

# Retek<sup>®</sup> Security Manager<sup>™</sup> 11.0

## Data Model



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### **Corporate Headquarters:**

Retek Inc.  
Retek on the Mall  
950 Nicollet Mall  
Minneapolis, MN 55403  
USA

888.61.RETEK (toll free US)  
Switchboard:  
+1 612 587 5000

Fax:  
+1 612 587 5100

### **European Headquarters:**

Retek  
110 Wigmore Street  
London  
W1U 3RW  
United Kingdom

Switchboard:  
+44 (0)20 7563 4600

Sales Enquiries:  
+44 (0)20 7563 46 46

Fax:  
+44 (0)20 7563 46 10

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Retek on the Mall  
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Minneapolis, MN 55403

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- 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.

# Overview

Following is an overview of the two sections of the data model:

- Relational Integrity Diagrams
- Data Dictionary Language

## Relational Integrity Diagrams

These diagrams show the relationship between the various tables within functional area. They include:

- Table names
- Column names
- Primary and foreign keys

## Data Dictionary Language

This section includes the Data Dictionary Language (DDLs) for the Retek Security Manager (RSM) database. The DDLs include:

- Table names and descriptions
- Column summaries
- Primary and foreign keys (if applicable)
- Check constraints (if applicable)
- Index summaries (if applicable)
- Column detail information

Diagram : DD\_RSM

APP_LAUNCH_PARAMET				
#	*	789		
*	A		USER_ID	
*	A		USER_NAME	
*	A		PASSWORD	
*	A		APPLICATION	...

ROLE				
#	*	789		
*	A		ROLE_DESCRIPTION	...

UR\_ROLE  
ROLE\_HIER\_F

USER_LOGIN_INFO				
#	*	789		
*	A		USER_ID	
*	789		CURR_AUTH_FAILURES	
*	31		LAST_FAIL_DATE	...

ROLE_NAMED_PERMISSION				
#	*	789		
*	789		ROLE_ID	
*	789		PERMISSION_ID	
*	789		IS_VIEW	
*	789		IS_EDIT	
*	789		IS_SUBMIT	
*	789		IS_APPROVE	
*	789		IS_EMERGENCY	...

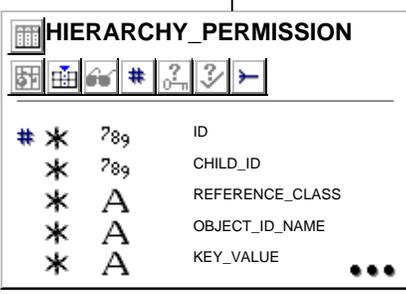
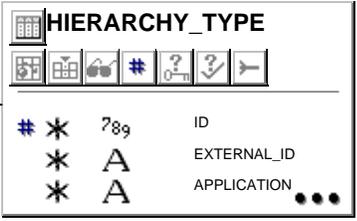
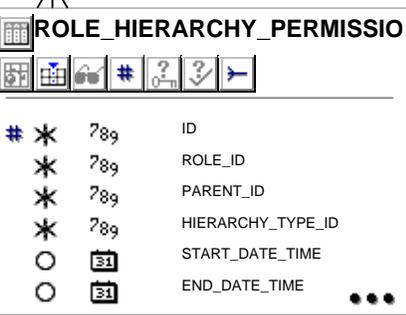
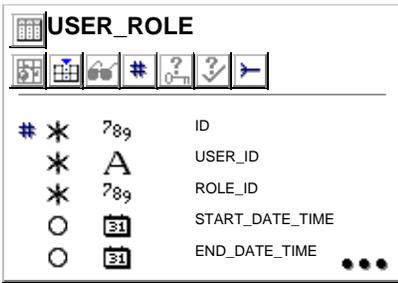
NAMED_PERMISSION				
#	*	789		
*	A		NAME	
*	A		APPLICATION	
*	789		IS_VIEW	
*	789		IS_EDIT	
*	789		IS_SUBMIT	
*	789		IS_APPROVE	
*	789		IS_EMERGENCY	...

NAMED_PERMISSION_DSC				
#	*	789		
*	789		PERMISSION_ID	
*	A		LANGUAGE	
○	A		COUNTRY	
○	A		VARIANT	
*	A		LABEL	
○	A		DSC	...

RPM\_RLE\_FK

RPM\_PRN\_FK

PRD\_PRN\_FK

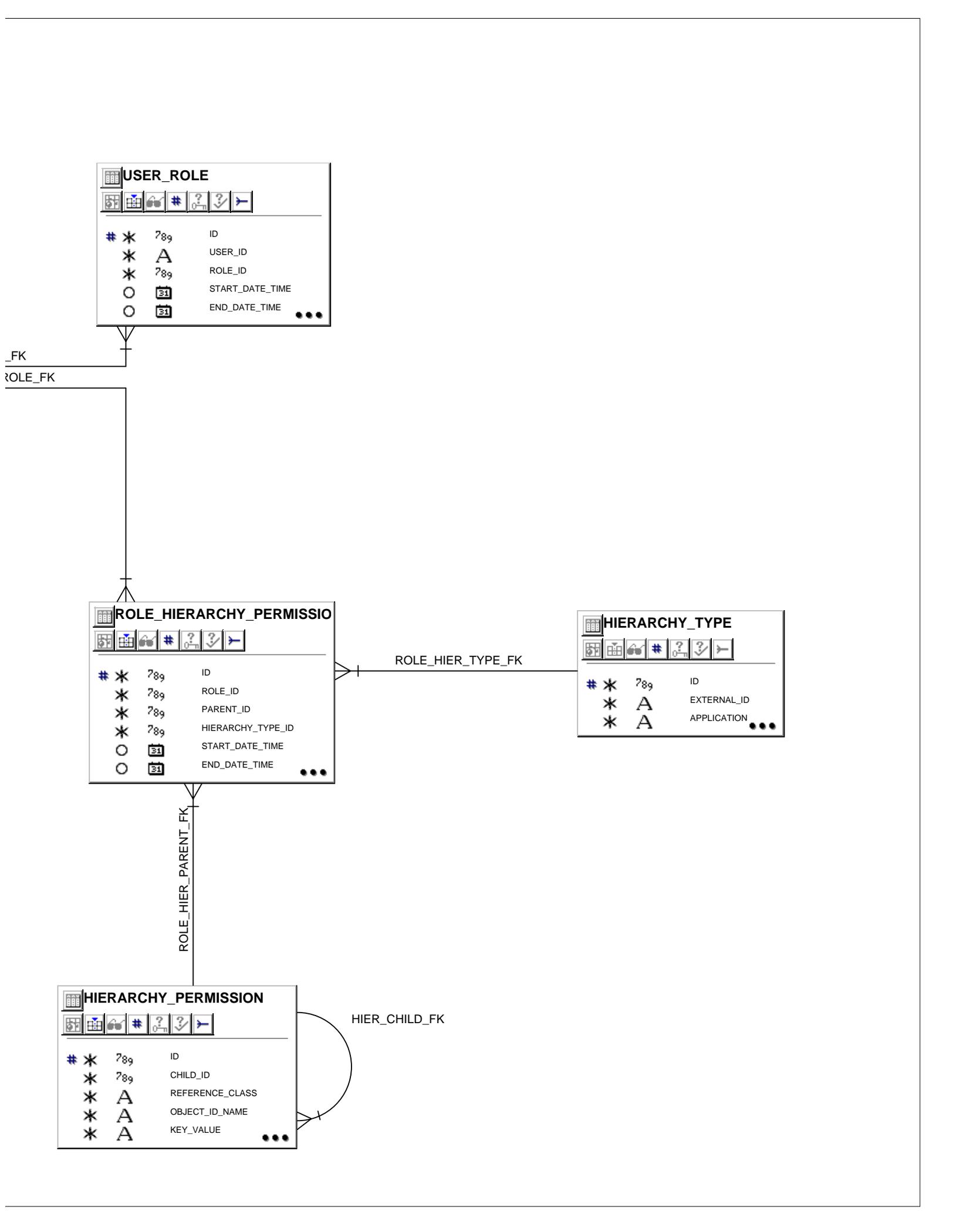


\_FK  
ROLE\_FK

ROLE\_HIER\_TYPE\_FK

ROLE\_HIER\_PARENT\_FK

HIER\_CHILD\_FK



## Oracle Designer

Report : TABLE DEFINITION  
Filename : C:\cktci.pdf  
Run by : RTKDBA  
Report Date : 27 August 2004  
Total Pages : 18

### Parameter Values

Workarea : GLOBAL SHARED WORKAREA  
Container : Retek Security Management 11.0  
Container Version :  
Recurse Sub-Containers : N  
Tab/View/Snap Name : %  
Diagram :  
  
Includes  
Tables : Yes  
Views : Yes  
Snapshots : Yes  
Column Details : Yes  
  
Tables Created  
On/After :  
and On/Before : 27 August 2004  
  
Tables Changed  
On/After :  
On/Before : 27 August 2004

Container : Retek Security Management 11.0      Version :

Table Name : APP\_LAUNCH\_PARAMETER      Alias : ALR  
 Display Title : App Launch Parameter

Description : Access parameters for legacy applications.

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 ;  
 The enterprise user id.

20 USER\_ID  
 Optional ? :No ; Varchar2 (255) ;( ) ; ; Uppercase ? :No ;  
 The enterprise user id.

30 USER\_NAME  
 Optional ? :No ; Varchar2 (255) ;( ) ; ; Uppercase ? :No ;  
 The user name for the legacy application.

40 PASSWORD  
 Optional ? :No ; Varchar2 (255) ;( ) ; ; Uppercase ? :No ;  
 The password for the legacy application.

50 APPLICATION  
 Optional ? :No ; Varchar2 (255) ;( ) ; ; Uppercase ? :No ;  
 The legacy application.

Container : Retek Security Management 11.0      Version :

Table Name : HIERARCHY\_PERMISSION      Alias : HPN  
 Display Title : Hierarchy Permission

Description : A defined hierarchy permission.

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	CHILD_ID	NOT NULL	NUMBER (18)
50	REFERENCE_CLASS	NOT NULL	VARCHAR2 (255)
60	OBJECT_ID_NAME	NOT NULL	VARCHAR2 (255)
70	KEY_VALUE	NOT NULL	VARCHAR2 (255)

Primary Key

<u>Name</u>	<u>Column</u>
PK_HIERARCHY_PERMISSION	ID

Foreign Keys

HIER\_CHILD\_FK

CHILD\_ID references HIERARCHY\_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>
HIERARCHY_PERMISSION_I1	10	CHILD_ID	NOT UNIQUE

Column Detail

10 ID  
 Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;  
 The primary key of the HIERARCHY\_PERMISSION table.

20 CHILD\_ID  
 Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;

**Table Definition**

Container : Retek Security Management 11.0 Version :

Column Detail

The child hierarchy of this hierarchy which itself is a hierarchy permission.

50 REFERENCE\_CLASS

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

The name of the external business object class which is associated with this hierarchy.

60 OBJECT\_ID\_NAME

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

The class name of the platform implementation of object id which holds the key values.

70 KEY\_VALUE

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

The semicolon-delimited key associated with the external business object class.

**Table Definition**

Container : Retek Security Management 11.0 Version :

Table Name : HIERARCHY\_TYPE Alias : HTE  
 Display Title : Hierarchy Type

Description : A defined hierarchy type as defined in the app\_data\_definition.xml.

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 ;  
 The primary key of the HIERARCHY\_TYPE table.

20 EXTERNAL\_ID  
 Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;  
 The id entered into the app\_data\_definition.xml for the associated hierarchy type.

30 APPLICATION  
 Optional ? :No ; Varchar2 (255) ;() ; ; Uppercase ? :No ;  
 The application with which the hierarchy type is associated.

Container : Retek Security Management 11.0      Version :

Table Name : NAMED\_PERMISSION      Alias : NPN  
 Display Title : Named Permission

Description : A defined action for a user.

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 ;  
 The primary key of the PERMISSION table.

20 NAME  
 Optional ? :No ; Varchar2 (255) ;( ) ; ; Uppercase ? :No ;  
 Unique name used for evaluating permissions.

30 APPLICATION  
 Optional ? :No ; Varchar2 (255) ;( ) ; ; Uppercase ? :No ;  
 The application with which the permission is associated.

40 IS\_VIEW  
 Optional ? :No ; Number (1) ;( ) ; ; Uppercase ? :No ;

50 IS\_EDIT

Container : Retek Security Management 11.0      Version :

Column Detail

```
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 ;
```

Container : Retek Security Management 11.0      Version :

Table Name : NAMED\_PERMISSION\_DSC      Alias : NPC  
 Display Title : Named Permission Dsc

Description : Locale specific descriptions for Permissions.

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)
35	COUNTRY	NULL	VARCHAR2 (25)
37	VARIANT	NULL	VARCHAR2 (25)
40	LABEL	NOT NULL	VARCHAR2 (200)
50	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	10	PERMISSION_ID	NOT UNIQUE

Column Detail

10 ID  
 Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;  
 The primary key of the PERMISSION\_DSC table.

Container : Retek Security Management 11.0      Version :

Column Detail

20 PERMISSION\_ID  
Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;  
The Permission identifier.

30 LANGUAGE  
Optional ? :No ; Varchar2 (25) ;() ; ; Uppercase ? :No ;  
The code for the ISO language code.

35 COUNTRY  
Optional ? :Yes ; Varchar2 (25) ;() ; ; Uppercase ? :No ;  
The code for the ISO country code.

37 VARIANT  
Optional ? :Yes ; Varchar2 (25) ;() ; ; Uppercase ? :No ;  
The code for the ISO variant code.

40 LABEL  
Optional ? :No ; Varchar2 (200) ;() ; ; Uppercase ? :No ;  
The localized short description.

50 DSC  
Optional ? :Yes ; Varchar2 (4000) ;() ; ; Uppercase ? :No ;  
The localized long description.



**Table Definition**

Container : Retek Security Management 11.0 Version :

Table Name : ROLE\_HIERARCHY\_PERMISSION Alias : RHN  
Display Title : Role Hierarchy Permission

Description : A defined role hierarchy permission.

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	ROLE_ID	NOT NULL	NUMBER (18)
30	PARENT_ID	NOT NULL	NUMBER (18)
40	HIERARCHY_TYPE_ID	NOT NULL	NUMBER (18)
50	START_DATE_TIME	NULL	TIMESTAMP ( )
60	END_DATE_TIME	NULL	TIMESTAMP ( )

Primary Key

<u>Name</u>	<u>Column</u>
PK_ROLE_HIERARCHY_PERMISSION	ID

Foreign Keys

## ROLE\_HIER\_PARENT\_FK

PARENT_ID	references	HIERARCHY_PERMISSION.ID
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	Yes	Delete Rule : Restricted

## ROLE\_HIER\_ROLE\_FK

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

## ROLE\_HIER\_TYPE\_FK

HIERARCHY_TYPE_ID	references	HIERARCHY_TYPE.ID
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	Yes	Delete Rule : Restricted

Column Detail

Container : Retek Security Management 11.0 Version :

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
ROLE_HIERARCHY_PERMISSION_I1	10	PARENT_ID	NOT UNIQUE
ROLE_HIERARCHY_PERMISSION_I2	10	ROLE_ID	NOT UNIQUE
ROLE_HIERARCHY_PERMISSION_I3	10	HIERARCHY_TYPE_ID	NOT UNIQUE

Column Detail

10 ID  
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;  
The primary key of the ROLE\_HIERARCHY\_PERMISSION table.

20 ROLE\_ID  
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;  
The role associated with this hierarchy.

30 PARENT\_ID  
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;  
The parent hierarchy permission of this role hierarchy.

40 HIERARCHY\_TYPE\_ID  
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;

50 START\_DATE\_TIME  
Optional ? :Yes ; Timestamp ( ) ;( ) ; ; Uppercase ? :No ;  
The date and time that this hierarchy permission becomes active.

60 END\_DATE\_TIME  
Optional ? :Yes ; Timestamp ( ) ;( ) ; ; Uppercase ? :No ;  
The date and time that this hierarchy permission becomes inactive.



Container : Retek Security Management 11.0      Version :

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
ROLE_NAMED_PERMISSION_I1	10	PERMISSION_ID	NOT UNIQUE
ROLE_NAMED_PERMISSION_I2	10	ROLE_ID	NOT UNIQUE

Column Detail

Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;

The internal identifier of the Role being granted the associated Permission.

30 PERMISSION\_ID

Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;

An internal identifier representing the Permission being assigned to the Role.

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 : Retek Security Management 11.0      Version :

Table Name : USER\_LOGIN\_INFO      Alias : ULO  
Display Title : User Login Info

Description : User login information.

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 ( )

Primary Key

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

Column Detail

10 ID  
Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ;  
The primary key of the USER\_LOGIN\_INFO table.

20 USER\_ID  
Optional ? :No ; Varchar2 (255) ;( ) ; ; Uppercase ? :No ;  
The user id.

30 CURR\_AUTH\_FAILURES  
Optional ? :No ; Number (10) ;( ) ; ; Uppercase ? :No ;  
The current number of authentication failures.

40 LAST\_FAIL\_DATE  
Optional ? :No ; Timestamp ( ) ;( ) ; ; Uppercase ? :No ;  
The date/time of the last authentication failure.

**Table Definition**

Container : Retek Security Management 11.0      Version :

Table Name : USER\_ROLE                      Alias : RUR  
Display Title : Role User

Description : The association of specific Roles to Users within the Platform application system.

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)
15	USER_ID	NOT NULL	VARCHAR2 (255)
20	ROLE_ID	NOT NULL	NUMBER (18)
30	START_DATE_TIME	NULL	TIMESTAMP ()
40	END_DATE_TIME	NULL	TIMESTAMP ()

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	10	ROLE_ID	NOT UNIQUE

Column Detail

10	ID	Optional ? :No ; Number (18) ;( ) ; ; Uppercase ? :No ; The primary key for USER_ROLE.
15	USER_ID	

**Table Definition**

Container : Retek Security Management 11.0 Version :

Column Detail

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

The internal or external identifier of the User being granted the associated Role.

20 ROLE\_ID

Optional ? :No ; Number (18) ;() ; ; Uppercase ? :No ;

An internal identifier representing the Role being assigned to the User.

30 START\_DATE\_TIME

Optional ? :Yes ; Timestamp () ;() ; ; Uppercase ? :No ;

The date and time that this user/role relationship becomes active.

40 END\_DATE\_TIME

Optional ? :Yes ; Timestamp () ;() ; ; Uppercase ? :No ;

The date and time that this user/role relationship becomes inactive.

Oracle Designer

TABLE DEFINITION

End of Report