

Oracle Utilities Cloud Services
Database Changes Guide
For 23C Releases
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Oracle Utilities Cloud Services 23C Database Changes Guide

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Chapter 1

Cloud Services Database Changes Guide

Welcome to the Oracle Utilities Cloud Services Database Changes Guide. This document describes changes in the database in the 23C release of the following Oracle Utilities cloud services:

- [Oracle Utilities Billing Cloud Service](#)
- [Oracle Utilities Customer Care and Billing Cloud Service](#)
- [Oracle Utilities Customer Cloud Service](#)
- [Oracle Utilities Digital Asset Cloud Service](#)
- [Oracle Utilities Market Settlements Management Cloud Service](#)
- [Oracle Utilities Meter Solution Cloud Service](#)
- [Oracle Utilities Rate Cloud Service](#)
- [Oracle Utilities Work and Asset Cloud Service](#)

This document includes:

- [Cloud Services and Database Changes](#)
- [Customer-Related Database Changes](#)
- [Meter-Related Database Changes](#)
- [Work and Asset-Related Database Changes](#)
- [Application Framework Database Changes](#)

About New Tables and New Columns

New tables and columns listed in this document are associated with new features introduced in the 23C release of the above listed Oracle Utilities cloud services. For more information about new features introduced in this release, visit the [Oracle Cloud Update Readiness](#) application.

Note: The link above directs you to information about Oracle Utilities Customer Cloud Service. Use the links under **Energy and Water** in the left navigation panel to view information about other cloud services.

Cloud Services and Database Changes

This section outlines the database changes that apply to each of the following cloud services:

- [Billing Cloud Service](#)
- [Customer Care and Billing Cloud Service](#)
- [Customer Cloud Service](#)
- [Digital Asset Cloud Service](#)
- [Market Settlements Management Cloud Service](#)
- [Meter Solution Cloud Service](#)
- [Rate Cloud Service](#)
- [Work and Asset Cloud Service](#)

Billing Cloud Service

The following database changes apply to Oracle Utilities Billing Cloud Service:

- [Customer-Related Database Changes](#)
- [Meter-Related Database Changes](#)
- [Application Framework Database Changes](#)

Customer Care and Billing Cloud Service

The following database changes apply to Oracle Utilities Customer Care and Billing Cloud Service:

- [Customer-Related Database Changes](#)
- [Application Framework Database Changes](#)

Customer Cloud Service

The following database changes apply to Oracle Utilities Customer Cloud Service:

- [Customer-Related Database Changes](#)
- [Meter-Related Database Changes](#)
- [Work and Asset-Related Database Changes](#)
- [Application Framework Database Changes](#)

Digital Asset Cloud Service

The following database changes apply to Oracle Utilities Digital Asset Cloud Service:

- [Customer-Related Database Changes](#)
- [Meter-Related Database Changes](#)
- [Work and Asset-Related Database Changes](#)

- [Application Framework Database Changes](#)

Market Settlements Management Cloud Service

The following database changes apply to Oracle Utilities Market Settlements Management Cloud Service:

- [Meter-Related Database Changes](#)
- [Application Framework Database Changes](#)

Meter Solution Cloud Service

The following database changes apply to Oracle Utilities Meter Solution Cloud Service:

- [Meter-Related Database Changes](#)
- [Work and Asset-Related Database Changes](#)
- [Application Framework Database Changes](#)

Rate Cloud Service

The following database changes apply to Oracle Utilities Rate Cloud Service:

- [Customer-Related Database Changes](#)
- [Application Framework Database Changes](#)

Work and Asset Cloud Service

The following database changes apply to Oracle Utilities Work and Asset Cloud Service:

- [Work and Asset-Related Database Changes](#)
- [Application Framework Database Changes](#)

Chapter 2

Customer-Related Database Changes

This chapter provides lists of customer-related database changes in the 23C release of Oracle Utilities cloud services. This includes:

- [New Indexes](#)

New Indexes

Table_Name	Index_Name
CL_CC	XT057S8

Chapter 3

Meter-Related Database Changes

This chapter provides lists of meter-related database changes in the 23C release of Oracle Utilities cloud services. This includes:

- [New Tables](#)
- [New Indexes](#)
- [Deleted Indexes](#)
- [New Columns](#)
- [Updated Columns](#)
- [Dropped Primary Keys](#)

New Tables

Table	Name	Description
D1_CONTACT_COMM*	Contact Communication	Used to store customer communications, usually as part of an enrollment or unenrollment process
D1_CONTACT_COMM_CHAR*	Contact Communication Characteristics	Used to store characteristics associated with a customer communication
D1_CONTACT_COMM_K*	Contact Communication Key	Used to store primary keys associated with a customer communication
D1_CONTACT_COMM_LOG*	Contact Communication Log	Used to capture log details for a customer communication
D1_CONTACT_COMM_LOG_PARM*	Contact Communication Log Parameters	Used to capture log parameters for a customer communication
D1_CONTACT_COMM_REL_OBJ*	Contact Communication Related Object	Used to store related objects associated with a customer communication

* Used by Digital Asset Cloud Service

New Indexes

Table_Name	Index_Name
D1_CONTACT_COMM*	D1T653P0
D1_CONTACT_COMM*	D1T653S1
D1_CONTACT_COMM_CHAR*	D1T655P0
D1_CONTACT_COMM_CHAR*	D1T655S1
D1_CONTACT_COMM_K*	D1T654P0
D1_CONTACT_COMM_LOG*	D1T656P0
D1_CONTACT_COMM_LOG_PARM*	D1T657P0
D1_CONTACT_COMM_REL_OBJ*	D1T658P0
D1_DYN_OPT_EVENT*	D1T230S1
D1_DYN_OPT_EVENT*	D1T230S2
D1_DYN_OPT_EVENT*	D1T230S3
D1_GTT4	D1T407S0
D1_GTT7	D1T554S0
D1_GTT8	D1T555S0

* Used by Digital Asset Cloud Service

Deleted Indexes

Table_Name	Index_Name
D1_GTT4	D1T407P0
D1_GTT7	D1T554P0
D1_GTT8	D1T555P0

New Columns

Table_Name	Column_Name	Data Type	Data Length
D1_DYN_OPT_QUESTION*	RESPONSE_REQ_FLG	CHAR	4
D1_DYN_OPT_QUESTION*	QUESTION_CATEGORY	VARCHAR2	254
D1_DYN_OPT_TYPE*	LOCATION_REQD_SOURCE_FLG	CHAR	4

D1_US*	PGM_ENRL_SRC_FLG	CHAR	4
D1_USAGE*	EXTRACT_FLG	CHAR	4

* Used by Digital Asset Cloud Service

Updated Columns

Table_Name	Column_Name	From	To
D1_DYN_OPT_QUESTION*	D1_ANSWER_CD	NOT NULL	NULLABLE
D1_GTT4	MAINT_OBJ_CD	NOT NULL	NULLABLE
D1_GTT4	D1_DEVICE_ID	NOT NULL	NULLABLE
D1_GTT4	D1_SP_ID	NOT NULL	NULLABLE
D1_GTT4	DEVICE_TYPE_CD	NOT NULL	NULLABLE
D1_GTT4	MSRMT_D'TTM	NOT NULL	NULLABLE
D1_GTT7	D1_SP_ID	NOT NULL	NULLABLE
D1_GTT7	D1_SP_TYPE_CD	NOT NULL	NULLABLE
D1_GTT7	TIME_ZONE_CD	NOT NULL	NULLABLE
D1_GTT7	US_ID	NOT NULL	NULLABLE
D1_GTT7	US_TYPE_CD	NOT NULL	NULLABLE
D1_GTT8	D1_SP_ID	NOT NULL	NULLABLE
D1_GTT8	D1_QUANTITY1	NOT NULL	NULLABLE
D1_GTT8	D1_QUANTITY2	NOT NULL	NULLABLE
D1_GTT8	D1_QUANTITY3	NOT NULL	NULLABLE
D1_GTT8	D1_QUANTITY4	NOT NULL	NULLABLE
D1_GTT8	D1_QUANTITY5	NOT NULL	NULLABLE
D1_GTT8	US_ID	NOT NULL	NULLABLE

* Used by Digital Asset Cloud Service

Dropped Primary Keys

Table_Name
D1_GTT10
D1_GTT4
D1_GTT7

D1_GTT8

D1_GTT9

Chapter 4

Work and Asset-Related Database Changes

This chapter provides lists of work and asset-related database changes in the 23C release of Oracle Utilities cloud services. This includes:

- [New Tables](#)
- [New Columns](#)
- [New Indexes](#)

New Tables

Table	Name	Description
W1_DESIGN_ELEMENT_PLAN_SH_TYPE	Design Element Planned Service History	Used to capture planned service histories for template construction work activities

New Columns

Table_Name	Column_Name	Data Type	Data Length
W1_DESIGN_ELEMENT	ACT_DURATION	NUMBER	22
W1_DESIGN_ELEMENT	UOT_FLG	CHAR	4
W1_DESIGN_ELEMENT_PLAN_SH_TYPE	DESIGN_ELEMENT_ID	CHAR	12
W1_DESIGN_ELEMENT_PLAN_SH_TYPE	SVC_HIST_TYPE_CD	VARCHAR2	30
W1_DESIGN_ELEMENT_PLAN_SH_TYPE	SVC_HIST_TYPE_REQ_FLG	CHAR	4
W1_DESIGN_ELEMENT_PLAN_SH_TYPE	VERSION	NUMBER	22

New Indexes

Table_Name	Index_Name	Column_Name
W1_DESIGN_ELEMENT_PLAN_SH_TYPE	W1T971P0	DESIGN_ELEMENT_ID
W1_DESIGN_ELEMENT_PLAN_SH_TYPE	W1T971P0	SVC_HIST_TYPE_CD

Chapter 5

Application Framework Database Changes

This chapter provides lists of database changes in Oracle Utilities Application Framework included with the 23C release of Oracle Utilities cloud services. This includes:

- [New Tables](#)
- [New Views](#)
- [New Columns](#)
- [Updated Columns](#)

New Tables

Table	Name	Description
F1_MST_CONFIG_CHAR	Master Configuration Characteristics	Future use only.
F1_BUS_OBJ_STATUS_VW	Business Object Status View	New view populates status description with the override description (if populated) otherwise with the description. SQLs that need the BO status description can use this view instead of doing the work to check the override description.
F1_BUS_OBJ_STATUS_RSN_VW	Status Reason View	New view populates status reason description with the override description (if populated) otherwise with the description. SQLs that need the BO status reason description can use this view instead of doing the work to check the override description.

New Views

Table	Description	Description
F1_BUS_OBJ_STATUS_VW	Business Object Status View	New view populates status description with the override description (if populated) otherwise with the description. SQLs that need the BO status description can use this view instead of doing the work to check the override description.
F1_BUS_OBJ_STATUS_RSN_VW	Status Reason View	New view populates status reason description with the override description (if populated) otherwise with the description. SQLs that need the BO status reason description can use this view instead of doing the work to check the override description.

New Columns

Table_Name	Column_Name	Data Type	Data Length
F1_BUS_OBJ_STATUS_L	DESCR_OVRD	VARCHAR2	60
F1_BUS_OBJ_STATUS_RSN_L	DESCR_OVRD	VARCHAR2	60
F1_BUS_OBJ_TR_RULE_L	BO_NEXT_STATUS_OVRD_LBL	VARCHAR2	60
F1_MST_CONFIG	CONFIG_PART_NAME	VARCHAR2	254
F1_MST_CONFIG	CONFIG_CLS_FLG	CHAR	4

Updated Columns

Table_Name	Column_Name	Old Configuration	New Configuration
F1_BUS_OBJ_STATUS_L	DESCR	Null	Space as default
F1_BUS_OBJ_STATUS_L	OWNER_FLG	Null	Space as default

F1_BUS_OBJ_STATUS_L	DESCRLONG	Null	Space as default
F1_BUS_OBJ_STATUS_L	DESCR_OVRD	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	DESCR	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	OWNER_FLG	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	DESCRLONG	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	DESCR_OVRD	Null	Space as default
F1_BUS_OBJ_TR_RULE_L	BO_NEXT_STATUS_LBL	Null	Space as default
F1_BUS_OBJ_TR_RULE_L	OWNER_FLG	Null	Space as default
F1_BUS_OBJ_TR_RULE_L	BO_NEXT_STATUS_OVRD_LBL	Null	Space as default