

Common Application Foundation

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1 Components

1.1 Introduction

Procase has developed a set of programs which can be re-used in other applications, called Common Application Foundation. It contains:

1. Reporting module which includes registration, submission and view pages
2. Security module which includes management of users, groups, and resources
3. Audit module to save and view users and timestamps and to journal data
4. Admin module to handle lookups, error messages, etc
5. Basic infrastructure components such as login, menu, and help

1.2 Modules

No	Code	Name
1	MAIN	Login
2	REP	Reps/Jobs
3	SEC	Security
4	ADM	Admin
5	HLP	Help
6	AUD	Audit
7	SYS	System support

1.3 Menus

- Reports
 - Submit Report / Job
 - Report / Job Queue
- Admin
 - Change Password
 - User and Group
 - Group
 - Form and Component
 - Report / Job and Parameter
 - Group Resource
 - Resource Group
 - System Message
 - System Parameter
 - Domain
 - Help

1.4 Programs

No	Category	Module	Program	Type	Program Name
1	Login	MAIN	MAIN	FORM	Login Screen
2	Reps/Jobs	REP	0010	FORM	Create Report/Job and Parameters
3	Reps/Jobs	REP	0020	FORM	Submit Report/Job
4	Reps/Jobs	REP	0030	FORM	View Report/Job Queue
5	Reps/Jobs	REP	1000	REPORT	Job Results Report
6	Security	SEC	0010	FORM	User and Group
7	Security	SEC	0020	FORM	Group
8	Security	SEC	0030	FORM	Form and Component
9	Security	SEC	0040	FORM	Resource Group
10	Security	SEC	0050	FORM	Group Resource
11	Security	SEC	0060	FORM	Change Password
12	Admin	ADM	0030	FORM	Domain
13	Admin	ADM	0010	FORM	System Message
14	Admin	ADM	0020	FORM	System Parameter
15	Help	HLP	0010	FORM	Define Help
16	Help	HLP	0020	FORM	View Help
17	Background	MAIN	main	MENU	Main Menu
18	Background	MAIN	stdmnu	MENU	Menu Template
19	Background	MAIN	main	PLL	Login Library
20	Background	REP	2000	PROC	Job Control
21	Background	REP	rw	TRIG	RW Server Job Queue
22	Background	REP	rep0021	PLL	Submit Report/Job Library
23	Background	REP	rw_server	PROC	Support - report queue
24	Background	REP	templ_land_01	TMPL	Reports Template - Portrait
25	Background	REP	templ_port_01	TMPL	Reports Template - Landscape
26	Background	REP	lpf_rep_lib_001	PLL	Reports Library
27	Background	SEC	sec0031	PLL	Form and Component Library
28	Background	SEC	uacc	TRIG	User Account
29	Background	SEC	ares	TRIG	Application Resource
30	Background	SEC	agus	TRIG	Access Group User
31	Background	SEC	stdlib	PLL	Security, etc
32	Background	SEC	2015	PROC	Support - security forms
33	Background	SEC	2020	PROC	Forms procs - password, user activity log, etc
34	Background	AUD	audit	TRIG	Every table - 4 audit cols
35	Background	AUD	journal	TRIG	Every table - Journal
36	Background	SYS	stdmod	PLL	Default Library
37	Background	SYS	stdref	OLB	Forms Object Library
38	Background	SYS	2010	PROC	Global Variables & Parameters Procedure
39	Background	SYS	2030	PROC	Debugging Utility
40	Background	SYS	3010	PROC	Support - mutating tables (3010-3140)
41	Background	SYS	stdref	FORM	Compile Object Library
42	Background	SYS	stdtpl	FORM	Generic Form Template
43	Background	SYS	cg\$errors	PROC	Support - forms error messages
44	Background	SYS	ofgbsl	PLL	Case template
45	Background	SYS	ofgtel	PLL	Case template

1.5 Tables

No	Module	Table Name	Screen
1	SEC	USER_ACCOUNT	SEC0010
2	SEC	ACCESS_GROUP	SEC0020
3	SEC	ACCESS_GROUP_USER	SEC0010
4	SEC	APPLICATION_RESOURCE	SEC0030
5	SEC	ACCESS_GROUP_RESOURCE	SEC0040
6	REP	REPORT_PARAMETER	REP0010
7	REP	JOB_CONTROL	None
8	REP	RW_SERVER_JOB_QUEUE	ADM0020
9	ADM	LOOKUP (CG_REF_CODES)	ADM0030
10	ADM	SYSTEM_MESSAGE	ADM0010
11	ADM	SYSTEM_PARAMETER	ADM0020

1.6 Columns

Table/Column	Key	Opt	Description
USER_ACCOUNT			
user_name	pk		User login
user_full_name			User name
password			Encrypted password
user_account_status			ACT, INACT
ACCESS_GROUP			
access_group_id	pk		System generated id
access_group_name	uk		Name for a group of access rules and/or users
group_type			SEC, DEPT
ACCESS_GROUP_USER			
access_group_id	pk		FK to access group
user_name	pk		FK to user account
APPLICATION_RESOURCE			
application_resource_id	pk		System generated id
resource_type			FORM, REPORT, JOB
description			
form_name			If resource type is FORM
form_tab_name			Defines tab as a resource
form_block_name			Defines block as a resource
form_item_name			Defines field as a resource
report_name			If resource type is REPORT/JOB
help_text			Define on-line help on each resource
APPLICATION_GROUP_RESOURCE			
access_group_id	pk		FK to access group
application_resource_id	pk		FK to application resource

query_yn		View only privilege
insert_yn		Insert privilege
update_yn		Update privilege
delete_yn		Delete privilege
execute_yn		Execute privilege
REPORT_PARAMETER		
application_resource_id	pk	FK to application resource
parameter_name		
parameter_sequence		
parameter_prompt		
optional_yn		
data_type		
parameter_format		
default_value		
description		
parameter_hint		
lov_query		
validation_query		
JOB_CONTROL		
job_id	pk	
create_timestamp		
control_name		
control_value		
RW_SERVER_JOB_QUEUE		
		Standard oracle queue
LOOKUP (CG_REF_CODES)		
rv_domain	pk	
rv_low_value	pk	
rv_high_value		
rv_abbreviation		
rv_meaning		
SYSTEM_MESSAGE		
message_id	pk	
application_code		
message_type		
message_text		
remark		
SYSTEM_PARAMETER		
parameter_name	pk	
parameter_value		
remark		

2 Security Design

2.1 Security Overview

2.1.1 Concepts

In the new pension system, the following components are available for security configuration:

1. Form e.g. ACC0020 employer screen
 - a. Block e.g. Address block within the ACC0020 employer screen
 - i. Item e.g. Receipt status item within the AR Receipt block within the ACC0030 cheque batch screen
2. Report
3. Job

An application resource is a generic term that encapsulates the above security components e.g. form, item

The following access privileges can be defined for an application resource:

- Query – determines whether a user can retrieve data
- Insert – determines whether a user can create insert a new field value
- Update – determines whether a user can update an existing value
- Delete – determines whether a user can delete records in a form
- Execute – determines whether a user can invoke a form from the menu, or run a report or job

A group refers to a collection of access privileges that are defined for application resources. For instance, ACC READ ONLY may contain access control information such that the grantee of this group can only have read-only access on the accounting forms.

A user is assigned one or more groups for access control purposes. For instance, the EREPOLE user may be assigned the ACC WRITE as well as ACC READ ONLY group.

2.1.2 Security Configuration

Form, report and job security can be modified from two different perspectives:

- From the resource (i.e. form, report or job)
 - Note that for forms, security can be defined for the entire form, for a particular block, and/or for a particular item.
- From the group

2.1.3 Naming Convention

- When defining security, it is necessary to provide the correct report, job, form, block, and item names.
- Report and job names are found on the Submit Report/Job form.
- Form, block, and item names are specific to the form and are found using the Show Audit Info option of the Help menu.
 - To determine a form name, open the form, click the Help menu and select the Show Audit Info option.
 - To determine a block name, open the form, navigate to the desired block, click the Help menu and select the Show Audit Info option.
 - To determine an item name, open the form, navigate to the desired block and item, click the Help menu and select the Show Audit Info option.

2.1.4 Registration

- All report and job names have been registered. All form names have been registered. Block and item names have not all been registered.
- To view the registered forms, blocks, and items, go to the Form and Component form (SEC0030) found in the Admin menu.
 - Select the form name (in the first section) to view its corresponding blocks in the middle section.
 - If no block exists, then no items exist. If block(s) do exist, then select the appropriate block in the middle section to view its corresponding items in the bottom section.
- If the desired block/item is not registered (i.e., is not listed in its section), it is necessary to do so.
 - To register a block, first find the corresponding form in the first section. Then enter the block name and description in the middle section.
 - To register an item, the block in which it belongs must first be registered. Once the block has been registered, select this block in the middle section. Then enter the item name and description in the bottom section.
- Note that it is possible to define security for a form, block, or item directly from the Form and Component form by clicking the Access button next to the form/block/item. Clicking this button opens the Resource Group form. For details on this form see the following section.

2.1.5 Resource

- To update a specific resource, go to the Resource Group form (SEC0040) found in the Admin menu.
- Specify the desired resource (i.e., the report, job, form, block, or item) in the top block.
 - If the desired resource does not exist, register it as outlined in the previous section.
- For each resource, an access group can be inserted, deleted or its privileges can be modified.
 - To insert, select the access group name to add to this resource (by typing it or by using the list of values). Then modify privileges by unchecking the appropriate check boxes.
 - To delete, simply press the delete button on the tool bar.
 - To modify, check or uncheck the checkboxes corresponding to the privileges to be modified.

2.1.6 Group

- To update a specific group, go to the Group Resource form (SEC0050) found in the Admin menu.
- Specify the desired group in the top block.
- For each group, a resource can be inserted, deleted and/or its privileges can be modified.
 - To insert, select the resource name to add to this group (by typing it or by using the list of values). Then modify privileges by unchecking the appropriate check boxes.
 - To delete, simply press the delete button on the tool bar.
 - To modify, check or uncheck the checkboxes corresponding to the privileges to be modified.

2.2 Security Model

2.2.1 Overview

Form security supports 3 levels of control. Conceptually access (write permission) should be controlled at the highest possible level e.g. form level. Lower level settings e.g. block-level are used to override/take away the high-level access setting. Lower level can only disable higher level. Item level can disable block or form level, but never enable.

Reports and jobs are different: for them all privileges should be Y (enabled). System will not allow to remove any privilege for report/job – user will get an error message.

Note: buttons are enabled by default. An application resource must be defined to disable them.

2.2.2 Rules

1. Reports and Jobs:
All privileges must be Y.
2. Forms security is established in 3 steps to correspond to 3 levels:

Level 1 - Form level privileges

Form level privileges rules: *query/execute must be Y, insert/update/delete can be N*

If user has no form privileges for the given form defined at all, error will be generated (cannot access)
Otherwise user starts with ALL privileges ENABLED
Thus, look at all roles for this user and get best privilege for each insert/update/delete
if best insert/update/delete is N, loop thru all blocks and DISABLE THAT privilege

Level 2 - Block level privileges

Block level privilege rules: *same as form*

For each block, disable privileges if not already disabled at form level
i.e. Look at all roles for this user and get best privilege for each insert/update/delete
if best insert/update/delete is N, DISABLE THAT privilege

Level 3 - Item level privileges

Item level privilege rules have two cases:

- a. to disable update : update privileges = N, rest = Y
- b. to disable buttons : all privileges must be N

For each item, if best update/execute privilege is N, DISABLE THAT privilege

2.3 Security Setup Examples

2.3.1 Example 1: Read vs. Read/Write Users for ACC Forms

Sample business rules:

1. Some users have read-only access on the entire form e.g. all LPF users can query accounting data
2. Some users have read-write access on the entire form e.g. the accounting users can update data in any accounting form.

Solution:

1. Create 2 mutually exclusive groups: PROCASE ACC READ ONLY group (for read-only access) and PROCASE ACC WRITE group (for read write access) to the accounting forms.
2. Assign users to each (not both) of these groups accordingly.
3. For the read-write group, note that we only need to define form-level access.

Details of these 2 groups are provided below:

File Edit View Favorites Tools » Address http://pfapp.lpfcec.org:7779/forms90/f90servlet/?fo

File Edit Window Help Reference Member Accounting Benefits Reports Admin

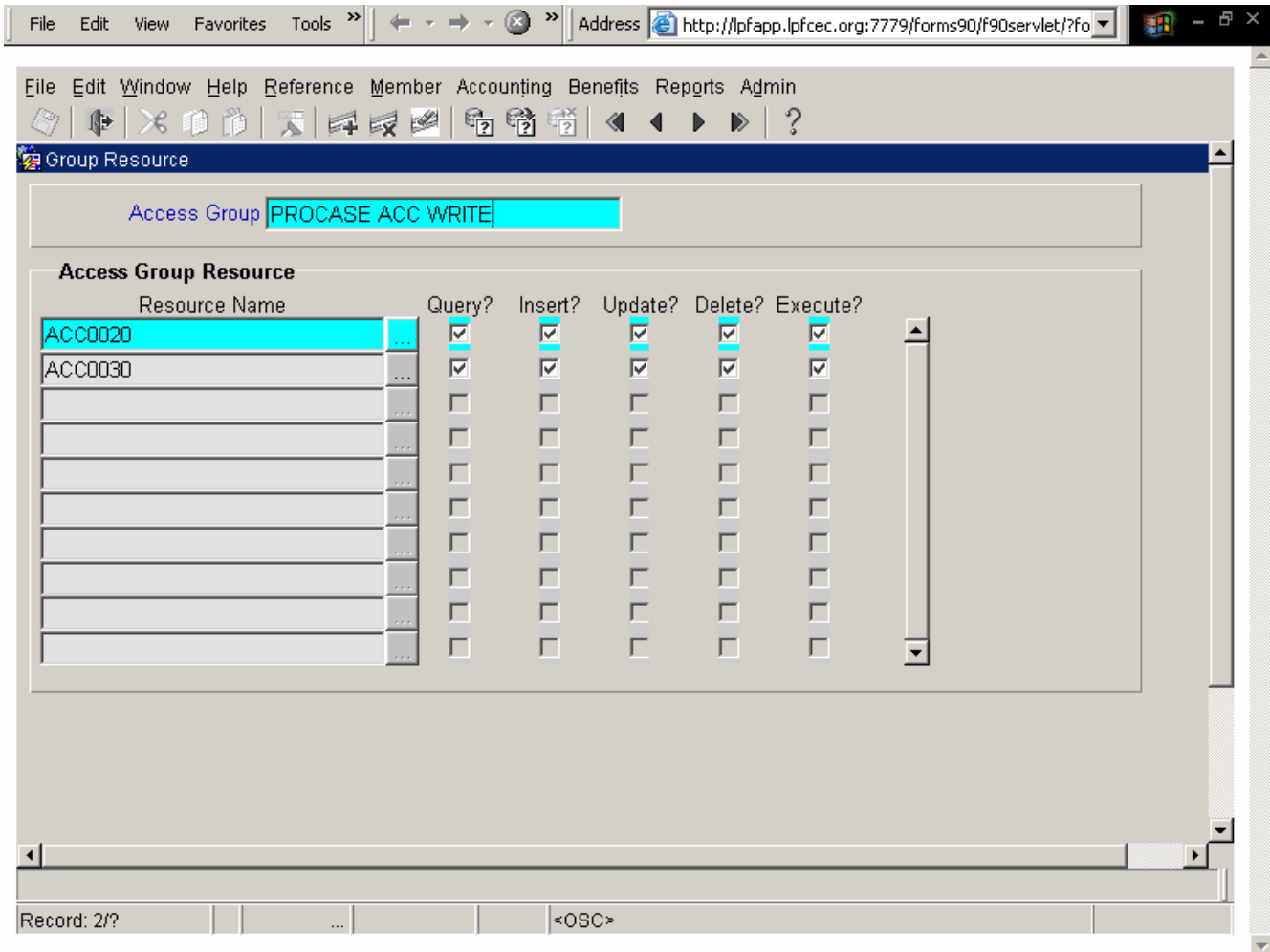
Group Resource

Access Group PROCASE ACC READ ONLY

Access Group Resource

Resource Name	Query?	Insert?	Update?	Delete?	Execute?
ACC0020	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ACC0020.ADDRESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACC0020.CORRESPONDENCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACC0020.EMPLOYER_AGREEMEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACC0030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ACC0030.AR_RECEIPT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACC0030.AR_RECEIPT_DETAIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Record: 1/? <OSC>



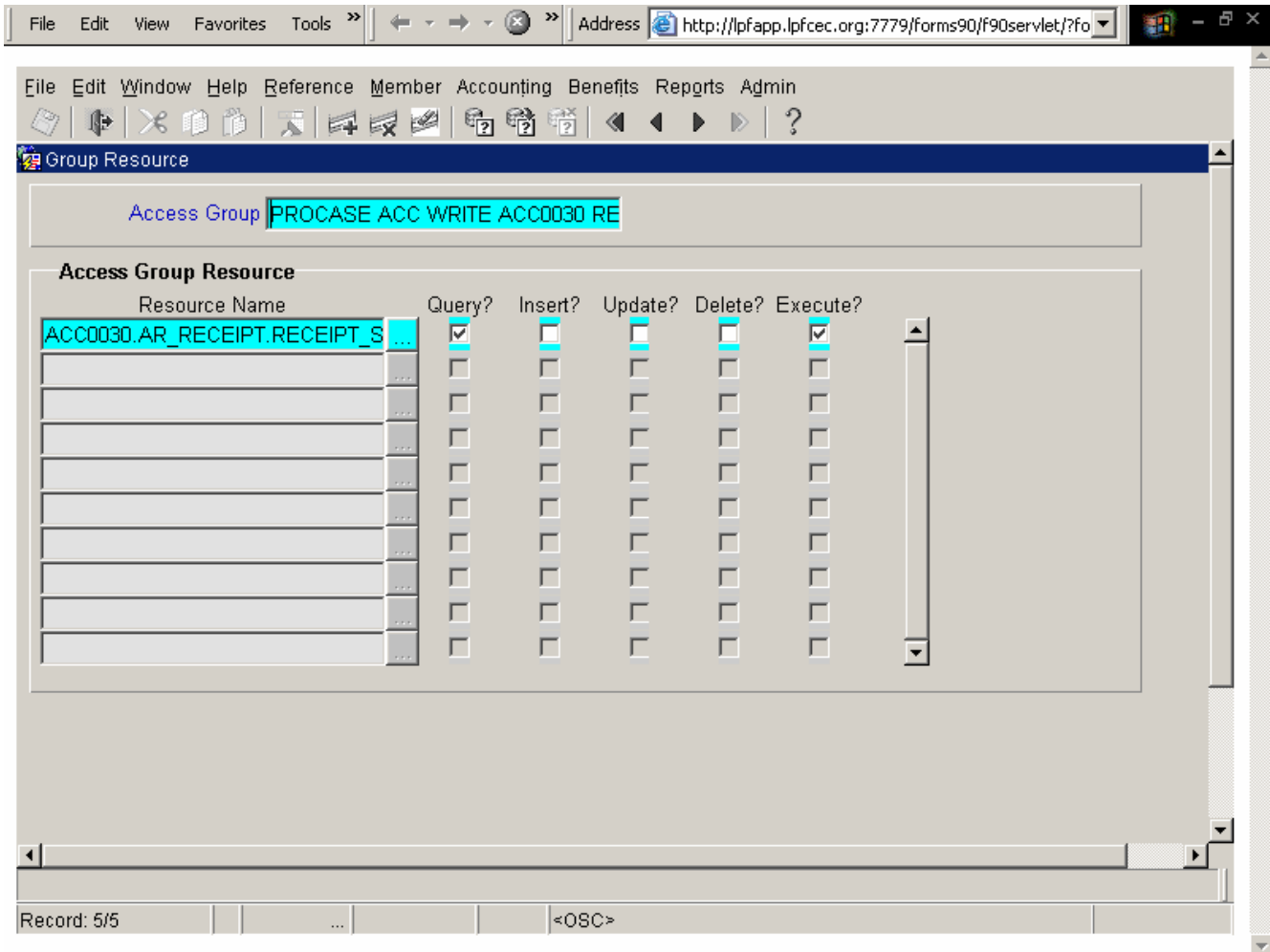
2.3.2 Example 2: Full Access on Field vs. Read-only on Field

Sample business rules:

1. The accounting users by default have full access on the accounting forms (as illustrated in the above case study).
2. However, there are 2 categories of users for the cheque batch screen (ACC0030). To be precise, some users have read-write access all fields except 1 (ACC0030.ar_receiptreceipt_status), but some users have read-write access on all fields including that 1 field. (This handles Valerie as regular user and Joe as the admin user).

Solution:

1. Define a group called PROCASE ACC WRITE ACC0030 REG. This includes a field-level control which grants read-only access to the receipt status in the AR Receipt block in the cheque batch screen. Users such as Valerie will be granted to this role, in addition to the PROCASE ACC WRITE group defined earlier.
2. As for the second category of users e.g. Joe who have full access on the field, we can simply keep the PROCASE ACC WRITE group and it will work as required.



2.3.3 Example 3: Insert on Field vs. Update on Field

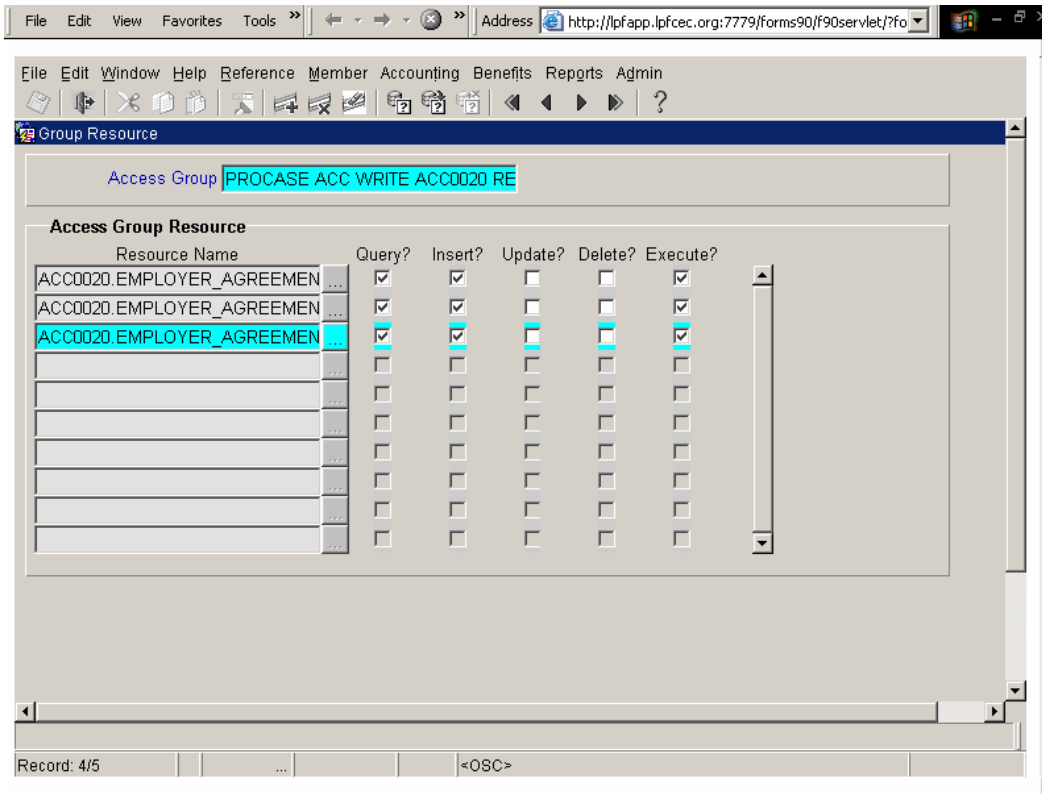
Sample business rules:

1. For the employer screen, some users can only insert a particular field, say, TOA, but others can update the field.

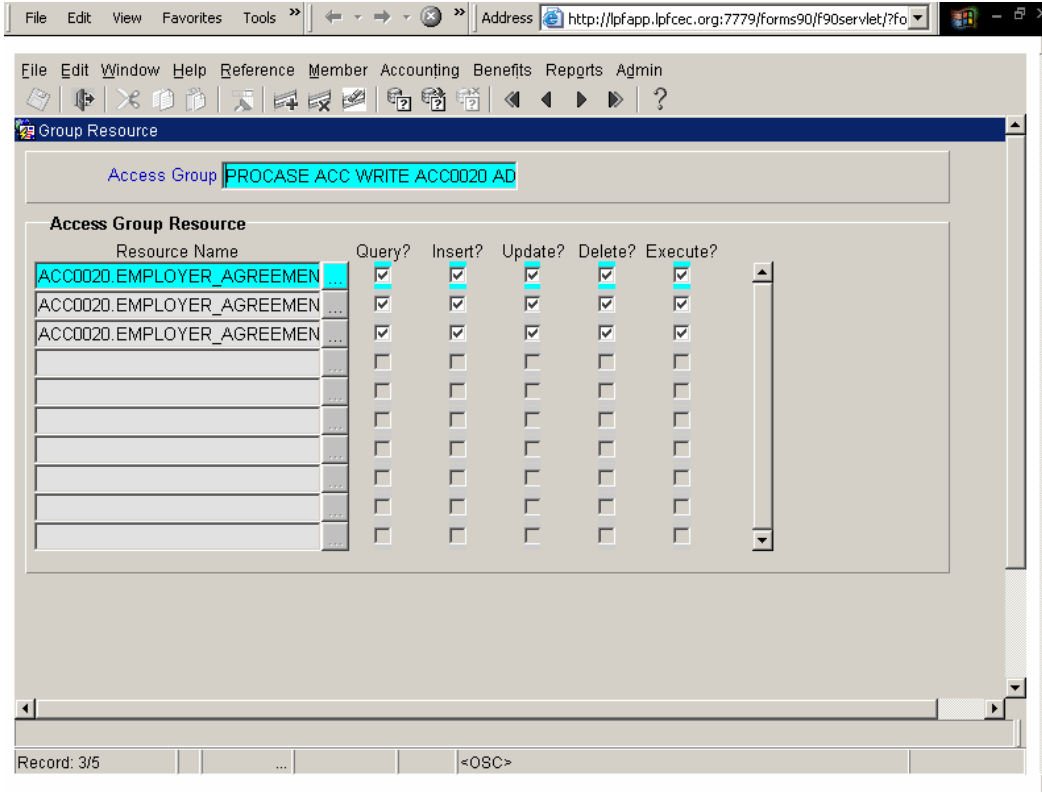
Solution:

1. First identify the screen items required for security control. In this example there are actually 3 fields involved, namely, the ACC0020.EMPLOYER_AGREEMENT.L_APAR_AGREEMENT_TYPE, ACC0020.EMPLOYER_AGREEMENT.L_APAR_PENSION_PLAN_CODE and ACC0020.EMPLOYER_AGREEMENT.L_APAR_TYPE_OF_WORK_CODE fields.
2. Next define the PROCASE ACC WRITE ACC0020 REG which grants INSERT privilege on the field. This means that when creating a new employer record, a user can enter a value for the TOA fields, but not during update.
3. Next define the PROCASE ACC WRITE ACC0020 ADM which gives the update privilege. Note that this is different from the previous case study in that we need a more granular access (update as opposed to insert/update/delete); hence, we need a new group to control field-level access.

Here is the configuration page for the PROCASE ACC WRITE ACC0020 REG group.



Here is the configuration page for the PROCASE ACC WRITE ACC0020 ADM group.



2.3.4 Example 4: Read only on Form, but Update on Field

case 4 - read only access to the entire member form, but can update the Bank tab

solution: group should be created with write access to form and then disable update for all the tabs but Bank.

3 Screens

3.1 Reports Menu

3.1.1 REP0020 Submit Report / Job

- Search block (top 3 fields) – used to find report or job
- Parameters block
 - Mandatory parameters are marked with *
 - LOV is enabled whenever possible
 - Partial input is supported for most large LOVs (e.g. member)
 - In most cases, parameters can be entered without going to the LOV (eg. member)
- Report format – normally set to PDF (must be set to “Character” for extracts)
- Scheduling – see examples on next page
 - Scheduled reports can be cancelled in the “Admin Report / Job Queue” form
- Submit and View Report – waits for report completion and displays output (user must wait)
- Submit Report – runs the report in the background and places it on the queue (user can continue to work)
- Queue Manager – opens “Report/Job Queue” form

Parameters	Value
Start Date	2002-dec-01
End Date	2003-nov-30
Local	0183
TOA	
Fund	
Sort by *	1:Local, Employer name

Job Scheduling

To schedule, set the day, time, and frequency a report should be run. The default is to run the report once, now. Time values are expressed according to a 24-hour day (i.e., one o'clock is expressed 13:00). To eliminate the need for quoting the scheduling command, use underscores (_) instead of spaces. Detailed syntax can be found in Oracle Reports Server manual

Examples:

Parameter Value	Result
14:45	One-time submission at 2:45 pm today Starts immediately if it is past 2:45pm already
23:00_Dec_28,_2004	Runs once on specified time and day
Daily_from_14:28_May_28,_2005	Runs daily starting from specified day and time
weekly_from_14:28_May_28,_2003	The same as above, only weekly
monthly_from_14:28_May_28,_2003	The same as above, only monthly
Last_weekday_before_31_from_15:53_Oct_23,_2009	Every last weekday of the month, starting from the date and time specified

Syntax:

[FREQ from] TIME [retry {n} + after LEN]

FREQ hourly | daily | weekly | monthly | {every LEN | DAYREPEAT} |
 {last {WEEKDAYS | weekday | weekend} before {n}+}
 LEN {n}+ {minute[s] | hour[s] | day[s] | week[s] | month[s]}
 DAYREPEAT {first | second | third | fourth | fifth} WEEKDAYS of month
 WEEKDAYS mon | tue | wed | thu | fri | sat | sun
 TIME now | CLOCK [DATE]
 CLOCK h:m | h:mm | hh:m | hh:mm
 DATE today | tomorrow | {MONTHS {d | dd} [,year]}
 MONTHS jan | feb | mar | apr | may | jun | jul | aug | sep | oct | nov | dec

3.1.2 REP0030 Report / Job Queue

- Review job execution status :
 - Current – currently running
 - Scheduled
 - Past – completed (successfully or with errors – check the status message)
- Re-query the screen as desired to see the latest statuses
- View Report – displays the output of completed report

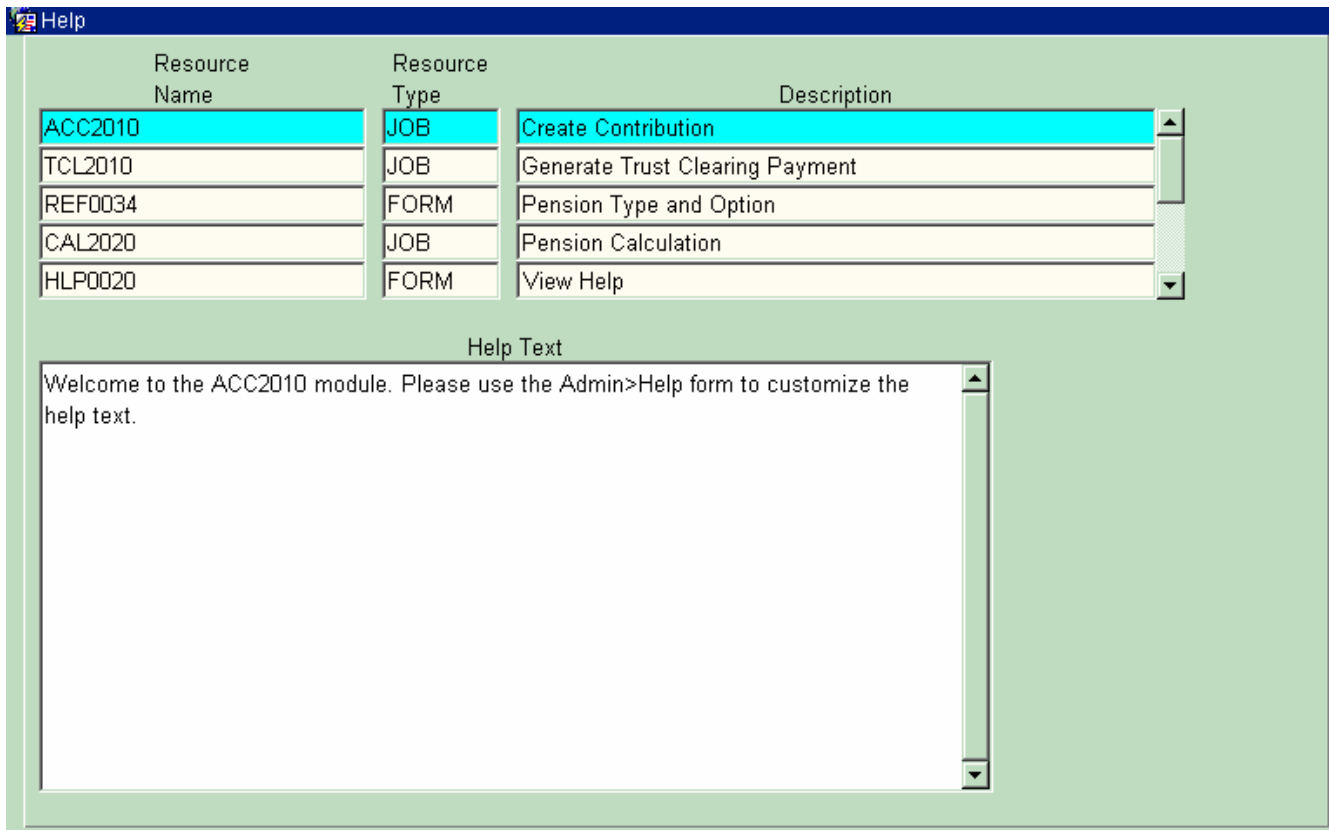
Submitted Time	Type	Name	Parameters	Status
2004-JAN-17 06:41:37	JOB	ACC2010	2004-JAN-01_00025,006	PAST
2004-JAN-17 06:26:52	JOB	ACC2010	2004-JAN-01_00030,006	PAST
2004-JAN-16 05:08:52	REPORT	ACC1010	p_month=2004-FEB p_employer_no=00030,003	PAST
2004-JAN-16 05:06:39	REPORT	ACC1010	p_month=2004-FEB p_employer_no=00030,003	PAST
2004-JAN-16 03:22:34	REPORT	PEN1010	P_MEMBER_SIN=461369480 P_FILE_NUMBER=P71802 p_interna	PAST
2004-JAN-16 01:59:56	JOB	ACC2100	0183,0,C,CD,G,,2001-JUN-18	PAST
2004-JAN-16 01:59:06	REPORT	PEN1010	P_FILE_NUMBER=P52278 p_internal_use_flag=Y	PAST
2004-JAN-15 10:13:22	REPORT	PEN1010	P_MEMBER_SIN=120001441 P_FILE_NUMBER=P52275 p_interna	PAST
2004-JAN-15 10:12:38	JOB	ACC2100	0183,0,C,AB,G,,2002-MAY-01	PAST
2004-JAN-15 10:05:47	JOB	ACC2100	0183,0,C,AB,G,,2002-MAY-01	PAST

Description	Create Contribution	Owner	ADMIN
Status Message	Finished successfully	Queue ID	1366
Format	PDF	Started	2004-JAN-17 06:41:38
		Last Run	2004-JAN-17 06:41:38
		Repeat Interval	0
Run Time	00:00	Finished	2004-JAN-17 06:41:38
		Next Run	2004-JAN-17 06:41:37
		Repeat Pattern	0
Command	REPORT=JOB1000 USERID=UAT@pc1 BATCH=YES DESTYPE=file DESNAME=D:\oracle\visuites\Apache\Ap		

3.2 Admin Menu

3.2.1 HLP0010 Help

- Used to define help text for each resource (Form, Report and Job)



The screenshot shows a software window titled "Help". It contains a table with three columns: "Resource Name", "Resource Type", and "Description". The first row is highlighted in cyan. Below the table is a text area labeled "Help Text" containing a welcome message.

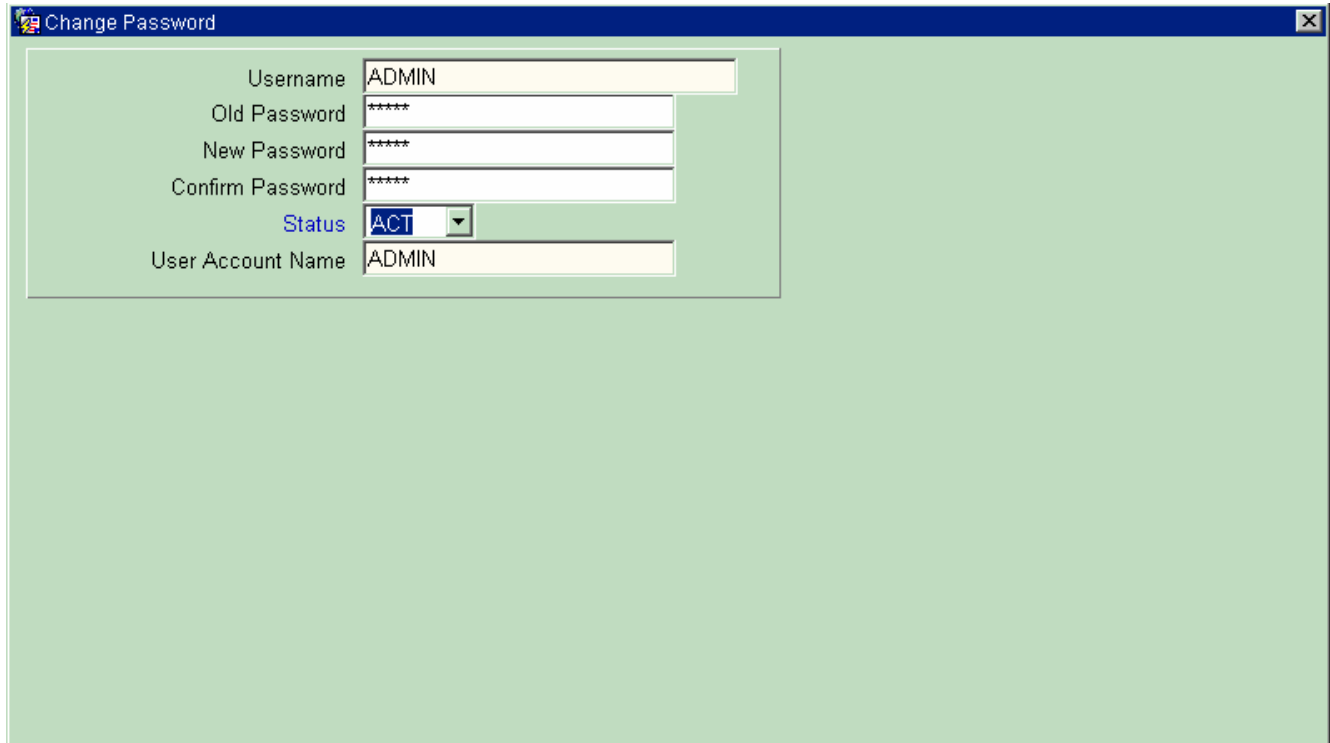
Resource Name	Resource Type	Description
ACC2010	JOB	Create Contribution
TCL2010	JOB	Generate Trust Clearing Payment
REF0034	FORM	Pension Type and Option
CAL2020	JOB	Pension Calculation
HLP0020	FORM	View Help

Help Text

Welcome to the ACC2010 module. Please use the Admin>Help form to customize the help text.

3.2.2 SEC0060 Change Password

- Used to change password

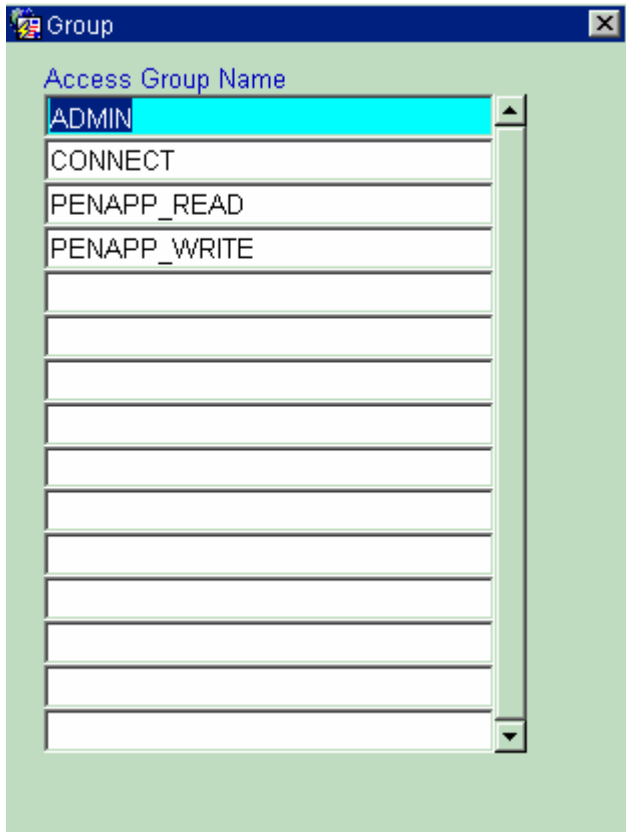


The screenshot shows a web browser window titled "Change Password". The form contains the following fields and controls:

Username	ADMIN
Old Password	*****
New Password	*****
Confirm Password	*****
Status	ACT
User Account Name	ADMIN

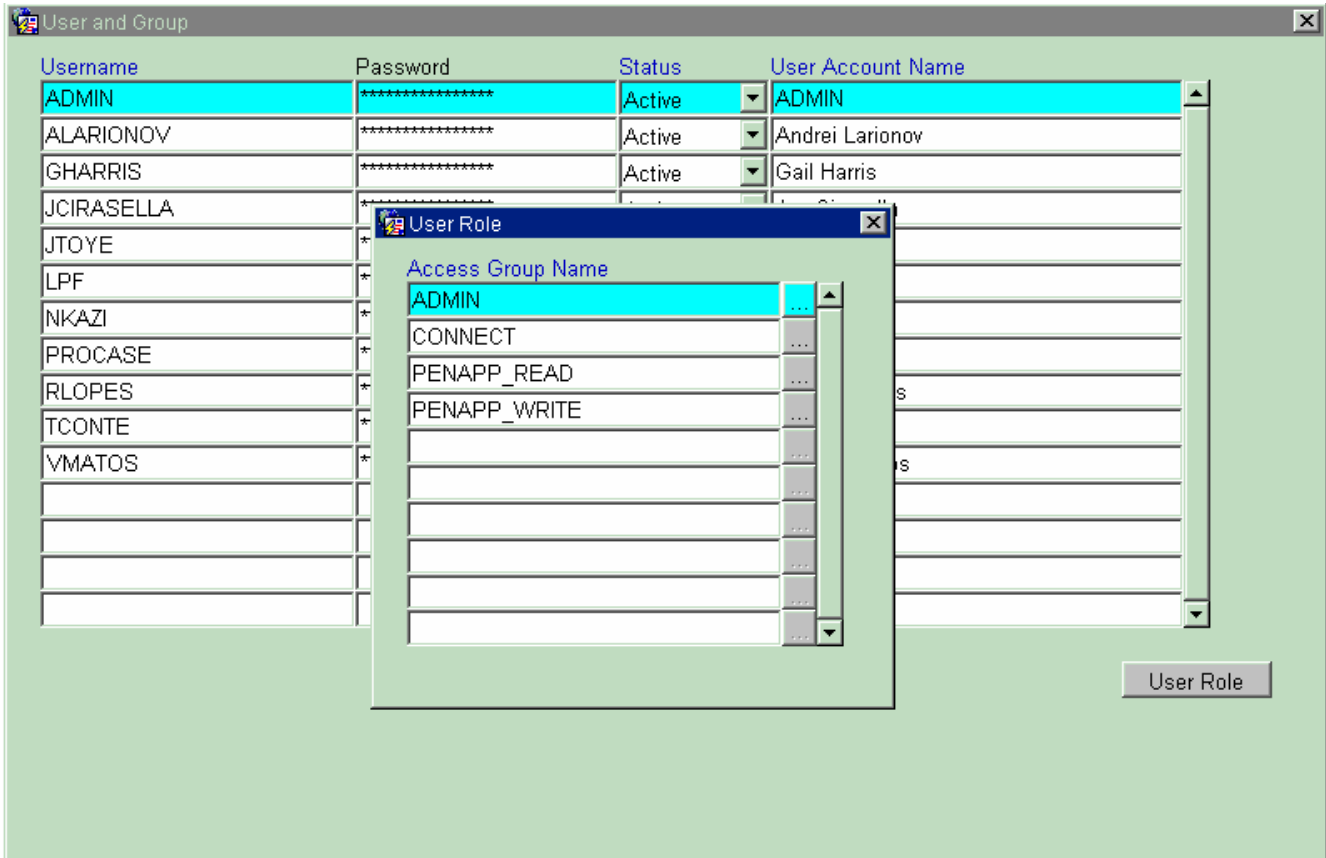
3.2.3 SEC0020 Group

- Used to define access groups for the application



3.2.4 SEC0010 User and Group

- Used to define users
 - User Role – Used to assign Access Groups to each user



3.2.5 SEC0030 Form and Component

- Used to define each Form and Access Groups that have privileges to it
 - Blocks and items are defined only if access needs to be restricted to this level
 - Use the Help menu in the Form to get block and item names

The screenshot shows the 'Form and Component' application window. It contains a table with the following data:

Form Name	Description	Access
ACC0020	Employer	Access
ACC0030	Cheque Batch	Access
ACC0050	Employer Contribution	Access
ADM0010	Custom Parameters	
ADM0020		

Below the table are sections for 'Block Name' and 'Item Name'. The 'Block Name' section contains 'AR_RECEIPT'. The 'Item Name' section contains 'RECEIPT_STATUS'.

A 'Resource Group' dialog box is open, showing the following details:

- Resource Name: ACC0030.AR_RECEIPT
- Description: Ar receipt

The dialog box also features a table for defining access groups:

Access Group Name	Query?	Insert?	Update?	Delete?	Execute?
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.2.6 REP0010 Report/Job and Parameter

- Used to define each Report / Job, its parameters, as well as default value and LOV for each parameter

Parameter Name	Prompt	Seq.	Optional?	Data Type	Format
id_month_start_date	Start Date of the Month	1	No	DATE	YYYY-MON-DD
iv_employer	Employer	2	Yes	CHARACTER	

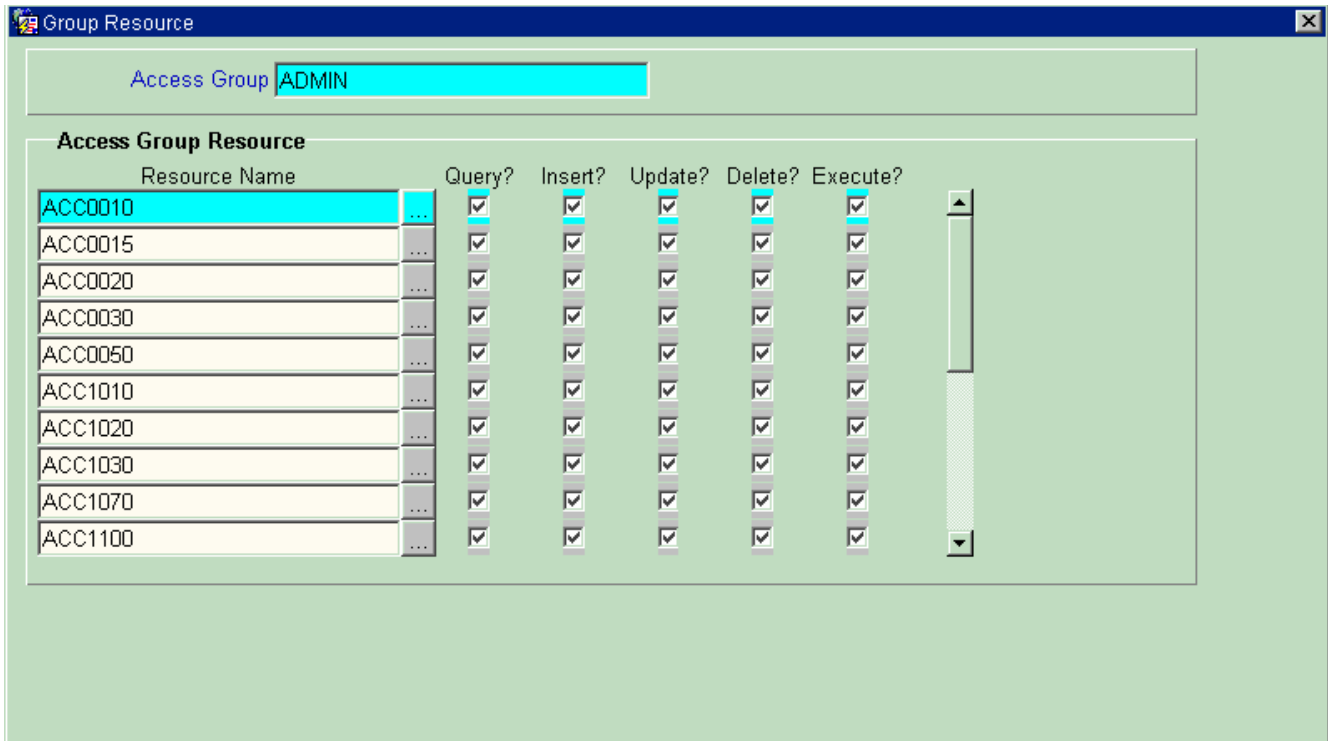
Description:

Default Value:

Lov Query:

3.2.7 SEC0050 Group Resource

- Used to define Resources with privileges for each Access Group



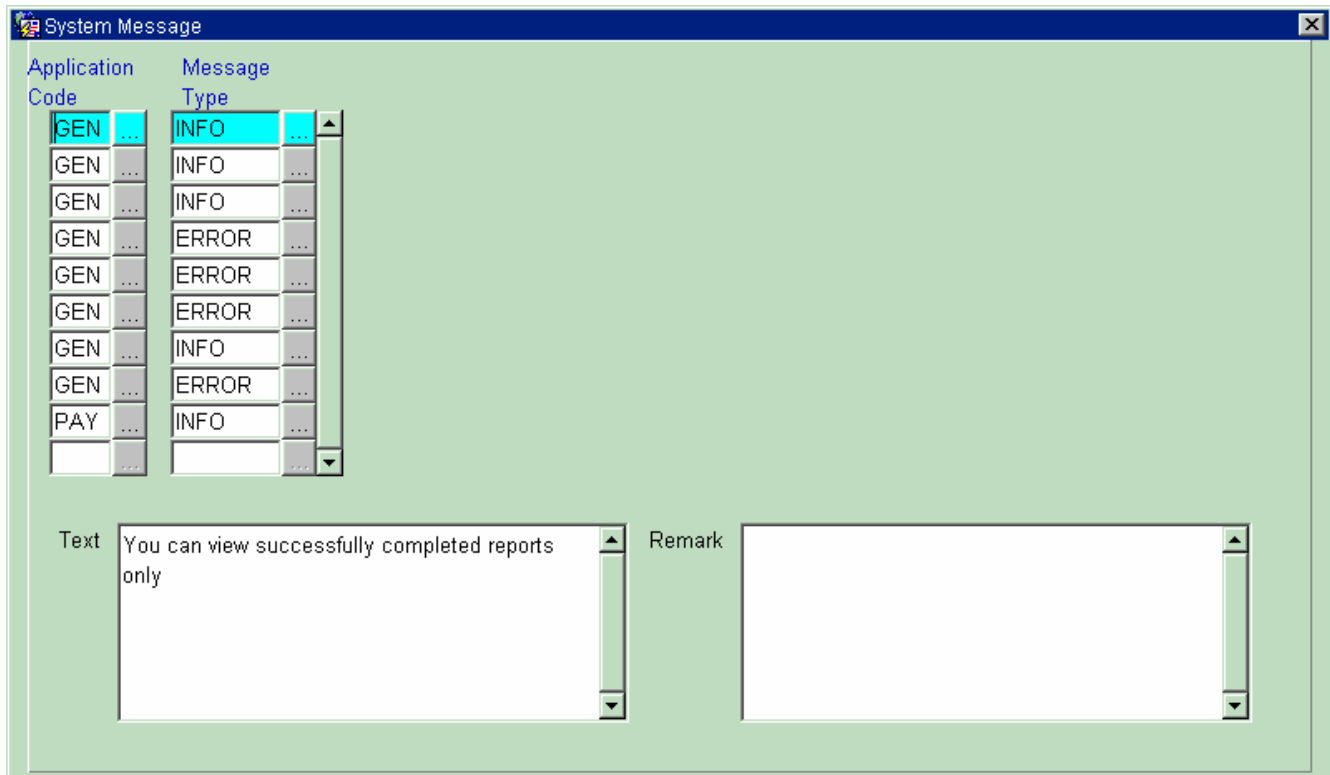
3.2.8 SEC0040 Resource Group

- Used to define Access Groups with privileges for each Resource
- For Jobs and Reports, assign execute privilege

Access Group Name	Query?	Insert?	Update?	Delete?	Execute?
ADMIN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.2.9 ADM0020 System Message

- Used to define system messages



Application Code	Message Type
GEN	INFO
GEN	INFO
GEN	INFO
GEN	ERROR
GEN	ERROR
GEN	ERROR
GEN	INFO
GEN	ERROR
PAY	INFO

Text: You can view successfully completed reports only

Remark:

3.2.11 ADM0030 Domain

- Used to define valid values for specific columns
 - Value and Meaning appear in LOVs and some reports
 - Users can change the Meaning, all other fields are read-only

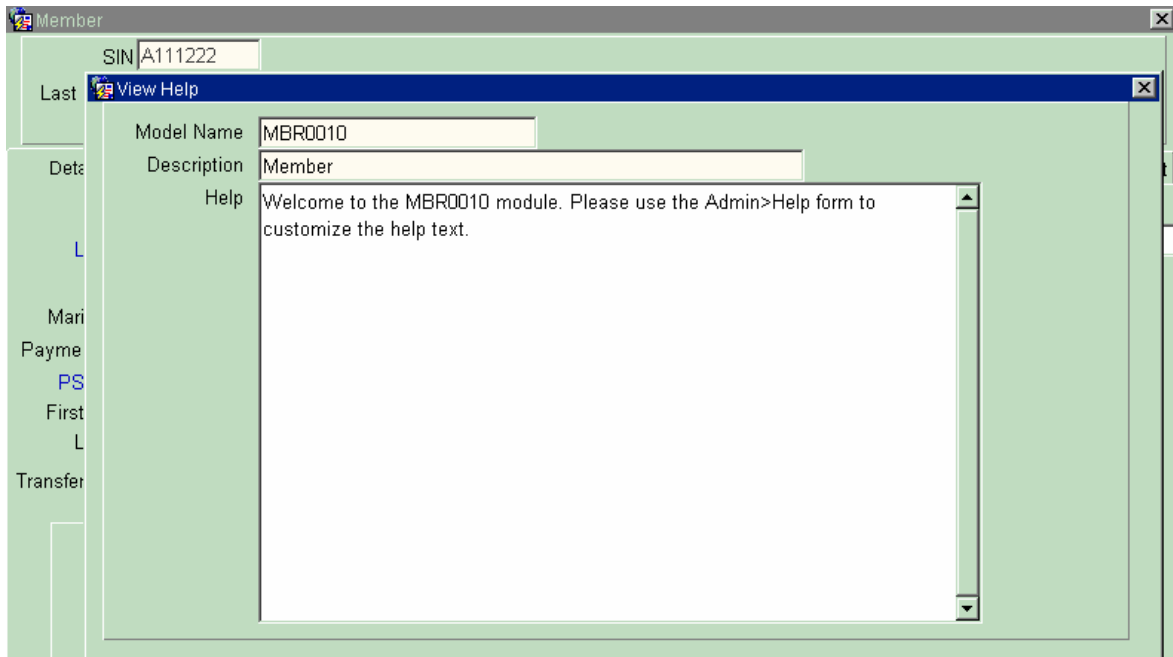
Domain	Value	High Value	Meaning	Abbreviation
CODE_AGREEMENT_STATUS	ACT		Active	
CODE_AGREEMENT_STATUS	BANK		Bankrupt	
CODE_AGREEMENT_STATUS	CLIE		Construction Lien	
CODE_AGREEMENT_STATUS	CLOSE		Closed	
CODE_AGREEMENT_STATUS	DDEL		Dormant Delinquent	
CODE_AGREEMENT_STATUS	HO		Head Office	
CODE_AGREEMENT_STATUS	INACT		Inactive	
CODE_AGREEMENT_STATUS	LBOA		Labour Board	
CODE_AGREEMENT_STATUS	OOBU		Out of Business	
CODE_APPLICATION	ACC		Accounting	
CODE_APPLICATION	ADM		Administration	
CODE_APPLICATION	GEN		General	
CODE_APPLICATION	JOB		Job Submission	
CODE_APPLICATION	MEM		Member	
CODE_APPLICATION	PAY		Payment	
CODE_APPLICATION	PEN		Pension Application	
CODE_APPLICATION	REF		Reference Table	
CODE_APPLICATION	REP		Report Submission	
CODE_APPLICATION	SEC		Security	
CODE_APPLICATION	SYS		System Module	

3.3 Viewing Help/Audit Info

3.3.1 Viewing Help Text

- Help is available for each screen and report

- Invoked using Help -> Form Help menu item



3.3.2 Viewing Audit Fields

- Following audit information is stored for every record in every table:
 - Date Created
 - Created by (system user id)
 - Date Modified
 - Modified by
- Displayed using Help -> Show Audit Info menu item

