

**Oracle[®] Retail Security Manager
Data Model
Release 12.0
May 2006**

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Oracle Retail data models can contain Relational Integrity Diagrams and Data Dictionary Language (DDL). A list of the possible contents of each of these is below.

- Relational Integrity Diagrams
 - These diagrams show the relationship between the various tables within a functional area.
 - Table names
 - Column names
 - Primary and foreign keys
- Data Dictionary Language (DDL)
 - Table names and descriptions
 - Column summaries
 - Primary and foreign keys (if applicable)
 - Check constraints (if applicable)
 - Index summaries (if applicable)
 - Column detail information

Audience

This data model is written for the following audiences:

- Data modelers
- Business analysts
- System analysts and designers
- Integrators and implementation staff

Related Documents

You can find more information about this product in these resources:

- Oracle Retail Security Manager Release Notes
- Oracle Retail Security Manager Installation Guide
- Oracle Retail Security Manager User Guide
- Oracle Retail Security Manager Operations Guide
- Oracle Retail Security Manager Online Help

Customer Support

- <https://metalink.oracle.com>

When contacting Customer Support, please provide:

- Product version and program/module name.
- Functional and technical description of the problem (include business impact).
- Detailed step-by-step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

ROLE_NAMED_PERMISSION (RSM)			
# *	789	ID	
*	789	ROLE_ID	
*	789	PERMISSION_ID	
*	789	IS_VIEW	
*	789	IS_EDIT	
*	789	IS_SUBMIT	
*	789	IS_APPROVE	
*	789	IS_EMERGENCY	

NAMED_PERMISSION (RSM)			
# *	789	ID	
*	A	NAME	
*	A	APPLICATION	
*	789	IS_VIEW	
*	789	IS_EDIT	
*	789	IS_SUBMIT	
*	789	IS_APPROVE	
*	789	IS_EMERGENCY	

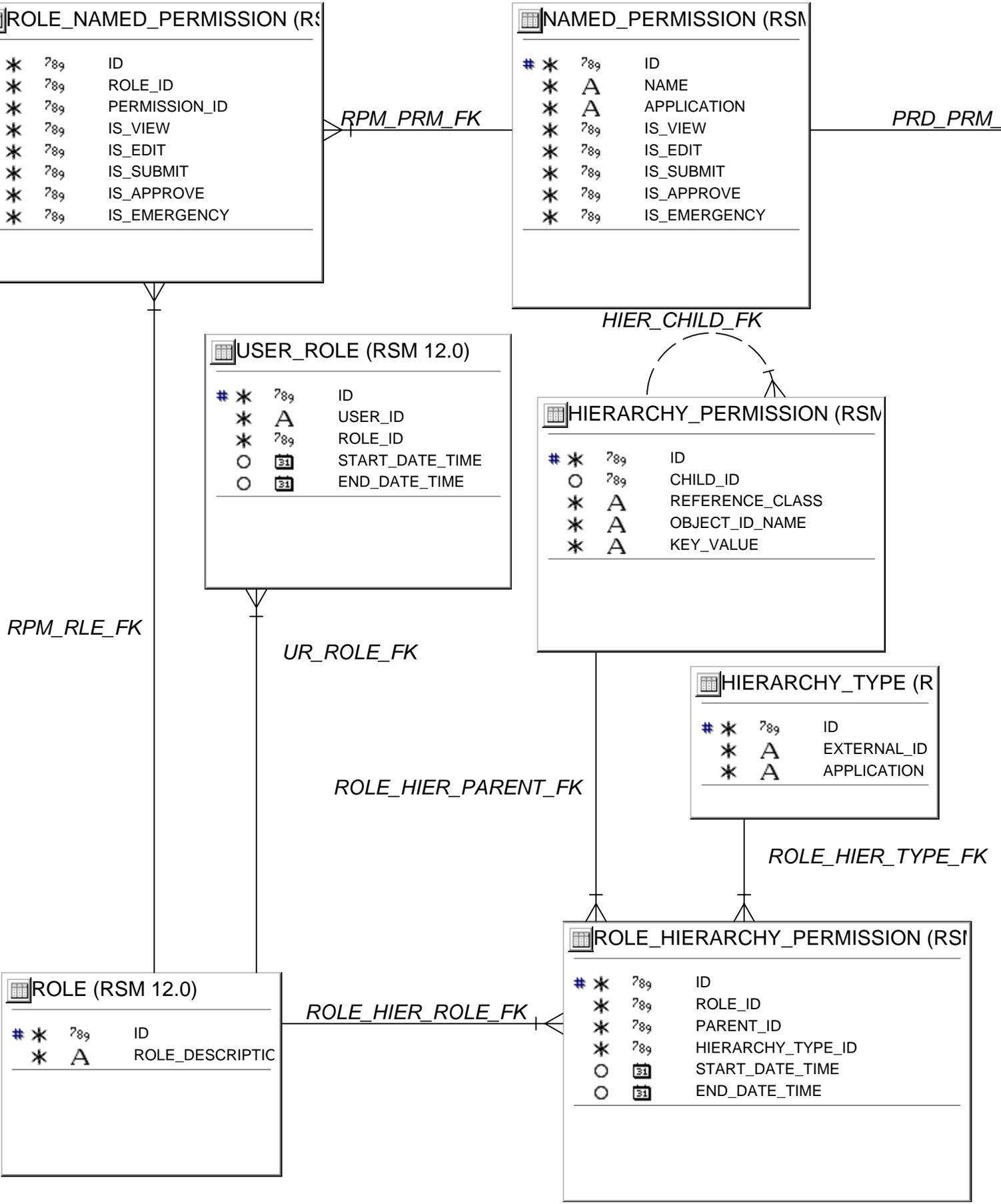
USER_ROLE (RSM 12.0)			
# *	789	ID	
*	A	USER_ID	
*	789	ROLE_ID	
○	31	START_DATE_TIME	
○	31	END_DATE_TIME	

HIERARCHY_PERMISSION (RSM)			
# *	789	ID	
○	789	CHILD_ID	
*	A	REFERENCE_CLASS	
*	A	OBJECT_ID_NAME	
*	A	KEY_VALUE	

HIERARCHY_TYPE (RSM)			
# *	789	ID	
*	A	EXTERNAL_ID	
*	A	APPLICATION	

ROLE (RSM 12.0)			
# *	789	ID	
*	A	ROLE_DESCRIPTOR	

ROLE_HIERARCHY_PERMISSION (RSM)			
# *	789	ID	
*	789	ROLE_ID	
*	789	PARENT_ID	
*	789	HIERARCHY_TYPE_ID	
○	31	START_DATE_TIME	
○	31	END_DATE_TIME	



 NAMED_PERMISSION_DSC

# *	789	ID
*	789	PERMISSION_ID
*	A	LANGUAGE
○	A	COUNTRY
○	A	VARIANT
*	A	LABEL
○	A	DSC

FK

 USER_LOGIN_INFO (RSM 12.0)

# *	789	ID
*	A	USER_ID
*	789	CURR_AUTH_FAILURES
*		LAST_FAIL_DATE

 APP_LAUNCH_PARAMETER (RSM)

# *	789	ID
*	A	USER_ID
*	A	USER_NAME
*	A	PASSWORD
*	A	APPLICATION

Oracle Designer

Report : TABLE DEFINITION
Filename : C:\cktci.pdf
Run by : RTKDBA
Report Date : 18 May 2006
Total Pages : 18

Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container : RSM 12.0
Container Version :
Recurse Sub-Containers : Y
Tab/View/Snap Name : %
Diagram :

Includes
 Tables : Yes
 Views : Yes
 Snapshots : Yes
 Column Details : Yes

Tables Created
 On/After :
and On/Before : 18 May 2006

Tables Changed
 On/After :
 On/Before : 18 May 2006

Table Definition

Container : RSM 12.0 Version :

Table Name : APP_LAUNCH_PARAMETER Alias :
Display Title :Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
10	ID	NOT NULL	NUMBER (18)
20	USER_ID	NOT NULL	VARCHAR2 (255)
30	USER_NAME	NOT NULL	VARCHAR2 (255)
40	PASSWORD	NOT NULL	VARCHAR2 (255)
50	APPLICATION	NOT NULL	VARCHAR2 (255)

Primary Key

<u>Name</u>	<u>Column</u>
PK_APP_LAUNCH_PARAMETER	ID

Column Detail

10	ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;
20	USER_ID	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
30	USER_NAME	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
40	PASSWORD	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
50	APPLICATION	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Column Detail

40 OBJECT_ID_NAME
Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;

50 KEY_VALUE
Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Table Name : HIERARCHY_TYPE Alias :
Display Title :Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
10	ID	NOT NULL	NUMBER (18)
20	EXTERNAL_ID	NOT NULL	VARCHAR2 (255)
30	APPLICATION	NOT NULL	VARCHAR2 (255)

Primary Key

<u>Name</u>	<u>Column</u>
PK_HIERARCHY_TYPE	ID

Column Detail

10	ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;
20	EXTERNAL_ID	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
30	APPLICATION	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Table Name : NAMED_PERMISSION Alias :
Display Title :Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
10	ID	NOT NULL	NUMBER (18)
20	NAME	NOT NULL	VARCHAR2 (255)
30	APPLICATION	NOT NULL	VARCHAR2 (255)
40	IS_VIEW	NOT NULL	NUMBER (1)
50	IS_EDIT	NOT NULL	NUMBER (1)
60	IS_SUBMIT	NOT NULL	NUMBER (1)
70	IS_APPROVE	NOT NULL	NUMBER (1)
80	IS_EMERGENCY	NOT NULL	NUMBER (1)

Primary Key

<u>Name</u>	<u>Column</u>
PK_NAMED_PERMISSION	ID

Column Detail

10	ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;
20	NAME	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
30	APPLICATION	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
40	IS_VIEW	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;
50	IS_EDIT	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;
60	IS_SUBMIT	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;
70	IS_APPROVE	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Column Detail

Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;

80 IS_EMERGENCY

Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Table Name : NAMED_PERMISSION_DSC Alias :
Display Title :Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
10	ID	NOT NULL	NUMBER (18)
20	PERMISSION_ID	NOT NULL	NUMBER (18)
30	LANGUAGE	NOT NULL	VARCHAR2 (25)
40	COUNTRY	NULL	VARCHAR2 (25)
50	VARIANT	NULL	VARCHAR2 (25)
60	LABEL	NOT NULL	VARCHAR2 (800)
70	DSC	NULL	VARCHAR2 (4000)

Primary Key

<u>Name</u>	<u>Column</u>
PK_NAMED_PERMISSION_DSC	ID

Foreign Keys

PRD_PRM_FK

PERMISSION_ID	references	NAMED_PERMISSION.ID
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	Yes	Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
NAMED_PERMISSION_DSC_I1	1	PERMISSION_ID	NOT UNIQUE

Column Detail

10	ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;
20	PERMISSION_ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Column Detail

```
30  LANGUAGE
    Optional ? :No ; Varchar2 (25) ;() ; ; Uppercase ? :No ;
40  COUNTRY
    Optional ? :Yes ; Varchar2 (25) ;() ; ; Uppercase ? :No ;
50  VARIANT
    Optional ? :Yes ; Varchar2 (25) ;() ; ; Uppercase ? :No ;
60  LABEL
    Optional ? :No ; Varchar2 (800) ;() ; ; Uppercase ? :No ;
70  DSC
    Optional ? :Yes ; Varchar2 (4000) ;() ; ; Uppercase ? :No ;
```


Table Definition

Container : RSM 12.0 Version :

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
ROLE_HIERARCHY_PERMISSION_I1	1	PARENT_ID	NOT UNIQUE
ROLE_HIERARCHY_PERMISSION_I2	1	ROLE_ID	NOT UNIQUE
ROLE_HIERARCHY_PERMISSION_I3	1	HIERARCHY_TYPE_ID	NOT UNIQUE

Column Detail

```

Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;
20  ROLE_ID
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;
30  PARENT_ID
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;
40  HIERARCHY_TYPE_ID
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;
50  START_DATE_TIME
Optional ? :Yes ; Timestamp ( , 6) ;( ) ; ; Uppercase ? :No ;
60  END_DATE_TIME
Optional ? :Yes ; Timestamp ( , 6) ;( ) ; ; Uppercase ? :No ;

```


Table Definition

Container : RSM 12.0 Version :

Column Detail

```
10  ID
    Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;
20  ROLE_ID
    Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;
30  PERMISSION_ID
    Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;
40  IS_VIEW
    Optional ? :No ; Number (1) ;( ) ; ; Uppercase ? :No ;
50  IS_EDIT
    Optional ? :No ; Number (1) ;( ) ; ; Uppercase ? :No ;
60  IS_SUBMIT
    Optional ? :No ; Number (1) ;( ) ; ; Uppercase ? :No ;
70  IS_APPROVE
    Optional ? :No ; Number (1) ;( ) ; ; Uppercase ? :No ;
80  IS_EMERGENCY
    Optional ? :No ; Number (1) ;( ) ; ; Uppercase ? :No ;
```

Table Definition

Container : RSM 12.0 Version :

Table Name : USER_LOGIN_INFO Alias :
Display Title :Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
10	ID	NOT NULL	NUMBER (18)
20	USER_ID	NOT NULL	VARCHAR2 (255)
30	CURR_AUTH_FAILURES	NOT NULL	NUMBER (10)
40	LAST_FAIL_DATE	NOT NULL	TIMESTAMP (, 6)

Primary Key

<u>Name</u>	<u>Column</u>
PK_USER_LOGIN_INFO	ID

Column Detail

10	ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;
20	USER_ID	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
30	CURR_AUTH_FAILURES	Optional ? :No ; Number (10) ;() ; ; Uppercase ? :No ;
40	LAST_FAIL_DATE	Optional ? :No ; Timestamp (, 6) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Table Name : USER_ROLE Alias :
Display Title :Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
10	ID	NOT NULL	NUMBER (18)
20	USER_ID	NOT NULL	VARCHAR2 (255)
30	ROLE_ID	NOT NULL	NUMBER (18)
40	START_DATE_TIME	NULL	TIMESTAMP (, 6)
50	END_DATE_TIME	NULL	TIMESTAMP (, 6)

Primary Key

<u>Name</u>	<u>Column</u>
PK_USER_ROLE	ID

Foreign Keys

UR_ROLE_FK

ROLE_ID	references	ROLE.ID
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	Yes	Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
USER_ROLE_I1	1	ROLE_ID	NOT UNIQUE

Column Detail

10	ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;
20	USER_ID	Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;
30	ROLE_ID	Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;

Table Definition

Container : RSM 12.0 Version :

Column Detail

40 START_DATE_TIME
 Optional ? :Yes ; Timestamp (, 6) ; () ; ; Uppercase ? :No ;

50 END_DATE_TIME
 Optional ? :Yes ; Timestamp (, 6) ; () ; ; Uppercase ? :No ;

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TABLE DEFINITION

End of Report

Oracle Designer

Report : SEQUENCE DEFINITION
Filename : C:\ckosq.pdf
Run by : RTKDBA
Report Date : 18 May 2006
Total Pages : 4

Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container : RSM 12.0
Container Version :
Recurse Sub-Containers : Y
ORACLE Sequence Name : %

Sequence Created

On/After :
On/Before : 18 May 2006
and

Sequence Changed

On/After :
On/Before : 18 May 2006

Container : RSM 12.0 Version :

Sequence	Database	Increment	Cycle	Order	Cache Order	Minimum	Maximum	Start Seq At	Comment
*USER_ROLE_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	3	
*NAMED_PERMISSION_DSC_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	108	
*NAMED_PERMISSION_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	90	
*HIERARCHY_TYPE_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	2	
*ROLE_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	2	
*HIERARCHY_PERMISSION_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	72	
*ROLE_HIERARCHY_PERMISSION_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	72	

(*) Denotes Container Owns Sequence

<u>Sequence</u>	<u>Database</u>	<u>Increment</u>	<u>Cycle</u>	<u>Order</u>	<u>Cache Order</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Start Seq At</u>	<u>Comment</u>
*APP_LAUNCH_PARAMETER_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	2	
*USER_LOGIN_INFO_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	17	
*ROLE_NAMED_PERMISSION_SEQ	RETEK	1	N	N	0	1	999999999 999999999 999999999	94	

(*) Denotes Container Owns Sequence

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SEQUENCE DEFINITION

End of Report

Oracle Designer

Report : ORACLE TYPE DEFINITION
Filename : C:\ckotdfn.pdf
Run by : RTKDBA
Report Date : 18 May 2006
Total Pages : 3

Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container : RSM 12.0
Container Version :
Recurse Sub-Containers : Y
Oracle Type : %
Oracle Type Name : %
Include Usages :

Oracle Types Created

On/After :
On/Before : 18 May 2006
and

Oracle Types Changed

On/After :
On/Before : 18 May 2006

Oracle Type Definition

Oracle Designer

ORACLE TYPE DEFINITION REPORT

End of Report

Oracle Designer

Report : VIEW/MATERIALIZED VIEW DEFINITION
Filename : C:\ckvwdef.pdf
Run by : RTKDBA
Report Date : 18 May 2006
Total Pages : 3

Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container Name : RSM 12.0
Container Version :
Recurse Sub-Containers : Y
Materialized View Name : %
View Name : %
Materialized Views : Yes
Views : Yes

Views/Materialized Views Created

On/After :
On/Before : 18 May 2006

and

Views/Materialized Views Changed

On/After :
On/Before : 18 May 2006

Oracle Designer

VIEW/MATERIALIZED VIEW DEFINITION REPORT

End of Report