Comergent eBusiness System

Release 7.1.1

Migration Guide

Sterling Commerce
An IBM Company

Comergent eBusiness System Migration Guide

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CHAPTER 1

Introduction

This Migration Guide provides a summary of all the changes made to the Comergent eBusiness System schema from one release to the next. It comprises:

- CHAPTER 2, "Release 4.x to Release 5.0 Migration"
- CHAPTER 3, "Release 5.5 to Release 5.5.1 Migration"
- CHAPTER 5, "Release 5.5.3 to Release 5.6 Migration"
- CHAPTER 6, "Release 5.6 to Release 6.0 Migration"
- CHAPTER 7, "Release 6.0 to Release 6.3 Migration"
- CHAPTER 8, "Release 6.3.1 to Release 6.4.1 Migration"
- CHAPTER 9, "Release 6.4.1 to Release 6.7 Migration"
- CHAPTER 10, "Release 6.7 to Release 7.0 Migration"
- CHAPTER 11, "Release 7.0.2 to Release 7.1 Migration"

Each chapter follows the same structure:

- General
- New Database Objects
- Deleted Database Objects
- Procedures

- Indexes
- XML Schema Changes

You can track the changes to database tables or to data objects by looking them up in the Index and then seeing the changes that have been made in one or more releases.

In general, database schema are described in terms of Oracle data types and objects. If you are working on either a DB2 or SQL Server, then you must allow for the differences in data types and procedures between the database servers.

CHAPTER 2

Release 4.x to Release 5.0 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 4.x to Release 5.0.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- Field length for some of the fields like NAME, DESCRIPTION have been shortened. You do not need to implement this change because the application does not rely on field size. This change was made only for the purpose of implementing on MS SQL Server (there is a limit on row size).
- All the indexes have been moved to the INDX tablespace separate from the tablespace which contains data tables.
- The CMGT_ORDERS table has been significantly changed from Release 4.x to Release 5.0: please refer to "CMGT_ORDERS Changes" on page 17 for a description of the changes.

- Support for multiple locales has resulted in several tables being split into two parts. The localized data is referenced using the primary key of the parent table combined with the locale.

New Database Objects

List of New Tables

The following is the list of new tables which have been added in Release 5.0. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_tables.sql** for their descriptions.

- CMGT_PROMOTION_EVENT
- CMGT_CRON
- CMGT_ORDER_ADDRESSES
- CMGT_ORDER_LINE_ITEMS
- CMGT_ORDER_SERIAL_ITEMS
- CMGT_RETURNS
- CMGT_RETURN_LINE_ITEMS
- CMGT_RETURN_SERIAL_ITEMS
- CMGT_FTR_TYP_X_EXPSET
- CMGT_IMPORTSET
- CMGT_ASSEMBLY_ITEM_LOCALE
- CMGT_CONDITION_LOCALE
- CMGT_FEATURE_LOCALE
- CMGT_FEATURE_TYPE_LOCALE
- CMGT_FEATURE_TYPE_GROUP_LOCALE
- CMGT_FILTER_LOCALE
- CMGT_FILTER_LOCALE
- CMGT_LOCALE
- CMGT_PRODUCT_LOCALE
- CMGT_PRODUCT_CATEGORY_LOCALE

- CMGT_QUERY_PAGE_LOCALE
- CMGT_QUESTIONNAIRE_LOCALE
- CMGT_RESOURCE_LOCALE
- CMGT_RESOURCE_TYPE_LOCALE
- CMGT_RULE_LOCALE
- CMGT_RULE_SET_LOCALE
- CMGT_PROD_COMPARE_LOG
- CMGT_PROD_DETAIL_LOG
- CMGT_PRDCT_CAT_X_PRDCT
- CMGT_PRDCT_X_EXPSET

List of New Indexes

The following is the list of new indexes which have been added in Release 5.0. Please refer to "Indexes" on page 14 or **WEB-INF/sql/Oracle/setup/oracle_indexes.sql** for their descriptions. Please note that all the indexes in Release 5.0 are created in a separate INDX tablespace.

TABLE 1. New Indexes

Table	New Index	Columns (in order)
CMGT_ACCESSLIST	ACL_ACCESS	ACL_KEY
CMGT_ADDRESSES	CMGT_ADDR_PARTNER	PARTNER_KEY
CMGT_ASSEMBLY_ITEM	ASSEMBLY_ITEM_PARENT_SKU	PARENT_SKU_NAME
CMGT_CARTS	CART_PARTNER	PARTNER_KEY
CMGT_CARTS	CART_USER	USER_KEY
CMGT_CART_LINES	CART_LINE_CART_KEY	CART_KEY
CMGT_USER_CONTACTS	CONTACT_PARTNER	PARTNER_KEY
CMGT_FACT	FACT_FILTER	FILTER_KEY
CMGT_FEATURE	FEATURE_FEATURE_TYPE	FEATURE_TYPE_KEY
CMGT_FILTER	FILTER_CONDITION	CONDITION_KEY
CMGT_FILTER_X_FEATURE	FILTER_FEATURE	FEATURE_KEY
CMGT_GROUPS	GROUPS_PARTNER	PARTNER_KEY
PARTNER_FORECAST_PARTNER	CMGT_PARTNER_FORECAST_HDR	PARTNER_KEY

TABLE 1. New Indexes (Continued)

Table	New Index	Columns (in order)
CMGT_USER_WORKSPACE(	WORKSPACE_USER_KEY	USER_KEY
CMGT_ADDRESSES	CMGT_ADDR_CONTACT	USER_KEY
CMGT_PHONES	CMGT_PH_CONTACT	USER_KEY
CMGT_PHONES	CMGT_PH_PARTNER	PARTNER_KEY
CMGT_PRODUCT_CATEGORY	PRODUCT_CATEGORY_PARENT	PARENT_CATEGORY_KEY
CMGT_PRODUCT_X_FEATURE	PRODUCT_X_FEATURE	FEATURE_KEY
CMGT_PRDCT_CTGRY_X_FTR_TYP	PRDCT_CTRY_FTR_TYPE	PRODUCT_CATEGORY_KEY, FEATURE_TYPE_KEY
CMGT_PROMOTION_CONTROL	PROMOTION_CTL	PROMOTION_KEY
CMGT_QUERY_PAGE	QUERY_PAGE_QUEST	QUESTIONNAIRE_KEY
CMGT_QUERY_PAGE_X_CONDITION	QUERY_PAGE_CONDITION	CONDITION_KEY
CMGT_RESOURCE	RESOURCE_TYPE	RESOURCE_TYPE_KEY
CMGT_RULE	RULE_RULE_SET	RULE_SET_KEY
CMGT_RULE	RULE_RULE_SET	RULE_SET_KEY
CMGT_RULE	RULE_QUERY_PAGE	QUERY_PAGE_KEY
CMGT_RULE	RULE_ACTION	ACTION
CMGT_RULE_X_FACT	RULE_FACT	FACT_KEY
CMGT_DISTI_ORDER_ACK_LINES	DISTI_ACK_LINES	CART_KEY
CMGT_GROUP_GROUPS	GROUP_GROUP_OWNER	OWNER_GROUP_KEY
CMGT_DISTI_ORDER_ACK_LINES	DISTI_ACK_LINES	CART_KEY
CMGT_GROUP_GROUPS	GROUP_GROUP_OWNER	OWNER_GROUP_KEY
CMGT_INV_LINES	INV_LINES_INV_KEY	INVENTORY_KEY
CMGT_INV_LINE_AVAILABILITY	INV_LINES_AVAIL	INV_LINE_KEY
AVAILABILITY	AVAILABILITY_SKU	SKU
CMGT_ASSEMBLY_ITEM_LOCALE	ASSEMBLY_ITEM_LOCALE	ASSEMBLY_ITEM_KEY, LOCALE
CMGT_CONDITION_LOCALE	CONDITION_LOCALE	CONDITION_KEY, LOCALE
CMGT_FEATURE_LOCALE	FEATURE_LOCALE	FEATURE_KEY, LOCALE

TABLE 1. New Indexes (Continued)

Table	New Index	Columns (in order)
CMGT_FEATURE_TYPE_LOCALE	FEATURE_TYPE_LOCALE	FEATURE_TYPE_KEY, LOCALE
CMGT_FEATURE_TYPE_GROUP_LOCALE	FEATURE_TYPE_GROUP	FEATURE_TYPE_GROUP_KEY, LOCALE
CMGT_FILTER_LOCALE	FILTER_LOCALE	FILTER_KEY, LOCALE
CMGT_PRODUCT_LOCALE	PRODUCT_LOCALE	SKU_NAME,LOCALE
CMGT_PRODUCT_CATEGORY_LOCALE	PRODUCT_CATEGORY_LOCALE	PRODUCT_CATEGORY_KEY, LOCALE
CMGT_QUERY_PAGE_LOCALE	QUERY_PAGE_LOCALE	QUERY_PAGE_KEY, LOCALE
CMGT_QUESTIONNAIRE_LOCALE	QUESTIONNAIRE_LOCALE	QUESTIONNAIRE_KEY, LOCALE
CMGT_RESOURCE_LOCALE	RESOURCE_LOCALE	RESOURCE_TYPE_KEY, RESOURCE_KEY, LOCALE
CMGT_RESOURCE_TYPE_LOCALE	RESOURCE_TYPE_LOCALE	RESOURCE_TYPE_KEY, LOCALE
CMGT_RULE_LOCALE	RULE_LOCALE	RULE_KEY, LOCALE
CMGT_RULE_SET_LOCALE	RULE_SET_LOCALE	RULE_SET_KEY, LOCALE

List of New Triggers

The following is the list of new triggers which have been added in Release 5.0. Since the trigger descriptions are too complex to incorporate in here, please refer to the **WEB-INF/sql/Oracle/setup/oracle_triggers.sql** for their descriptions.

1. VW_CMGT_USER_PRICELIST
2. ORDER_LINES
3. ORDER_SERIAL_ITEM
4. RETURNS
5. RETURN_LINE_ITEMS
6. RETURN_SERIAL_ITEMS
7. IMPORTSET_TRIGGER
8. ASSIGNED_SKU_TRIGGER
9. AI_LOCALE_TRIGGER

10. CONDITION_LOCALE_TRIGGER
11. FEATURE_LOCALE_TRIGGER
12. FEATURE_TYPE_LOCALE_TRIGGER
13. FT_GROUP_LOCALE_TRIGGER
14. FILTER_LOCALE_TRIGGER
15. PRODUCT_LOCALE_TRIGGER
16. PC_LOCALE_TRIGGER
17. QP_LOCALE_TRIGGER
18. QUEST_LOCALE_TRIGGER
19. RESOURCE_LOCALE_TRIGGER
20. RT_LOCALE_TRIGGER
21. RULE_LOCALE_TRIGGER
22. RS_LOCALE_TRIGGER
23. LOOKUP_LOCALE_TRIGGER

List Of New Views

The following is the list of new views which have been added in Release 5.0. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_views.sql** for their descriptions.

1. VW_CMGT_USER_PRICELIST
2. VW_CMGT_PARTNER_VERTICALS
3. VW_CMGT_X_PARTNERS
4. VW_CMGT_CURRENCIES
5. VW_CMGT_ORDERS
6. VW_CMGT_ORDER_LINE_ITEMS
7. VW_CMGT_PRODUCT_CATEGORY
8. VW_CMGT_PRDCT_CAT_X_PRDCT
9. VW_PRODUCT_LOCALE
10. VW_PRODUCT_CATEGORY_LOCALE

List of New Sequences

The following is the list of new sequences, which have been added in Release 5.0. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_sequences.sql** script for their descriptions.

1. ORDER_LINE_KEY_SEQ
2. ORDER_SERIAL_KEY_SEQ
3. RETURN_KEY_SEQ
4. RETURN_LINE_KEY_SEQ
5. RETURN_SERIAL_KEY_SEQ
6. IMPORTSET_KEY_SEQ
7. EXPORTSET_KEY_SEQ
8. LOCALE_KEY_SEQ

List of New Sequence Procedures

The following is the list of new sequence procedures which have been added in Release 5.0. Please refer to the **WEB-INF/sql/Oracle/setup/ oracle_sequence_procedures.sql** for their descriptions.

1. ORDERLINEKEY
2. ORDERSERIALKEY
3. RETURNKEY
4. RETURNLINEKEY
5. RETURNSERIALKEY
6. EXPORTSETKEY
7. IMPORTSETKEY
8. LOCALEKEY

Refer to "Procedures" on page 14 for the actual definitions.

Deleted Database Objects

List of Deleted Tables

1. CMGT_MASTER_SKU

2. CMGT_PARTNER_PROMOTIONS
3. CMGT_SESSIONS

List of Deleted Views

1. VW_CMGT_MASTER_SKU

List of Deleted Indexes

1. CMGT_LOOKUP_CODE
2. CMGT_ADDR_CONTACT
3. CMGT_PH_CONTACT

Modified Database Objects

Constraint Changes

Not Null Constraint(s) and Default Value Changes

In CMGT_ORDERS, rename ORDER_STATUS to ERP_ORDER_STATUS and make it nullable.

Primary Key Constraint(s) Changes

TABLE 2. Constraint Changes

Table	Constraint	Column(s)	Comment
CMGT_PRODUCT	PK_PRODUCT	SKU_NAME	New constraint
CMGT_PRDCT_CAT_X_PRDCT	PK_PRODUCT_CAT_X_PRDCT	PRODUCT_CATEGORY_KEY	New constraint
		SKU_NAME	
CMGT_PRODUCT_X_FEATURE_NEW	PK_PRODUCT_X_FEATURE	SKU_NAME	
		FEATURE_KEY	
CMGT_PRDCT_CLSFCTN_EXPSET	PK_PRDCT_CLSFCTN_EXPSET	SKU_NAME	New constraint
		DOMAIN_KEY	
		CLASSIFICATION_CODE	

Foreign Key Constraints Changes

```
ALTER TABLE CMGT_PRODUCT_X_FEATURE ADD CONSTRAINT
FK_PRDCT_X_FTR_PRDCT FOREIGN KEY (SKU_NAME )
REFERENCES CMGT_PRODUCT (SKU_NAME) ON DELETE CASCADE;
ALTER TABLE CMGT_ASSEMBLY_ITEM ADD CONSTRAINT
FK_ASSEMBLY_ITEM FOREIGN KEY (PARENT_SKU_NAME)
REFERENCES CMGT_PRODUCT (SKU_NAME) ON DELETE CASCADE;
ALTER TABLE CMGT_PRDCT_CLSFCTN_EXPSET ADD CONSTRAINT
FK_PRDCT_CLSFCTN_EXPSET FOREIGN KEY (SKU_NAME )
REFERENCES CMGT_PRODUCT ( SKU_NAME) ON DELETE CASCADE;
ALTER TABLE CMGT_PRDCT_CAT_X_PRDCT ADD CONSTRAINT
FK_PRDCT_CAT_X_PRDCT_PC FOREIGN KEY (PRODUCT_CATEGORY_KEY)
REFERENCES CMGT_PRODUCT_CATEGORY (PRODUCT_CATEGORY_KEY)
ON DELETE CASCADE;
ALTER TABLE CMGT_PRDCT_CAT_X_PRDCT ADD CONSTRAINT
FK_PRDCT_CAT_X_PRDCT_P1 FOREIGN KEY (SKU_NAME) REFERENCES
CMGT_PRODUCT (SKU_NAME) ON DELETE CASCADE;
```

Column Renames

TABLE 3. Renamed Columns

Table	Column Name in Release 4.x	Column Name in Release 5.x
CMGT_CARTS	STATUS	CART_STATUS
CMGT_DISTI_ORDER_ACK_LINES	STATUS	ACK_LINE_STATUS
CMGT_PARTNERS	TYPE	PARTNER_TYPE
CMGT_PROMOTION_CONTROL	TYPE	PARTNER_TYPE
CMGT_PHONES	TYPE	PHONE_TYPE
CMGT_PARTNER_PROPMOTIONS	TYPE	EVENT_TYPE
CMGT_RESOURCE_TYPE	TYPE	RESOURCE_TYPE
CMGT_PA_CART_LOG	OWNER	OWNED_BY
CMGT_SCT_CART_LOG	OWNER	OWNED_BY
CMGT_ORDERS	ORDER_STATUS	ERP_ORDER_STATUS
CMGT_RESOURCE_TYPE	TYPE	RESOURCE_TYPE
CMGT_EXPORTSET	EXPORT_KEY	EXPORTSET_KEY

Data Type Changes

There are no data type changes.

New Columns

TABLE 4. New Columns

Table	New Column	Column Specification
CMGT_CURRENCIES	CONVERSION_FACTOR	FLOAT
	FROM_EURO_FACTOR	FLOAT
	TO_EURO_FACTOR	FLOAT
	EURO_FLAG	NUMBER(1) DEFAULT 1
	LOCALE	VARCHAR2(10)
CMGT_CARTS	ROUTE_STATUS	VARCHAR2(120)
	ROUTE_USER_KEY	NUMBER(20)
	ROUTE_NOTES	VARCHAR2(480)
	ROUTE_FROM_USER_KEY	NUMBER(20)
	ROUTE_DATE	DATE
CMGT_ADDRESSES	SOLD_TO	NUMBER(1)
	SHIP_TO	NUMBER(1)
	BILL_TO	NUMBER(1)
	DEFAULT_SOLD_TO	NUMBER(1)
	DEFAULT_SHIP_TO	NUMBER(1)
	DEFAULT_BILL_TO	NUMBER(1)
CMGT_FEATURE_TYPE	COMPARABILITY	NUMBER(2)
CMGT_QUERY_PAGE	PAGE_TEMPLATE	VARCHAR2(100)
CMGT_LOOKUPS	LOCALE	VARCHAR2(10)
	FLAG	NUMBER(1)
CMGT_EXPORTSET	FILENAME_PREFIX	VARCHAR2(520)

Deleted Columns

TABLE 5. Deleted Columns

Table	Column
CMGT_CARTS	ADDRESS_KEY
CMGT_ORDERS	SESSION_ID
CMGT_EXPORTSET	STORAGE_LOCATION

Procedures

```
Create or replace procedure orderlinekey (p_key out number)
as begin select ORDER_LINE_KEY_SEQ.nextval into p_key from dual;
end orderlinekey;
Create or replace procedure orderserialkey (p_key out number)
as begin select ORDER_SERIAL_KEY_SEQ.nextval into p_key from dual;
end orderserialkey;
Create or replace procedure returnkey (p_key out number)
as begin select RETURN_KEY_SEQ.nextval into p_key from dual;
end returnkey;
Create or replace procedure returnlinekey (p_key out number)
as begin select RETURN_LINE_KEY_SEQ.nextval into p_key from dual;
end returnlinekey;
Create or replace procedure returnserialkey (p_key out number)
as begin Select RETURN_SERIAL_KEY_SEQ.nextval into p_key from dual;
end returnserialkey;
Create or replace procedure exportsetkey (p_key out number)
as begin select EXPORTSET_KEY_SEQ.nextval into p_key from dual;
end exportsetkey;
Create or replace procedure importsetkey (p_key out number)
as begin select IMPORTSET_KEY_SEQ.nextval into p_key from dual;
end importsetkey;
Create or replace procedure localekey (p_key out number)
as begin select LOCALE_KEY_SEQ.nextval into p_key from dual;
end localekey;
```

Indexes

```
DROP INDEX ACL_ACCESS;
CREATE INDEX ACL_ACCESS ON CMGT_ACCESSLIST (ACL_KEY) TABLESPACE INDX;
DROP INDEX CMGT_ADDR_PARTNER;
CREATE INDEX CMGT_ADDR_PARTNER ON (PARTNER_KEY) TABLESPACE INDX;
DROP INDEX ASSEMBLY_ITEM_PARENT_SKU;
CREATE INDEX ASSEMBLY_ITEM_PARENT_SKU ON CMGT_ASSEMBLY_ITEM
(PARENT_SKU_NAME) TABLELESPACE INDX;
DROP INDEX CART_PARTNER;
CREATE INDEX CART_PARTNER ON CMGT_CARTS (PARTNER_KEY) TABLESPACE INDX;
DROP INDEX CART_USER;
CREATE INDEX CART_USER ON CMGT_CARTS (USER_KEY) TABLESPACE INDX;
DROP INDEX CART_LINE_CART_KEY;
CREATE INDEX CART_LINE_CART_KEY ON CMGT_CART_LINES CART_KEY)
TABLESPACE INDX;
DROP INDEX CONTACT_PARTNER;
CREATE INDEX CONTACT_PARTNER ON CMGT_USER_CONTACTS (PARTNER_KEY)
TABLESPACE INDX;
DROP INDEX FACT_FILTER;
```

```
CREATE INDEX FACT_FILTER ON CMGT_FACT (FILTER_KEY) TABLESPACE INDX;
DROP INDEX FEATURE_FEATURE_TYPE;
CREATE INDEX FEATURE_FEATURE_TYPE ON CMGT_FEATURE (FEATURE_TYPE_KEY)
TABLESPACE INDX;
DROP INDEX FILTER_CONDITION;
CREATE INDEX FILTER_CONDITION ON CMGT_FILTER (CONDITION_KEY)
TABLESPACE INDX;
DROP INDEX FILTER_FEATURE;
CREATE INDEX FILTER_FEATURE ON CMGT_FILTER_X_FEATURE (FEATURE_KEY)
TABLESPAC INDX;
DROP INDEX GROUPS_PARTNER;
CREATE INDEX GROUPS_PARTNER ON CMGT_GROUPS(PARTNER_KEY) TABLESPACE
INDX;
DROP INDEX PARTNER_FORECAST_PARTNER;
CREATE INDEX PARTNER_FORECAST_PARTNER ON CMGT_PARTNER_FORECAST_HDR
(PARTNER_KEY) TABLESPACE INDX;
DROP INDEX WORKSPACE_USER_KEY;
CREATE INDEX WORKSPACE_USER_KEY ON CMGT_USER_WORKSPACE (USER_KEY)
TABLESPACE INDX;
DROP INDEX CMGT_ADDR_USER;
CREATE INDEX CMGT_ADDR_CONTACT ON CMGT_ADDRESSES (USER_KEY) TABLESPACE
INDX;
DROP INDEX CMGT_PH_CONTACT;
CREATE INDEX CMGT_PH_CONTACT ON CMGT_PHONES (USER_KEY) TABLESPACE
INDX;
DROP INDEX CMGT_PH_PARTNER;
CREATE INDEX CMGT_PH_PARTNER ON CMGT_PHONES (PARTNER_KEY) TABLESPACE
INDX;
DROP INDEX PRODUCT_CATEGORY_PARENT;
CREATE INDEX PRODUCT_CATEGORY_PARENT ON CMGT_PRODUCT_CATEGORY
(PARENT_CATEGORY_KEY) TABLESPACE INDX;
DROP INDEX PRODUCT_X_FEATURE;
CREATE INDEX PRODUCT_X_FEATURE ON CMGT_PRODUCT_X_FEATURE
(FEATURE_KEY) TABLESPACE INDX;
DROP INDEX PRDCT_CTRY_FTR_TYPE;
CREATE INDEX PRDCT_CTRY_FTR_TYPE ON CMGT_PRDCT_CTGRY_X_FTR_TYP
(PRODUCT_CATEGORY_KEY, FEATURE_TYPE_KEY) TABLESPACE INDX;
DROP INDEX PROMOTION_CTL;
CREATE INDEX PROMOTION_CTL ON CMGT_PROMOTION_CONTROL (PROMOTION_KEY)
TABLESPACE INDX;
DROP INDEX QUERY_PAGE_QUEST;
CREATE INDEX QUERY_PAGE_QUEST ON CMGT_QUERY_PAGE (QUESTIONNAIRE_KEY)
TABLESPACE INDX;
DROP INDEX QUERY_PAGE_CONDITION;
CREATE INDEX QUERY_PAGE_CONDITION ON CMGT_QUERY_PAGE_X_CONDITION
(CONDITION_KEY) TABLESPACE INDX;
DROP INDEX RESOURCE_TYPE;
CREATE INDEX RESOURCE_TYPE ON CMGT_RESOURCE (RESOURCE_TYPE_KEY)
TABLESPACE INDX;
```

```
DROP INDEX RULE_RULE_SET;
CREATE INDEX RULE_RULE_SET ON CMGT_RULE (RULE_SET_KEY) TABLESPACE
INDX;
DROP INDEX RULE_QUERY_PAGE;
CREATE INDEX RULE_QUERY_PAGE ON CMGT_RULE (QUERY_PAGE_KEY) TABLESPACE
INDX;
DROP INDEX RULE_FACT;
CREATE INDEX RULE_FACT ON CMGT_RULE_X_FACT (FACT_KEY) TABLESPACE INDX;
DROP INDEX DISTI_ACK_LINES;
CREATE INDEX DISTI_ACK_LINES ON CMGT_DISTI_ORDER_ACK_LINES (CART_KEY)
TABLESPACE INDX;
DROP INDEX GROUP_GROUP_OWNER;
CREATE INDEX GROUP_GROUP_OWNER ON CMGT_GROUP_GROUPS (OWNER_GROUP_KEY)
TABLESPACE INDX;
DROP INDEX DISTI_ACK_LINES;
CREATE INDEX DISTI_ACK_LINES ON CMGT_DISTI_ORDER_ACK_LINES (CART_KEY)
TABLESPACE INDX;
DROP INDEX GROUP_GROUP_OWNER;
CREATE INDEX GROUP_GROUP_OWNER ON CMGT_GROUP_GROUPS (OWNER_GROUP_KEY)
TABLESPACE INDX;
DROP INDEX INV_LINES_INV_KEY;
CREATE INDEX INV_LINES_INV_KEY ON CMGT_INV_LINES (INVENTORY_KEY)
TABLESPACE INDX;
DROP INDEX INV_LINES_AVAIL;
CREATE INDEX INV_LINES_AVAIL ON CMGT_INV_LINE_AVAILABILITY
(INV_LINE_KEY) TABLESPACE INDX;
DROP INDEX AVAILABILITY_SKU;
CREATE INDEX AVAILABILITY_SKU ON AVAILABILITY (SKU) TABLESPACE INDX;
DROP INDEX ASSEMBLY_ITEM_LOCALE;
CREATE INDEX ASSEMBLY_ITEM_LOCALE ON CMGT_ASSEMBLY_ITEM_LOCALE
(ASSEMBLY_ITEM_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX CONDITION_LOCALE;
CREATE INDEX CONDITION_LOCALE ON CMGT_CONDITION_LOCALE
(CONDITION_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX FEATURE_LOCALE;
CREATE INDEX FEATURE_LOCALE ON CMGT_FEATURE_LOCALE (FEATURE_KEY,
LOCALE) TABLESPACE INDX;
DROP INDEX FEATURE_TYPE_LOCALE;
CREATE INDEX FEATURE_TYPE_LOCALE ON CMGT_FEATURE_TYPE_LOCALE
(FEATURE_TYPE_KEY,LOCALE) TABLESPACE INDX;
DROP INDEX FEATURE_TYPE_GROUP;
CREATE INDEX FEATURE_TYPE_GROUP ON CMGT_FEATURE_TYPE_GROUP_LOCALE
(FEATURE_TYPE_KEY,GROUP_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX FILTER_LOCALE;
CREATE INDEX FILTER_LOCALE ON CMGT_FILTER_LOCALE (FILTER_KEY, LOCALE)
TABLESPACE INDX;
DROP INDEX PRODUCT_LOCALE;
CREATE INDEX PRODUCT_LOCALE ON CMGT_PRODUCT_LOCALE (SKU_NAME, LOCALE)
TABLESPACE INDX;
```

```
DROP INDEX PRODUCT_CATEGORY_LOCALE;
CREATE INDEX PRODUCT_CATEGORY_LOCALE ON CMGT_PRODUCT_CATEGORY_LOCALE
(PRODUCT_CATEGORY_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX QUERY_PAGE_LOCALE;
CREATE INDEX QUERY_PAGE_LOCALE ON CMGT_QUERY_PAGE_LOCALE
(QUERY_PAGE_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX QUESTIONNAIRE_LOCALE;
CREATE INDEX QUESTIONNAIRE_LOCALE ON CMGT_QUESTIONNAIRE_LOCALE
(QUESTIONNAIRE_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX RESOURCE_LOCALE;
CREATE INDEX RESOURCE_LOCALE ON CMGT_RESOURCE_LOCALE
(RESOURCE_TYPE_KEY, RESOURCE_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX RESOURCE_TYPE_LOCALE;
CREATE INDEX RESOURCE_TYPE_LOCALE ON CMGT_RESOURCE_TYPE_LOCALE
(RESOURCE_TYPE_KEY, LOCALE) TABLESPACE INDX;
DROP INDEX RULE_LOCALE;
CREATE INDEX RULE_LOCALE ON CMGT_RULE_LOCALE (RULE_KEY, LOCALE)
TABLESPACE INDX;
DROP INDEX RULE_SET_LOCALE;
CREATE INDEX RULE_SET_LOCALE ON CMGT_RULE_SET_LOCALE (RULE_SET_KEY,
LOCALE) TABLESPACE INDX;
```

CMGT_ORDERS Changes

Release 4.x Description

```
create table CMGT_ORDERS
(ORDER_KEY varchar2(60) NOT NULL,
CART_KEY number(20) NOT NULL,
PAYMENT_TYPE NUMBER(20) DEFAULT 1 NOT NULL,
ORDER_STATUS NUMBER(20) DEFAULT 6 NOT NULL,
ORDER_DATE DATE NOT NULL,
TOTAL_AMOUNT FLOAT,
TOTAL_NUMBER_ITEMS NUMBER(20),
SENDER_USER_AGENT VARCHAR2(300),
TAX FLOAT,
CURRENCY_CODE NUMBER(20) DEFAULT 1,
ORDER_REF_NUMBER VARCHAR2(120),
CONTACT_REF_NUMBER VARCHAR2(120),
PARTNER_REF_NUMBER VARCHAR2(120),
SHIP_TO_ADDR_REF_NUMBER VARCHAR2(120),
BILL_TO_ADDR_REF_NUMBER VARCHAR2(120)
INTEGRATION_STATUS varchar2(300) default 'N',
CREDIT_CARD_TYPE NUMBER(20),
CREDIT_CARD_HOLDER VARCHAR2(300),
PAYMENT_EXPIRATION_DATE DATE,
PAYMENT_NUMBER VARCHAR2(120),
BILL_MAIL_STOP VARCHAR2(360),
```

```
BILL_COUNTRY VARCHAR2(300),
BILL_ADDDRESS1 VARCHAR2(360),
BILL_ADDDRESS2 VARCHAR2(360),
BILL_ADDDRESS3 VARCHAR2(360),
BILL_CITY VARCHAR2(360),
BILL_POSTAL_CODE VARCHAR2(240),
BILL_STATE VARCHAR2(300),
BILL_COUNTY VARCHAR2(300),
SHIP_MAIL_STOP VARCHAR2(360),
SHIP_COUNTRY VARCHAR2(300),
SHIP_ADDDRESS1 VARCHAR2(360) NOT NULL,
SHIP_ADDDRESS2 VARCHAR2(360),
SHIP_ADDDRESS3 VARCHAR2(360),
SHIP_CITY VARCHAR2(360) NOT NULL,
SHIP_POSTAL_CODE VARCHAR2(240),
SHIP_STATE VARCHAR2(300),
SHIP_COUNTY VARCHAR2(300),
SHIPPING_CHARGES FLOAT DEFAULT 0,
OWNED_BY NUMBER(20) NOT NULL,
ACCESS_KEY number(20),
ACTIVE_FLAG varchar2(1) default 'Y',
UPDATE_DATE date,
UPDATED_BY number(20) NOT NULL,
CREATION_DATE date default sysdate,
CREATED_BY number(20) NOT NULL,
LAST_NAME varchar2(240),
FIRST_NAME varchar2(240),
EMAIL_ADDRESS varchar2(300),
PHONE_NUMBER varchar2(180),
ENCRYPTION_SEED varchar2(60),
SESSION_ID varchar2(240),
ERP_MESSAGE varchar2(10),
PRIMARY KEY (ORDER_KEY));
```

Release 5.0 Description

```
create table CMGT_ORDERS
(ORDER_KEY varchar2(60),
CART_KEY number(20) NOT NULL,
OWNED_BY NUMBER(20) NOT NULL,
ACCESS_KEY number(20),
ACTIVE_FLAG varchar2(1) default 'Y',
UPDATE_DATE date default sysdate,
UPDATED_BY number(20) NOT NULL,
CREATION_DATE date default sysdate,
CREATED_BY number(20) NOT NULL,
ERP_ORDER_STATUS NUMBER(20) DEFAULT 6,
ORDER_DATE DATE NOT NULL,
DELIVERY_DATE DATE,
REQUESTED_DATE DATE,
```

```
SHIPPED_DATE DATE,
TOTAL_AMOUNT FLOAT,
TOTAL_NUMBER_ITEMS NUMBER(20),
TAX FLOAT,
CURRENCY_CODE varchar2(60),
ORDER_REF_NUMBER VARCHAR2(120),
CONTACT_REF_NUMBER VARCHAR2(120),
PARTNER_REF_NUMBER VARCHAR2(120),
INTEGRATION_STATUS varchar2(1) default 'N',
SHIP_COMPLETE varchar2(1) default 'N',
TAXABLE varchar2(1) default 'N',
PO_NUMBER VARCHAR2(50),
PAYMENT_TYPE NUMBER(20) DEFAULT 1 NOT NULL,
CREDIT_CARD_TYPE NUMBER(20),
CREDIT_CARD_HOLDER VARCHAR2(120),
PAYMENT_EXPIRATION_DATE DATE,
PAYMENT_NUMBER VARCHAR2(60),
SHIPPING_METHOD VARCHAR2(20),
SHIPPING_CHARGES FLOAT DEFAULT 0,
SHIPPED_STATUS varchar2(1) default 'Y',
SHIP_TYPE_FLAG varchar2(1) default 'Y',
LAST_NAME varchar2(90),
FIRST_NAME varchar2(90),
EMAIL_ADDRESS varchar2(120),
PHONE_NUMBER varchar2(30),
ENCRYPTION_SEED varchar2(60),
ERP_MESSAGE NUMBER(20),
VERTICAL_KEY NUMBER(20),
MEMO varchar2(240),
VERTICAL_MARKET VARCHAR2(90),
CART_NAME VARCHAR2(360),
CART_STATUS VARCHAR2(360) default 'Unused',
PARTNER_KEY NUMBER(20),
CONTACT_KEY NUMBER(20),
TOTAL FLOAT,
ROUTE_STATUS varchar2(120),
ROUTE_USER_KEY number(20),
ROUTE_NOTES varchar2(480),
ROUTE_FROM_USER_KEY number(20),
ROUTE_DATE DATE,
MEMBER_LEVEL varchar2(60),
PRIMARY KEY (CART_KEY));
```

XML Schema Changes

The following table summarizes the changes to the XML Schema:

TABLE 6. Schema Changes

Schema File	Changes
Address	New standard “Address” DataObject.
AssemblyItem	Replaces AssemblyItemList 5.0 Upgrade and Localization
AssemblyItemLocale	New – localized data for AssemblyItem.
BillOrderAddress	New – extends OrderAddress, used by Order
C3PrimaryRW	New abstract DataObject. Base Object for all “primary” writable DataObjects. (ACL support)
C3RW	New abstract DataObject. Base Object for all writable DataObjects.
CatalogToCartLog	SKU rename to ProductID
ChannelLineItem	New – extends LineItem
ChannelShoppingCart	New – extends ShoppingCart
Condition	Replaces conditionList
ConditionLocale	New – localized data for Condition.
ContactPhoneList	External mapping of Type changed to PHONE_TYPE from TYPE
Contract	Replaces ContractList Transparent 5.0 upgrade and ContractKey is now writable.
CronConfig	New
CronJobExecStatus	New
Currencies	Added: ConversionFactor, FromEuroFactor, ToEuroFactor, EuroFlag, Locale
DataSynd	New
Db2DataSources	New for DB/2 Support
Db2KeyGenerators	New for DB/2 Support
Db2UserContact	New for DB/2 Support

TABLE 6. Schema Changes (Continued)

Schema File	Changes
DistiOrderAck	External mapping of Status changed to ACK_LINE_STATUS from STATUS
DomainList	Added keyGenerator for DomainKey and made it writable
ERPOrder	External mapping of ERPOrderStatus changed to ERP_ORDER_STATUS from ORDER_STATUS
ExportSetList	External mapping of ExportSetKey changed to EXPORTSET_KEY from EXPORT_KEY, keyGenerator changed to match.
FactList	FactKey is now writable.
Feature	Replaces FeatureList 5.0 Upgrade and Localization
FeatureLocale	New – localized data for Feature.
FeatureType	Replaces FeatureTypeList 5.0 Upgrade and Localization
FeatureTypeLocale	New – localized data for FeatureType.
FeatureTypeGroup	Replaces FeatureTypeGroupList 5.0 Upgrade and Localization
FeatureTypeGroupLocale	New – localized data for FeatureTypeGroup.
Filter	Replaces FilterList 5.0 Upgrade and Localization
FilterLocale	New – localized data for Filter.
ImportSetList	New DataObject.
HeavyWeightPartnerList	External mappings of PartnerType and Type changed to PARTNER_TYPE and PHONE_TYPE from TYPE,
HeavyWeightPromotionsList	Added ImageName. Matches and AddToCartClicks moved to PromotionEvent ExternalObject. External mapping of PartnerType changed to PARTNER_TYPE from TYPE.

TABLE 6. Schema Changes (Continued)

Schema File	Changes
HeavyWeightShoppingCartList	External mapping of Status change to CART_STATUS from STATUS
HostedCart	New – used by HostedShoppingCart
HostedLineItem	New – used by HostedCart
HostedShoppingCart	Major upgrade to 5.0 Schema. Now refers to HostedCart, HostedLineItem, PartnerName and UserContactName DataObjects
HttpRequest	Removed unnecessary empty ExternalName entries.
InventoryCollectionList	External mapping of PartnerType changed to PARTNER_TYPE from TYPE
LocaleDataList	New DataObject used to load up CMGT_LOCALE table.
LightWeightChannelShoppingCarts	New
LightWeightCurrency	New
LightWeightLookup	Replaces LightWeightLookupList 5.0 Upgrade. Lookups are now localized.
LightWeightOrders	New
LightWeightPartner	External mapping of PartnerType changed to PARTNER_TYPE from TYPE
LightWeightReturns	New
LightWeightReturnLines	New
LightWeightShoppingCarts	New
LightWeightSKUList	Upgraded to 5.0 and localized
LineItem	New DataObject used by ShoppingCart
MediumWeightHostedShoppingCartList	External mapping of Status change to CART_STATUS from STATUS
MediumWeightOrder	New DataObject.
MediumWeightPartnerList	External mapping of PartnerType changed to PARTNER_TYPE from TYPE. Added CommerceCategory

TABLE 6. Schema Changes (Continued)

Schema File	Changes
MediumWeightShoppingCartList	External mapping of Status change to CART_STATUS from STATUS. Added RouteStatus.
MsSqlUserContact	Added SoldToAddress ExternalObject. New JoinCriteria for all addresses. External mapping of PhoneType changed to PHONE_TYPE from TYPE
OneReturn	New DataObject.
OracleUserContact	Added SoldToAddress ExternalObject. External mapping of PhoneType changed to PHONE_TYPE from TYPE.
Order	New: extends ShoppingCart.
OrderAddress	New base Order Address.
OrderedCartList	External mapping of Status change to CART_STATUS from STATUS. External mapping of ERPOrderStatus changed to ERP_ORDER_STATUS from ORDER_STATUS.
OrderLineItem	New: used by Order extends LineItem.
OrderLineItemShipOrderAddress	New: used by OrderLineItem.
OrderSerialItem	New: used by OrderLineItem.
PaCartLog	External mapping of Owner changed to OWNED_BY from OWNER.
Partner	External mapping of PartnerType changed to PARTNER_TYPE from TYPE. Upgraded to 5.0 schema. Now uses Address, Phone, Contract, PartnerDistributors, PartnerSkills, PartnerService, PartnerVertical, PartnerTerritory and PartnerProductCategory DataObjects.
PartnerDistributors	Transparent changes to upgrade to 5.0 schema.
PartnerName	New DataObject for retrieval of Partner Names.
PartnerProductCategory	Transparent changes to upgrade to 5.0 schema.

TABLE 6. Schema Changes (Continued)

Schema File	Changes
Partners	External mapping of PartnerType changed to PARTNER_TYPE from TYPE.
PartnerSelectorList	External mappings of PartnerType and Type changed to PARTNER_TYPE and PHONE_TYPE from TYPE,
PartnerService	Transparent changes to upgrade to 5.0 schema.
PartnerSkills	Transparent changes to upgrade to 5.0 schema.
PartnerTerritory	Transparent changes to upgrade to 5.0 schema.
PartnerVertical	Transparent changes to upgrade to 5.0 schema.
PaSkuMapping	Replacement for SkuMappingList. Upgraded to 5.0, renamed due to naming conflict.
Phone	New DataObject for retrieval of Phone Numbers.
PriceAvailability	Currency code is no longer externalized. ConfigFlag, SellerSKUName and SellerSKUDescription have been added.
PriceAvailabilityList	Localized. Uses CMGT_PRODUCT and CMGT_PRODUCT_LOCALE instead of CMGT_MASTER_SKU.
PriceList	PriceListKey is now writable.
PriceListHeader	PriceListKey is now writable.
PriceListSelection	StartDateActiveFrom, StartDateActiveTo, EndDateActiveFrom and EndDateActiveTo replaced by StartDateActive and EndDateActive. Added PartnerName and PriceListKey.
ProdCatXExportSetList	External mapping of ExportSetKey changed to EXPORTSET_KEY from EXPORT_KEY.

TABLE 6. Schema Changes (Continued)

Schema File	Changes
ProdCompareLog	ProductKey renamed to ProductId which now maps to SKU_NAME. Dropped ProductName and SKU fields.
ProdDetailLog	ProductKey renamed to ProductId which now maps to SKU_NAME. Dropped ProductName and SKU fields.
Product	Replaces ProductList
ProductCategories	External Name changes: CMGT_PRODUCT_CATEGORIES is now CMGT_PRODUCT_CATEGORY, CATEGORY_KEY is now PRODUCT_CATEGORY_KEY, CATEGORY_NAME is now NAME.
ProductCategory	Replaces ProductCategoryList 5.0 Upgrade and Localization
ProductCategoryLocale	New - Localized data for ProductCategory.
ProductCategoryXProduct	New DataObject.
ProductDescription	New – Localized Name/Description lookup.
ProductLocale	New - Localized data for Product.
ProductLookup	New – localized Product lookup including list price.
ProductLookupLocale	New - Localized data for ProductLookup.
ProductXExportSetList	External mapping of ExportSetKey changed to EXPORTSET_KEY from EXPORT_KEY. ProductKey renamed to ProductId which now maps to SKU_NAME.
ProductXFeature	Replaces ProductXFeatureList
ProductXFeatureListAdvisor	ProductKey renamed to ProductId which now maps to SKU_NAME.
Promotion	Added ImageName. External mapping of PartnerType changed to PARTNER_TYPE from TYPE. Added PromotionEvent ExternalObject.

TABLE 6. Schema Changes (Continued)

Schema File	Changes
PromotionEvent	Replaces PromotionEventList 5.0 Upgrade and significant structural changes.
PromotionSelectionBySKUDate	PromotionKey is now writable. Added ImageName.
PromotionsList	Added ImageName.
PunchInOrderHeader	Removed unnecessary empty ExternalName entries.
PunchInSetup	Removed unnecessary empty ExternalName entries. Added InternalRequest Field.
PunchInSetupResponse	Removed unnecessary empty ExternalName entries.
PurchaseOrder	External mapping of ERPOrderStatus changed to ERP_ORDER_STATUS from ORDER_STATUS. Fixed misspelling of ADDRESS in multiple places. Removed SenderUserAgent field.
Query	Removed unnecessary empty ExternalName entries.
QueryPage	Replaces QueryPageList
QueryPageLocale	New - Localized data for QueryPage.
Questionnaire	Replaces QuestionnaireList
QuestionnaireLocale	New - Localized data for Questionnaire.
RemoteOrderAck	New
RemoteOrderChange	New
RemoteOrderCreate	New
RemotePing	Fixed Access specification.
RemotePriceAvailability	Added ConfigFlag, SellerSKUName, SellerSKUDescription. Removed bad SourceObject specification.
RemotePurchaseOrderCancel	Removed SenderUserAgent field.
RemotePurchaseOrderChange	Removed SenderUserAgent field.
RemotePurchaseOrderCreate	Removed SenderUserAgent field.

TABLE 6. Schema Changes (Continued)

Schema File	Changes
RemoteReturnCreate	New
RemoteShoppingCartTransfer	Removed bad SourceObject specification.
Resource	Replaces ResourceList 5.0 Upgrade and Localization
ResourceLocale	New - Localized data for Resource.
ResourceType	Replaces ResourceTypeList 5.0 Upgrade and Localization
ResourceTypeLocale	New - Localized data for ResourceType.
ReturnLineItem	New
ReturnSerialItem	New
RmaUpdate	New
RoutedUserContactName	New
Rule	Replaces RuleList 5.0 Upgrade and Localization
RuleLocale	New - Localized data for Rule.
RuleSet	Replaces RuleSetList 5.0 Upgrade and Localization
RuleSetLocale	New - Localized data for RuleSet.
SenderId2Partner	External mapping of Type changed to PARTNER_TYPE from TYPE.
ShipmentUpdate	New.
ShipmentUpdateLineItem	New.
ShipmentUpdateQuantityLineItem	New.
ShipmentUpdateSerialLineItem	New.
ShipOrderAddress	New – used by Order, extends OrderAddress.

TABLE 6. Schema Changes (Continued)

Schema File	Changes
ShoppingCart	Upgraded to 5.0 schema. Added RouteUserKey, RouteFromUserKey, RouteStatus, RouteNotes. Dropped Notes, SellerKey, SellerName, OrderType. Uses PartnerName, UserContactName and LineItem DataObjects.
ShoppingCartTransfer	Removed unnecessary empty ExternalName entries. Removed bad SourceObject specification.
SkuInfo	Replaces SkuInfoList. Upgrade to 5.0, localized, SkuName is now ProductID, uses SKUMapping DataObject instead of ExternalObject.
SkuMapping	Used by SkuInfo.
SkuSupplierList	New
SoldOrderAddress	New – used by Order, extends OrderAddress.
SysProperties	Removed unnecessary empty ExternalName entries.
UserContactName	New.
UniversalResource	ResourceKey is now writable.
VarArgs	Removed unnecessary empty ExternalName entries.
WorkspaceCartList	External mapping of Status change to CART_STATUS from STATUS.

CHAPTER 3

Release 5.5 to Release 5.5.1 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 5.5 to Release 5.5.1.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- Tables in Partner Profile, Pricing and Order management modules were changed to use numeric lookup codes instead of strings.
- The CMGT_VERTICAL_MARKETS, CMGT_SKILLS, CMGT_RATING, CMGT_TERRITORIES, CMGT_SERVICES tables have been localized.
- Lookup types have been added to CMGT_LOOKUPS. See "Changes to Lookup Tables" on page 34.

New Database Objects

List of New Tables

Following is the list of new tables which have been added in Release 5.5.1. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_tables.sql** for their descriptions.

- CMGT_LOCALE_CURRENCIES
- CMGT_RATING_LOCALE
- CMGT_VERTICAL_MARKETS_LOCALE
- CMGT_TERRITORIES_LOCALE
- CMGT_SERVICES_LOCALE
- CMGT_SKILLS_LOCALE

List of New Indexes

There were no new indexes added in Release 5.5.1.

List of New Triggers

The following is the list of new triggers which have been added in Release 5.5.1. Since the trigger descriptions are too complex to incorporate here, please refer to the **WEB-INF/sql/Oracle/setup/oracle_triggers.sql** for their descriptions

- VM_LOCALE_TRIGGER
- TR_LOCALE_TRIGGER
- SRV_LOCALE_TRIGGER
- SKILL_LOCALE_TRIGGER
- RATING_LOCALE_TRIGGER

List Of New Views

Following is the list of new views which have been added in Release 5.5.1. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_views.sql** for the descriptions.

- VW_CMGT_TERRITORIES_LOCALE
- VW_VERTICAL_MARKETS_LOCALE
- VW_CMGT_PRICELISTS

List of New Sequences

There were no new sequences added in Release 5.5.1

List of New Sequence Procedures

There were no new sequence procedures added in Release 5.5.1.

List of New Foreign Key Constraints

The following is the list of new foreign key constraints, which have been added in Release 5.5.1. Please refer to the **WEB-INF/sql/Oracle/setup/ oracle_foreign_keys.sql** for their descriptions.

- FK_VK_LOC
- FK_TER_LOC
- FK_SER_LOC
- FK_SKL_LOC
- FK_RTG_LOC

Deleted Database Objects

There were no database objects deleted in Release 5.5.1.

Modified Database Objects

Schema Change

Constraint Changes

The following Not Null/Null constraints and default value changes have been made:

TABLE 7. Changed Constraints

Table Name	Column	Nullability	Comment
CMGT_PARTNERS	PARTNER_TYPE	NULL	CHANGED FROM NOT NULL
CMGT_PARTNERS	MEMBER_LEVEL	NULL	CHANGED FROM NOT NULL

TABLE 7. Changed Constraints (Continued)

Table Name	Column	Nullability	Comment
CMGT_ADDRESSES	COUNTRY	NULL	CHANGED FROM NOT NULL
CMGT_PHONES	PHONE_TYPE	NULL	CHANGED FROM NOT NULL
CMGT_CARTS	CURRENCY_CODE	NULL	CHANGED FROM NOT NULL
CMGT_RATING	UPDATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_RATING	CREATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_RATING	RATING	NULL	CHANGED FROM NOT NULL
CMGT_SERVICES	UPDATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_SERVICES	CREATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_SERVICES	SERVICE_NAME	NULL	CHANGED FROM NOT NULL
CMGT_SKILLS	UPDATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_SKILLS	CREATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_SKILLS	SKILL	NULL	CHANGED FROM NOT NULL
CMGT_TERRITORIES	UPDATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_TERRITORIES	CREATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_TERRITORIES	TERRITORY_NAME	NULL	CHANGED FROM NOT NULL
CMGT_VERTICAL_MARKETS	UPDATED_BY	NULL	CHANGED FROM NOT NULL

TABLE 7. Changed Constraints (Continued)

Table Name	Column	Nullability	Comment
CMGT_VERTICAL_MARKETS	CREATED_BY	NULL	CHANGED FROM NOT NULL
CMGT_VERTICAL_MARKETS	MARKET	NULL	CHANGED FROM NOT NULL

There have been no primary key constraint changes in Release 5.5.1.

There have been no column renames changes in Release 5.5.1.

Data Type Changes

There have been no data type changes in Release 5.5.1.

New Columns

The following new columns have been added to tables:

TABLE 8. New Columns

Table	Column Name	Data Type
CMGT_ADDRESSES	COUNTRY_CODE	NUMBER(20) NOT NULL
CMGT_ORDER_ADDRESSES	COUNTRY_CODE	NUMBER(20)
CMGT_RETURNS	RETURN_TO_COUNTRY_CODE	NUMBER(20)
CMGT_USER_CONTACTS	COUNTRY_CODE	NUMBER(20)
CMGT_PARTNERS	PARTNER_TYPE_CODE	NUMBER(20) NOT NULL
CMGT_PROMOTION_CONTROL	PARTNER_TYPE_CODE	NUMBER(20)
CMGT_PHONES	PHONE_TYPE_CODE	NUMBER(20) NOT NULL
CMGT_ORDERS	SHIPPING_METHOD_CODE	NUMBER(20)
CMGT_ORDER_LINE_ITEMS	SHIPPING_METHOD_CODE	NUMBER(20)
CMGT_RETURNS	RETURN_TO_SHIPPING_METHOD_CODE	NUMBER(20)
CMGT_ORDER_ADDRESSES	TITLE_CODE	NUMBER(20)
CMGT_RETURNS	RETURN_TO_TITLE_CODE	NUMBER(20)
CMGT_USER_CONTACTS	TITLE_CODE	NUMBER(20)
CMGT_CARTS	CART_STATUS_CODE	NUMBER(20)
CMGT_ORDERS	CART_STATUS_CODE	NUMBER(20)
CMGT_CARTS	ROUTE_STATUS_CODE	NUMBER(20)
CMGT_ORDERS	ROUTE_STATUS_CODE	NUMBER(20)

TABLE 8. New Columns (Continued)

Table	Column Name	Data Type
CMGT_DISTI_ORDER_ACK	DISTI_ORDER_STATUS_CODE	NUMBER(20)
CMGT_CARTS	CUSTOMER_TYPE_CODE	NUMBER(20)
CMGT_PA_CART_LOG	CUSTOMER_TYPE_CODE	NUMBER(20)
PA_HEADER	CUSTOMER_TYPE_CODE	NUMBER(20)
PA_LINES	CUSTOMER_TYPE_CODE	NUMBER(20)
CMGT_ORDERS	PARTNER_LEVEL_CODE	NUMBER(20)
CMGT_RETURNS	PARTNER_LEVEL_CODE	NUMBER(20)
CMGT_PROMOTION_CONTROL	PARTNER_LEVEL_CODE	NUMBER(20)
CMGT_PARTNERS	PARTNER_LEVEL_CODE	NUMBER(20) NOT NULL
CMGT_ADDRESSES	STATE_CODE	NUMBER(20)
CMGT_ORDER_ADDRESSES	STATE_CODE	NUMBER(20)
CMGT_RETURNS	RETURN_TO_STATE_CODE	NUMBER(20)
CMGT_DISTI_ORDER_ACK_LINES	UNIT_OF_MEASURE_CODE	NUMBER(20)
CMGT_CART_LINES	UNIT_OF_MEASURE_CODE	NUMBER(20)
CMGT_ORDER_LINE_ITEMS	UNIT_OF_MEASURE_CODE	NUMBER(20)
CMGT_ORDERS	CUSTOMER_TYPE_CODE	NUMBER(20)
CMGT_PARTNERS	FISCAL_YEAR_END_MONTH_CODE	NUMBER(20)
CMGT_CARTS	CURRENCY_KEY	NUMBER(20) NOT NULL
CMGT_ORDERS	CURRENCY_KEY	NUMBER(20)
CMGT_PRICELISTS	CURRENCY_KEY	NUMBER(20)
PA_HEADER	CURRENCY_KEY	NUMBER(20)
CMGT_CART_CONFIGURATION_LINES	NAME	VARCHAR2(60)
CMGT_CART_CONFIGURATION_LINES	DESCRIPTION	VARCHAR2(240)

Deleted Columns

There were no columns deleted in Release 5.5.1.

Changes to Lookup Tables

```
--Modifies CMGT_LOOKUP to reflect lookup code changes.
```

```
update cmgt_lookups set LOOKUP_TYPE='AddressType' where
LOOKUP_TYPE='address_type';
update cmgt_lookups set LOOKUP_TYPE='CommerceCategory' where
LOOKUP_TYPE='commerce_category';
update cmgt_lookups set LOOKUP_TYPE='CreditCardType' where
LOOKUP_TYPE='credit_card_type';
update cmgt_lookups set LOOKUP_TYPE='CronStatus' where
LOOKUP_TYPE='cron_status';
update cmgt_lookups set LOOKUP_TYPE='OrderStatus' where
LOOKUP_TYPE='erp_order_status';
update cmgt_lookups set LOOKUP_TYPE='Country' where
LOOKUP_TYPE='local_country';
update cmgt_lookups set LOOKUP_TYPE='Month' where
LOOKUP_TYPE='local_month';
update cmgt_lookups set LOOKUP_TYPE='Year' where
LOOKUP_TYPE='local_year';
update cmgt_lookups set LOOKUP_TYPE='PartnerLevel' where
LOOKUP_TYPE='member_level';
update cmgt_lookups set LOOKUP_TYPE='PartnerType' where
LOOKUP_TYPE='partner_type';
update cmgt_lookups set LOOKUP_TYPE='PaymentType' where
LOOKUP_TYPE='payment_type';
update cmgt_lookups set LOOKUP_TYPE='PhoneType' where
LOOKUP_TYPE='phone_type';
update cmgt_lookups set LOOKUP_TYPE='PricingStatus' where
LOOKUP_TYPE='pricing_status';
update cmgt_lookups set LOOKUP_TYPE='ReturnCriterion' where
LOOKUP_TYPE='return_criterion';
update cmgt_lookups set LOOKUP_TYPE='ReturnReason' where
LOOKUP_TYPE='return_reason';
update cmgt_lookups set LOOKUP_TYPE='ReturnStatus' where
LOOKUP_TYPE='return_status';
update cmgt_lookups set LOOKUP_TYPE='ShippingMethod' where
LOOKUP_TYPE='shipping_method';
update cmgt_lookups set LOOKUP_TYPE='UserTitle' where
LOOKUP_TYPE='user_title';
update cmgt_lookups set LOOKUP_TYPE='HostedOrderStatus' where
LOOKUP_TYPE='order_status';
delete from cmgt_lookups where LOOKUP_TYPE='year_type';
--CartStatus
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
select 'CartStatus', 1, 'Y', 'Open', 1, locale_name from cmgt_locale;
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
select 'CartStatus', 2, 'Y', 'Ordered', 1, locale_name from
cmgt_locale;
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
```

```
select 'CartStatus', 3, 'Y', 'Transferred', 1, locale_name from
cmgt_locale;
-- RouteStatus
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
select 'RouteStatus', 1, 'Y', 'Routed', 1, locale_name from
cmgt_locale;
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
select 'RouteStatus', 2, 'Y', 'RoutedNew', 1, locale_name from
cmgt_locale;
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
select 'RouteStatus', 3, 'Y', 'Unrouted', 1, locale_name from
cmgt_locale;
-- DistiOrderStatus
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
select 'DistiOrderStatus', 1, 'Y', 'Ordered', 1, locale_name from
cmgt_locale;
--UnitOfMeasure
insert into cmgt_lookups
(lookup_type, lookup_code, active_flag, description, flag, locale)
select 'UnitOfMeasure', 1, 'Y', 'Each', 1, locale_name from
cmgt_locale;
update cmgt_lookups set lookup_code = lookup_code * 10;
--PartnerType for Enterprise
insert into cmgt_lookups
(lookup_type, lookup_code, description,update_date,
creation_date,flag, locale)
 select 'PartnerType', 1, 'Enterprise',sysdate,sysdate,1, locale_name
from cmgt_locale;
--PartnerLevel for Enterprise
insert into cmgt_lookups
(lookup_type, lookup_code, description,update_date,
creation_date,flag, locale)
select 'PartnerLevel', 1, 'Enterprise',sysdate,sysdate, 1,
locale_name from cmgt_locale;
alter trigger LOOKUP_LOCALE_TRIGGER enable;
update cmgt_lookups set lookup_code=lookup_code/10 where
lookup_type='CommerceCategory';
update cmgt_lookups set lookup_code=lookup_code/10 where
lookup_type='Month';
UPDATE CMGT_LOOKUPS SET LOOKUP_CODE = LOOKUP_CODE - 1 WHERE
LOOKUP_TYPE = 'Month';
update cmgt_lookups set lookup_code = 1 where lookup_type = 'local_cd'
and lookup_code = 530;
```

XML Schema Changes

The following table summarizes the changes to the XML Schema:

TABLE 9. XML Schema Changes

Schema File	Changes
Address	Added CountryCode and StateCode
AddressEx	Added CountryCode and StateCode
C3RW	CreateDate made writable.
CartConfigurationLines	LineKey -> ConfigLineKey ParentLineKey -> ConfigParentLineKey Added Name and Description Now order by ConfigLineKey
ChannelShoppingCart	Removed OrderType
ConfigLine	Added ItemName and ItemDescription
ContactPhoneList	Type -> PhoneType Added PhoneTypeCode
DataServicesLookupHelper	New DataObject used to load lookup data.
DsKeyGenerators	Added CartConfigrationLinesKey
DistiOrderAck	Added DistiOrderStatusCode
FactInfo	New DataObject.
HeavyWeightPartnerList	MemberLevel -> PartnerLevel Type -> PhoneType Added PartnerTypeCode, PartnerLevelCode, CountryCode, StateCode, PhoneTypeCode
HeavyWeightPromotionsList	MemberLevel -> PartnerLevel Added PartnerTypeCode, PartnerLevelCode
HostedShoppingCart	Status -> CartStatus Added CartStatusCode, CurrencyLookupCode, CustomerType, CustomerTypeCode Dropped OrderType
InventoryCollectionsList	Added PartnerTypeCode
ItemsRefLookup	Added JoinCriteria

TABLE 9. XML Schema Changes (Continued)

Schema File	Changes
LightWeightChannelShoppingCarts	Status -> CartStatus Added CartStatusCode
LightWeightCurrency	Added: CurrencyKey Dropped Locale
LightWeightOrders	LastAccessDate -> UpdateDate Status -> CartStatus Added CartStatusCode
LightWeightPartners	MemberLevel -> PartnerLevel Added PartnerTypeCode, PartnerLevelCode
LightWeightShoppingCarts	Added CurrencyLookupCode, RouteStatusCode
LocaleCurrency	New DataObject
MediumWeightHostedShoppingCart	Added CurrencyLookupCode
MediumWeightOrder	Status -> CartStatus Added CartStatusCode, UpdateDate
MediumWeightPartner	MemberLevel -> PartnerLevel Added PartnerTypeCode, PartnerLevelCode, CommerceCategoryString
MediumWeightShoppingCart	Status -> CartStatus Added CartStatusCode, RouteStatusCode.
ModelSubgroup	Added SelectionCriteria
OneReturn	MemberLevel ->PartnerLevel Added PartnerLevelCode, ReturnStatusString Dropped RuleEngineComment Return Address DataFields moved to ReturnAddress DataObject.
Order	PaymentNumber -> OrderPaymentNumber Added CreditCartTypeString, OrderStatusString, PartnerLevelCode, PaymentTypeString, ShippingMethodCode
OrderAddress	Title -> UserTitle Added UserTitleCode, StateCode, CountryCode

TABLE 9. XML Schema Changes (Continued)

Schema File	Changes
OrderLineItem	Added ShippingMethodCode, OrderStatusString Dropped ReturnCode, ReturnReason
OrderSerialItem	Added OrderStatusString, ReturnReasonString Dropped ReturnCode.
PaCartLog	Added CustomerTypeCode
Partner	MemberLevel -> PartnerLevel FyEndMonth -> FyEndMonthCode Added PartnerTypeCode, PartnerLevelCode, CommerceCategoryString
Partners	Added PartnerTypeCode
PartnerSelectorList	Type -> PhoneType Added PartnerTypeCode, CountryCode, StateCode, PhoneTypeCode
Phone	Type -> PhoneType Added PhoneTypeCode
Promotion	MemberLevel -> PartnerLevel Added PartnerTypeCode, PartnerLevelCode
PromotionSelectionBySKUDate	MemberLevel -> PartnerLevel Added PartnerTypeCode, PartnerLevelCode
Rating	Name and Description moved to RatingLocale
RatingLocale	New DataObject for localization
ReturnAddress	New DataObject
ReturnLineItem	Added ReturnReasonString, ReturnCriterionString Dropped ReturnCode
ReturnSerialItem	Added ReturnReasonString, ReturnCriterionString Dropped ReturnCode
RmaUpdate	Title -> RMAUserTitle Country -> RMACountry State -> RMAState ShippingMethod -> RMAShippingMethod

TABLE 9. XML Schema Changes (Continued)

Schema File	Changes
RuleXFactInfo	New DataObject
Services	Name and Description moved to ServicesLocale
ServicesLocale	New DataObject for localization
ShoppingCart	Status -> CartStatus Added CartStatusCode, CurrencyLookupCode, CustomerType, CustomerTypeCode, RouteStatusCode
ShoppingCart	Major upgrade to 5.0 Schema Now refers to HostedCart, HostedLineItem, PartnerName and UserContactName DataObjects
Skills	Name and Description moved to SkillsLocale
SkillsLocale	New DataObject for localization
Territories	Name and Description moved to TerritoriesLocale
TerritoriesLocale	New DataObject for localization
UserContact	Title -> UserTitle Type ->PhoneType Added UserTitleCode, PaymentTypeString, CreditCardTypeString, CountryCode, StateCode, PhoneTypeCode
VerticalMarkets	Name and Description moved to VerticalMarketsLocale
VerticalMarketsLocale	New DataObject for localization
Workspace	RouteStatus ->RouteStatusCode
WorkspaceCartDataList	Status -> CartStatusCode
WorkspaceCartList	Status -> CartStatusCode

CHAPTER 4

Release 5.5.1 to Release 5.5.3 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 5.5.1 to Release 5.5.3.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- One change to the database schema as described in "Modified Database Objects" on page 42.

New Database Objects

List of New Tables

There were no new tables added between Release 5.5.1 and Release 5.5.3.

List of New Indexes

There were no new indexes added between Release 5.5.1 and Release 5.5.3.

List of New Triggers

There were no new triggers added between Release 5.5.1 and Release 5.5.3.

List Of New Views

There were no new views added between Release 5.5.1 and Release 5.5.3.

List of New Sequences

There were no new sequences added between Release 5.5.1 and Release 5.5.3.

List of New Sequence Procedures

There were no new sequence procedures added between Release 5.5.1 and Release 5.5.3.

List of New Foreign Key Constraints

There were no new constriants added between Release 5.5.1 and Release 5.5.3.

Deleted Database Objects

There were no deleted database objects between Release 5.5.1 and Release 5.5.3.

Modified Database Objects

Schema Change

New Columns

The following new columns have been added to tables:

TABLE 10. New Columns

Table	Column Name	Data Type
CMGT_LOCALE	DB_LOCALE_LANG_NAME	VARCHAR2(50)

CHAPTER 5

Release 5.5.3 to Release 5.6 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 5.5.3 to Release 5.6.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- Objects related to Lead Management module have been added to the Comergent eBusiness System XML and database schema.

New Database Objects

List of New Tables

The following is the list of new tables that have been added to the Comergent eBusiness System in Release 5.6. Please refer to the *Comergent eBusiness System Reference Guide* and the **WEB-INF/sql/Oracle/ setup/oracle_tables.sql** script for their details.

- CMGT_LEAD_CONTACT

- CMGT_LEAD_LINE_ITEMS
- CMGT_LEAD_ASSIGNMENT
- CMGT_LEAD_X_CONTACT_INFO
- CMGT_LEAD_X_ADDRESS
- CMGT_LEAD_X_PHONE
- CMGT_LEAD_X_NOTE
- CMGT_LEAD_DETAIL
- CMGT_LEAD_HEADER
- CMGT_NOTE

List of New Indexes

No new indexes.

List of New Triggers

The following is the list of new triggers that have been added in Release 5.6. Since the trigger descriptions are too complex to incorporate here, please refer to the **WEB-INF/sql/Oracle/setup/oracle_triggers.sql** for their details.

- LEAD_CONTACT_TRIGGER
- LEAD_ASGNMNT_TRIGGER
- LEAD_HDR_TRIGGER
- NOTE_TRIGGER

List of New Views

The following is the list of new views that have been added in Release 5.6. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_views.sql** for the descriptions.

- VW_CMGT_LEAD_DETAIL
- VW_CMGT_LEAD_HEADER
- VW_CMGT_LEAD_LINE_ITEMS
- VW_CMGT_USER_CONTACTS
- VW_CMGT_PARTNER_CATEGORIES
- VW_CMGT_PARTNERSKILLS

- VW_CMGT_SKILLS_LOCALE
- VW_CMGT_PARTNERSERVICES
- VW_CMGT_SERVICES_LOCALE
- VW_CMGT_CONTRACTS
- VW_CMGT_PARTNER_DISTRIBUTORS

List of New Sequences

The following is the list of new sequences that have been added in Release 5.6. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_sequences.sql** for the descriptions.

- LEAD_CONTACT_KEY_SEQ
- LEAD_ASGMNT_KEY_SEQ
- LEAD_HDR_KEY_SEQ
- NOTE_KEY_SEQ

List of New Sequence Procedures

The following is the list of new sequence procedures that have been added in Release 5.6. Please refer to the **WEB-INF/sql/Oracle/setup/ oracle_sequence_procedures.sql** for their descriptions.

- LEADCONTACTKEY
- LEADASSIGNMENTKEY
- LEADHEADERKEY
- NOTEKEY

Refer to ""Procedures" on page 47" on page 47 for the actual definitions.

List of New Foreign Key Constraints

```
ALTER TABLE CMGT_LEAD_LINE_ITEMS ADD
CONSTRAINT FK_LEAD_LN_CART_KEY FOREIGN KEY
(
CART_KEY
) REFERENCES CMGT_LEAD_DETAIL(
CART_KEY
) ON DELETE CASCADE;

ALTER TABLE CMGT_LEAD_ASSIGNMENT ADD
CONSTRAINT FK_LEAD_HDR_KEY FOREIGN KEY
```

```
(
LEAD_HEADER_KEY
) REFERENCES CMGT_LEAD_HEADER(
LEAD_HEADER_KEY
) ON DELETE CASCADE;

ALTER TABLE CMGT_LEAD_X_CONTACT_INFO ADD
CONSTRAINT FK_LD_X_CNTCT_HDR_KEY FOREIGN KEY
(
LEAD_HEADER_KEY
) REFERENCES CMGT_LEAD_HEADER(
LEAD_HEADER_KEY
) ON DELETE CASCADE;

ALTER TABLE CMGT_LEAD_DETAIL ADD
CONSTRAINT FK_LEAD_DET_HDR_KEY FOREIGN KEY
(
LEAD_HEADER_KEY
) REFERENCES CMGT_LEAD_HEADER(
LEAD_HEADER_KEY
) ON DELETE CASCADE;
```

Deleted Database Objects

No objects have been deleted.

Modified Database Object

Data Type Changes

The following data type changes have been made in Release 5.6:

- In table CMGT_CART_LINES field UPDATED_BY changed from NUMBER to NUMBER(20)
- In table CMGT_DOMAIN field UPDATED_BY changed from NUMBER to NUMBER(20)
- In table CMGT_ORDER_LINE_ITEMS field UPDATED_BY changed from NUMBER to NUMBER(20)
- In table CMGT_ORDER_SERIAL_ITEMS field UPDATED_BY changed from NUMBER to NUMBER(20)

Procedures

```
create or replace procedure leadcontactkey(p_key out number)
    as begin select lead_contact_key_seq.nextval into p_key from dual;
    end leadcontactkey;
create or replace procedure leadassignmentkey(p_key out number)
    as begin select lead_asgmnt_key_seq.nextval into p_key from dual;
    end leadassignmentkey;
create or replace procedure leadheaderkey(p_key out number)
    as begin select lead_hdr_key_seq.nextval into p_key from dual;
    end leadheaderkey;
create or replace procedure notekey(p_key out number)
    as begin select note_key_seq.nextval into p_key from dual;
    end notekey;
```

XML Schema Changes

The following table summarizes the changes to the XML Schema:

TABLE 11. XML Schema Changes

Schema File	Changes
DsBusinessObjects.xml: new business objects	LeadHeader, LeadDetail, PartnerLeadList, LeadLightWeightDetail, LeadSelection, LeadXNotes, LeadEnterpriseAssignment, LeadNotificationInfo
DsRecipes.xml: new recipes	LeadHeader, LeadLightWeightHeader, LeadXAddress, LeadXPhones, LeadXNotes, LeadXContactInfo, LeadDetail, PartnerLeadList, LeadXContactName, LeadLightWeightDetail, LeadSelection, LeadEnterpriseAssignment, LeadDetailStatus, LeadNotificationInfo
DsDataElements.xml: new data element definitions	<DataElement Name="LeadHeader" Description="Lead Header Admin HEADER" DataType="HEADER"/>
	<DataElement Name="LeadPublicHeader" Description="Lead Public Header HEADER" DataType="HEADER"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="LeadLightWeightHeader" Description="LeadLightWeightHeader HEADER" DataType="HEADER"/>
	<DataElement Name="LeadLightWeightHeaderList" Description="LeadLightWeightHeaderList LIST" DataType="LIST"/>
	<DataElement Name="Note" Description="Note HEADER" DataType="HEADER"/>
	<DataElement Name="LeadNote" Description="Lead Note HEADER" DataType="HEADER"/>
	<DataElement Name="LeadXNotes" Description="LeadXNotes HEADER" DataType="HEADER"/>
	<DataElement Name="LeadXNotesList" Description="LeadXNotes LIST" DataType="LIST"/>
	<DataElement Name="LeadPhone" Description="Lead Phone HEADER" DataType="HEADER"/>
	<DataElement Name="LeadXPhones" Description="LeadXPhones HEADER" DataType="HEADER"/>
	<DataElement Name="LeadXPhonesList" Description="LeadXPhones LIST" DataType="LIST"/>
	<DataElement Name="LeadAddress" Description="LeadAddress HEADER" DataType="HEADER"/>
	<DataElement Name="LeadXAddress" Description="LeadXAddress HEADER" DataType="HEADER"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="LeadXAddressList" Description="LeadXAddress LIST" DataType="LIST"/>
	<DataElement Name="LeadContactInfo" Description="Lead Contact Info HEADER" DataType="HEADER"/>
	<DataElement Name="LeadXContactInfo" Description="LeadXContactInfo HEADER" DataType="HEADER"/>
	<DataElement Name="LeadXContactInfoList" Description="LeadXContactInfoList LIST" DataType="LIST"/>
	<DataElement Name="LeadAdminName" Description="Lead Admin Name HEADER" DataType="HEADER"/>
	<DataElement Name="LeadContactName" Description="Lead Contact Name HEADER" DataType="HEADER"/>
	<DataElement Name="LeadEnterpriseAssignment" Description="Lead Enterprise Assignment HEADER" DataType="HEADER"/>
	<DataElement Name="LeadEnterpriseAssignmentList" Description="Lead Enterprise Assignment LIST" DataType="LIST"/>
	<DataElement Name="LeadDetail" Description="Lead Detail" DataType="HEADER"/>
	<DataElement Name="LeadLineItem" Description="Line Item" DataType="HEADER"/>
	<DataElement Name="LeadLineItemList" Description="Lead Line Item List" DataType="LIST"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="LeadLightWeightDetail" Description="Lead Light Weight Detail" DataType="HEADER"/>
	<DataElement Name="LeadLightWeightDetailList" Description="Lead Light Weight Detail List" DataType="LIST"/>
	<DataElement Name="LeadLightWeightPublicHeader" Description="LeadLightWeightPublicHeader HEADER" DataType="HEADER"/>
	<DataElement Name="LeadHeaderKey" Description="Lead Header Key" DataType="LONG"/>
	<DataElement Name="LeadPublicHeaderKey" Description="Lead Public Header Key" DataType="LONG"/>
	<DataElement Name="LeadNoteKey" Description="Lead Note Key" DataType="LONG"/>
	<DataElement Name="NoteKey" Description="Lead Note Key" DataType="LONG"/>
	<DataElement Name="Text" Description="Note text" DataType="STRING" MaxLength="1024"/>
	<DataElement Name="LeadPhoneKey" Description="Lead Phone Key" DataType="LONG"/>
	<DataElement Name="LeadContactKey" Description="Lead Contact Key" DataType="LONG"/>
	<DataElement Name="LeadAddressKey" Description="Lead Address Key" DataType="LONG"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="LeadAssignmentKey" Description="Lead Assignment Key" DataType="LONG"/>
	<DataElement Name="LeadDetailHeaderKey" Description="Lead Detail Header Key" DataType="LONG"/>
	<DataElement Name="AssignedDate" Description="Assigned Date" DataType="DATE"/>
	<DataElement Name="ContactRole" Description="Contact Role" DataType="STRING"/>
	<DataElement Name="Company" Description="Company Name" DataType="STRING"/>
	<DataElement Name="LeadDepartment" Description="Department Name" DataType="STRING"/>
	<DataElement Name="ContactEmail" Description="Contact email" DataType="STRING"/>
	<DataElement Name="LeadContactInfoKey" Description="Lead Contact Info Key" DataType="LONG"/>
	<DataElement Name="CloseDate" Description="Close date" DataType="DATE" />
	<DataElement Name="LeadDetailKey" Description="Lead Detail Key" DataType="LONG"/>
	<DataElement Name="CachedQueryName" Description="Name of cached query" DataType="STRING"/>
	<DataElement Name="PartnerLeadList" Description="Partner Lead List" DataType="LIST"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="PartnerLead" Description="Partner Lead" DataType="HEADER"/>
	<DataElement Name="BudgetPrice" Description="Lead Detail Budget Price" DataType="DECIMAL" MaxLength="15" Scale="2"/>
	<DataElement Name="ExpectedRevenue" Description="Lead Detail Expected Revenue" DataType="DECIMAL" MaxLength="15" Scale="2"/>
	<DataElement Name="BudgetApproved" Description="Lead Detail Budget Approved Flag" DataType="BOOLEAN"/>
	<DataElement Name="DetailStatusCode" Description="Lead Detail Status lookup code" DataType="LONG" MaxLength="20" LookupType="PartnerLeadStatus" LookupString="DetailStatusString"/>
	<DataElement Name="DetailStatusString" Description="Lead Detail Status lookup string" DataType="STRING" MaxLength="10" LookupType="PartnerLeadStatus" LookupCode="DetailStatusCode"/>
	<DataElement Name="ExpectedCloseDate" Description="Lead Detail Expected Close Date" DataType="DATE"/>
	<DataElement Name="ProbablilityOfSale" Description="Lead Detail Probablility of Sale" DataType="LONG"/>
	<DataElement Name="DetailCloseCode" Description="Lead Detail Close Result Lookup Code" DataType="LONG" MaxLength="20" LookupType="PartnerLeadCloseType" LookupString="DetailCloseString"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="DetailCloseString" Description="Lead Detail Close Result Lookup string" DataType="STRING" MaxLength="10" LookupType="PartnerLeadCloseType" LookupCode="DetailCloseCode"/>
	<DataElement Name="LeadHeaderStatusString" Description="Lead Header Status String" DataType="STRING" MaxLength="10" LookupType="LeadHeaderStatus" LookupCode="LeadHeaderStatusCode"/>
	<DataElement Name="LeadHeaderStatusCode" Description="Lead Header Status Code" DataType="LONG" MaxLength="20" LookupType="LeadHeaderStatus" LookupString="LeadHeaderStatusString"/>
	<DataElement Name="LeadPriorityString" Description="Lead Priority String" DataType="STRING" MaxLength="10" LookupType="LeadPriority" LookupCode="LeadPriorityCode"/>
	<DataElement Name="LeadPriorityCode" Description="Lead Priority Code" DataType="LONG" MaxLength="20" LookupType="LeadPriority" LookupString="LeadPriorityString"/>
	<DataElement Name="LeadSourceString" Description="Lead Source String" DataType="STRING" MaxLength="10" LookupType="LeadSource" LookupCode="LeadSourceCode"/>
	<DataElement Name="LeadSourceCode" Description="Lead Source Code" DataType="LONG" MaxLength="20" LookupType="LeadSource" LookupString="LeadSourceString"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="LeadHeaderCustomerTypeCode" Description="Lead Header Customer Type Code" DataType="LONG" MaxLength="20" />
	<DataElement Name="TerritoryCode" Description="Territory Code" DataType="LONG"/>
	<DataElement Name="TerritoryString" Description="Territory String " DataType="STRING"/>
	<DataElement Name="LeadType" Description="Lead Type Code" DataType="LONG"/>
	<DataElement Name="AssignedBy" Description="l" DataType="LONG"/>
	<DataElement Name="Note" Description="note HEADER" DataType="HEADER"/>
	<DataElement Name="LeadContactLastName" Description="Contact Last Name" DataType="STRING"/>
	<DataElement Name="LeadAdminUserName" Description="Lead Admin User Name" DataType="STRING"/>
	<DataElement Name="LeadContactFirstName" Description="Contact Last Name" DataType="STRING"/>
	<DataElement Name="LeadXContactName" Description="LeadXContactName HEADER" DataType="HEADER"/>
	<DataElement Name="NoteType" Description="Note Type" DataType="STRING"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
	<DataElement Name="LeadUserLoginName" Description="Lead User Last Name" DataType="STRING"/>
	<DataElement Name="LeadUserName" Description="LeadUserName HEADER" DataType="HEADER"/>
	<DataElement Name="LeadSelection" Description="LeadSelection HEADER" DataType="HEADER"/>
	<DataElement Name="ContactTitleCode" Description=" Lead Contact Title Code" DataType="LONG"/>
	<DataElement Name="TitleString" Description="Lead Contact Title String" DataType="STRING"/>
	<DataElement Name="LeadDetailOwnerLoginName" Description="LeadDetailOwnerLoginName HEADER" DataType="HEADER"/>
	<DataElement Name="LeadDetailOwnerUserName" Description="Lead Detail Owner's Login Name" DataType="STRING"/>
	<DataElement Name="SecondarySortedBy" Description="Secondary sort criteria" DataType="STRING"/>
	<DataElement Name="SecondaryAscending" Description="Secondary ascending" DataType="BOOLEAN"/>
	<DataElement Name="LeadDetailStatus" Description="LeadDetailStatus HEADER" DataType="HEADER"/>
	<DataElement Name="LeadNotificationInfo" Description="LeadNotificationInfo HEADER" DataType="HEADER"/>

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
***KeyGenerators.xml**	Key generators added for LeadPublicHeaderKey, LeadContactKey, NoteKey, LeadAssignmentKey LeadHeaderPublicKey, LeadHeaderKey
C3RW.xml	Change CreateDate write="y" to be able to set creation date on persist
ChannelLineItem.xml	Removed Description and BuyerSKUAuthority
LeadAddress.xml	New data object: extends Address.xml. Linked to LeadXAddress cross reference object through AddressKey.
LeadAdminName.xml	New data object: a RefData object. The field LeadAdminUserName links to database field USER_NAME in CMGT_USER_CONTACTS.
LeadContactInfo.xml	New data object: has all fields for lead contact information. Extends C3RW object. There is no ACL checking for this object, but it is still a primary object. It has child data objects: LeadXPhones.xml and LeadXAddress.xml.
LeadContactName.xml	New data object: LightWeight LeadContactInfo object that has only LeadContactLastName and LeadContactFirstName. It is used as a RefData object.
LeadDetail.xml	New data object: this object derives from a Shopping Cart containing all the data for a Lead Detail. It contains reference to LeadPublicHeader.
LeadDetailOwnerLoginName.xml	New data object: this object is used to retrieve the login name based on the Owner user key.
LeadDetailStatus.xml	New data object: this object is used to retrieve the detail status based on the lead detail key.

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
LeadEnterpriseAssignment.xml	New data object: this is a primary business object. It is extended from C3WR as no ACL checking is required. It keeps all information regarding leads assignment. It has RefData Objects that reference to appropriate names for presentation purposes.
LeadHeader.xml	New data object: the primary business object. It contains information about lead enterprise header. It has link to Lead contact information as a children object. In current implementation it could be the only contact information per lead.
LeadLightWeightDetail.xml	New data object: a lightweight Lead Detail used for Detail list display.
LeadLightWeightHeader.xml	New data object: list of lead headers with Reference Data Object linked to contact information and lead admin name. This is the leads list presentation Data Object.
LeadLightWeightPublicHeader.xml	New data object: a lightweight view of the Public Header referred to by LeadLightWeightDetail for the Lead Detail List display.
LeadLineItem.xml	New data object: this object is derived from LineItem used in LeadDetail to store the lead "cart" line items.
LeadNote.xml	New data object: this is the primary lead note business object.
LeadNotificationInfo.xml	New data object: this is a light weight contact information business object that has information necessary for the lead notification mechanism.
LeadPartner.xml	New data object: Reference Data Object that is used to display Partner name.
LeadPhone.xml	New data object: extends Phone.xml. It is linked to LeadXPhones cross reference object through PhoneKey.

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
LeadPublicHeader.xml	New data object: contains the public fields of the LeadHeader. It is referred to by the LeadDetail object.
LeadSelection.xml	New data object: this is a flat business object that does not link to any database table. It is used for sorting and searching purposes. Names of the fields should be exactly match to the appropriate fields in others business objects which we are sorting or searching for.
LeadUserContactName.xml	New data object: reference data object that restores Lead user login name for presentations purposes.
LeadUserName.xml	New data object: reference data object that restores Lead user username for presentations purposes.
LeadUserPartner.xml	New data object: reference data object to display Partner and user names.
LeadXAddress.xml	New data object: reference data object links contact information and addresses.
LeadXContactInfo.xml	New data object: reference data object links lead header and lead contact information. By design it is a list. It means that it could support many contacts per lead. In this implementation there is one-to-one relationship.
LeadXContactName.xml	New data object: reference data object used for presentation purposes in LeadLightWeightHeader.
LeadXNotes.xml	New data object: reference data object links lead header, lead detail, and lead notes objects.
LeadXPhones.xml	New data object: reference data object links contacts information and phones.
LineItem.xml	Added Description and BuyerSKUAuthority
Note.xml	New data object: the primary note business object extends from C3PrimaryRW.

TABLE 11. XML Schema Changes (Continued)

Schema File	Changes
OrderLineItem.xml	Added Description and BuyerSKUAuthority
PartnerLeadList.xml	New data object: a Version 4.0 business object that is used to search for partners that have users with lead specific roles.

CHAPTER 6

Release 5.6 to Release 6.0 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 5.6 to Release 6.0.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- New Database Objects
- Deleted Database Objects
- Modified Database Objects
- XML Schema Changes

New Database Objects

List of New Tables

The following is the list of new tables that have been added to the Comergent eBusiness System in Release 6.0. Please refer to the *Comergent eBusiness System*

Reference Guide and the **WEB-INF/sql/Oracle/ setup/oracle_tables.sql** script for their details.

- CMGT_ANALYZER_PROPS
- CMGT_ANALYZER_TEXT
- CMGT_AVAILABILITY
- CMGT_CAT_DISP_INFO
- CMGT_CAT_DISP_SET
- CMGT_HIDN_ADDR_USR_X_PARTNER
- CMGT_MODEL_TAB
- CMGT_MODEL_TABS_X_ITEMS
- CMGT_MODEL_TAB_LOCALE
- CMGT_OIL
- CMGT_OIL_LI
- CMGT_OIL_LI_H
- CMGT_ORDER_ADDRESSES_H
- CMGT_ORDER_EXTN
- CMGT_ORDER_LI_EXTN
- CMGT_ORDER_LI_EXTN_H
- CMGT_ORDER_SERIAL_ITEMS_H
- CMGT_PRDCT_CTGRY_X_FEATURE
- CMGT_QUOTE_EXTN
- CMGT_QUOTE_LI_EXTN
- CMGT_RFQ_EXTN
- CMGT_RFQ_LI_EXTN

List of New Indexes

No new indexes have been added.

List of New Triggers

No new triggers have been added.

List of Changed Triggers

The following triggers have been changed in Release 6.0. Since the trigger descriptions are too complex to incorporate here, please refer to the **WEB-INF/sql/Oracle/setup/oracle_triggers.sql** for their details.

- CARTS_TRIGGER
- PA_CARTLOG_TRIGGER
- ASSIGNED_SKU_TRIGGER

List of New Views

The following is the list of new views that have been added in Release 6.0. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_views.sql** for the descriptions.

- VW_CMGT_ANALYZER_PROPS
- VW_CMGT_ANALYZER_TEXT
- VW_CMGT_OIL
- VW_CMGT_OIL_LI
- VW_CMGT_ORDER_EXTN

List of Changed Views

- VW_CMGT_CARTS
- VW_CMGT_CART_LINES
- VW_CMGT_CONTRACTS
- VW_CMGT_CURRENCIES
- VW_CMGT_DISTI_ORDER_ACK_LINES
- VW_CMGT_INV_LINES
- VW_CMGT_INV_LOG
- VW_CMGT_LEAD_DETAIL
- VW_CMGT_LOOKUPS
- VW_CMGT_PARTNERS
- VW_CMGT_PARTNERSERVICES
- VW_CMGT_PARTNERSKILLS

- VW_CMGT_PARTNER_CATEGORIES
- VW_CMGT_PARTNER_DISTRIBUTORS
- VW_CMGT_PARTNER_FORECAST_HDR
- VW_CMGT_PARTNER_FORECAST_LINE
- VW_CMGT_PARTNER_TERRITORIES
- VW_CMGT_PARTNER_VERTICALS
- VW_CMGT_PA_CART_LOG
- VW_CMGT_PRDCT_CAT_X_PRDCT
- VW_CMGT_PRICELISTS
- VW_CMGT_PRICELIST_LINES
- VW_CMGT_SERVICES_LOCALE
- VW_CMGT_SKILLS_LOCALE
- VW_CMGT_TERRITORIES
- VW_CMGT_TERRITORIES_LOCALE
- VW_CMGT_USER_CONTACTS
- VW_CMGT_USER_PRICELIST
- VW_CMGT_X_PARTNERS
- VW_PRODUCT_CATEGORY_LOCALE
- VW_PRODUCT_LOCALE
- VW_VERTICAL_MARKETS_LOCALE

List of New Sequences

The following is the list of new sequences that have been added in Release 6.0. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_sequences.sql** for the descriptions.

- DISPLAY_SET_KEY_SEQ
- HISTORY_ADDRESS_KEY_SEQ
- HISTORY_ADDRESS_KEY_SEQ
- HISTORY_LINE_KEY_SEQ

- HISTORY_SERIAL_KEY_SEQ
- MODEL_TAB_KEY_SEQ
- ORDER_LI_SHIP_KEY_SEQ
- SKU_MAPPING_KEY_SEQ

List of New Sequence Procedures

The following is the list of new sequence procedures that have been added in Release 6.0. Please refer to the **WEB-INF/sql/Oracle/setup/ oracle_sequence_procedures.sql** for their descriptions.

- DISPLAYSETKEY
- HISTORYADDRESSKEY
- HISTORYLINEKEY
- HISTORYSERIALKEY
- MODELTABKEY
- ORDERLINEITEMSHIPKEY
- SKUMAPPINGKEY

List of New Foreign Key Constraints

- FK_MT_LOC
- FK_MT_IK
- FK_MXI_MK
- FK_MXI_IK
- FK_HIDN_ADDR_USR
- FK_HIDN_ADDR_ADR
- FK_CDI1
- FK_CDI2
- FK_CDI3
- FK_PCXF2

Deleted Database Objects

The following objects are no longer used in Release 6.0. They are not deleted during migration.

Obsoleted Tables

- AVAILABILITY
- CMGT_ORDERS
- CMGT_ORDER_LINE_ITEMS
- CMGT_USER_WORKSPACE
- PA_HEADER
- PA_LINES

Obsoleted Sequences

No sequences have been obsoleted.

Obsoleted Sequence Procedures

No procedures have been obsoleted.

Deleted Triggers

The following triggers have been deleted:

- ACCESSLIST_TRIGGER
- ACL_TRIGGER
- ADDRESS_TRIGGER
- ASSEMBLY_ITEM_TRIGGER
- BUNDLELINES_TRIGGER
- CARTLINES_TRIGGER
- CMGT_CONFIG
- CMGT_CONFIG_LINE
- CMGT_RESOURCE_TYPE_TRIGGER
- CONDITION_TRIGGER

- CONTRACTS_TRIGGER
- CURRENCY
- DEPT_TRIGGER
- DISTIORDERACK_TRIGGER
- DOMAIN
- ELEMENTACCESS_TRIGGER
- EXPORTSET_TRIGGER
- FACT_TRIGGER
- FEATURE_TRIGGER
- FEATURE_TYPE_GROUP_TRIGGER
- FEATURE_TYPE_TRIGGER
- FILTER_TRIGGER
- GROUPS_TRIGGER
- HDR_FORECASTKEY_TRIGGER
- HOSTED_CARTS_TRIGGER
- IMPORTSET_TRIGGER
- INV_LINE_TRIGGER
- INV_LOG_TRIGGER
- LEAD_ASGMNT_TRIGGER
- LEAD_CONTACT_TRIGGER
- LEAD_HDR_TRIGGER
- LINE_FORECAST_TRIGGER
- LOCALE
- LOOKUP_TRIGGER
- NOTE_TRIGGER
- ORDERACKLINEKEY_TRIGGER
- ORDERS_TRIGGER

- ORDER_LINES
- ORDER_SERIAL_ITEM
- PARTNERCATEGORIES_TRIGGER
- PARTNERDISTI_TRIGGER
- PARTNERSERVICES_TRIGGER
- PARTNERSKILLS_TRIGGER
- PARTNERTERRITORIES_TRIGGER
- PARTNERVERTICALS_TRIGGER
- PARTNER_TRIGGER
- PHONES_TRIGGER
- PRDCT_CLSFCTN_EXPSET
- PRICELISTS_TRIGGER
- PRICELIST_LINE_TRIGGER
- PRODUCT_CATEGORY_TRIGGER
- PROMOTIONS_TRIGGER
- PROMOTION_CONTROL_TRIGGER
- PROMOTION_SKU
- QUERY_PAGE_TRIGGER
- QUESTIONNAIRE_TRIGGER
- RATING_TRIGGER
- RETURNS
- RETURN_LINE_ITEMS
- RETURN_SERIAL_ITEMS
- RULE_SET_TRIGGER
- RULE_TRIGGER
- SERVICES_TRIGGER
- SKILL_TRIGGER

- SKUMAPPING_TRIGGER
- TERRITORIES_TRIGGER
- UNIVERSAL_RESOURCE_TRIGGER
- USERWORKSPACE_TRIGGER
- USER_CONTACTS_TRIGGER
- USER_PRICELIST_TRIGGER
- VERTICALMARKET_TRIGGER

Modified Database Objects

New Columns

The following columns have been added to existing tables.

TABLE 12. Columns Added to Tables

Table Name	Column Name	Data Type	Null?
CMGT_CARTS	SOURCE_TYPE_CODE	NUMBER(20)	NULL
CMGT_CARTS	SOURCE_KEY	NUMBER(20)	NULL
CMGT_CART_LINES	LINE_TYPE	NUMBER(1)	NULL
CMGT_CART_LINES	LINE_NAME	VARCHAR2(90)	NULL
CMGT_CONFIG_RULE	COMMENTS	VARCHAR2(240)	NULL
CMGT_GROUPS	PARENT_KEY	NUMBER(20)	NULL
CMGT_HOSTED_CARTS	ORDER_KEY	VARCHAR2(60)	NULL
CMGT_HOSTED_CARTS	TRANSFER_DATE	DATE	NULL
CMGT_PARTNERS	PARENT_KEY	NUMBER(20)	NULL
CMGT_PARTNERS	PARENT_CODE	NUMBER(20)	NULL
CMGT_PARTNERS	CUSTOM_FIELD_1	VARCHAR2(120)	NULL
CMGT_PARTNERS	CUSTOM_FIELD_2	VARCHAR2(120)	NULL
CMGT_PARTNERS	CUSTOM_FIELD_3	VARCHAR2(120)	NULL
CMGT_PARTNERS	CUSTOM_FIELD_4	VARCHAR2(120)	NULL
CMGT_PARTNERS	CUSTOM_FIELD_5	VARCHAR2(120)	NULL
CMGT_PARTNERS	PARTNER_COM	NUMBER(1)	NULL
CMGT_PARTNERS	STOREFRONT	NUMBER(1)	NULL

TABLE 12. Columns Added to Tables

Table Name	Column Name	Data Type	Null?
CMGT_PARTNERS	URL_NAME	VARCHAR2(64)	NULL
CMGT_PRODUCT	PARENT_SKU_NAME	VARCHAR2(120)	NULL
CMGT_PRODUCT	UNIT_OF_MEASURE_CODE	NUMBER(20)	NULL
CMGT_PRODUCT_CATEGORY	UPDATE_DATE	DATE	NULL
CMGT_PRODUCT_CATEGORY	UPDATED_BY	NUMBER(20)	NOT NULL
CMGT_PRODUCT_CATEGORY	CREATION_DATE	DATE	NULL
CMGT_PRODUCT_CATEGORY	CREATED_BY	NUMBER(20)	NOT NULL
CMGT_PRODUCT_X_FEATURE	ASSIGN_TYPE	NUMBER(2)	NOT NULL
CMGT_SKU_MAPPING	SKU_MAPPING_KEY	NUMBER(20)	NOT NULL
CMGT_SKU_MAPPING	SELLER_KEY	NUMBER(20)	NULL
CMGT_SKU_MAPPING	OWNED_BY	NUMBER(20)	NOT NULL
CMGT_SKU_MAPPING	ACCESS_KEY	NUMBER(20)	NULL
CMGT_USER_CONTACTS	SPENDING_LIMIT	FLOAT	NULL
CMGT_USER_CONTACTS	SPENDING_LIMIT_CURRENCY_CODE	VARCHAR2(10)	NULL
CMGT_USER_CONTACTS	APPROVER	NUMBER(20)	NULL
CMGT_USER_CONTACTS	PROXY_FOR_LIST	VARCHAR2(120)	NULL
CMGT_USER_PRICELIST	SHARABLE	VARCHAR2(1)	NULL
CMGT_USER_PRICELIST	SHARE_COUNT	NUMBER(10)	NULL
CMGT_USER_PRICELIST	ASSIGN_TYPE	NUMBER(1)	NULL
CMGT_LEAD_LINE_ITEMS	DESCRIPTION	VARCHAR2(480)	NULL
CMGT_LEAD_LINE_ITEMS	BUYER_SKU_AUTHORITY	VARCHAR2(360)	NULL
CMGT_LEAD_LINE_ITEMS	LINE_TYPE	NUMBER(1)	NULL
CMGT_LEAD_LINE_ITEMS	LINE_NAME	VARCHAR2(90)	NULL
CMGT_LEAD_DETAIL	SOURCE_TYPE_CODE	NUMBER(20)	NULL
CMGT_LEAD_DETAIL	SOURCE_KEY	NUMBER(20)	NULL
CMGT_LEAD_X_NOTE	OWNED_BY	NUMBER(20)	NULL
CMGT_LEAD_X_NOTE	ACCESS_KEY	NUMBER(20)	NULL

XML Schema Changes

The following sections summarize the changes to the XML schema:

New Data Objects

- FilterXFeature
- ShoppingCartTransferLineItem
- RFQ
- MasterSku
- OrderCancel
- QueryPageXCondition
- DistiPriceAvailability
- PartnerLeadUser
- CategoryXType
- CategoryDisplaySet
- OrderLineItemShipOrderAddressHist
- OrderLineItemExtensionHist
- OrderSerialItemHist
- PriceLineInfo
- RemoteOrderChange
- PartnerRelationship
- LightWeightOIL
- UserContactGroup
- PricingVerticalMarkets
- ModelTab
- OrderInquiryListLineItem
- MediumWeightChannelShoppingCart
- DistiOrderAckTransient

- RemotePaLineItem
- PriceListOnly
- LightWeightQuote
- AvailabilityChild
- ModelTabItems
- MediumWeightQuote
- MediumWeightOIL
- FeatureTypeXExportSet
- QuoteExtension
- QuoteLineItem
- DSAnalyzerProps
- OrderShipmentUpdateLineItem
- LightWeightStorefrontOrder
- ImportSet
- LightWeightApprovals
- CategoryDisplayInfo
- OrderInquiryList
- ProdCatXExportSet
- ModelTabLocale
- PricingCurrencies
- OrderApproverLogin
- RemoteReturnCreate
- InventoryCollection
- ResellerForecastLine
- UpdateCategory
- OrderChange
- ObjectOwnerLogin

- OrderShipmentUpdate
- DistributorList
- FilterXCategory
- QuoteLineItemExtension
- ProductXFeatureListAdvisor
- RFQExtension
- OrderLineItemHist
- OrderChangeLineItem
- InventoryLogLineItemAvailability
- OrderExtensionWithApprover
- DistiOrderAckLineItem
- OrderAvailability
- Domain
- PricingRuleOption
- SKUXDomain
- UserContactPhone
- LightWeightRFQ
- StorefrontOrderLineItem
- StorefrontInfo
- RemoteOrderCancel
- OrderShipmentUpdateSerialLineItem
- Quote
- OrderExtension
- OrderLineItemExtension
- HeavyWeightPromotions
- UserXHiddenPartnerAddresses
- UserContactDepartment

- ReturnRMAUpdate
- PartnerSelector
- SKUSupplier
- UserContactAddress
- DSAnalyzerText
- PartnerLead
- PaLineItem
- RFQLineItemExtension
- InventoryLogLineItem
- RuleXFact
- PaAvailability
- MediumWeightRFQ
- StorefrontOrder
- MasterSkuLocale
- RFQLineItem
- CatalogProduct
- OrderStatusUpdate
- OrderShipmentUpdateQuantityLineItem
- RemoteAvailability
- ProductXExportSet
- OrderShipmentUpdateInfo
- RemoteOrderCreate
- Fact
- ExportSet

Deleted Data Objects

- GroupGroup
- SoldToAddress

- Department
- Option
- ShippingAddress
- Distributor
- ForecastLine
- BillingAddress

Modified Data Objects

- DistiOrderAck
- OrderSerialItem

  Added Fields:

  - OrderSerialStatusString
  - OrderSerialStatus
- ChannelLineItem
- PriceList
- FeatureInfo

  Added Fields:

  - FeatureKey
- SKUMapping

  Deleted Keys:

  - ProductID

  Added Keys:

  - SKUMappingKey

  Added Fields:

  - ActiveFlag
  - SKUMappingKey
  - SellerKey

- UserPriceList

  Added Keys:

  - PriceListKey

  Added Fields:

  - ShareCount
  - Sharable
  - AssignType
- OrderLineItem
- OrderAddress

  Added Fields:

  - Address3
- LineItem

  Added Fields:

  - Description
  - ShoppingCartKey
  - LineTypeString
  - LineType
  - LineName
  - BuyerSKUAuthority
- Availability

  Added Keys:

  - SellerKey

  Added Fields:

  - SellerKey
- Partner

  Added Fields:

  - CustomField5

    - CustomField4
    - CustomField3
    - CustomField2
    - CustomField1
    - ParentCode
    - PartnerCom
    - URLName
    - ParentKey
    - Storefront
- PriceLists
- Group

  Added Fields:

    - ParentKey
- Phone
- LightWeightChannelShoppingCarts

  Added Keys:

    - ShoppingCartKey
- LightWeightShoppingCarts

  Added Fields:

    - PartnerKey
    - CartStatus
    - CartStatusCode
    - CustomerTypeCode
- PriceLineItems
- OrderAvailabilityLineItem

  Added Fields:

    - MappedSKU

    - RequestSKU
- ERPOrder

  Deleted Keys:

    - OrderKey

  Added Keys:

    - OrderNumber

  Deleted Fields:

    - OrderKey

  Added Fields:

    - OrderStatusString
    - OrderNumber
- PartnerTerritory
- HostedCart

  Added Fields:

    - Tax
    - OrderKey
    - DateTransferred
    - OrderTotalAmount
    - OrderDate
    - ShippingCharges
- ShoppingCart

  Added Fields:

    - SourceKey
    - Dirty
    - SourceType
- PriceLine
- PartnerDistributors

- LightWeightPartner

  Added Fields:

  - ParentKey
  - CommerceCategory
  - ParentCode
  - CommerceCategoryString
  - URLName
- User

  Added Fields:

  - Approver
  - ActiveFlag
  - SpendingLimitCurrencyCode
  - SpendingLimit
  - ProxyForList
- ConfigRule

  Added Fields:

  - Comments
- PromotionSku

  Added Fields:

  - PromotionKey
- PartnerProductCategory
- ProductLookup

  Added Fields:

  - UnitOfMeasureCode
- ChildProductLocale
- UserContactName

  Added Fields:

    - ContactFirstName
    - ContactLastName
- OneReturn

  Added Fields:

    - OrderNumber
- ChannelShoppingCart

  Added Keys:

    - ShoppingCartKey
- Product

  Added Fields:

    - UnitOfMeasure
    - ParentProductID
    - UnitOfMeasureCode
- PriceListHeader
- LightWeightOrders

  Deleted Keys:

    - ShoppingCartKey

  Deleted Fields:

    - TotalAmount
    - OrderStatus
    - CartStatus
    - PONumber
    - CartStatusCode
    - FirstName
    - OrderKey
    - UpdateDate
    - LastName

    - OrderDate
    - ERPOrderNumber
- ProductLocale
- ItemsInfo

  Added Fields:

    - ItemKey
- MediumWeightShoppingCart
- PriceSet
- PromotionEvent

  Added Fields:

    - PromotionKey
- ACL
- Address
- DistributorPartner
- MediumWeightOrder
- LightWeightGroup

  Added Fields:

    - GroupName
    - ParentKey
- PartnerVertical
- PriceListSelection

  Added Fields:

    - SKU
- Promotion
- LightWeightReturns

  Added Fields:

    - OrderNumber

- UpdateDate

- UserContact

  Added Fields:

  - MappedApprover
  - SpendingLimit
  - Approver
  - MappedProxyForList
  - SpendingLimitCurrencyCode
  - ProxyForList

CHAPTER 7

Release 6.0 to Release 6.3 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 6.0 to Release 6.3.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- New Database Objects
- Deleted Database Objects
- Modified Database Objects
- XML Schema Changes
- API Changes

New Database Objects

List of New Tables

The following is the list of new tables that have been added to the Comergent eBusiness System in Release 6.3. Please refer to the *Comergent eBusiness System Reference Guide* and the **WEB-INF/sql/Oracle/ setup/oracle_tables.sql** script for their details.

- CMGT_COUPONS
- CMGT_INDEX_SET
- CMGT_INVOICES
- CMGT_INVOICE_ADDRESSES_H
- CMGT_INVOICE_ADDRESSES
- CMGT_INVOICE_LINES
- CMGT_INVOICE_LI_H
- CMGT_ORDER_DISCOUNT_LOG
- CMGT_PRICING_CART_RULE_LOCALE
- CMGT_PRICING_CART_ACTION
- CMGT_PRICING_CART_RULE
- CMGT_PRICING_RULE_X_SKU

List of New Indexes

- PRDCT_X_PRDCT_SKU_IDX on CMGT_PRDCT_CAT_X_PRDCT(SKU_NAME)

List of New Triggers

- PRCART_RULE_LOC_TRIGGER

List of Changed Triggers

No triggers have been changed.

List of New Views

The following is the list of new views that have been added in Release 6.3. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_views.sql** for the descriptions.

- VW_CMGT_ANSWER_SELECTED_LOG
- VW_CMGT_ASSEMBLY_ITEM
- VW_CMGT_ASSEMBLY_ITEM_LOCALE
- VW_CMGT_CONDITION_LOCALE
- VW_CMGT_FEATURE_TYPE_LOCALE
- VW_CMGT_FEATURE
- VW_CMGT_FEATURE_LOCALE
- VW_CMGT_FEATURE_TYPE
- VW_CMGT_FEATURE_TYPE_GROUP
- VW_CMGT_FEATURE_TYPE_GROUP_LOCALE
- VW_CMGT_FILTER_LOCALE
- VW_CMGT_ORDER_ADDRESSES
- VW_CMGT_PRODUCT
- VW_CMGT_PRODUCT_CATEGORY
- VW_CMGT_PRODUCT_X_FEATURE
- VW_CMGT_QUERY_PAGE
- VW_CMGT_QUERY_PAGE_X_CONDITION

List of Changed Views

- VW_CMGT_CARTS
- VW_CMGT_LOCALE
- VW_CMGT_USER_CONTACTS
- VW_CMGT_OIL

- VW_CMGT_OIL_LI
- VW_CMGT_ORDER_EXTN
- VW_CMGT_PRDCT_CAT_X_PRDCT

List of New Sequences

The following is the list of new sequences that have been added in Release 6.3. Please refer to the **WEB-INF/sql/Oracle/setup/oracle_sequences.sql** for the descriptions.

- PRICING_ORDER_RULE_KEY_SEQ
- PRICING_ORDER_ACT_KEY_SEQ
- ORDER_DISCOUNT_KEY_SEQ
- INVOICE_KEY_SEQ
- INVOICE_LINE_KEY_SEQ
- INVOICE_HISTORY_LINE_KEY_SEQ
- INDEX_SET_KEY_SEQ

List of New Procedures

Stored Procedures

The following Oracle stored procedures have been added:

- CMGT_MANAGE_PRICELIST.ASSIGN_PRLIST_TO_ALLPARTNERS
- CMGT_MANAGE_PRICELIST.DELETE_PRICE_LIST
- CMGT_MANAGE_PRICELIST.DELETE_PRICE_LIST_LINES
- CMGT_MANAGE_PRICELIST.UPDATE_PRICE_LIST

The following SQL Server stored procedures have been added:

- ASSIGN_PRLIST_TO_ALLPARTNERS
- DELETE_PRICE_LIST_LINES
- DELETE_PRICE_LIST
- UPDATE_PRICE_LIST

Sequence Procedures

The following is the list of new sequence procedures that have been added in Release 6.3. Please refer to the **WEB-INF/sql/Oracle/setup/ oracle_sequence_procedures.sql** for their descriptions.

- INVOICEHISTORYLINEKEY
- PRICINGORDERRULEKEY
- PRICINGORDERACTKEY
- ORDERDISCOUNTKEY
- INVOICEKEY
- INVOICELINEKEY
- INDEXSETKEY

List of New Constraints

Foreign Key Constraints

No new foreign key constraints have been introduced.

Uniqueness Constriants

The following uniqueness constraint has been added in Release 6.3:

- UNIQ_COUPON_ID ON CMGT_COUPONS

Deleted Database Objects

The following objects are no longer used in Release 6.3. They are not deleted during migration.

Obsoleted Indexes

The following index has been removed:

- SKU_MAP_DISTI ON CMGT_SKU_MAPPING

Obsoleted Tables

No tables have been removed or obsoleted.

Obsoleted Sequences

No sequences have been obsoleted.

Obsoleted Sequence Procedures

No procedures have been obsoleted.

Deleted Triggers

No triggers have been deleted or obsoleted.

Modified Database Objects

New Columns

The following columns have been added to existing tables.

TABLE 13. Columns Added to Tables

Table Name	Column Name	Data Type	Nullable?
CMGT_CARTS	TOTAL_DISCOUNT	FLOAT	Yes
CMGT_CRON	LAST_EXECUTION_DETAIL	VARCHAR2(1024)	Yes
CMGT_NOTE	HOLDER_KEY	NUMBER(20)	Yes
CMGT_OIL	TOTAL_DISCOUNT	FLOAT	Yes
	DISCOUNT_APPLIED_FLAG	NUMBER(1)	Yes
	ACK_URL	VARCHAR2(480)	Yes
	TRANSFER_DATE	DATE	Yes
CMGT_OIL_LI	BASE_PRICE	FLOAT(126)	Yes
CMGT_OIL_LI_H	BASE_PRICE	FLOAT(126)	Yes
CMGT_PRICELIST_LINES	RULE_TYPE	NUMBER(20)	Yes
CMGT_PROMOTIONS	LOCALE_NAME	VARCHAR2(10)	No
	SELLER_KEY	NUMBER(20)	No

XML Schema Changes

The following sections summarize the changes to the XML schema:

New Data Objects

- DeletePriceListLines
- DuplicatePriceList
- GenericNote

- IndexSet
- Invoice
- InvoiceAddress
- InvoiceBillAddress
- InvoiceChange
- InvoiceChangeLineItem
- InvoiceCreate
- InvoiceCreateLineItem
- InvoiceLineItem
- InvoiceLineItemHist
- InvoiceNote
- InvoiceRemitAddress
- InvoiceSearchParams
- InvoiceShipAddress
- InvoiceSoldAddress
- InvoiceUserName
- LightWeightInvoice
- OrderDiscountLog
- PartnerData
- PrdCatXPrdXPriceLine
- PrdXPrdXPriceLine
- PriceLineOnly
- PriceLineRules
- PriceListAssign
- PriceListInfo
- PriceListPartnerName
- PriceListPartnerAssignment

- PricingCartAction
- PricingCartLevelRule
- PricingCartLevelRuleLocale
- PricingCartRuleSelection
- PricingRuleXSku
- ProductXPriceLine
- SearchPriceLineInfo
- UpdateCatalogIndex
- UserData

Deleted Data Objects

The following data objects have been removed:

- StorefrontOrder
- StorefrontOrderLineItem
- LightWeightStorefrontOrder

Modified Data Objects

- CronConfig

  New Data Fields

  - LastExecDetail
- HeavyWeightPromotions

  New Data Fields

  - LocaleName
  - SellerKey
- LineItem

  New Data Fields

  - BasePriceTransient
- OrderInquiryList

  New Data Fields

    - DiscountAppliedFlag
    - AckUrl
    - DateTransferred
- OrderInquiryListLineItem

  New Data Fields

    - BasePrice
    - MappedSKU
- PriceLine

  Deleted Key Fields

    - SKU

  New Data Fields

    - RuleType
- PriceLineInfo

  New Data Fields

    - RuleType
- PriceLineItems

  New Data Fields

    - RuleType
- PriceListHeader

  New Reference Data Object

    - UserData
- PriceListSelection

  New Data Fields

    - CachedQueryName
    - EffectiveDate
    - SecondarySortedBy
    - SecondaryAscending

    - TertiarySortedBy
    - TertiaryAscending
- PriceSet

  New Data Fields

    - RuleType
- Promotion

  New Data Fields

    - LocaleName
    - SellerKey
- ShoppingCart

  New Data Fields

    - CartTotalDiscountTransient
    - CartTotalDiscount
    - DiscountAppliedFlagTransient

API Changes

In addition to changes at the schema level, there have also been changes to the supported Java APIs in Release 6.3 as follows:

Order Management Changes

As a part of the deprecation of business objects, the use of the Query business object is deprecated. APIs that made use of the Query business objects have been replaced by corresponding APIs that use the DsQuery and QueryHelper classes.

IStorefrontOrderFactory

The method:

```
IAccLightWeightStorefrontOrderList getStorefrontOrdersForStorefront()
```

has been replaced by:

```
IAccLightWeightOrdersList getStorefrontOrdersForStorefront()
```

The method:

```
IAccLightWeightStorefrontOrderList getStorefrontOrdersForUser()
```

has been replaced by:

```
IAccLightWeightOrdersList getStorefrontOrdersForUser()
```

IDistiOrderAck

The method:

```
createDistiOrderAck(IRdStorefrontOrder storefrontOrder)
```

has been replaced by:

```
createDistiOrderAck(IStorefrontOrder storefrontOrder)
```

DistiOrderAckAPI

The method:

```
createDistiOrderAck(IRdStorefrontOrder storefrontOrder)
```

has been replaced by:

```
createDistiOrderAck(IStorefrontOrder storefrontOrder)
```

IOrderFactory

```
public IRdLightWeightOrdersList getListOfOrders(BusinessObject query-
BizObj, int maxResults) throws InquiryListAPIException
```

has been removed.

Availability Package Changes

The package and classes used for order availability have been moved one level up in the class hierarchy. The API classes should now be called from com.comergent.api.apps.orderMgmt.

Content Manager Changes

The following classes have been removed:

- com.comergent.api.apps.contentMgr.ContentMgrLocalPost.java
- com.comergent.api.apps.contentMgr.ContentMgrAPI.java

You should now use:

- com.comergent.api.apps.contentMgr.IContentMgrAPI.java
- com.comergent.api.apps.contentMgr.ContentMgrAPI.java
- com.comergent.api.apps.contentMgr.ContentMgrLocalPost.java

Lead Management Changes

The use of the Query business object has been removed from these packages. API calls should make the corresponding changes to use the DsQuery class.

Pricing Administration

This application has undergone restructuring and significant UI changes since Release 6.0. You should review any customizations performed in this area of the Comergent eBusiness System.

Use of Query Business Objects

As a part of the deprecation of business objects, the use of the Query business object is deprecated. APIs that made use of the Query business objects have been replaced by corresponding APIs that use the DsQuery and QueryHelper classes.

As a result, you should consider migrating your customized code from using Query business objects and the associated com.comergent.dcm.qbe package classes.

CHAPTER 8

Release 6.3.1 to Release 6.4.1 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 6.3.1 to Release 6.4.1.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- New Database Objects
- Deleted Database Objects
- Modified Database Objects
- XML Schema Changes
- API Changes
- Application Changes

New Database Objects

List of New Tables

The following is the list of new tables that have been added to the Comergent eBusiness System in Release 6.4.1. Please refer to the *Comergent eBusiness System Reference Guide* and the **WEB-INF/sql/Oracle/ setup/oracle_tables.sql** script for their details.

- CMGT_COMMERCE_NOTE
- CMGT_ENTITY_UPDATED_LOG
- CMGT_LEAD
- CMGT_OIL_HEADER
- CMGT_PARTNER_CHECKOUT_OPTION
- CMGT_PRICING_RULE_X_TARGET_FTR
- CMGT_PRICING_RULE_X_TARGET_SKU
- CMGT_PRODUCT_X_SUPPLIER
- CMGT_PROPOSAL
- CMGT_PROPOSAL_LINE_ITEMS

List of New Indexes

No new indexes have been added.

List of New Triggers

No new triggers have been added.

List of Changed Triggers

No triggers have been changed.

List of New Views

No new views have been added.

List of New Sequences

No new sequences have been added.

List of New Procedures

No new procedures have been added.

Sequence Procedures

No new sequence procedures have been added.

List of New Constraints

Foreign Key Constraints

No new foreign key constraints have been introduced.

Uniqueness Constraints

No new foreign key constraints have been introduced.

Deleted Database Objects

The following objects are no longer used in Release 6.4.1. They are not deleted during migration.

Obsoleted Indexes

No indexes have been removed.

Obsoleted Tables

The following tables are no longer used:

- CMGT_LEAD_DETAIL
- CMGT_LEAD_HEADER

Obsoleted Sequences

No sequences have been obsoleted.

Obsoleted Sequence Procedures

No procedures have been obsoleted.

Deleted Triggers

No triggers have been deleted or obsoleted.

Modified Database Objects

You should use the database migration scripts to migrate your Knowledgebase schema from Release 6.3.1 to Release 6.4.1. If you do so, then note that certain columns are dropped and re-added: data in these columns will be lost:

- CMGT_PRODUCT_X_FEATURE.ASSIGN_TYPE
- CMGT_PRDCT_CTGRY_X_FEATURE.ASSIGN_TYPE

New Columns

The following columns have been added to existing tables.

TABLE 14. Columns Added to Tables

Table Name	Column Name	Data Type	Nullable?
CMGT_ACTION_ITEM	QUANTITY_FORMULA	VARCHAR(240)	Yes
CMGT_CONDITION	FILTER_LOGIC	NUMBER(1)	No
CMGT_CONFIG_LINE	PRICE	FLOAT(126)	Yes
CMGT_FEATURE	FEATURE_META_TYPE	NUMBER(20)	No
CMGT_FEATURE_TYPE	FEATURE_META_TYPE	NUMBER(20)	No
CMGT_FILTER	FILTER_LOGIC	NUMBER(1)	No
CMGT_INDEX_SET	VERSION_KEY	NUMBER(20)	No

TABLE 14. Columns Added to Tables (Continued)

Table Name	Column Name	Data Type	Nullable?
CMGT_IMPORTSET	PRICE_LIST_KEY	NUMBER(20)	Yes
CMGT_LEAD_X_CONTACT	LEAD_KEY	NUMBER(20)	No
CMGT_LEAD_X_CONTACT_INFO	LEAD_HEADER_KEY		Yes
CMGT_LEAD_X_CONTACT_INFO	CONTACT_TYPE	NUMBER(20)	No
CMGT_LEAD_X_NOTE	LEAD_KEY	NUMBER(20)	No
CMGT_ORDER_ADDRESSES	OIL_HEADER_KEY	NUMBER(20)	Yes
CMGT_ORDER_DISCOUNT_LOG	DISCOUNT_TYPE	NUMBER(20)	Yes
CMGT_ORDER_DISCOUNT_LOG	QUANTITY	NUMBER(20)	Yes
CMGT_ORDER_DISCOUNT_LOG	RULE_DESCRIPTION	VARCHAR2(240)	Yes
CMGT_ORDER_DISCOUNT_LOG	ERROR_MESSAGE	VARCHAR2(480)	Yes
CMGT_ORDER_DISCOUNT_LOG	ABSOLUTE_FLAG	VARCHAR2(1)	Yes
CMGT_ORDER_EXTN	ORIG_CONTAINER_KEY	NUMBER(20)	Yes
CMGT_PARTNERS	CONTENT_TYPE	VARCHAR2(120)	Yes
CMGT_PRDCT_CTGRY_X_FTR_TYP	ASSIGN_TYPE	NUMBER(20)	No
CMGT_PRDCT_CTGRY_X_FEATURE	ASSIGN_TYPE	NUMBER(20)	No
CMGT_PRICELISTS	SUPPLIER_KEY	NUMBER(20)	Yes
CMGT_PRICELIST_LINES	START_DATE	DATE	Yes
CMGT_PRICELIST_LINES	END_DATE	DATE	Yes
CMGT_PRICING_CART_RULE	IS_FEATURE_RULE	NUMBER(1)	Yes
CMGT_PRODUCT	MINIMUM_ORDER_QUANTITY	NUMBER(20)	No
CMGT_PRODUCT	SERVICE_FLAG	NUMBER(1)	No
CMGT_PRODUCT	STATUS_CODE	NUMBER(20)	No
CMGT_PRODUCT_X_FEATURE	ASSIGN_TYPE	NUMBER(20)	No
CMGT_RFQ_LI_EXTN	RFQ_COMMENT	VARCHAR2(240)	Yes
CMGT_USER_CONTACTS	SECRET_QUESTION_CODE	NUMBER(20)	Yes
CMGT_USER_CONTACTS	SECRET_ANSWER	VARCHAR2(120)	Yes
CMGT_USER_CONTACTS	NEW_PASSWORD_FLAG	VARCHAR2(10)	Yes

XML Schema Changes

The following sections summarize the changes to the XML schema:

New Data Objects

- ActuateExecuteReport
- ActuateReportParameter
- ActuateUser
- ActuateWaitForReport
- AssemblyItemDelete
- BusinessPhone
- CategoryXFeature
- CategoryXFeatureHeavyWeight
- CategoryXTypeHeavyWeight
- CommerceNote
- ConfigurationDelete
- EntityUpdatedLog
- IndexMaintenance
- Lead
- LeadAssignment
- LeadCreate
- LeadCreateListResult
- LeadCreateResult
- LeadLightWeight
- LightWeightOILHeader
- LightWeightStorefrontOrder
- OILHeader
- OpportunityOwnerLoginName
- OrderSupplierName
- PartnerCheckoutOption
- PriceItemImport

- PriceLineRef
- PriceListHeaderImport
- PriceListHeaderOnly
- PriceListImport
- PriceListLine
- PricingCartRuleFeatureLocale
- PricingRuleXTargetFeature
- PricingRuleXTargetSku
- PrimaryPrice
- ProductCategoryXProductDelete
- ProductDelete
- ProductLocaleDelete
- ProductSupplier
- ProductSupplier_RO
- ProductValidator
- ProductXExportSetDelete
- ProductXFeatureDelete
- ProductXFeatureHeavyWeight
- Proposal
- ProposalCreate
- ProposalLightLead
- ProposalLightWeight
- ProposalLightWeightLead
- ProposalLineItem
- QueryFeature
- RelatedProduct
- TieredPrice

- UpdatedEntity

Deleted Data Objects

The following data objects have been removed:

- LeadDetail
- LeadDetailOwnerLoginName
- LeadDetailStatus
- LeadEnterpriseAssignment
- LeadHeader
- LeadLightWeightDetail
- LeadLightWeightHeader
- LeadLightWeightPublicHeader
- LeadLineItem
- LeadPartner
- LeadPublicHeader
- LeadUserPartner
- PartnerName

Modified Data Objects

New data fields are listed here for each modified data object.

- CatalogProduct
  - MinimumOrderQuantity
  - CatalogProduct.ProductStatus
  - CatalogProduct.ProductStatusCode
  - ServiceFlag
- CatalogProductList
  - MinimumOrderQuantity
  - CatalogProduct.ProductStatus
  - CatalogProduct.ProductStatusCode

    - ServiceFlag
- ChannelShoppingCart
    - ContactName
    - ContactPartnerKey
- Condition
    - FilterLogic
- ConditionList
    - FilterLogic
- ConfigLine
    - Price
- ConfigLineList
    - Price
- Coupon
    - IsFeatureRule
    - PricingRuleXTargetFeatureList
    - PricingRuleXTargetSKUList
- CouponList
    - IsFeatureRule
    - PricingRuleXTargetFeatureList
    - PricingRuleXTargetSKUList
- Feature
    - FeatureMetaType
- FeatureList
    - FeatureMetaType
- FeatureType
    - FeatureMetaType
- FeatureTypeList

    - FeatureMetaType
- Filter
    - FilterLogic
- FilterList
    - FilterLogic
- ImportSet
    - PriceListKey
- ImportSetList
    - PriceListKey
- IndexSet
    - VersionKey
- IndexSetList
    - VersionKey
- Invoice
    - ContactFirstName
    - ContactLastName
    - ContactName
    - ContactPartnerKey
    - PartnerName
- InvoiceList
    - ContactFirstName
    - ContactLastName
    - ContactName
    - ContactPartnerKey
    - PartnerName
- LightWeightApprovals
    - ContactFirstName

- ContactLastName
- ContactName
- ContactPartnerKey
- LightWeightOILHeaderList
- OriginalContainerKey
- SupplierKey
- SupplierName

- LightWeightOIL
  - ContactFirstName
  - ContactLastName
  - ContactName
  - ContactPartnerKey
- Partner
  - ContentType

  New child data objects
  - PartnerCheckoutOption
- PartnerLead
  - EmailAddress
- PriceLine
  - EndDate
  - StartDate
- Product
  - LeadTime
  - MinimumOrderQuantity
  - ProductStatus
  - ProductStatusCode
  - ServiceFlag

- UserContact
  - NewPasswordFlag
  - SecretAnswer
  - SecretQuestion
  - SecretQuestionCode

API Changes

In addition to changes at the schema level, there have also been changes to the supported Java APIs in Release 6.4 as follows:

Application Changes

In addition to the changes described above, some applications have undergone significant changes. These are documented in this section.

Order Management Changes

The JSP pages in this application have been re-organized. You can deteremine eaxcatly which JSP files have been removed or changed since Release 6.3.1 by looking at the the following files:

- **deleted-files-list.txt**
- **modified-files-list.txt**
- **new-files-list.txt**

These files can be viewed by installing the **release-upgradeinfo-6.4.1-plm-RC-*x*.jar** file into the SDK.

You can determine which JSP pages and message types are used by consulting the SDK index documentation provided with Release 6.4.1.

CHAPTER 9

Release 6.4.1 to Release 6.7 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 6.4.1 to Release 6.7. Please consult the Release 6.7 *Comergent eBusiness System Implementation Guide* for the steps required to upgrade a Comergent eBusiness System from Release 6.4.1 to Release 6.7.

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General

The main topics covered in this chapter are:

- New Database Objects
- Deleted Database Objects
- Modified Database Objects
- XML Schema Changes
- API Changes
- Application Changes

New Database Objects

List of New Tables

The following is the list of new tables that have been added to the Comergent eBusiness System in Release 6.7. Please refer to the *Comergent eBusiness System Reference Guide* and the **WEB-INF/sql/Oracle/ setup/oracle_tables.sql** script for their details.

- CMGT_CAMPAIGN
- CMGT_CAMPAIGN_LINKS
- CMGT_CAMPAIGN_LINK_ACCESS_INFO
- CMGT_CAMPAIGN_RECIPIENTS
- CMGT_CAMPAIGN_UNSUBSCRIBE
- CMGT_CAMPAIGN_X_MAILING_LIST
- CMGT_MAILING_LISTS
- CMGT_NODE_X_PARTNER
- CMGT_PROFILE_MANAGER_NOTE
- CMGT_PROPOSAL_FIELD_SELECTION
- CMGT_PROPOSAL_TEMPLATE
- CMGT_PROPOSAL_TEMPLATE_GROUP
- CMGT_RECIP_SELECTION_CRITERIA
- CMGT_TASK
- CMGT_TASK_X_URL
- CMGT_TASK_X_WATCHER
- CMGT_TASK_NOTE
- CMGT_UPLOADED_MAIL_MEMBERS
- CMGT_USER_X_FUNCTION
- CMGT_USER_X_PARTNER
- CMGT_VM_GRID_SHEETS
- CMGT_VM_GRID_SHEET_COLUMNS

- CMGT_VM_GRID_SHEET_ROWS

List of New Indexes

The following indexes have been added:

- CMGT_OIL_OWNED_BY_IDX
- CMGT_OIL_HEADER_CART_KEY_IDX
- CMGT_OIL_LI_CART_KEY_IDX
- CMGT_OIL_LI_PARENT_KEY_IDX
- CMGT_ORDER_STATUS_IDX
- CMGT_ORDER_LI_STATUS_IDX
- CMGT_ORDER_ADDR_LINEKEY_IDX
- CMGT_CRT_CFG_LNS_CFG_KEY_IDX
- CMGT_CAMPAIGN_NAME
- RECIP_CAMP_KEY
- RECIP_EMAIL_ADDRESS
- CAMPAIGN_MAILING_LIST
- CAMPAIGN_MAILING_LIST_NAME
- CRITERIA_MAILING_LIST_KEY
- UPLOAD_MAILING_LIST_KEY
- CAMPAIGN_LINKS
- CAMPAIGN_ACCESS
- MODEL_KEY_IDX
- GRID_SHEET_KEY_IDX
- SEQUENCE_NUMBER_IDX
- GRID_SHEET_KEY_IDX
- SEQUENCE_NUMBER_IDX

List of New Triggers

No new triggers have been added.

List of Changed Triggers

No triggers have been changed.

List of New Views

No new views have been added.

List of New Sequences

The following new sequences have been added:

- NODE_ASSIGNMENT_KEY_SEQ
- TASK_KEY_SEQ
- USER_ASSIGNMENT_KEY_SEQ

List of New Procedures

No new procedures have been added.

Sequence Procedures

The following new sequence procedures have been added:

- USERASSIGNMENTKEY
- NODEASSIGNMENTKEY
- TASKKEY

List of New Constraints

Foreign Key Constraints

No new foreign key constraints have been introduced.

Uniqueness Constraints

No new foreign key constraints have been introduced.

Deleted Database Objects

The following objects are no longer used in Release 6.7. They are not deleted during migration.

Obsoleted Indexes

No indexes have been removed.

Obsoleted Tables

No tables have been removed.

Obsoleted Sequences

No sequences have been obsoleted.

Obsoleted Sequence Procedures

No procedures have been obsoleted.

Deleted Triggers

No triggers have been deleted or obsoleted.

Modified Database Objects

The following database objects are modified in upgrading from Release 6.4.1 to Release 6.7:

New Columns

The following columns are added to existing tables:

TABLE 15. Columns Added to Tables

Table Name	Column Name	Data Type	Nullable?
CMGT_PROPERTY_VALUES	IS_FORMULA	VARCHAR2(1)	POSSIBLY NULL
CMGT_USER_CONTACTS	USER_TYPE	VARCHAR2(128)	NOT NULL
CMGT_USER_CONTACTS	USER_STATUS	NUMBER(20)	POSSIBLY NULL
CMGT_USER_CONTACTS	MAX_PCT_LINE_DISCOUNT	FLOAT(126)	POSSIBLY NULL
CMGT_USER_CONTACTS	MAX_PCT_ORDER_DISCOUNT	FLOAT(126)	POSSIBLY NULL
CMGT_USER_CONTACTS	AWAY_FLAG	NUMBER(1)	POSSIBLY NULL

TABLE 15. Columns Added to Tables (Continued)

Table Name	Column Name	Data Type	Nullable?
CMGT_USER_CONTACTS	MAX_ACCOUNTS	NUMBER(20)	POSSIBLY NULL
CMGT_USER_CONTACTS	IS_MANAGER	NUMBER(1)	POSSIBLY NULL
CMGT_PARTNERS	PARTNER_STATUS	NUMBER(20)	POSSIBLY NULL
CMGT_PARTNERS	INHERITED_STATUS	NUMBER(20)	POSSIBLY NULL
CMGT_PARTNERS	CREDIT_LIMIT	FLOAT	POSSIBLY NULL
CMGT_PARTNERS	AVAILABLE_CREDIT	FLOAT	POSSIBLY NULL
CMGT_PARTNERS	CREDIT_CURRENCY_CODE	VARCHAR2(10)	POSSIBLY NULL
CMGT_PARTNERS	ROOT_PARTNER_KEY	NUMBER(20)	POSSIBLY NULL
CMGT_PARTNERS	MAX_ASSIGNABLE_REPS_OR_NODES	NUMBER(20)	POSSIBLY NULL
CMGT_ORDER_EXTN	CREDIT_OVERRIDE	NUMBER(1)	POSSIBLY NULL
CMGT_ORDER_ADDRESSES_H	OIL_HEADER_KEY	NUMBER(20)	POSSIBLY NULL

XML Schema Changes

The following sections summarize the changes to the XML schema:

New Data Objects

- AssignedPartnerData
- Campaign
- CampaignLink
- CampaignLinkAccessInfo
- CampaignRecipient
- CampaignUnsubscribe
- CampaignXMailingList
- GridSheet
- GridSheetColumn
- GridSheetRow
- NodePartnerData

- NodeXPartnerAssignment
- ProfileMgrNote
- Task
- TaskNote
- TaskUrl
- TaskWatcher
- TaskCreatorUserData
- UserXFunction
- UserXPartnerAssignment

Deleted Data Objects

No data objects have been removed.

Modified Data Objects

New data fields are listed here for each modified data object.

- UserContact
  - UserType
  - UserStatusCode
  - UserStatusDescription
  - AwayFlag
  - MaxPctLineDiscount
  - MaxPctOrderDiscount
  - MaxAccounts
  - Manager
- Partner
  - PartnerStatusCode
  - PartnerStatusDescription
  - OrganizationType
  - InheritedPartnerStatusCode

    - InheritedPartnerStatusDescription
    - CreditLimit
    - AvailableCredit
    - CreditCurrencyCode
    - MaxAssignableReps
- OrderExtension
    - CreditOverride

API Changes

In addition to changes at the schema level, there have also been changes to the supported Java APIs in Release 6.7 as follows:

In the commerce layer, there used to be two types of APIs:

- persistent APIs
- non-persistent APIs

Non-persistent APIs have the string “Transient” in them: for example, *addLineItemTransient()*. The only difference between persistent and non-persistent methods are in the behavior of the save operation.

In Release 6.7, the non-persistent methods suchas *xxxTransient()* have been removed. The persistent methods are made to be non-persistent. For example, the following changes have been made:

- *addLineItemTransient()* method is removed
- *addLineItem()* method does not persist

If you have a project which has:

```
cart.addLineItemTransient(...)// non-persistent
cart.save(...) // save changes
```

Then, this code should be changed to:

```
cart.addLineItem(...);// non-persistent in OME release
cart.save(...);// save changes to the cart
```

Similarly, if you have

```
cart.addLineItem(...);// persistent in 6.4.1
```

This code should be changed to:

```
cart.addLineItem(…);// non-persistent in OME release
cart.save(...);// save chanes to the cart
```

Application Changes

In addition to the changes described above, some applications have undergone significant changes. These are documented in this section.

User Management Changes

The management of user roles has changed. Entitlements are now managed by assigning functions to users.

CHAPTER 10

Release 6.7 to Release 7.0 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 6.7 to Release 7.0. Please consult the Release 7.0.1 *Comergent eBusiness System Implementation Guide* for the steps required to upgrade a Comergent eBusiness System from Release 6.7 to Release 7.0.1.

Note: This chapter contains proprietary and confidential information. It is not to be distributed outside of Comergent Technologies, Inc. without the express written consent of Comergent Technologies, Inc.

General

The main topics covered in this chapter are:

- New Database Objects
- Deleted Database Objects
- Modified Database Objects
- XML Schema Changes
- API Changes
- Application Changes

New Database Objects

List of New Tables

The following is the list of new tables that have been added to the Comergent eBusiness System in Release 7.0. Please refer to the *Comergent eBusiness System Reference Guide* and the **WEB-INF/sql/Oracle/ setup/oracle_tables.sql** script for their details.

- CMGT_ACCOUNT_TRANSACTION
- CMGT_DOC_MANAGER
- CMGT_MDF_ACTIVITY
- CMGT_MDF_ACTIVITY_REQUEST
- CMGT_MDF_PROGRAM
- CMGT_MDF_PROGRAM_ASSIGN_PTNR
- CMGT_PARTNER_X_PROD_ENTITLE
- CMGT_PAYMENT_ACCOUNT
- CMGT_PAYMENT_ACCOUNT_NOTE
- CMGT_PRODUCT_ENTITLEMENT
- CMGT_PRODUCT_ENTITLEMENT_ITEM
- CMGT_SALES_CONTRACT_EXTN
- CMGT_SALES_CONTRACT_LI_EXTN

List of New Indexes

The following indexes have been added:

- No new indexes

List of New Triggers

No new triggers have been added.

List of Changed Triggers

No triggers have been changed.

List of New Views

No new views have been added.

List of New Sequences

The following new sequences have been added:

- MDF_PROGRAM_KEY_SEQ
- MDF_ACTIVITY_KEY_SEQ
- MDF_ACTIVITY_REQ_KEY_SEQ
- MDF_ACTIVITY_REQ_NOTE_KEY_SEQ
- PAYMENT_ACCOUNT_KEY_SEQ
- PAYMENT_ACCOUNT_NOTE_KEY_SEQ
- ACCOUNT_TRANSACTION_KEY_SEQ
- DOC_MANAGER_KEY_SEQ

List of New Procedures

No new procedures have been added.

Sequence Procedures

The following new sequence procedures have been added:

- MDFPROGRAMKEY
- MDFACTIVITYKEY
- MDFACTIVITYREQKEY
- MDFACTIVITYREQNOTEKEY
- PAYMENTACCOUNTKEY
- PAYMENTACCOUNTNOTEKEY

- ACCOUNTTRANSACTIONKEY
- DOCMANAGERKEY

List of New Constraints

Foreign Key Constraints

No new foreign key constraints have been introduced.

Uniqueness Constraints

No new foreign key constraints have been introduced.

Deleted Database Objects

The following objects are no longer used in Release 7.0. They are not deleted during migration.

Obsoleted Indexes

No indexes have been removed.

Obsoleted Tables

No tables have been removed.

Obsoleted Sequences

No sequences have been obsoleted.

Obsoleted Sequence Procedures

No procedures have been obsoleted.

Deleted Triggers

No triggers have been deleted or obsoleted.

Modified Database Objects

The following database objects are modified in upgrading from Release 6.7 to Release 7.0:

New Columns

The following columns are added to existing tables:

TABLE 16. Columns Added to Tables

Table Name	Column Name	Data Type	Nullable?
CMGT_CART_CONFIGURATION	HAS_ERRORS	NUMBER(1)	POSSIBLY NULL
CMGT_PRODUCT_CATEGORY_LOCALE	IMAGE	VARCHAR2(120)	POSSIBLY NULL
CMGT_PRODUCT_CATEGORY_LOCALE	DATASHEET	VARCHAR2(120)	POSSIBLY NULL
CMGT_INVOICES	INVOICE_TYPE_CODE	NUMBER(20)	POSSIBLY NULL
CMGT_INVOICES	SOURCE_TYPE_CODE	NUMBER(20)	POSSIBLY NULL
CMGT_INVOICES	MISC_ADJUSTMENTS	FLOAT	POSSIBLY NULL
CMGT_INVOICES_LINES	DESCRIPTION	VARCHAR2(240)	POSSIBLY NULL
CMGT_INVOICES_LINES	REASON	VARCHAR2(240)	POSSIBLY NULL
CMGT_INVOICE_LI_H	DESCRIPTION	VARCHAR2(240)	POSSIBLY NULL
CMGT_INVOICE_LI_H	REASON	VARCHAR2(240)	POSSIBLY NULL
CMGT_PARTNERS	REMOTE_PRICES	NUMBER(1)	POSSIBLY NULL
CMGT_PARTNERS	REMOTE_PRICE_EXPIRY_INTERVAL	NUMBER(1)	POSSIBLY NULL
CMGT_PARTNERS	COOP_PERCENTAGE	FLOAT	POSSIBLY NULL
CMGT_PARTNERS	COOP_ACCOUNT_MAX	FLOAT	POSSIBLY NULL

XML Schema Changes

The following sections summarize the changes to the XML schema:

New Data Objects

Please contact Comergent Technologies, Inc. for this information.

Deleted Data Objects

No data objects have been removed.

Modified Data Objects

New data fields are listed here for each modified data object. Please contact Comergent Technologies, Inc. for this information.

API Changes

In addition to changes at the schema level, there have also been changes to the supported Java APIs in Release 7.0 as follows:

- Platform layer: the modularization of the platform means that many of th eplatform APIs have changed. These are summarized in the *Comergent eBusiness System Developer Guide*.
- Application layer: New APIs have been intorduced to support the new functionality added in Release 7.0. Consult the Javadoc for further details.

Application Changes

In addition to the changes described above, some applications have undergone significant changes. These are documented in this section.

Product Entitlements

The introduction of product entitlements has changed the way in which access to products is controlled. See the *Comergent eBusiness System Administration Guide* for further details.

CHAPTER 11

Release 7.0.2 to Release 7.1 Migration

This chapter provides a description of the schema changes to the Comergent eBusiness System from Release 7.0.2 to Release 7.1. Please consult the Release 7.1 *Comergent eBusiness System Implementation Guide* for the steps required to upgrade a Comergent eBusiness System from Release 7.0.2 to Release 7.1.

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General

The main topics covered in this chapter are:

- New Database Objects
- Deleted Database Objects
- Modified Database Objects
- XML Schema Changes
- API Changes
- Application Changes

New Database Objects

List of New Tables

The following is the list of new tables that have been added to the Comergent eBusiness System in Release 7.1. Please refer to the *Comergent eBusiness System Reference Guide* and the **WEB-INF/sql/Oracle/ setup/oracle_tables.sql** script for their details.

- CMGT_AUTHENTICATION_EVENT
- CMGT_AUTH_USER_CONTACTS
- CMGT_PREVIOUS_PASSWORD
- CMGT_PRODUCT_REVIEW
- CMGT_STORE_FACADE
- CMGT_SYS_PROPERTIES
- CMGT_SYS_PROPERTY_LOCALE
- CMGT_SYS_PROPERTY_UI_HINTS
- CMGT_USER_PROPERTY
- CMGT_USER_PROPERTY_LOCALE
- CMGT_USER_PROPERTY_UI_HINT
- CMGT_USER_X_CARTDEFAULTS
- CMGT_USER_X_PROPERTY_VALUE

List of New Indexes

The following indexes have been added:

TABLE 17. New Indexes

Table Name	Index Name
CMGT_SKU_MAPPING	sku_map_auth
CMGT_AVAILABILITY	avail_unique

List of New Triggers

The following triggers have been added:

TABLE 18. New Triggers

Table Name	Trigger Name
CMGT_USER_PROPERTY_LOCALE	user_property_locale_trigger
CMGT_SYS_PROPERTY_LOCALE	sys_property_locale_trigger
CMGT_PRODUCT_LOCALE	product_locale_trigger

List of New Views

- VW_PRODUCT_LOCALE
- VW_CMGT_PRODUCT_X_FEATURE

List of New Sequences

The following new sequences have been added:

- CRON_KEY_SEQ
- CRON_SHIST_CRON_KEY_SEQ
- PRODUCT_REVIEW_KEY_SEQ
- STORE_FACADE_KEY_SEQ
- SYS_PROPERTY_KEY_SEQ
- USER_PROPERTY_KEY_SEQ

List of New Procedures

No new procedures have been added.

Sequence Procedures

The following new sequence procedures have been added:

- STOREFACADEKEY
- SYSPROPERTYKEY
- CRONKEY
- CRONSHISTCRONKEY
- REVIEWKEY
- USERPROPERTYKEY

List of New Constraints

Foreign Key Constraints

```
ALTER TABLE CMGT_VM_GRID_SHEET_ROWS ADD
CONSTRAINT FK_VM_GRID_SHT_ROWS_ITEM_KEY FOREIGN KEY
(
ITEM_KEY
) REFERENCES CMGT_ITEMS (
ITEM_KEY
) ON DELETE CASCADE;

ALTER TABLE CMGT_SYS_PROPERTY_UI_HINTS ADD
CONSTRAINT FK_SYS_PROP_UI_HINTS_KEY FOREIGN KEY
(
SYS_PROPERTY_KEY
) REFERENCES CMGT_SYS_PROPERTIES (
SYS_PROPERTY_KEY
) ON DELETE CASCADE;

ALTER TABLE CMGT_USER_PROPERTY_LOCALE ADD
CONSTRAINT FK_USER_PROP_LOCALE_KEY FOREIGN KEY
(
USER_PROPERTY_KEY
) REFERENCES CMGT_USER_PROPERTY (
USER_PROPERTY_KEY
) ON DELETE CASCADE;
```

Foreign Key Uniqueness Constraints

```
ALTER TABLE CMGT_VM_GRID_SHEET_COLUMNS ADD
CONSTRAINT FK_VM_GRID_SHT_CLMNS_ITEM_KEY FOREIGN KEY
(
PROPERTY_KEY
) REFERENCES CMGT_PROPERTIES (
PROPERTY_KEY
) ON DELETE CASCADE;Uniqueness Constraints
```

Deleted Database Objects

The following objects are no longer used in Release 7.1. They are not deleted during migration.

Obsoleted Indexes

No indexes have been removed.

Obsoleted Tables

No tables have been removed.

Obsoleted Sequences

No sequences have been obsoleted.

Obsoleted Sequence Procedures

No procedures have been obsoleted.

Deleted Triggers

No triggers have been deleted or obsoleted.

Modified Database Objects

The following database objects are modified in upgrading from Release 7.0.2 to Release 7.1:

New Columns

The following columns are added to existing tables:

TABLE 19. Columns Added to Tables

Table Name	Column Name	Data Type	Nullable?
CMGT_AVAILABILITY	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_CAMPAIGN	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_CART_CONFIGURATION_LINES	RULE_PICK	NUMBER(1)	POSSIBLY NULL
CMGT_CC_TRANSACTION_HISTORY	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_CRON	CRON_KEY STOREFRONT_KEY	NUMBER(20) NUMBER(20)	NOT NULL NOT NULL
CMGT_CRON_STATUS_HISTORY	CRON_KEY	NUMBER(20)	NOT NULL
CMGT_INVOICES	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_INV_LOG	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_LEAD	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_MAILING_LISTS	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_MDF_PROGRAM	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_OIL	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_ORDER_EXTN	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_PARTNERS	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_PRICELISTS	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_PRICING_CART_RULE	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_PRODUCT_ENTITLEMENT	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_PRODUCT_LOCALE	KEY_PRODUCT_DATA, LARGE_IMAGE	VARCHAR(1024), VARCHAR(120)	NOT NULL NOT NULL
CMGT_PRODUCT_X_FEATURE	SEQUENCE_NUMBER, RELATION_TYPE	NUMBER(20), NUMBER(20)	NOT NULL, NOT NULL
CMGT_PROMOTIONS	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_RETURNS	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_SKU_MAPPING	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_TASK	STOREFRONT_KEY	NUMBER(20)	NOT NULL
CMGT_USER_CONTACTS	STOREFRONT_KEY	NUMBER(20)	NOT NULL

Data from the Release 7.0.2 SUPPLIER_KEY column has been moved to the STOREFRONT_KEY column. You should review reports that make use of the SUPPLIER_KEY column because the form of these reports must change between Release 7.0.2 and Release 7.1.

Modified Columns

The following existing table columns were modified.

TABLE 20. Columns Modified in Tables

Table Name	Column	Change
CMGT_FEATURE	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_FEATURE_LOCALE	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_FEATURE_TYPE	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_FEATURE_TYPE_GROUP	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_FEATURE_TYPE_GROUP_LOCALE	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_FEATURE_TYPE_LOCALE	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_INV_LOG	SELLER_KEY	Accepts NULL values
CMGT_OIL	SELLER_KEY	Accepts NULL values

TABLE 20. Columns Modified in Tables

Table Name	Column	Change
CMGT_PRODUCT	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_PRODUCT_CATEGORY	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_PRODUCT_CATEGORY_LOCALE	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_PRODUCT_LOCALE	NAME DESCRIPTION	Type changed to VARCHAR2(500) Type changed to VARCHAR2(1000)
CMGT_USER_PRICELIST	SHARABLE	Type changed to NUMBER(1)

List of Changed Triggers

No triggers have been changed.

List of Changed Views

- VM_CMGT_OIL
- VM_CMGT_CAMPAIGN
- VW_CMGT_ORDER_EXTN
- VW_CMGT_PARTNERS
- VW_CMGT_USER_CONTACTS
- VW_CMGT_CAMPAIGN_LINK_ACC_INFO
- VW_CMGT_CAMPAIGN_LINES
- VW_CMGT_CAMPAIGN_RECIPENTS
- VW_CMGT_CATALOG_TO_CART_LOG

- VW_CMGT_MAILING_LISTS
- VW_CMGT_PHONES
- VW_CMGT_UPLOADED_MAIL_MEMBERS
- VW_CMGT_OIL_HEADER

XML Schema Changes

The following sections summarize the changes to the XML schema:

New Data Objects

The following data objects have been added in Release 7.1:

- AuthenticationEvent
- AuthenticationPassword
- AuthenticationUserContact
- C3PrimaryStorefrontRW
- C3StorefrontRW
- PartnerStorefrontKey
- ProductAvgRevRating
- ProductReview
- RelatedCategory
- RemotePing
- ReviewUserData
- StoreFacade
- SysProperty
- SysPropertyLocale
- SysPropertyUIHint
- UserProperty
- UserPropertyAdministration
- UserPropertyLocale

- UserPropertyLocaleUnlocalized
- UserPropertyUIHint
- UserStorefrontData
- UserXPropertyValue
- UserXCartDefaults

Deleted Data Objects

The following data objects have been removed:

- AnonymousUser
- GroupData

Modified Data Objects

Please contact Comergent Technologies, Inc. for this information.

API Changes

In addition to changes at the schema level, there have also been changes to the supported Java APIs in Release 7.1 as follows:

- Platform layer: the modularization of the platform means that many of the platform APIs have changed. These are summarized in the *Comergent eBusiness System Developer Guide*.
- Application layer: New APIs have been introduced to support the new functionality added in Release 7.1. Consult the Javadoc for further details.

Application Changes

In addition to the changes described above, some applications have undergone significant changes. These are documented in this section.

Storefronts

The introduction of the new form of storefronts has changed the way in which access to some data objects is controlled. See the *Comergent eBusiness System Developer Guide* for further details.

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