minimum Search Character Length

If ' ***Is mandatory*** ' is selected as yes for any reduction field , ODT will ask for minimum search character length. By default the value is 3.
If field is mandatory and minimum search character length is given as n , then while searching, user has to enter minimum of n characters in order to search a particular value otherwise the system will show error message.
Any value less than 3 will not be accepted. ODT will show alert message in case of any rule violation
This feature is not available for Global LOVs

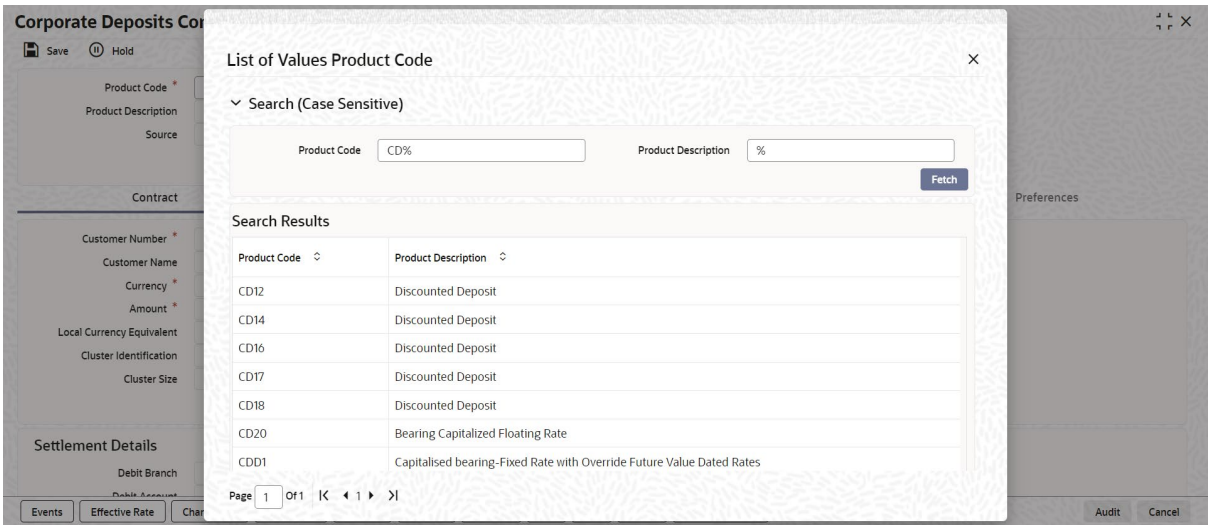
*Example : Customer LOV should allow searches based on is Mandatory and Minimum no of Character search character fields only and total wild card search should not be allowed*

Figure below illustrates ***Is Mandatory*** and ***Min No. of Search Characters*** fields in ODT


Action Load
Function Id CDDTRONL
Save XML Path CDDTRONL_RA
BROWSE
Function Type Parent
Parent Function
Parent Xml
Function Category Transaction
Header Template None
Footer Template None
Search
List Of Values Details
Refresh
Preferences
DataSource
ListOfValues
LOV_PRODUCT
LOV_SOURCE
LOV_CUSTOMERS_ALLOWED
LOV_CURRENCIES
LOV_REL_REF
LOV_STATUS
LOV_CR_AC_BR
LOV_DR_AC_BR
LOV_CR_ACCOUNT
LOV_DR_ACCOUNT
LOV_HOLIDAY_CCY
LOV_COMPONENT
LOV_EXP_CATEGORY
LOV_PARENT_REF_NO
LOV_RVN_CCY
LOV_M_SCH_CCY
LOV_BRN_HOLIDAY_CCY
LOV_CLUSTERID
LOV Name * LOV_PRODUCT
LOV Query SELECT PRODUCT_CODE, PRODUCT_DESCRIPTION FROM CSTMS_PRODUCT WHERE MODULE='LD' AND RECORD_STAT ='O' AND AUTH_STA
LOV Type Internal
Populate
Query Columns
Data Type
Visible
Reduction Field
Reduction Field Type
Reduction/Column Label
Is Mandatory
PRODUCT_CODE
VARCHAR2
Yes
TEXT
LBL_PRODCD
PRODUCT_DESCRIPTION
LBL_PRDDESC
No

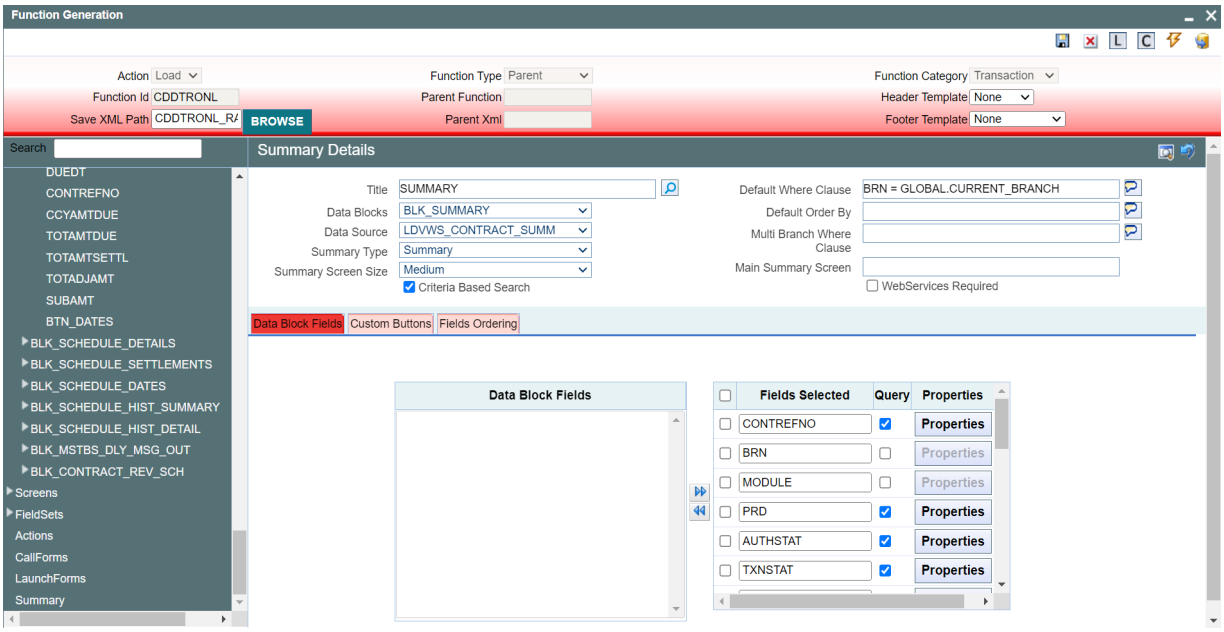

Populate
Query Columns
Data Type
Visible
Reduction Field
Reduction Field Type
Reduction/Column Label
Is Mandatory
Min No. of Search Characters
PRODUCT_CODE
VARCHAR2
Yes
TEXT
3
PRODUCT_DESCRIPTION
No

Corporate Deposits Cor
Save
Hold
Product Code
Product Description
Source
Contract
Customer Number
Customer Name
Currency
Amount
Local Currency Equivalent
Cluster Identification
Cluster Size
Settlement Details
Debit Branch
Events
Effective Rate
Preferences
Audit
Cancel
List of Values Product Code
Search (Case Sensitive)
Product Code
%
Product Description
%
Fetch
Search Results
Product Code
Product Description
No data to display.
Page 1 Of 1




# 4 Summary Query performance Enhancements

Oracle FLEXCUBE Development Workbench provides the developer with a user-friendly console for defining criteria-based search for handling the high volume data with following parameters. Following parameters/features are introduced for handling criteria-based search.




- Criteria Based Search
- Minimum number of Search Characters
- Lov Details

## 4.1 Criteria Based Search

Criteria based search is present in the summary screen. If you want to enable criteria based search feature for the summary screen, you can check the check box for criteria based search. Then on click of the property button you will have to provide the minimum search character length for that field.

## 4.2 Minimum number of Search Characters

If you want to provide minimum search character length for the lov for handing high volume data, you have this option to provide a minimum number of characters required for the lov to fetch the result of lov. If you are not providing minimum number of character of the lov while querying in summary screen then you will get an error message to provide minimum search character length. There is a restriction to this field, if you enter a value which is greater than the value of the field in the datasource level then ODT won't allow you, it will throw an error message.

## 4.3 Lov Details

If a particular summary field needs to be attached to a lov then user has to provide these details on click of the property button. You can map the corresponding return fields and the related bind variables. You have to click default from lov then select the required query columns then choose corresponding block name and the return field name.

**LOV's Changes for handling high volumes**
**[November] [2023]**
**Version 14.7.2.0.0**

**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/**

**Copyright © 2007, 2023, 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 failsafe, 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.**