

# Oracle® CDD/Repository for OpenVMS

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## Release Notes

Release 7.2.0.1

March 2006

This document contains the release notes for Oracle CDD/Repository for HP OpenVMS Industry Standard 64 Integrity Servers and OpenVMS Alpha operating systems.

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Oracle CDD/Repository Release Notes, release 7.2.0.1 for OpenVMS

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# Preface

## Intended Audience

This manual is intended for use by all Oracle CDD/Repository users. Read this manual before you install, upgrade, or use Oracle CDD/Repository release 7.2.0.1.

## Conventions

HP OpenVMS Industry Standard 64 Integrity Servers is often referred to as OpenVMS I64.

In this manual, OpenVMS means both the OpenVMS Alpha operating system and the OpenVMS I64 operating system.

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# Release Notes for Oracle CDD/Repository Release 7.2.0.1

This document provides release notes for Oracle CDD/Repository for HP OpenVMS Industry Standard 64 Integrity Servers and OpenVMS Alpha operating systems. The two systems are collectively referred to as OpenVMS. However, certain differences between the platforms may result in minor capability and functionality differences.

## 1.1 Installing Oracle CDD/Repository Release 7.2.0.1

This software update is installed using the standard OpenVMS Install Utility.

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### NOTE

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All Oracle CDD/Repository release 7.2.0.1 kits are full kits. There is no requirement to install any prior release of Oracle CDD/Repository when installing CDD/Repository release 7.2.0.1.

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### 1.1.1 Requirements

The following conditions must be met in order to install this software:

- Oracle CDD/Repository requires the following OpenVMS environments:
  - OpenVMS Alpha Version 8.2 or later
  - OpenVMS I64 Version 8.2-1 or later
  - Oracle Rdb release 7.0 or later
- Oracle Rdb must be running before you install this kit.
- Oracle CDD/Repository requires DEC Distributed Transaction Manager (DECdtm) services for all transactions.

### 1.1.2 Prior PCSI-installed Kit

If you previously installed the limited-functionality ADK kit with the PCSI installation procedure, you can remove the ADK software prior to installing this full kit. You can use the `PRODUCT SHOW HISTORY CDDADK` command to determine if the ADK kit is installed on your system.

If the CDDADK kit was previously installed on your system, it will be automatically deinstalled by this kit.

### 1.1.3 Invoking the VMSINSTAL Procedure

To start the installation procedure, invoke the VMSINSTAL command procedure:

```
@SYS$UPDATE:VMSINSTAL saveset-name device-name
```

For `saveset-name`, use CDDV72010I072 for OpenVMS I64 systems, and CDDV72010A072 for OpenVMS Alpha systems.

For `device-name`, use the name of the device on which the media is mounted. If the device is a disk drive, you also need to specify a directory, for example: DKA400:[RDB.KIT]

The *Installing Oracle CDD/Repository 7.2 for OpenVMS* manual is available on MetaLink and OTN in Adobe Acrobat PDF format.

## 1.2 Software Errors Fixed in Release 7.2.0.1

This kit contains all fixes made to previous versions of Oracle CDD/Repository and also addresses the problems described in this section.

### 1.2.1 CDO Fails Displaying Signed Longword Initial Value

Bug 5075301

When a CDO field was defined with datatype signed longword and the initial value was a very large negative number, CDO got an access violation. For example:

```
CDO> define field test datatype signed longword initial_value -2147483648.  
CDO> show field test  
Definition of field TEST  
| Datatype          signed longword  
%SYSTEM-F-ACCVIO, access violation, reason mask=04, virtual address=000000002D4  
4100, PC=FFFFFFFF84260D51, PS=0000001B
```

This problem has been corrected in Oracle CDD/Repository release 7.2.0.1.

### 1.2.2 CDDL Did Not Properly Store Signed and Unsigned QUAD Initial Values

Bug 4904683

In release 7.2 of Oracle CDD/Repository, CDDL did not correctly convert QUAD initial values from text to internal binary type, and the values were stored incorrectly. A record displayed with the DMU EXTRACT/RECORD command would display the incorrectly stored QUAD value as zero.

This problem has been corrected in Oracle CDD/Repository release 7.2.0.1.

### 1.2.3 DMU Did Not Properly Display Signed and Unsigned QUAD Initial Values

Bug 4904683

In release 7.2 of Oracle CDD/Repository, the DMU EXTRACT/RECORD command of the DMU utility did not properly display the initial values of its UNSIGNED QUAD and SIGNED QUAD data types. Incorrect numeric values were displayed.

This problem has been corrected in Oracle CDD/Repository release 7.2.0.1.

## 1.2.4 DMU Performs an ACCVIO When Displaying an H\_FLOAT Initial Value

Bug 4904683

In release 7.2 of Oracle CDD/Repository, DMU would get an ACCVIO error if you used the DMU EXTRACT/RECORD command to display an H\_FLOAT value. The H\_FLOAT value was stored correctly but not displayed correctly.

This problem has been corrected in Oracle CDD/Repository release 7.2.0.1.

## 1.3 Software Errors Fixed in Release 7.2

This section describes problems fixed in release 7.2.

### 1.3.1 CDO EXTRACT RECORD /LANGUAGE=CC Problem Handling Computed By Fields

The CDO EXTRACT RECORD /LANGUAGE=CC command did not properly handle computed by fields. It would extract the fields, rather than ignore them, as illustrated below:

```
CDO> extract record RETURN_STATUS /language=cc

struct return_status
{
  char return_code; /* Text */
  struct {char Unspecified1; } successful; /* Text */
  struct {char Unspecified1; } failed; /* Text */
  signed long return_value; /* Signed Longword */
  char status_parameters[100]; /* Text */
};
```

This problem has been fixed in Oracle CDD/Repository release 7.2. It will now extract this record as follows:

```
CDO> extract record RETURN_STATUS /language=cc

struct return_status
{
  char return_code; /* Text */
/* virtual field ignored */
/* virtual field ignored */
  signed long return_value; /* Signed Longword */
  char status_parameters[100]; /* Text */
};
```

### 1.3.2 CDO EXTRACT RECORD/LANGUAGE=CC Problem Handling Based On Fields

The CDO EXTRACT RECORD /LANGUAGE=CC command did not properly handle the length attribute for fields with a based on clause. If a length was specified for the field and the field it was based on, the two lengths would be added together in the displayed length, for example:

```
CDO> define field f1 datatype text 3.
CDO> define record r1.
cont> field1 datatype text size is 3 characters based on f1.
cont> end.
CDO> extract record r1 /lang=cc
struct r1
{
  char field1[6]; /* Text */
};
```

This problem has been fixed in Oracle CDD/Repository release 7.2. The length in the previous example is now displayed as 3, rather than 6.

