

# AC 10.0 Business Role Management

Customer Solution Adoption  
July 2011



# Purpose of this document

This document allows implementation consultants and administrators to setup the required functionality for creating roles in AC after the post-installation has been finished. This guide provides various configuration steps for setting up Business Role Management.

# Disclaimer

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# Agenda

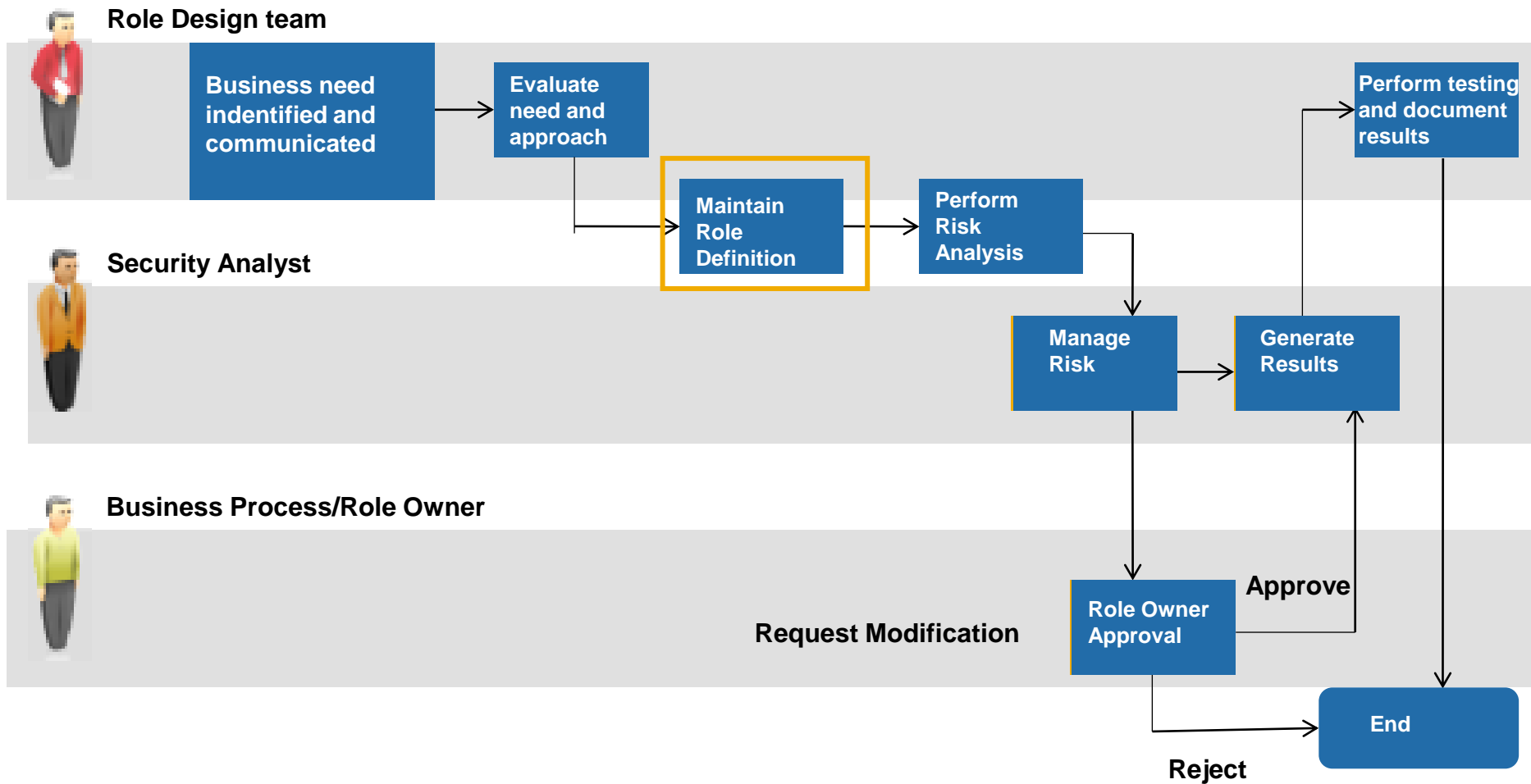
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- New features for Business Role Management (BRM)
- Post Installation steps for BRM
- Configuration steps for BRM
- Configure Role Methodology
- Define Business Role
- Define Technical Role
- Additional Features



# **New Features in Business Role Management**

# Role Management – New Features 1/4



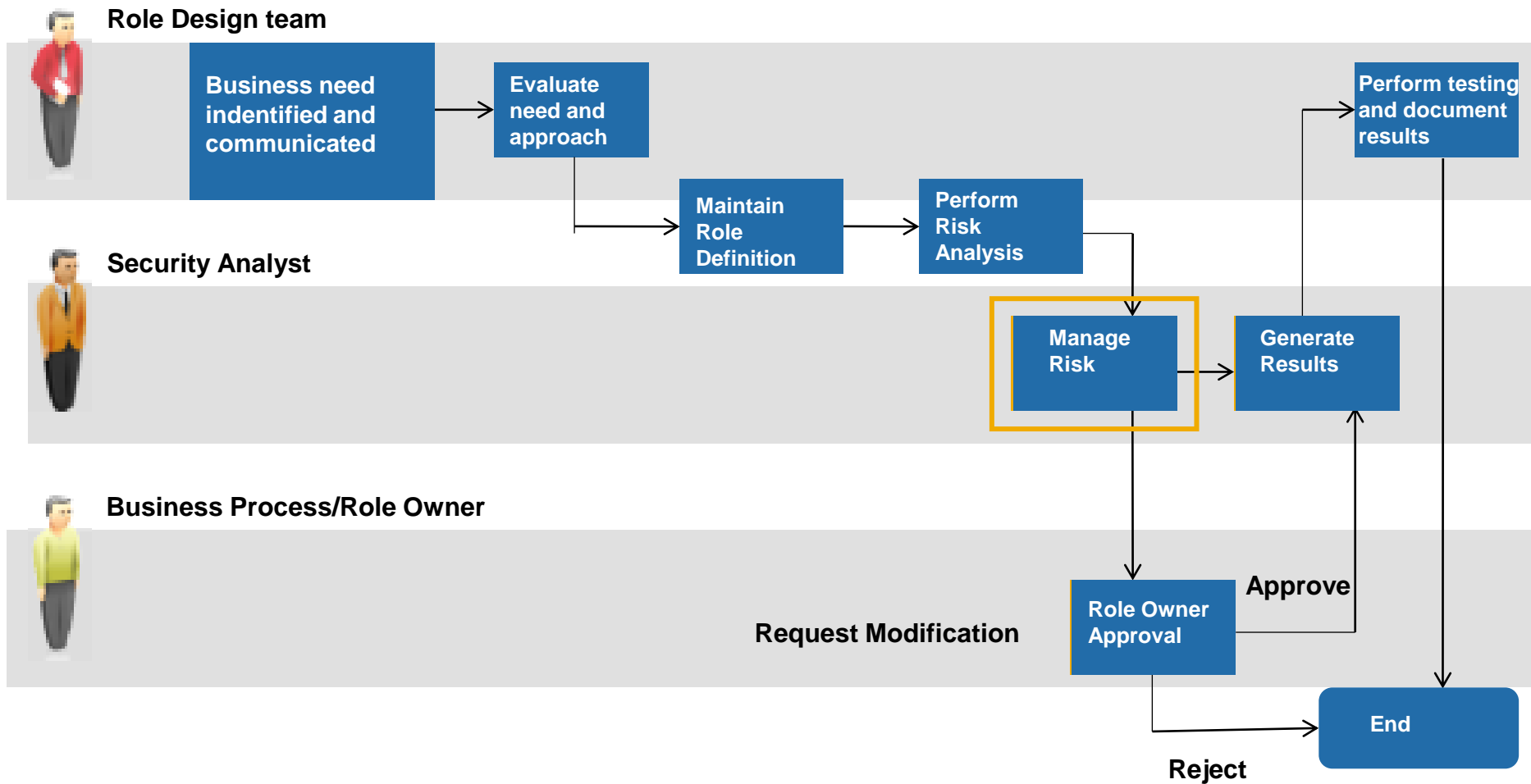
# Role Management – New Features 2/4

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New features in AC 10.0 that belong to the Maintain Role Definition phase are:

- Central Role Repository for AC
  - Optimizes role definition and reduces role redundancy
- Business Roles
  - Enhanced process for mapping technical access authorizations to business functions
- Enhanced Role Maintenance Methodology
  - Streamlined Role Definition and management
- Enhanced User Experience
- Improved Integration with PFCG
- New process for periodic Role Certification
- Enhanced Role Approval Workflow
- Improved Role Comparison to detect backend changes provides role consistency, synchronization, and compliance

# Role Management – New Features 3/4





# Role Management – New Features 4/4

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New features in AC 10.0 that belong to the Manage Risk phase are:

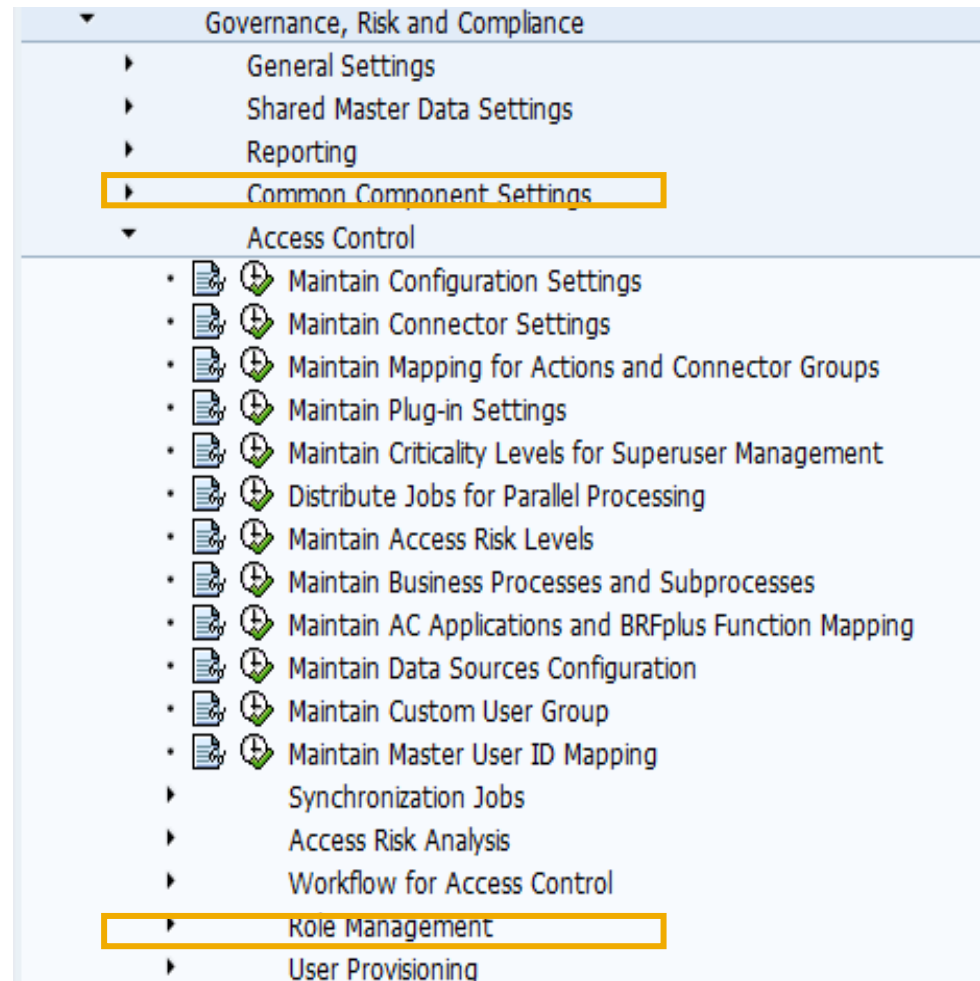
- New centralized business role management with embedded access Risk Analysis
  - Common Risk Analysis UI
  - Ability to support multiple rule sets
- Additional insight into business role access risks with information on inter-role and intra-role conflicts
- New role design and flexible role building workflows, including preventative simulations
- Object Level Security
  - Enforces Segregation of duties from the ground up by starting with clean role definitions



# **Post Installation Steps for Business Role Management (BRM)**


# Introduction

- To configure Role Management, navigate to IMG (SAP customizing Implementation Guide) by executing SPRO and click SAP reference IMG.
- To configure Business Role Management, you need to Define Connectors to the system where roles need to be created
- Navigate to Governance, Risk and Compliance for various configurations



# Create Connectors 1/3


- In AC 10.0, Connectors(systems) and connection types(system type such as Web service, SAP, File etc) are defined globally which can be used across different applications
- Connectors can be created in SAP GRC 10.0 by the following two options:
  - *Transaction SM 59 → Create*
  - *IMG → Governance Risk and Compliance → Common Component Settings → Integration Framework → Create Connectors*

<i>Configuration of RFC Connections</i>		
		
RFC Connections	Ty...	Comment
▶ <b>ABAP Connections</b>	3	
▶ HTTP Connections to External Server	G	
▶ HTTP Connections to ABAP System	H	
▶ Internal Connections	I	
▶ Logical Connections	L	
▶ SNA/CPI-C connections	S	
▶ TCP/IP connections	T	
▶ Connections via ABAP Driver	X	

# Create Connectors 2/3

- Define the required parameters:
  - Name of RFC Destination
  - Name of the partner system
  - Log on parameters
  - RFC destination name must be same as the logical system name

**RFC Destination GF2CLNT200**

Remote Logon Connection Test Unicode Test 

RFC Destination

Connection Type  ABAP Connection Description

Description

Description 1

Description 2

Description 3

Administration Technical Settings Logon & Security Unicode Special Options

Target System Settings

Load Balancing Status

Load Balancing ☐ Yes ☒ No

Target Host  System Number

Save to Database as

Save as ☐ Hostname ☒ IP Address

Gateway Options


Gateway Host


Gateway service

# Create Connectors 3/3

- RFC destinations are created as connectors for communication between SAP GRC interface and backend systems.
- Test connection for the RFC destination that has been created and make sure it is successful
- Navigate back to the IMG configuration screen after the RFC Destination has been created

**RFC Destination GF2CLNT200**

Remote Logon   Connection Test   Unicode Test   

RFC Destination  

Connection Type  ABAP Connection   Description

Description

Description 1

Description 2

Description 3

Administration   Technical Settings   Logon & Security   Unicode   Special Options

Logon Procedure

Language


Client

User  ☐ Current User

PW Status

Trust Relationship ☒ No   ☐ Yes   ☐ Logon Screen

Status of Secure Protocol

 ☒ Inactive   ☐ Active

Authorization for Destination

# Maintain Connectors and Connection types

- Connection type describes the type of system the connector is connected to.
- To maintain the connection type definition, go to
  - IMG → Governance, Risk and Compliance → Common Component Settings → Integration framework → Maintain Connectors and Connection Types
    - Connection Type Definition
- Select the New Entries option and enter values for *Connection Type ID* and *Connection type text*

**Change View "Connection type definition": Overview**

New Entries

Dialog Structure

- Connection type definit
- ▼ Define Connectors
  - Define Subsequent
  - ▼ Define Connector Grou
    - Assign Connector G
    - Assign Connectors t

Connection type definition	
Connection Type	Connection Type Text
BUSINESS	Business Role Type
EP	Enterprise Portal
FILE	File sysytem for legacy extraction
LDAP	Ldap Connectors
LDAP12	LDAP12
LDAP_VIK	LDAP_VIK Microsoft Active Directory
LOCAL	Local Data Source
SAP	SAP System
SPML1	SPML1
SPML2	SPML2
SUN_LDAP	SUN_LDAP_VIK ldap
TEST	test
TEST_12	test_12
VIKCONTY	VIKCONTY
WS	Webservice

# Maintain Connectors and Connection types

- To define a connector go to the Define Connector link and enter the connector details like:
  - Target Connector that is to be defined
  - Connector Type
  - Source Connector
  - Logical Port
  - Enter the Max number of background Work Packages (optional)

Change View "Define Connectors": Overview

New Entries

Dialog Structure

- Connection type definit
- Define Connectors
- Define Subsequent
- Define Connector Grou
- Assign Connector G
- Assign Connectors 1

Target Connector	Connection Type	Source Connector	Logical Port	Max No. of BG WP
ERM_OR_1	WS	ERM_OR_1	ERM_OR_1	
ERM_OR_2	FILE	ERM_OR_2	ERM_OR_2	
ERM_OR_3	WS	ERM_OR_3	ERM_OR_3	
FD60G16CLNT600	SAP	FD60G16CLNT600	FD60G16CLNT600	
FD60G17CLNT600	SAP	FD60G17CLNT600	FD60G17CLNT600	
GB8CLNT400	SAP		GB8CLNT400	
GE5_100	SAP	GE5_100	GE5_100	
GE6_600	SAP	GE6_600		
GF2CLNT000	SAP	MS_SRC_CONN		
GF2CLNT200	SAP	GF2CLNT200	GF2CLNT200	
GF6_500	SAP	GF6_500	GF6_500	
GF7600	SAP	GF7600	GF7600	
GF7CLNT520	SAP	GF2CLNT200	GF7CLNT520	
GF7_ERM	SAP	GF7_ERM	GF7_ERM	
GF7_S00	SAP	GF7_S00	GF7_S00	
GH600_SYNC	SAP	GH600_SYNC	GH600_SYNC	
GHCLNT600	SAP	GF2CLNT200	GHCLNT600	
GH_0411	SAP	GH_0411	GH_0411	



# Adding connector to required scenario

For Role Management it is required to have the ROLMG, AUTH and PROV scenarios linked to the connector, this is done via IMG:

The screenshot displays the SAP IMG navigation tree on the left, the 'Determine Work Area: Entry' dialog box in the center, and the 'Scenario-Connector Link' table at the bottom.

**Navigation Tree:**

- Governance, Risk and Compliance
  - General Settings
  - Shared Master Data Settings
  - Reporting
  - Common Component Settings
- Integration Framework
  - Create Connectors
  - Maintain Connectors and Connection Types
  - Maintain Connection Settings**

**Determine Work Area: Entry Dialog:**

Field Name	Work Area
Integration Scenario	ROLMG

Buttons: Further select cond., Append, [Save], [Cancel]

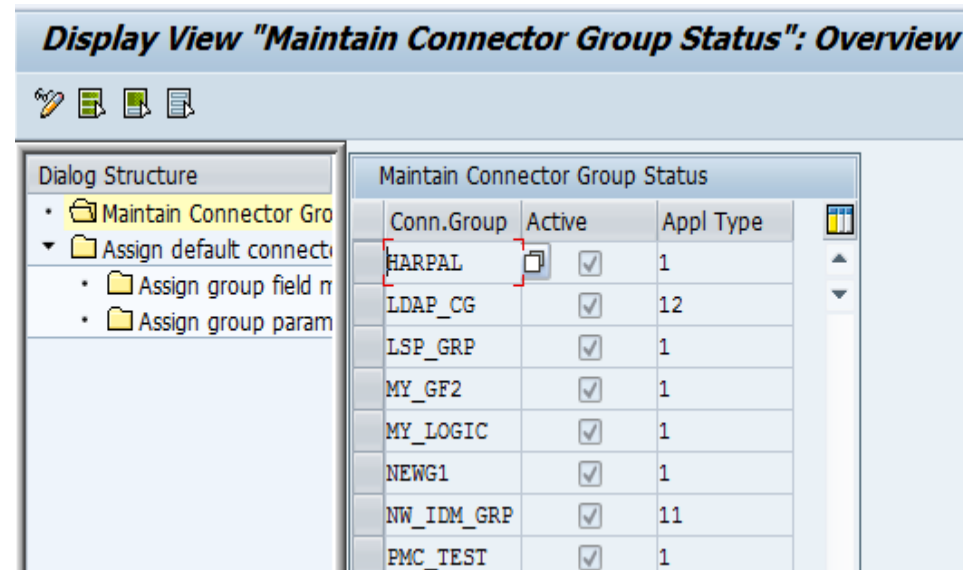
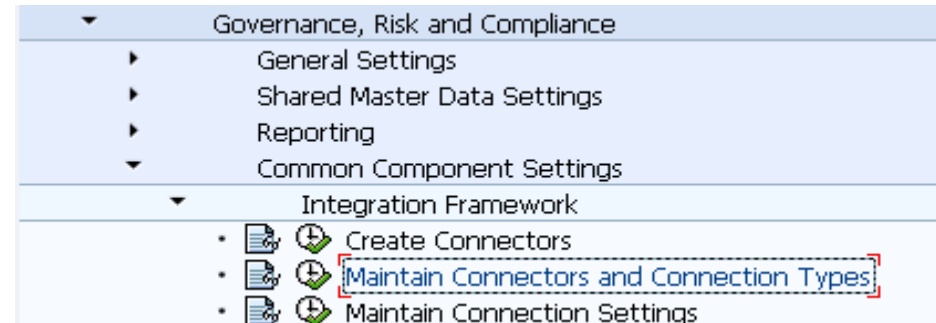
**Scenario-Connector Link Table:**

Target Connector	Con.Type	Connection Type Text
ACGTSCONN	SAP	SAP System
CHEEPRAR	WS	Webservice
CONN_TUEV	SAP	SAP System
DEMO_KP	SAP	SAP System
ERM_ORA_1	WS	Webservice
ERM_ORA_2	FILE	File sysytem for legacy extraction
ERM_ORA_3	WS	Webservice
<b>GF2CLNT200</b>	<b>SAP</b>	<b>SAP System</b>
GI4CLNT600	SAP	SAP System
GI5CLNT600	SAP	SAP System
GI6CLNT600	SAP	SAP System

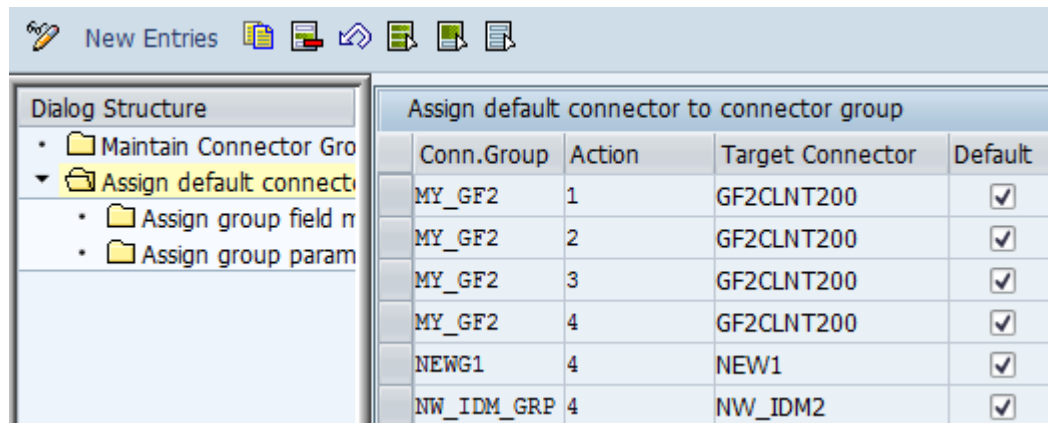
# Assigning Connectors to the Connector Groups

To assign Connectors to the Connector Groups, perform the following steps:

- Select the **Maintain Connectors and Connection Types** option from the **Integration Framework** under the **Governance, Risk and Compliance** section in **IMG**
- Define connector groups
- Assign connector groups to group types
- Select the logical group
- Select the Connector Group and assign the Target Connector to it.
- If there are custom fields on the Role maintenance Screen then maintain the Field mappings in the Assign group Field Mapping option



# Assigning Connectors to the Connector Groups



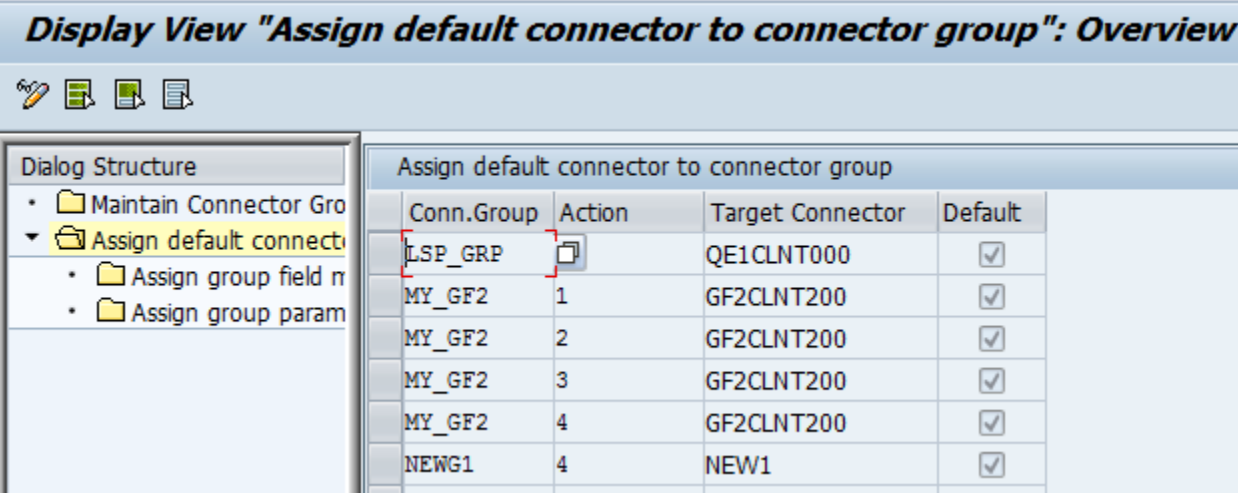
The screenshot shows a SAP dialog box titled "Assign default connector to connector group". The left pane, labeled "Dialog Structure", shows a tree view with the following nodes: "Maintain Connector Gro", "Assign default connect", "Assign group field n", and "Assign group param". The right pane contains a table with the following data:

Conn.Group	Action	Target Connector	Default
MY_GF2	1	GF2CLNT200	<input checked="" type="checkbox"/>
MY_GF2	2	GF2CLNT200	<input checked="" type="checkbox"/>
MY_GF2	3	GF2CLNT200	<input checked="" type="checkbox"/>
MY_GF2	4	GF2CLNT200	<input checked="" type="checkbox"/>
NEWG1	4	NEW1	<input checked="" type="checkbox"/>
NW_IDM_GRP	4	NW_IDM2	<input checked="" type="checkbox"/>

# Associate actions and assign default connectors

- Go to Access Control → Maintain Mapping for Actions and Connector Groups
- Select the connector and assign the default connectors for action 1 to 4, make sure there is at least one default per action
  - 001 Role Generation
  - 002 Role Risk Analysis
  - 003 Authorization Maintenance
  - 004 Provisioning

**Display View "Assign default connector to connector group": Overview**



Conn.Group	Action	Target Connector	Default
LSP_GRP		QE1CLNT000	<input checked="" type="checkbox"/>
MY_GF2	1	GF2CLNT200	<input checked="" type="checkbox"/>
MY_GF2	2	GF2CLNT200	<input checked="" type="checkbox"/>
MY_GF2	3	GF2CLNT200	<input checked="" type="checkbox"/>
MY_GF2	4	GF2CLNT200	<input checked="" type="checkbox"/>
NEWG1	4	NEW1	<input checked="" type="checkbox"/>






# Activating the BC Sets

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- Rule sets are enabling using BC sets via transaction code **SCPR20**
- Make sure the respective BC Sets were enabled as described in the post-installation slides:
  - GRAC\_ROLE\_MGMT\_LANDSCAPE
  - GRAC\_ROLE\_MGMT\_METHODODOLOGY
  - GRAC\_ROLE\_MGMT\_PRE\_REQ\_TYPE
  - GRAC\_ROLE\_MGMT\_ROLE\_STATUS
  - GRAC\_ROLE\_MGMT\_SENTIVITY





# Verifying default configuration parameters

- Check the configuration parameters related to role management are properly set according to your needs

<b>New Entries: Overview of Added Entries</b>					
    					
AC Configuration settings					
Parm Group	Param ID	Parameter Value	Priority	Description	
Role Management	3000			Default Business Process	
Role Management	3001			Default Subprocess	
Role Management	3002			Default Critical Level	
Role Management	3003	PROD		Default Project Release	
Role Management	3004	DEV		Default Role Status	
Role Management	3005	NO		Reset Role Methodology when Changing Role Attributes	
Role Management	3006	YES		Allow add functions to an authorization	
Role Management	3007	YES		Allow editing organizational level values for derived roles	
Role Management	3008	YES		A ticket number is required after authorization data changes	
Role Management	3009	YES		Allow Role Deletion from Back-End	
Role Management	3010	YES		Allow attaching files to the role definition	
Role Management	3011	NO		Conduct Risk Analysis before Role Generation	
Role Management	3012	YES		Allow Role Generation on Multiple Systems	
Role Management	3013	YES		Use logged-on user credentials for role generation	
Role Management	3014	YES		Allow role generation with Permission Level violations	
Role Management	3015	YES		Allow role generation with Critical Permission violations	
Role Management	3016	YES		Allow role generation with Action Level violations	
Role Management	3017	YES		Allow role generation with Critical Action violations	
Role Management	3018	YES		Allow role generation with Critical Role/Profile violations	
Role Management	3019	YES		Overwrite individual role's Risk Analysis result during Mass Risk Analysis run	
Role Management	3020	1		Role certification reminder notification	
Role Management	3021	/sap-grc/Import		Directory for mass role import server files	

# Maintain AC owners

Go to NWBC → Access Management → Access Control Owners and maintain the owners as shown below:

Active Queries				
Cental Owner All (15)				
Cental Owner - All				
Show Quick Criteria Maintenance				
View: * [Standard View]   Open   Create   Copy   Delete   Print Version   Export				
	Owner	Owner Type	Comments	Updated On
		ROLE OWNER		
	Brian LAW	Role Owner		09.12.2010 20:28:58
	Calvin KLEIN	Role Owner		09.12.2010 20:28:04

After this is done it is possible to configure these users as role owners



# Configuration steps for BRM



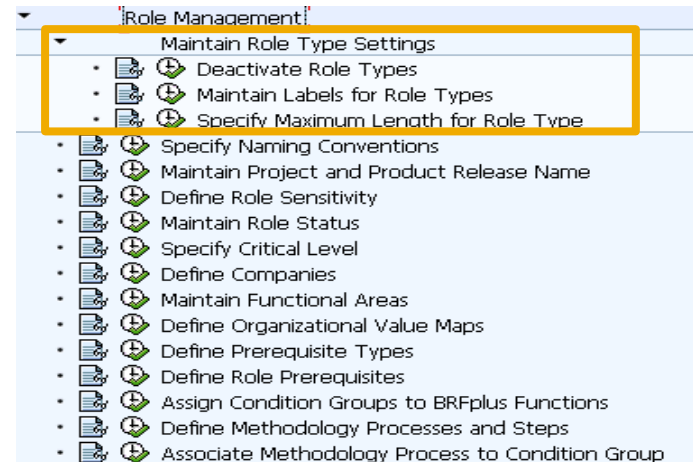
# Maintain Role Type Settings

In this customizing activity, you can activate or deactivate role types.

All role types are set as active by default

The following role types are pre delivered:

- BUS - Business Role
- COM - Composite Role
- CUA - CUA Composite Role
- DRD – Derived Role
- GRP – Group
- PRF – Profile
- SIN – Single Role
- TPL - Template



## Deactivate Role Types

In the deactivate role type, check the inactive checkbox for the role types that you do not want to include in the role types definition

[illegible]

# Maintain Labels for Role Types

In this customizing activity, you can maintain the description and language for the role types and is displayed on the role maintenance screen

**Change View "Maintain the role type": Overview**

New Entries

Maintain the role type

Language	Role Type	Description
DE	SIN	Single role in German
EN	BUS	Business Role
EN	COM	Composite Role
EN	CUA	CUA Composite
EN	DRD	Derived
EN	GRP	Group
EN	PDP	PD profile
EN	PRF	Profile
EN	SIN	Single Role
EN	TPL	Template custom

# Specify Maximum Length for Role Type

Here you can specify the maximum length for the name of a role based on the role type. For example, you can specify that for Business Role type, the role can have maximum length of 70 characters.

**Change View "Maintain the role name": Overview**

New Entries

Role Type	Appl Type	Max Len
BUS	7	70
COM	1	32
CUA	1	32
DRD	1	32
GRP	12	70
PDP	1	50
PRF	1	50
SIN	1	32
TPL	1	50

# Role Naming Convention

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Naming Convention for naming roles can be maintained here:

- You can maintain a different naming convention for each role type
- The following Role Attributes are available for configuring the role naming convention:
  - BPROC : Get information from Business Process attribute
  - BSUBPROC : Get information from Business Sub-process attribute
  - CONNECTOR\_GRP : Get information from Connector Group Attribute
  - FREE\_TEXT : Free text entry. No Restrictions
  - PRJREL : Get information from Project and Product Release attribute
  - ROLE\_TYPE : Get information Role Type attribute
  - STATIC\_TEXT : Use the text as provided by you.

# Role Naming Convention

- ▶ Access Risk Analysis
- ▶ Workflow for Access Control
- ▼ Role Management
  - ▶ Maintain Role Type Settings
  - Specify Naming Conventions
  - Maintain Project and Product Release Name
  - Define Role Sensitivity

**Change View "Naming Convention": Overview**

New Entries

**Dialog Structure**

- ▼ Naming Convention
  - Naming Convention

**Naming Convention**

	Naming Co...	Description
	0	SINJ
	1	Naming convention for Single roles in NHR systems
	2	HR LS SIN Name Conv
	3	Characters
	4	TestName
	5	Kapil's Naming Convention
	6	GP3_LS_SIN_NC
	7	DEmo_name
	8	710 NW LS SIN Naming convention

# Role Naming Convention

- The attributes that can be maintained for a naming convention are position, description, role type and connector group.
- Position of naming convention is the sequence for the naming convention
- For example, the naming convention shown here is the Role naming Convention for Single Roles in Non HR systems.

The screenshot shows the 'New Entries: Details of Added Entries' dialog box in SAP. On the left, the 'Dialog Structure' pane shows a tree with 'Naming Convention' expanded. The main area contains the following fields:

- Naming Conv**: A text box containing the value '1'.
- Naming Convention**: A section header for the details.
- Description**: A text box containing 'Naming Convention for Single Roles'.
- Role Type**: A text box containing 'SIN'.
- Connector Group**: A text box containing 'MY\_GF2', which is highlighted with a red rectangle. To its right is a small icon of a document with a plus sign.
- Enforced**: A checkbox that is currently unchecked.

## Role Naming Convention

The role name will be displayed as: Z\_\$\$\_PJREL\_M\_\$\$\$\$ on the role maintenance screen if the role type is Single Role and the Group is My\_GF2








[illegible]



# Role Attributes

## Maintain Project and Product Release Name








- Project and Product release name are attributes that you can assign to roles.
- You can create and edit the list of available projects and product releases with this customizing option

<i><b>Change View "Maintain the project release": Overview</b></i>		
 New Entries      		
Maintain the project release		
	Project Re...	Description
	AC10	Role Management Project

# Role Attributes

## Define Role Sensitivity








- Role sensitivity is an attribute that you assign to roles.
- This provides the ability to organize the authorization structure in the company with transaction PFCG

<i>Change View "Role sensitivity": Overview</i>	
 New Entries       BC Set: Change Field Values	
Role sensitivity	
Role Sens.	Description
1	Normal
2	Confidential
3	Restricted
4	Classified

# Maintain Role Status

- Role status can be maintained and used as role attributes
- Only roles with status *Production* are available for user role requests

**Change View "Maintain the role status": Overview**

 New Entries       BC Set: Change Field Values

Maintain the role status

Role Status	Productio...	Role Status
DEV	<input type="checkbox"/>	Development
PRD	<input checked="" type="checkbox"/>	Production
TST	<input type="checkbox"/>	Testing

# Specify Critical Level

- Critical levels can be maintained for roles.
- It represents how essential a role is for the company

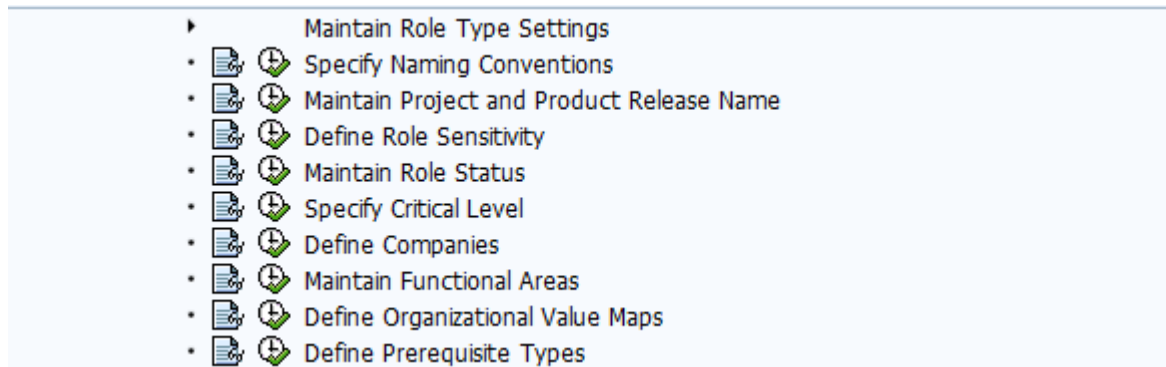
**Change View "Maintenance view for critical level": Overview**

New Entries

Maintenance view for critical level	
Critical Level	Critical Level
HIG	High
LOW	Low
MED	Medium

# Define Companies

- Companies can be maintained and used as a role attribute
- Organization groups or divisions can be divided by companies










A screenshot of the 'New Entries: Overview of Added Entries' dialog box. The dialog has a title bar and a toolbar with icons for edit, delete, insert, and print. Below the toolbar is a table with two columns: 'Company' and 'Description'. The first row is highlighted in yellow and contains the values 'US01' and 'US Palo Alto'. The table has several empty rows below it.

Company	
Company	Description
US01	US Palo Alto

# Maintain Functional Areas

- Functional Area is a group or department in a company that performs a specific task or function such as engineering.
- In Role management, it is an attribute that you can assign to roles

<i>Change View "Maintain functional areas": Overview</i>				
 New Entries      				
Maintain functional areas				
Funct Area	Description	Abbr	Company	
BASIS	Basis	BA	DE01	
BASIS02	BASIS	BS	IN02	
FINANCE	Finance	FI	US01	
HR	Human Resources	HR	IN01	
JF1	jf1			
JFA	j func area			
NEWFA	NEWF AREA			
PAYROLL	Payroll	PR	IN01	
PURCHASE	Purchase	PU	EU01	
QUALITY	Quality	QM		
RTEST_FI	RTEST_FI Functional Area Finance	FI	RTEST_CO	
SALES	Sales	SL	EU02	
SUPPORT	Support	SP	EU03	

# Define Organizational Level Mapping 1/2

- Role Management application uses organizational level maps during role derivation
- In this customizing activity, you can maintain the parent and child organizational maps to document your organizational hierarchy and structure
- You assign the maps to the roles, and thus you do not need to create separate maps for each role

**New Entries: Details of Added Entries**

Org Val Mapping: BUKRS\_2000







Org level Mapping

Org. Level	BKKRS
From	2000
To	
Description	BUKRS_2000

# Define Organizational Level Mapping 2/2

Maintain child organization level maps

**Change View "Org level Mapping Details": Details**

 New Entries     

Dialog Structure


- Org level Mapping
  - Org level Mapping D

Org Val Mapping

Cld. Org. Level

Sequence

Org level Mapping Details








From  

To














# Define Prerequisite type

In this Customizing activity, you can Define Role Prerequisites that are required to be validated before granting access to a user

<b><i>Change View "Prerequisite type": Overview</i></b>	
 New Entries       BC Set: Change Field Values	
Prerequisite type	
Prereq Typ	Prerequisite Type
CERTIF	Certification
COURSE	Course Taken
HRS	Hours Worked
NDA	Non-disclosure Agreement
POINTS	Points Accumulated
TRAINING	Training

# Define Role Prerequisites

## Role Prerequisite Definition

<b><i>Change View "Prerequisites": Overview</i></b>				
  New Entries      				
Prerequisites				
	Role Prerequisite Name	Prereq Typ	Course ID	Prerequisite 
	CORPORATE_CERTIFICATE	CERTIF	RP_SEC_CERT1	ERM_ORA_ 
	CORPORATE_SECURITY	TRAINING	CORP_SEC001	GI6CLNT60 
	HOURS_WORK	HRS		GF2CLNT20
	SAP-MM Training	TRAINING	COURSE VERSION: 044	GI7CLNT60
	SECURITY	TRAINING	SEC719_001	GI7CLNT60

# Maintain Business Processes and Sub Processes

- While defining a role, it is required to assign Business Process and Sub Process.
- They can be defined under the Access Control Configuration option in IMG

The screenshot displays the SAP IMG (Implementation Guide) interface. On the left, the 'Access Control' menu is expanded, and 'Maintain Business Processes and Subprocesses' is highlighted with a red box. Below this, the 'Business Process' folder is expanded, showing 'Business Subprocess' and 'Assign Application A'. On the right, a table lists various business processes and their descriptions. The table has two columns: 'Business Process' and 'Business Process Description'. The first row, '#ZA-MINING', is highlighted with a yellow background, and its description, '#ZA Description', is also highlighted with a red box.

Business Process	Business Process Description
#ZA-MINING	#ZA Description
AP00	APO
BP001	Human Resource
BS00	Basis
CA00	Cross Application
CR00	CRM
CRG-US-PRO	
EC00	Consolidation
FI00	Finance
HR00	HR and Payroll
MM00	Materials Management
NEWBPM	NEWBPROCESS
PM00	Plant Maintenance
PR00	Procure to Pay



# **Configure Role Methodology**

# Role Methodology Configuration

## Introduction

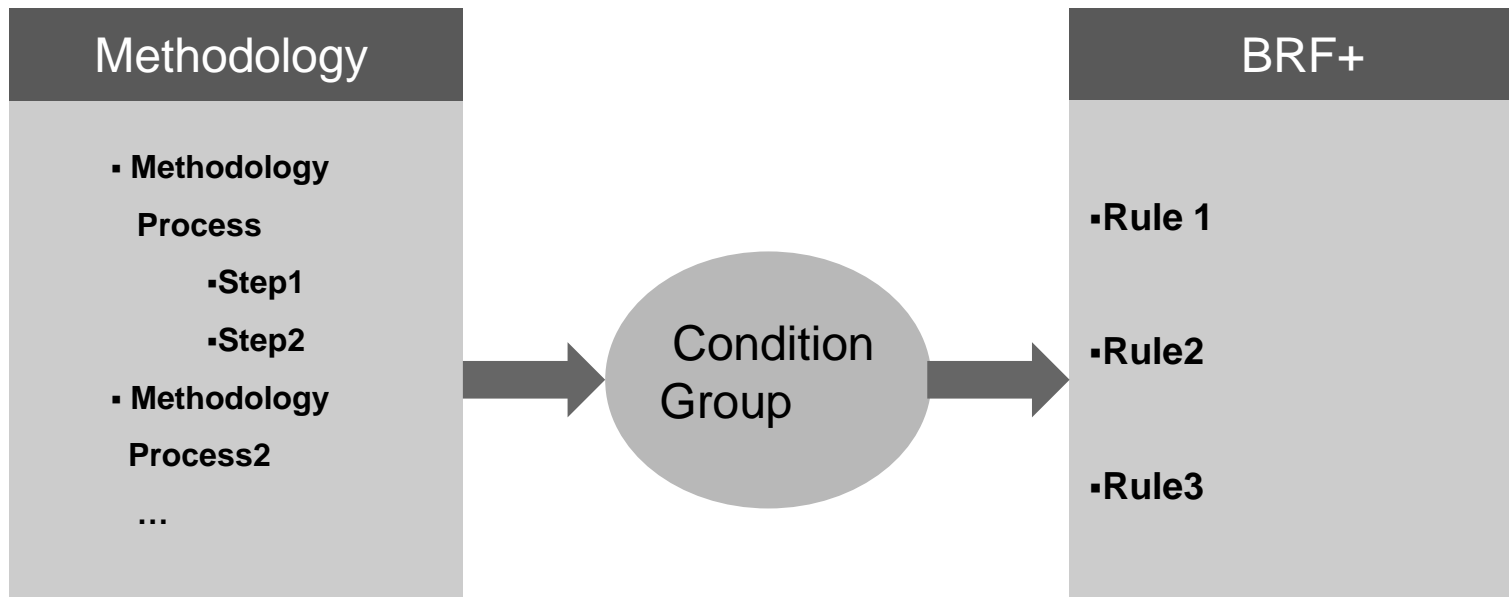
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- Role Methodology is the process followed for role creation and maintenance operation
- It is an existing feature in Access Control
- The well defined role management process that aligns with the Organization policies of an Organization can be configured in the Role Methodology
- The Methodology customizing steps like “BRF+ Rule Creation” and “Methodology Process Definition” are **not** necessary when the default methodology process is used for role creation
- These steps are required while creating customized methodology process
- BRF+ Rule Creation:
  - Business Rules Framework plus (BRF plus) provides a comprehensive application programming interface (API) and user interface (UI) for defining and processing business rules
- BRF+ is the rule engine that evaluated the various attributes of the role
- Condition Groups link the BRF+ rules and the Role Methodology

# Role Methodology Configuration Steps

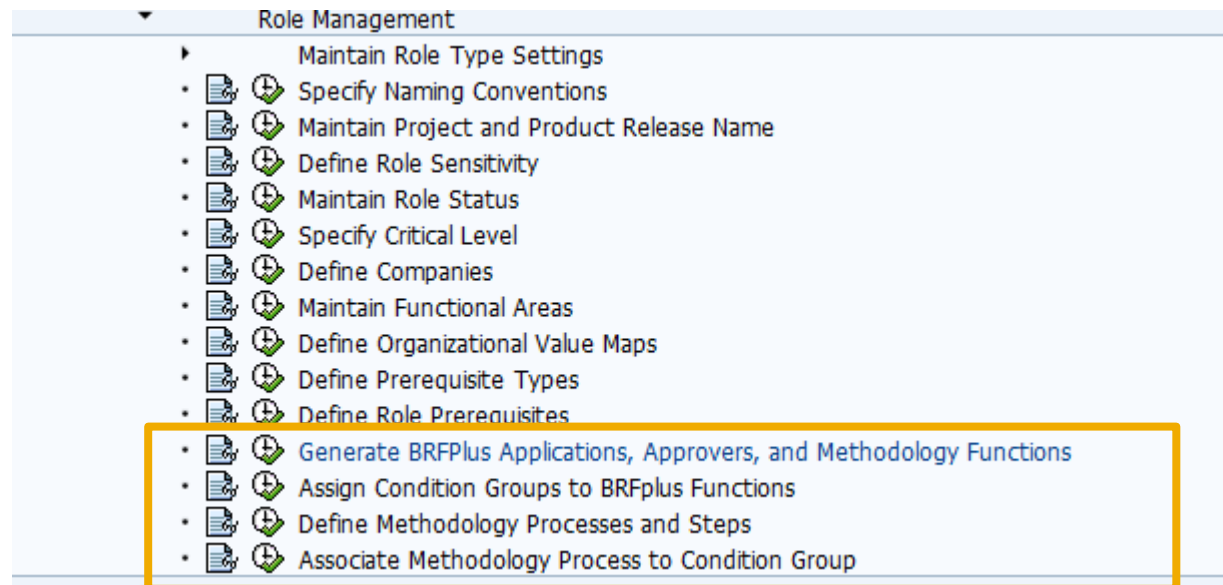
## Setting up Role Methodology

- Create BRF+ Rule
- Assign Condition Group Type to BRF+ Application and Function
- Define Role Methodology Process and Steps
- Associate Role Methodology Process to Condition Group



# Create BRF+ Rule


- Create BRF+ Application and function for the Application
- Execute transaction SA38 and run the program GRAC\_GENERATE\_ERM\_BRFRULE or select the option Generate BRF Plus Applications, Approvers and Methodology Functions



# Create BRF+ Rule

Define the BRF+ Application by giving Application name, Methodology Rule ID and Approvers Rule ID.

**Generate ERM rule**



**Rule Info**

BRF+ Application

Application Name	ZERM_ROLE_BRF_APP1
Application Text	Role Methodology BRF Rule application1

BRF+ Methodology Rule

Methodology Rule ID	ZERM_ROLE_METHODODOLOGY_RULE1
Methodology Rule Text	Role Methodology rule1

BRF+ Approvers Rule

Approvers Rule ID	ZERM_ROLE_APPROVAL_RULE1
Approvers Rule Text	Role Approver Rule1



# Create BRF+ Rule

After executing the program verify the log for any errors. If errors are present, then they need to be fixed before proceeding to next step.

**Display logs**

Icons: [Print] [Help] [Refresh] [Info]

Date/Time/User	Nu...	External ID	Object txt	Sub-object text	Tran	Program	Mode	Log number
01.07.2011 17:49:23 KAURHAR	4	BRF+ Rule crea...			SA38	GRAC_GE...	Dialog pro...	\$000001
• Problem class important		4						

Navigation: [Previous] [Next] [Search] [Filter] [Zoom] [Print] [Copy] [Paste] [Grid] [Stop] [Error] [Warning] [Success]

Ty... Message Text

- Checking BRFplus application ZERM\_ROLE\_BRF\_APP1
- BRFplus application ZERM\_ROLE\_BRF\_APP1 (ID 4E0CD887EE9C198BE10000000A421329) was successfully ...
- BRFplus Rule ZERM\_ROLE\_METHODODOLOGY\_RULE1 (ID 4E0CD8A8EE9C198BE10000000A421329) was succ...
- BRFplus Rule ZERM\_ROLE\_APPROVAL\_RULE1 (ID 4E0CD8A9EE9C198BE10000000A421329) was successfull...

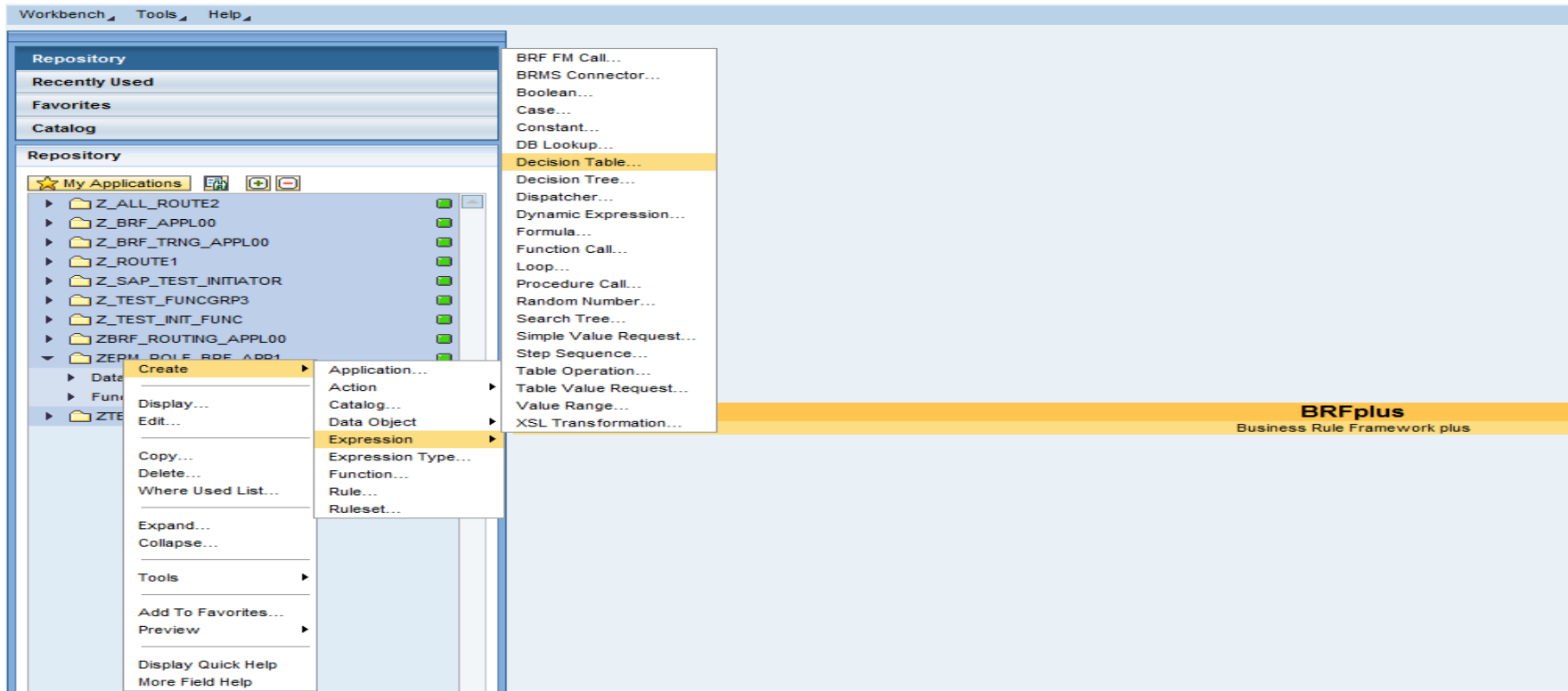
# Create BRF+ Rule

- Execute the TCODE: BRF+
- Select My Applications and search for the application that was just created
- Expand the Application and Function Nodes

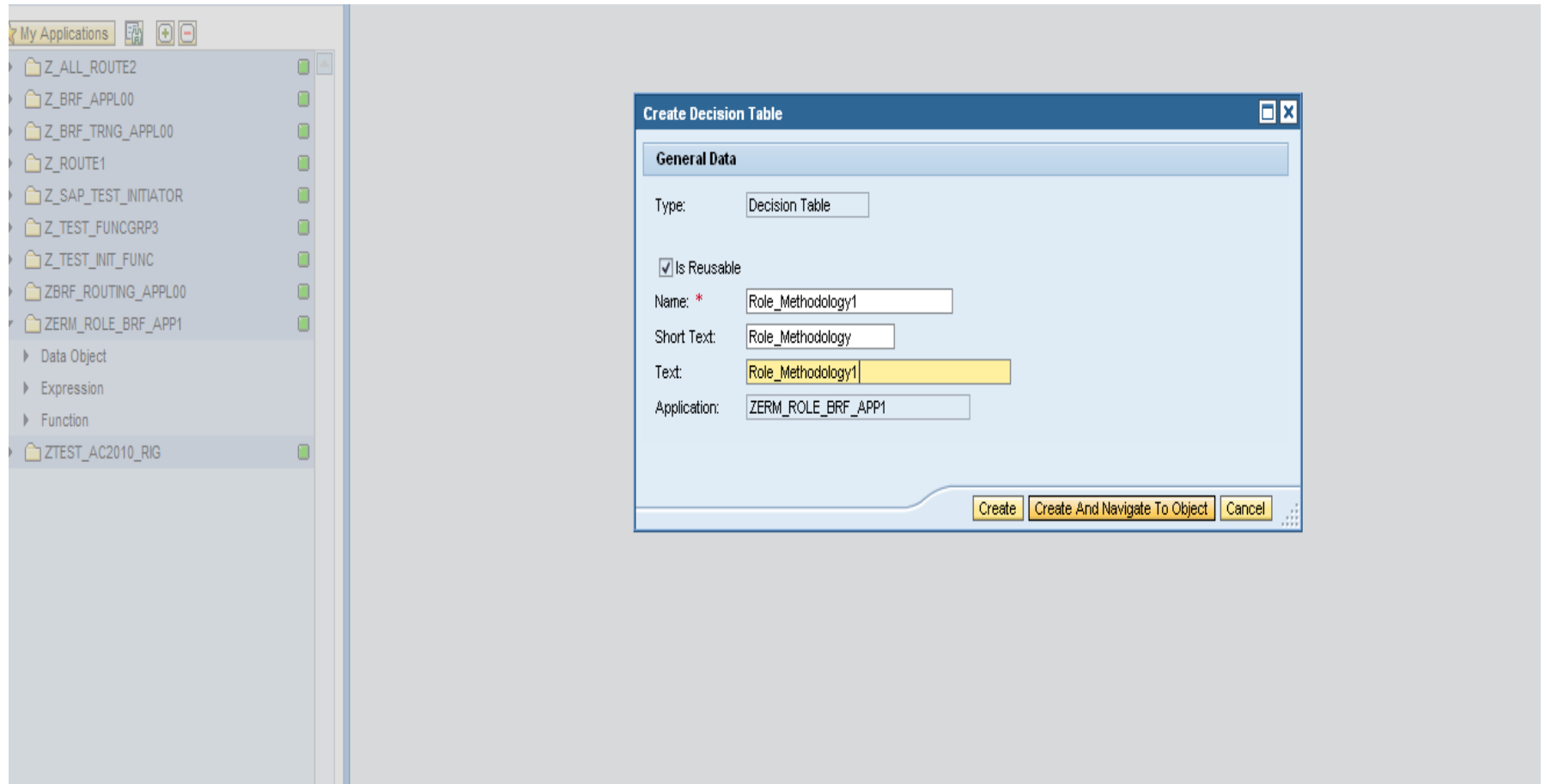


# Create BRF+ Rule

- Create a Decision Table by entering name and other related attributes
- The decision table provides the rule for evaluation; so for each function, a decision table is required



# Create BRF+ Rule



# Create BRF+ Rule

- Create Condition Columns for the Decision Table
- Click Insert Column button and select From Context Data Objects

Decision Table **ROLE\_METHODOLOGY1** | Change Mode | Inactive

**Table Settings**

Object(s) created successfully

**General**

Name: Application: Show More

**Detail**

Insert New

**Table Columns**

**List of Columns**

**Condition Columns**

Insert Column Remove Column Move Up Move Down

Column name	Text	Mandatory input	Column accessibility
No condition columns have been created yet.			

**Result Columns**

Insert Column from Data Object Insert Action Column Remove Column Move Up Move Down

Column name	Text	Action column	Mandatory input	Column accessibility
No result columns have been created yet.				

**Table Check Settings**

Table Overlap Check Settings: Application Default

Table Gap Check Settings: Application Default

OK Cancel

# Create BRF+ Rule

**Table Settings**

**Result Data Object**

☐ Return all matches found  
☐ Return an initial value if no match is found  
☐ Return an exception if partial match is found

Result Data Object: [...](#)

**List of Columns**

**Condition Columns**

Insert Column ▾

Remove Column

Move Up

Move Down

From Context Data Objects..

From Expression..

	Text	Mandatory input	Column accessibility
--	------	-----------------	----------------------

No condition columns have been created yet.

**Result Columns**

Insert Column from Data Object

Insert Action Column

Remove Column

Move Up

Move Down

Column name	Text	Action column	Mandatory input	Column accessibility
-------------	------	---------------	-----------------	----------------------

No result columns have been created yet.

**Table Check Settings**

Table Overlap Check Settings: 

Application Default ▾

Table Gap Check Settings: 

Application Default ▾

OK

Cancel

# Create BRF+ Rule

Select the conditions that need to be evaluated

**Context Query**

☒ Hide Query Fields

☒ Custom Objects ☐ BRFplus Default Objects

Application: ZERM\_ROLE\_BRF\_APP1

Object Name:

Object Type: Data Object

Data Object Type: Element

Element Type: All

Max. Number of Objects: 200

**Search**

**Objects**

Name	Status	Type	Short Text	Application
▪ CRITLVL		Text	Crit. Lvl	ZERM_ROLE_BRF_APP1
▪ FUNAREA		Text	Funct Area	ZERM_ROLE_BRF_APP1
▪ GRAC_CNDGP		Text		ZERM_ROLE_BRF_APP1
▪ PRJREL		Text	Prj Rel	ZERM_ROLE_BRF_APP1
▪ PROFILE		Text	Profile	ZERM_ROLE_BRF_APP1
▪ ROLE_NAME		Text	Name	ZERM_ROLE_BRF_APP1
▪ ROLE_SOURCE		Text	Role Src.	ZERM_ROLE_BRF_APP1
▪ ROLE_STATUS		Text	Role Stat	ZERM_ROLE_BRF_APP1
▪ <b>ROLE_TYPE</b>		Text	<b>Role Type</b>	ZERM_ROLE_BRF_APP1
▪ SENSITIVITY		Text	Role Sens.	ZERM_ROLE_BRF_APP1

**Select** **Cancel**

**Table Check Settings**

Table Overlap Check Settings: Application Default

Table Gap Check Settings: Application Default

**OK** **Cancel**

# Create BRF+ Rule

- Create Result Columns by clicking Insert Column from Data Object
- Search for Result Column
- Select Condition Group (GRAC\_CNDGP) object from the search result
- The result is the end product of the role execution

**Context Query**

☒ Hide Query Fields

☒ Custom Objects ☐ BRFplus Default Objects

Application:

Object Name:

Object Type:

Data Object Type:

Element Type:

Max. Number of Objects:

**Objects**

Name	Status	Type	Short Text	Application
▪ BPROC		Text	Bus. Proc.	ZERM_ROLE_BRF_APP1
▪ BSUBPROC		Text	Subprocess	ZERM_ROLE_BRF_APP1
▪ CONNECTOR_GRP		Text	Conn.Group	ZERM_ROLE_BRF_APP1
▪ CRITLVL		Text	Crit. Lvl	ZERM_ROLE_BRF_APP1
▪ FUNAREA		Text	Funct Area	ZERM_ROLE_BRF_APP1
▪ GRAC_CNDGP		Text		ZERM_ROLE_BRF_APP1
▪ PRJREL		Text	Prj Rel	ZERM_ROLE_BRF_APP1
▪ PROFILE		Text	Profile	ZERM_ROLE_BRF_APP1
▪ ROLE_NAME		Text	Name	ZERM_ROLE_BRF_APP1
▪ ROLE_SOURCE		Text	Role Src.	ZERM_ROLE_BRF_APP1



# Create BRF+ Rule

- Review the conditions and results
- Click OK to confirm the definition
- By Defining the Conditions and Results the definition of the Decision Table is complete

The screenshot shows the 'Table Settings' dialog box with the following sections:

- Result Data Object**
  - ☐ Return all matches found
  - ☐ Return an initial value if no match is found
  - ☐ Return an exception if partial match is found
  - Result Data Object: [GRAC\\_CNDGP](#)
- List of Columns**
  - Condition Columns**

Column name	Text	Mandatory input	Column accessibility
<a href="#">ROLE_TYPE</a>	ROLE_TYPE	<input type="checkbox"/>	Full Access (Changes Allowed)
  - Result Columns**

Column name	Text	Action column	Mandatory input	Column accessibility
<a href="#">GRAC_CNDGP</a>	GRAC_CNDGP	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Full Access (Changes Allowed)
- Table Check Settings**
  - Table Overlap Check Settings: [Application Default](#)
  - Table Gap Check Settings: [Application Default](#)

Buttons: OK, Cancel

# Create BRF+ Rule

Once the values for the Condition and Result Columns are defined, enter values for the Decision table used for rule execution

The screenshot displays the SAP BRF+ Workbench interface. On the left is a 'Repository' pane with a tree view showing a hierarchy of folders: Z\_ALL\_ROUTE2, Z\_BRF\_APPL00, Z\_BRF\_TRNG\_APPL00, Z\_ROUTE1, Z\_SAP\_TEST\_INITIATOR, Z\_TEST\_FUNCGRP3, Z\_TEST\_INIT\_FUNC, ZBRF\_ROUTING\_APPL00, and ZERM\_ROLE\_BRF\_APP1. The ZERM\_ROLE\_BRF\_APP1 folder is expanded, showing sub-items: Data Object, Expression, Function, and ZTEST\_AC2010\_RIG. The main area is titled 'Decision Table ROLE\_METHODODOGY1' and includes a 'Change Mode' button and an 'Inactive' status. Below the title is a toolbar with buttons: Back, Display, Check, Save, Activate, Transport, Mark As Obsolete, and Delete. The 'General' tab is active, showing fields for Name (ROLE\_METHODODOGY1), Short Text (Role Methodology), Application (ZERM\_ROLE\_BRF\_APP1), and Access Level (Application). A 'Show More' link is also present. The 'Detail' tab is also visible, showing a toolbar with buttons: Insert New Row, Edit Row, Remove Row, Copy Row, Insert Copied Row, Move Up, Move Down, Rearrange, Export To Excel, Import From Excel, and Table Settings. The 'Table Contents' section shows a table with two columns: ROLE\_TYPE and GRAC\_CNDGP. Below the table, a message states: 'Table contains no rows. Use "Insert Row" to add conditions.'

# Create BRF+ Rule

- Click Insert New Row to create the values; enter values for the columns
- Select Direct Value Input
- Enter Value for the columns
- Activate the Decision Table

**Detail**

Insert New Row | Edit Row | Remove Row | Copy Row | Insert Copied Row | Move Up | Move Down | Rearrange | Export To Excel | Import From Excel | Table Settings

**Table Contents**

ROLE_TYPE	GRAC_CNDGP
...	...

Case Sensitive: ☐

If ROLE\_TYPE ( Type : Text )

Business Role Change

and unless ...

then Return Value is true, otherwise it is false.

OK | Clear Cell | Cancel

# Create BRF+ Rule

The screenshot displays the SAP BRF+ Rule Editor interface. On the left is a tree view of the project structure, and on the right is the configuration panel for the selected rule.

**Tree View:**

- ▶ Z\_ALL\_ROUTE2
- ▶ Z\_BRF\_APPL00
- ▶ Z\_BRF\_TRNG\_APPL00
- ▶ Z\_ROUTE1
- ▶ Z\_SAP\_TEST\_INITIATOR
- ▶ Z\_TEST\_FUNCGRP3
- ▶ Z\_TEST\_INIT\_FUNC
- ▶ ZBRF\_ROUTING\_APPL00
- ▼ ZERM\_ROLE\_BRF\_APP1
  - ▶ Data Object
  - ▼ Expression
    - ▼ Decision Table
      - ▼ **ROLE\_METHODODOGY1**
    - ▼ Function
      - ▶ ZERM\_ROLE\_APPROVAL\_RULE1
      - ▶ ZERM\_ROLE\_METHODODOGY\_RU...

**General Tab:**

Name:  Short Text:   
Application:  Access Level:

[Show More](#)

**Detail Tab:**

Buttons:

**Table Contents:**

ROLE_TYPE	GRAC_CNDGP
<u>SIN</u>	<u>SINGLE</u>

Workbench Tools Help

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# Create BRF+ Rule

Associate the Decision Table to Function by selecting it in the Top Expression of Function

Activate the function

The screenshot displays the SAP Workbench interface for configuring a function. On the left, the 'Repository' pane shows a tree structure under 'ZERM\_ROLE\_BRF\_APP1' with 'Decision Table' expanded, highlighting 'ROLE\_METHODODOLOGY1'. The main area shows the configuration for 'Function ZERM\_ROLE\_METHODODOLOGY\_RULE1', which is currently 'Active'. The 'General' tab is selected, showing the function's name, short text, application, and access level. The 'Detail' tab is also visible, showing the 'Top Expression' set to 'ROLE\_METHODODOLOGY1'. The 'Properties' tab is active, showing the 'Mode' set to 'Functional Mode'.

Workbench Tools Help

Repository

Recently Used

Favorites

Catalog

Repository

My Applications

- Z\_ALL\_ROUTE2
- Z\_BRF\_APPL00
- Z\_BRF\_TRNG\_APPL00
- Z\_ROUTE1
- Z\_SAP\_TEST\_INITIATOR
- Z\_TEST\_FUNCGRP3
- Z\_TEST\_INIT\_FUNC
- ZBRF\_ROUTING\_APPL00
- ZERM\_ROLE\_BRF\_APP1
  - Data Object
  - Expression
    - Decision Table
      - ROLE\_METHODODOLOGY1
  - Function
    - ZERM\_ROLE\_APPROVAL\_RULE1
    - ZERM\_ROLE\_METHODODOLOGY\_RU...
  - ZTEST\_AC2010\_RIG

Function ZERM\_ROLE\_METHODODOLOGY\_RULE1 | Change Mode | Active

Back Display Check Save Activate Transport Mark As Obsolete Delete

General

Name: ZERM\_ROLE\_METHODODOLOGY\_RULE Short Text: Role Methodology rul

Application: ZERM\_ROLE\_BRF\_APP1 Access Level: Application

Show More

Detail

Start Simulation Show Traces Generate Web Service

Properties Signature Code Generation

Mode: Functional Mode

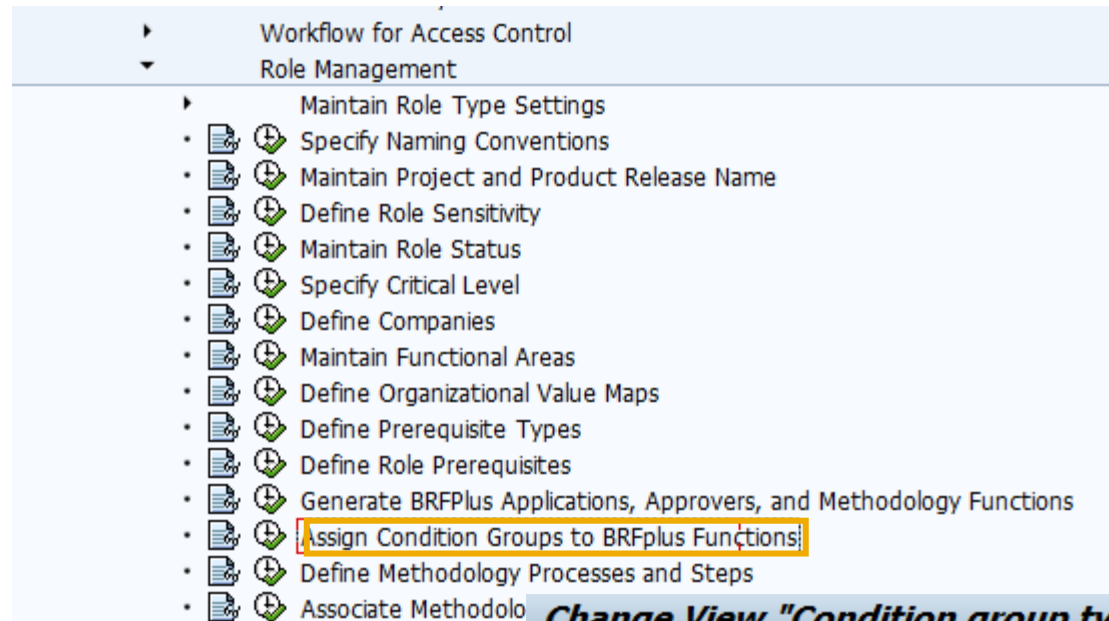
Top Expression: ROLE\_METHODODOLOGY1

# Assign Condition Group Type to BRF+

---

- Navigate to IMG by executing SPRO
- Navigate to GRC → AC → Role Management
- Select activity “Assign Condition Group to BRF+ Rules”
- Select Condition Group Methodology
- Enter the BRF+ Application and Function and save

# Assign Condition Group Type to BRF+



## Change View "Condition group type to BRFplus assignment": Overview

New Entries

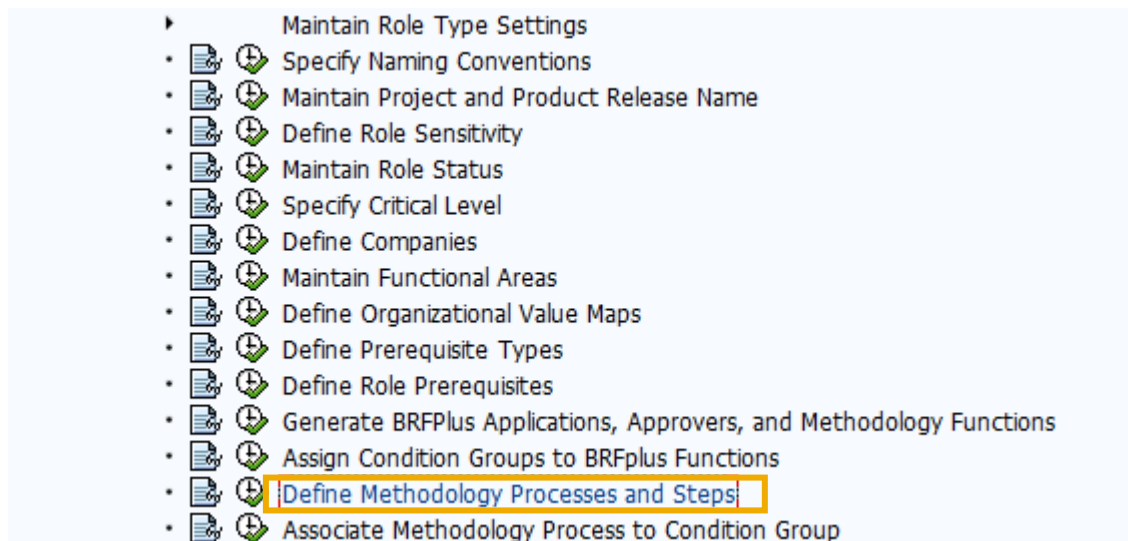
Condition group type to BRFplus assignment

Condition Group	BRFplus Application Name	BRFplus Function Name
APPROVER	ZERM_ROLE_BRF_APP1	ZERM_ROLE_METHODODOLOGY_RULE1
METHODOLOGY	ZERM_ROLE_BRF_APP1	ERM_ROLE_APPROVAL_RULE1



# Define Role Methodology Process and Steps

- Select the Define Methodology Processes and Steps option under Role Management in IMG
- Assign steps to Methodology Process





# Define Role Methodology Process and Steps

**Change View "Define Methodology Process": Overview**

New Entries BC Set: Change Field Values

**Dialog Structure**

- Define Step
  - Define Methodology Process
    - Methodology Process

**Define Methodology Process**

	Methodology	Methodology Status	Default	Methodology Description
0		InActive	<input type="checkbox"/>	Finanace Business Role Methodology
1		InActive	<input type="checkbox"/>	Default Methodology
2		InActive	<input type="checkbox"/>	SIN FI NHR LS
3		InActive	<input type="checkbox"/>	SAP HR SIN CONS
4		InActive	<input type="checkbox"/>	TEST_METH_DEMO
5		InActive	<input type="checkbox"/>	Testing purpose
6		InActive	<input type="checkbox"/>	ZRS Methodology Process
7		InActive	<input type="checkbox"/>	COMP_ROLE_FI_PATH
8		InActive	<input type="checkbox"/>	test
9		InActive	<input type="checkbox"/>	SIN Process FI
10		InActive	<input type="checkbox"/>	PMC
11		InActive	<input type="checkbox"/>	ERMSTDSTAGES
12		InActive	<input type="checkbox"/>	My Methodology
13		InActive	<input type="checkbox"/>	PMC Methodology
14		InActive	<input type="checkbox"/>	SH_BRFplus_Methodology
15		Active	<input type="checkbox"/>	Default Methodology
16		Active	<input type="checkbox"/>	Single Role With Role Derivation
17		Active	<input type="checkbox"/>	Composite Role With Approval
18		Active	<input checked="" type="checkbox"/>	SINGLE_ROLE_METHODODOLOGY

# Associate Role Methodology Process to Condition Group

- Select the “Associate Role Methodology Process to Condition Group” option from the IMG customization
- Associate the Condition Group to the Methodology Process

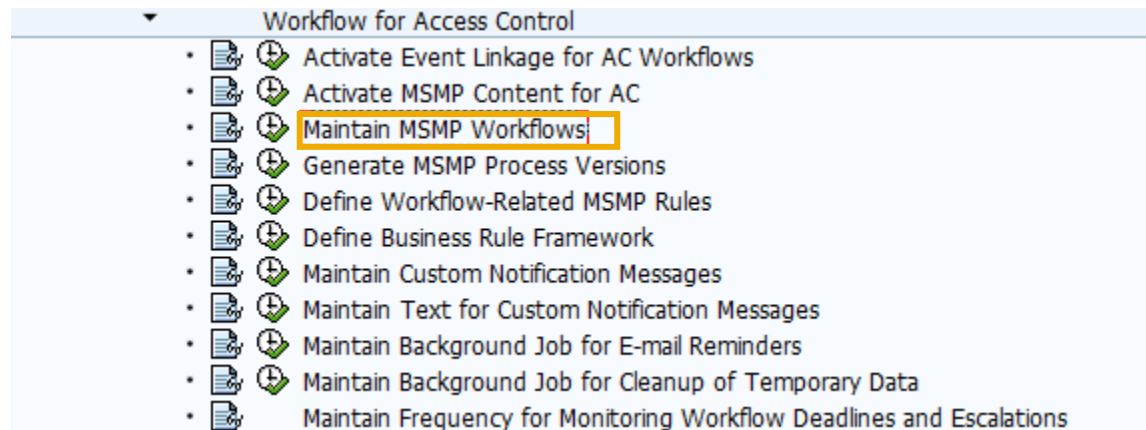
The image shows two SAP screenshots. The left screenshot displays the 'Role Management' menu with the option 'Associate Methodology Process to Condition Group' highlighted. The right screenshot shows the 'Maintenance view for Condition Group - M...' table with the following data:

Condition Group ID	Methodolgy
COMPOSITE	17
DEFAULT	15
SINGLE	16

# Creating Role Approval Workflow

## Maintain MSMP Workflow

- Role Approval Workflow needs to be maintained if Approval step is there in Role Creation methodology
- The default workflow process can be used to set up Role Approval Workflow Process
- Select the maintain MSMP Workflow option from IMG
- Select the Role Approval Workflow Process from Step 1 in the MSMP Workflow Configuration and open it in Change Mode



# Creating Role Approval Workflow

## Maintain MSMP Workflow

**MSMP Workflow Configuration**

1

Process Global Settings

2

Maintain Rules

3

Maintain Agents

4

Variables & Templates

5

Maintain Paths

6

Maint Route Mapping

7

Generate Versions

Previous

Next

Display / Change

Select workflow process

Process ID	Process Description	Escalation	Rule ID	Rule Description
SAP_GRAC_ACCESS_REQUEST	Access Request Approval Workflow	<input type="checkbox"/>	ZGRFN_MSMP_RULE_INIT_TEST	Function Module for Initiator Rule
SAP_GRAC_ACCESS_REQUEST_HR	Access Request Approval for HR OM Objects Workflow	<input type="checkbox"/>	GRAC_AR_INITIATOR	Default Initiator rule ( Process Type : SAP_GRAC_AR)
SAP_GRAC_CONTROL_ASGN	Control Assignment Approval Workflow	<input type="checkbox"/>	GRAC_CTRLASGN_INITIATOR	Default Initiator rule
SAP_GRAC_CONTROL_MAINT	Mitigation Control Maintenance Workflow	<input type="checkbox"/>	GRAC_MITCTRLMAINT_INITIATOR	Default Initiator rule
SAP_GRAC_FIREFIGHT_LOG_REPORT	Fire Fighter Log Report Review Workflow	<input type="checkbox"/>	GRAC_FFLOGREPORT_INITIATOR	Default Initiator rule
SAP_GRAC_FUNC_APPR	Function Approval Workflow	<input type="checkbox"/>	GRAC_FUNCAPPR_INITIATOR	Default Initiator rule
SAP_GRAC_RISK_APPR	Risk Approval Workflow	<input type="checkbox"/>	GRAC_RISKAPPR_INITIATOR	Default Initiator rule
SAP_GRAC_ROLE_APPR	Role Approval Workflow	<input type="checkbox"/>	GRAC_ROLEAPPR_INITIATOR	Default Initiator rule
SAP_GRAC_SOD_RISK_REVIEW	SOD Risk Review Workflow	<input type="checkbox"/>	GRAC_RISKREVIEW_INITIATOR	Default Initiator rule
SAP_GRAC_USER_ACCESS_REVIEW	User Access Review Workflow	<input type="checkbox"/>	GRAC_USERACCRVW_INITIATOR	Default Initiator rule

# Creating Role Approval Workflow

## Maintain MSMP Workflow

- Maintain the approver rules in the Maintain Rules step.
- In Step 5, maintain the Stage settings and select the Agent ID as GRAC\_ROLE\_APPROVER or the approver rule create in BRF+
- Save and activate the workflow

Process:

### Maintain Paths

Path ID	Path Description
AT_PATH1	AT_PATH1
BRM_PATH1	BRM Path 1
GRAC_DEFAULT_PATH	Default Path
SP1_PATH	SP1_PATH
SP2_PATH	SP2 Path
ZRS_PATH1	ZRS Path 1
Z_3_STG_PATH	3 stage path for SP04

### Maintain Stages

Stage Seq. No.	Stage Config ID	Stage Description	Agent ID	Approval Type	Routing Enabled	Rule Type	Rule ID	Routing Level	Escalation Type	Escalation Time Mins	Escalation Agent
001	GRAC_DEFAULT_STAGE	Default stage	GRAC_ROLE_APPROVER	Any One Approver	No				Use Defaults	0	



# Define Business Role



# Define Business Role

---

- Business Role is an efficient way of managing roles in an organization and model them based on a job function.
- Each business role represents a Job role or function and is associated to one or more related Technical Roles.
- An example of a business role is “ AP Clerk” which has all the authorizations that Accounts Payable Clerk needs to perform his activities
- Navigate to the Role Maintenance Screen and create a role with role type as Business Role
- Specify the Role Attributes for Business Role
- For Business Roles, Application Type is always BUSINESS ROLES and Landscape is always ROLE MANAGEMENT BUSINESS GROUPS

# Define Business Role

Active Queries								
Business Role Management <b>Role (74926)</b>								
Business Role Management - Role								
View: [Standard View] ▼ Open Create ▼ Copy Delete ▼ Role Details Export Print Version Export ▼								
Role Name	Applicability	Business Role	Landscape	Role Type	Business Process	Subprocess	Created By	Created On
<a href="#">ZTEST_COMPOSITE_ROLE</a>	Governance	Composite Role	compliance <a href="#">SAP_R3_LG</a>	Composite Role	Basis	Basis Subprocess 1	Cr	
<a href="#">ZTEST_SINGLE_ROLE</a>	Governance	Group	compliance <a href="#">SAP_R3_LG</a>	Single Role	Basis	Basis Subprocess 1	G	
<a href="#">TESTER_ROLE3</a>	SAP	PO profile	<a href="#">CUP_CG</a>	Composite Role	Basis	Basis Subprocess 1	A	
<a href="#">Z_RK_COMP_ROLE</a>	SAP	Profile	<a href="#">SAP BRM Connector Group</a>	Composite Role	Basis	Basis Subprocess 1	Cr	
<a href="#">Z_USER_ROLE_CHECK_1</a>	SAP	Single Role	<a href="#">SAP BRM Connector Group</a>	Single Role	Basis	Basis Subprocess 1	Cr	
<a href="#">Z_USER_ROLE_CHECK</a>	SAP	Template custom	<a href="#">SAP BRM Connector Group</a>	Single Role	Basis	Basis Subprocess 1	Cr	
<a href="#">RK_TEST_JUL_1</a>	SAP		<a href="#">Testing for connector group RK</a>	Single Role	Testing for BPROC, RK	Testing for Sub Process	M	
<a href="#">ZGPR_AC10_APO:WW-WW</a>	SAP		<a href="#">BRM landscape for NW 710</a>	Single Role	APO	APO Subprocess 1	D	
<a href="#">ABCTEST1</a>	SAP		<a href="#">ZBS Landscape Group</a>	Single Role	Basis	Basis Subprocess 1	G	
<a href="#">Z_AP_AC10_M_W-W</a>	SAP		<a href="#">NHR systems landscape</a>	Single Role	APO	APO Subprocess 1	D	
<a href="#">ZGPR_AC10_B50_IT-TIT</a>	SAP		<a href="#">BRM landscape for NW 710</a>	Single Role	Basis	Basis Subprocess 1	D	
<a href="#">GIF_ROLE_01</a>	SAP		<a href="#">BRMTEST</a>	Single Role	Basis	Basis Subprocess 1	D	

# Define Business Role

Define Role

Additional Details

Details | Properties | Functional Area | Company | Custom Fields | Owners/Approvers | Roles | Prerequisite

Attributes

Application Type: \*  
Business Roles

Landscape: \*  
Role Management Business Group

Business Process: \*  
Basis

Subprocess: \*  
Basis Subprocess 1

Project Release: \*  
AC 10.0 AT

Names

Role Name:  
BUSINESS\_ROLE1

Description:  
BUSINESS\_ROLE1

# Define Business Role

- Add Technical Roles to be included in Business Role.
- A role hierarchy can be created by including another Business Role
- Perform all the other steps in the methodology for Business Roles

Define Role

Additional Details

Details | Properties | Functional Area | Company | Custom Fields | Owners/Approvers | Roles | Prerequisite

List of Roles

Add Remove

	Name	Landscape	Role Type	Business Process	Subprocess
▪	<a href="#">HR SAP SIN WL02</a>	<a href="#">SAP BRM Connector Group</a>	Single Role	HR and Payroll	Compensation
▪	<a href="#">SAP ISU CA LOANS</a>	<a href="#">SAP BRM Connector Group</a>	Single Role	Basis	Basis Subprocess 1

PreviousNext

Save & ContinueSaveEdit

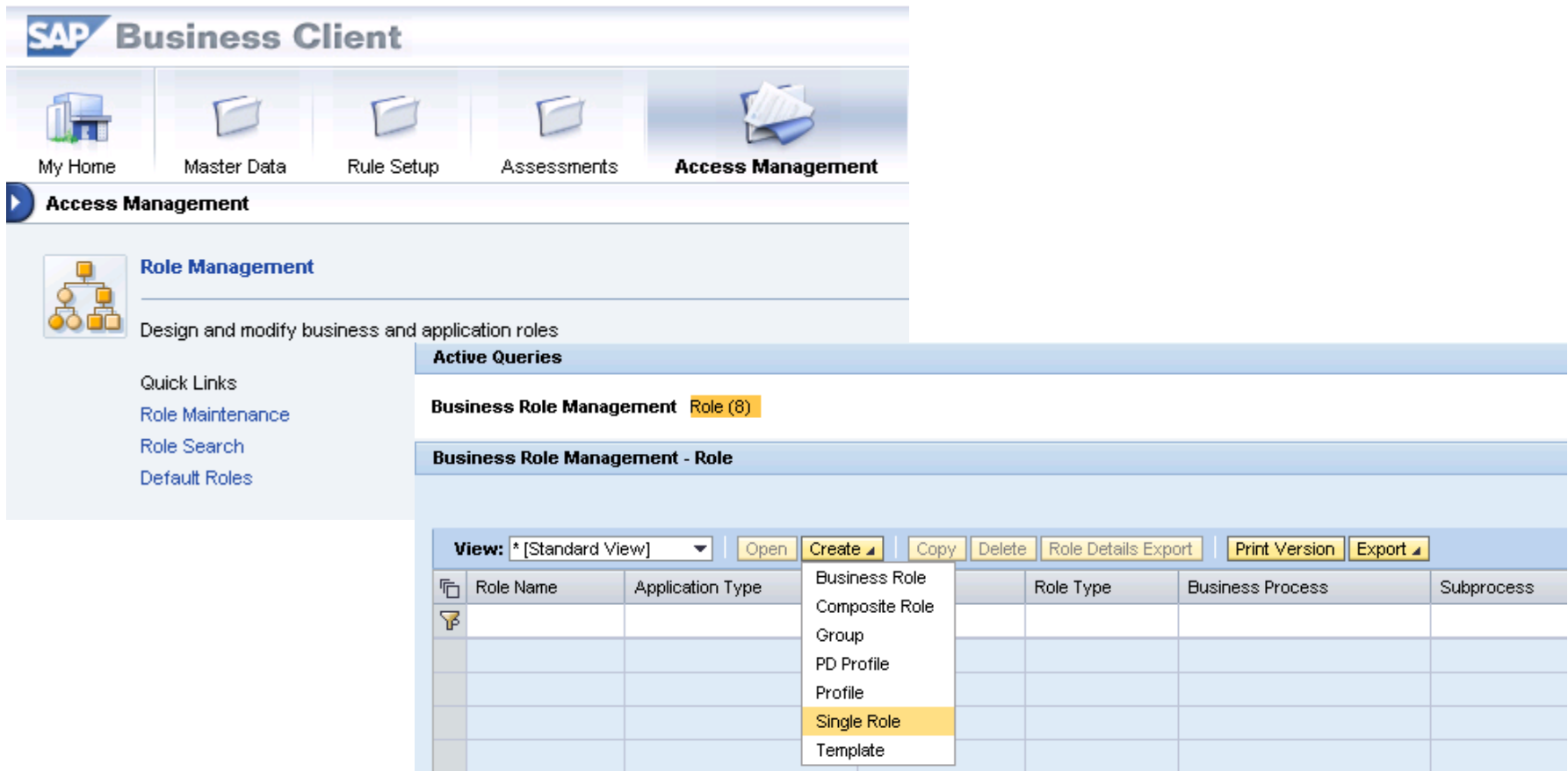
CloseGo To Phase ▾



# Define Technical Role

# Define Technical Role

- Go to Access Management Work center and select Role Maintenance
- Select Create a Single Role and you will see the Create Role Screen



The screenshot shows the SAP Business Client interface. At the top, the 'SAP Business Client' logo is visible. Below it, a navigation bar contains icons for 'My Home', 'Master Data', 'Rule Setup', 'Assessments', and 'Access Management'. The 'Access Management' icon is selected. Below the navigation bar, the 'Access Management' section is displayed. On the left, there is a 'Role Management' icon and a description: 'Design and modify business and application roles'. Below this, there are 'Quick Links' for 'Role Maintenance', 'Role Search', and 'Default Roles'. On the right, the 'Active Queries' section is visible, showing 'Business Role Management Role (8)'. Below this, the 'Business Role Management - Role' section is displayed. It features a table with columns: 'Role Name', 'Application Type', 'Role Type', 'Business Process', and 'Subprocess'. The 'Create' button is highlighted, and a dropdown menu is open, showing options: 'Business Role', 'Composite Role', 'Group', 'PD Profile', 'Profile', 'Single Role' (which is highlighted), and 'Template'. The 'View' dropdown is set to '\* [Standard View]'. Other buttons like 'Open', 'Copy', 'Delete', 'Role Details Export', 'Print Version', and 'Export' are also visible.

**SAP Business Client**

My Home Master Data Rule Setup Assessments **Access Management**

**Access Management**

**Role Management**  
Design and modify business and application roles

Quick Links  
[Role Maintenance](#)  
[Role Search](#)  
[Default Roles](#)

**Active Queries**  
**Business Role Management Role (8)**

**Business Role Management - Role**

View: \* [Standard View] Open Create Copy Delete Role Details Export Print Version Export

Role Name	Application Type	Role Type	Business Process	Subprocess

# Define Technical Role

---

- The current phase is always visible and Go to phase allows the user to jump to a specific step in the methodology
- The reapply Methodology allows the user to change the methodology for an existing role
- Provide values for all the attributes of the role and follow the steps as in the screenshots on next slides

# Define Technical Role

PreviousNext

Save & ContinueSaveCancel EditCloseCertifyReapply MethodologyGo To Phase

Define RoleAdditional Details

DetailsPropertiesFunctional AreaCompanyCustom FieldsOwners/ApproversPrerequisiteRole Mapping

Attributes

Application Type: \*SAP

Landscape: \*MY\_GF2

Business Process: \*Basis

Subprocess: \*Basis Subprocess 1

Project Release: \*AC 10.0 AT

Names

Role Name:Z\_BS\_PJREL\_M\_ROL1

Description:Z\_BS\_PJREL\_M\_ROL1

Profile Name:T671679\_\_

Profile Description:Z\_BS\_PJREL\_M\_ROL1

PreviousNext

Save & ContinueSaveCancel EditCloseCertifyReapply MethodologyGo To Phase



# Define Technical Role

Select a Functional Area for the role

The screenshot shows the 'New Single Role' dialog box in SAP. The 'Role Type' is set to 'Single Role'. The 'Select Functional Area' sub-dialog is open, displaying a list of available functional areas and a selected area.

**Available Functional Areas:**

Functional Area	Description
BASIS02	BASIS
FINANCE	Finance
HR	Human Resources
JF1	jf1
JFA	j func area
NEVFA	NEVFA AREA
PAYROLL	Payroll
PURCHASE	Purchase
QUALITY	Quality
RTEST_FI	RTEST_FI Functional Area Finance
SALES	Sales
SUPPORT	Support

**Selected Functional Area:**

Functional Area	Description
BASIS	Basis

The 'Select Functional Area' dialog also includes a 'Find' field, a dropdown for 'in: Functional Area', and a 'Go' button. The 'Available' list has a search icon and a scroll bar. The 'Selected' list has a scroll bar. Navigation arrows are present between the two lists.

# Define Technical Role

**New Single Role**[Help](#)

Role Type Single Role

Define Role

→

Maintain Authorizations

→

Derive Role

→

Generate Roles

→

◀▶

◀ Previous

Next ▶

Save & Continue

Save

Edit

Close

Go To Phase ▾

Define Role

Additional Details

Details | Properties | **Functional Area** | Company | Custom Fields | Owners/Approvers | Prerequisite | Role Mapping

List of Functional Areas

Add

Remove

Filter Settings

Functional Area	Description
BASIS	Basis

◀ Previous

Next ▶

Save & Continue

Save

Edit

Close

Go To Phase ▾

# Define Technical Role

## Select Company for the role

Maintain Roles - Microsoft Internet Explorer

### New Single Role

Role Type: Single Role

Define Role → Maintain Authorizations → Derive Role → Generate Roles

Previous Next

Define Role Additional Details Properties Functions

List of Companies

Add Remove

Company

#### Select Company

Find:  in: Company Go

Company	Description
CA01	Canada
CCC	CCC
CCD	CCD
DE01	SAP AG
EU01	East Europe
EU02	West Europe
EU03	Central Europe
IN01	India Ltd.
IN02	INDIA
KAP1	Kapil's Company
LA01	Caribbean
RTEST_CO	RTEST_CO Company
TEST	TEST

Company	Description
US01	US Palo Alto

OK Cancel

Previous Next Save & Continue Save Edit Close Go To Phase

# Define Technical Role

Define Role

Additional Details

Details | Properties | Functional Area | **Company** | Custom Fields | Owners/Approvers | Prerequisite | Role Mapping

List of Companies

Add

Remove

Filter Settings

Company	Description
US01	US Palo Alto

Previous

Next

Save & Continue

Save

Edit

Close

Go To Phase

# Define Technical Role

---

- Various other role attributes like Custom fields, Role Pre-requisites, role mapping, can be defined for a role in the Role Definition phase
- Most of them have been discussed already in configuration
- Role mapping allows related roles mapped to a Single Role
- These roles are provisioned when the Single Role is provisioned

# Define Technical Role

**Single Role:Z\_BS\_PJREL\_M\_ROL1**[Help](#)

Role Type Single Role

The process flow consists of four main steps: 'Define Role' (highlighted in blue), 'Maintain Authorizations' (with a warning icon), 'Derive Role' (with a diamond icon), and 'Generate Roles' (with a diamond icon). Navigation arrows are present before and after the steps.

Previous

Next

Save & Continue

Save

Cancel Edit

Close

Certify

Reapply Methodology

Go To Phase

**Define Role** | Additional Details

Details | Properties | Functional Area | Company | Custom Fields | Owners/Approvers | Prerequisite | **Role Mapping**

Consider Parent Assignment Approvers: ☐

**Role Mapping**

[Filter](#) [Settings](#)

	Source System	Target System	Role Name	Landscape
	GF2 200	GF2CLNT200	AC_COMP_MIT_ZKA	AP BRM Connector Group

# Define Technical Role

Define authorizations for the role by selecting the Maintain Authorization data option

**Single Role:Z\_BS\_PJREL\_M\_ROL1** [Help](#)

Role Type Single Role

➔ ☒ Define Role ➔ **Maintain Authorizations** ➔ ◇ Derive Role ➔ ◇ Generate Roles ➔ ⏪ ⏩

☒ Data saved

⏪ Previous Next ⏩ | Save & Continue Save Edit | Close Certify Reapply Methodology Go To Phase ▾

**Maintain Authorizations** Additional Details

**Maintain Authorization Data** Actions Permissions Organizational Levels Functions

**Maintain Role Authorization Data**

Backend System for Maintenance: GF2 200

Date/Time of Last Authorization Data Update in Role Management:

Date/Time of the Role in Backend System for Last Synchronization:

Current Date/Time of the Role in Backend System:

Push Authorization Data to Backend System: ☐

⏪ Previous Next ⏩ | Save & Continue Save Edit | Close Certify Reapply Methodology Go To Phase ▾

# Define Technical Role

This will open PFCG transaction in the Authorization system for that role

The screenshot displays the SAP 'Single Role:Z\_BS\_PJREL\_M\_ROL1' transaction. The 'Role Type' is 'Single Role'. The navigation bar shows the following steps: Define Role (checked), Maintain Authorizations (active), Derive Role, and Generate Roles. Below the navigation bar, the checkbox 'Open a new PFCG session' is checked. The main area is divided into two tabs: 'Maintain Authorizations' and 'Additional Details'. Under 'Maintain Authorizations', there are sub-tabs: 'Maintain Authorization Data' (active), 'Actions', 'Permissions', 'Organizational Levels', and 'Functions'. The 'Maintain Role Authorization Data' section includes buttons for 'Add/Delete Function', 'Maintain Authorization Data', 'Sync. with PFCG', and 'Cancel PFCG Sync.'. Below these buttons, the following information is displayed:

Backend System for Maintenance:	GF2 200
Date/Time of Last Authorization Data Update in Role Management:	22.07.2011 19:57:24
Date/Time of the Role in Backend System for Last Synchronization:	22.07.2011 19:57:24
Current Date/Time of the Role in Backend System:	22.07.2011 19:57:24
Push Authorization Data to Backend System:	<input type="checkbox"/>

A 'File Download' dialog box is overlaid on the right side of the screen. It asks 'Do you want to open or save this file?'. The file details are:

- Name:
- Type: SAP GUI Shortcut, 176 bytes
- From: uscigf2.wdf.sap.corp

The dialog box has 'Open', 'Save', and 'Cancel' buttons. Below the buttons, there is a checkbox labeled 'Always ask before opening this type of file' which is checked. At the bottom of the dialog box, there is a warning icon and text: 'While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. [What's the risk?](#)'.



# Define Technical Role

Enter credentials to log in to the system

The screenshot displays the SAP GUI interface for defining a technical role. The main window is titled "Single Role:Z\_BS\_PJREL\_M\_ROL1" and includes a "Help" link. Below the title bar, it indicates "Role Type Single Role". A navigation bar shows the process flow: Define Role (checked), Maintain Authorizations, Derive Role, and Generate Roles. A checkbox labeled "Open a new PFCG session" is checked. The interface includes buttons for "Previous", "Next", "Save & Continue", and "Save". The "Maintain Authorizations" tab is active, showing sub-tabs for "Maintain Authorization Data", "Actions", and "Permissions". Under "Maintain Authorization Data", there are buttons for "Add/Delete Function" and "Maintain Authorization Data". The "Backend System for Maintenance" section displays the following information:

- Backend System for Maintenance:
- Date/Time of Last Authorization Data Update in Role Management: 22.07.2011 19:57:24
- Date/Time of the Role in Backend System for Last Synchronization: 22.07.2011 19:57:24
- Current Date/Time of the Role in Backend System: 22.07.2011 19:57:24
- Push Authorization Data to Backend System: ☐

A login dialog box titled "SAP GUI Shortcut - Logon (GF2, 200, EN, \*PFCG...)" is overlaid on the main window. It prompts the user to "Type your user name and password". The "User Name" field contains "KAURHAR", and the "Password" field is masked with dots. The dialog box has "Log On" and "Cancel" buttons.

At the bottom of the main window, there are buttons for "Previous", "Next", "Save & Continue", "Save", "Edit", "Close", "Certify", "Reapply Methodology", and "Go To Phase".

# Define Technical Role

Maintain authorization data for the role

**Change Roles**

Other role | |

Role

Role

Description

Target System  No destination

Description | Menu | Authorizations | User | Personalization

**Administration Information**

	Created	Changed
User	<input type="text" value="I040325"/>	<input type="text" value="I040325"/>
Date	<input type="text" value="22.07.2011"/>	<input type="text" value="22.07.2011"/>
Time	<input type="text" value="21:57:22"/>	<input type="text" value="21:57:24"/>

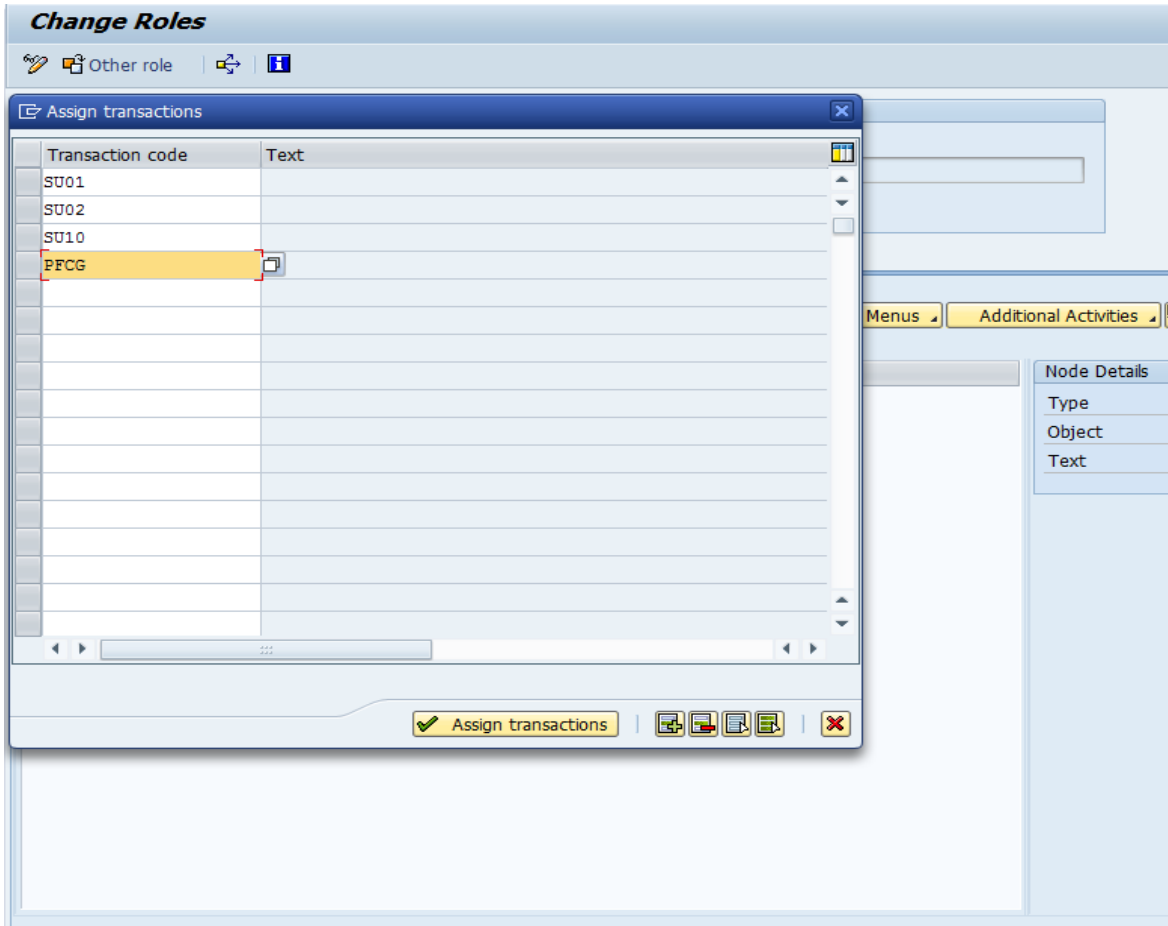
**Transaction Inheritance**

Derive from Role

**Long Text**

Li 1, Co 1 | Ln 1 - Ln 1 of 1 lines

## Define Technical Role



# Define Technical Role

**Change Roles**

Other role | |

---

**Role**

Role

Description

Target System  ☒ No destination

---

Description | Menu | Authorizations | User | Personalization

---

**Created by**

User

Date

Time

**Last Changed On/By**

User

Date

Time

---

**Information About Authorization Profile**

Profile Name

Profile Text

Status Authorization profile is generated

---

**Maintain Authorization Data and Generate Profiles**

Change Authorization Data

---

Expert Mode for Profile Generation

# Define Technical Role

After the role is saved in PFCG, select Sync with PFCG option on Role Maintenance Screen

**Single Role:Z\_BS\_PJREL\_M\_ROL1**

Role Type Single Role

➔ ☒ Define Role ➔ Maintain Authorizations ➔ ◇ Derive Role ➔ ◇ Generate Roles ➔ ⏪ ⏩ ⏴ ⏵

📄 Open a new PFCG session

⏪ Previous Next ⏩ | Save & Continue Save Edit | Close Certify Reapply Methodology Go To Phase ⏴

Maintain Authorizations Additional Details

Maintain Authorization Data | Actions | Permissions | Organizational Levels | Functions

**Maintain Role Authorization Data**

Add/Delete Function Maintain Authorization Data Sync. with PFCG Cancel PFCG Sync. Propagate to Derived Roles

Backend System for Maintenance: GF2 200

Date/Time of Last Authorization Data Update in Role Management: 22.07.2011 19:57:24

Date/Time of the Role in Backend System for Last Synchronization: 22.07.2011 19:57:24

Current Date/Time of the Role in Backend System: 22.07.2011 19:57:24

Push Authorization Data to Backend System: ☐

⏪ Previous Next ⏩ | Save & Continue Save Edit | Close Certify Reapply Methodology Go To Phase ⏴

# Define Technical Role

**Single Role:Z\_BS\_PJREL\_M\_ROL1**

Role Type Single Role

➔

☒ Define Role

➔

Maintain Authorizations

➔

☐ Derive Role

➔

☐ Generate Roles

➔

⏪

⏩

☒ Synchronized PFCG authorizations from back-end system

⏪ PreviousNext ⏩

Save & ContinueSaveEdit

CloseCertifyReapply MethodologyGo To Phase ▾

Maintain AuthorizationsAdditional Details

Maintain Authorization DataActionsPermissionsOrganizational LevelsFunctions

**Maintain Role Authorization Data**

Add/Delete FunctionMaintain Authorization DataSync. with PFCGCancel PFCG Sync.Propagate to Derived Roles

Backend System for Maintenance:GF2 200

Date/Time of Last Authorization Data Update in Role Management:22.07.2011 20:12:37

Date/Time of the Role in Backend System for Last Synchronization:22.07.2011 20:12:37

Current Date/Time of the Role in Backend System:22.07.2011 20:12:37

Push Authorization Data to Backend System:☐

⏪ PreviousNext ⏩

Save & ContinueSaveEdit

CloseCertifyReapply MethodologyGo To Phase ▾

# Define Technical Role

Derive roles by selecting the Org value Map

**Single Role:Z\_BS\_PJREL\_M\_ROL1**[Help](#)

Role Type Single Role

➡ ☒ Define Role ➡ ☒ Maintain Authorizations ➡ **Derive Role** ➡ ☐ Generate Roles

⏪ ⏩

☒ Data saved

⏪ Previous Next ⏩

Save & Continue Save Edit Close Certify Reapply Methodology Go To Phase ⏴

Derive Role Additional Details

Derived Roles

Derive Delete Edit Leading Org.

Filter Settings

<input type="checkbox"/>	Role Name	Organizational Level	From Value	To Value
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

⏪ Previous Next ⏩

Save & Continue Save Edit Close Certify Reapply Methodology Go To Phase ⏴

# Define Technical Role

**Single Role: Z\_BS\_PJREL\_M\_ROL1** [Help](#)

Role Type Single Role

➔ ☒ Define Role ➔ ☒ M...

◀ Previous Next ▶ Save

Derive Role Additio...

**Derived Roles**

Derive Delete Edit Leading

Role Name

◀ Previous Next ▶ Save

**Role Derivation**

**Manage Derived Role**

Single Role Name: Z\_BS\_PJREL\_M\_ROL1

➔ **1** **2** **3** ➔

Select Org. Value Mappings Derived Role Definition Review and Save

◀ Previous Next ▶ Save Cancel

☐ No Leading Org. Level

Leading Org. Level: \*

Organization Value From: \*

Organization Value To:

**Org. Value Mappings**

Add Remove [Filter](#) [Settings](#)

Org Value Mapping	Organizational Level	From Value	To Value	Description	Description



# Define Technical Role

**Role Derivation**

**Manage Derived Role**

**Select Org. Value Mappings**

Org. Value Mapping:  Description:

☒ Consider Range for Values

Filter Settings					
<input type="checkbox"/>	Org Value Mapping	Description	Org. Level	From Value	To Value
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

# Define Technical Role

Generate the roles in target system by following the step by step procedure for Role Generation

**Single Role:Z\_BS\_PJREL\_M\_ROL1**[Help](#)

Role Type: Single Role

➔

☒ Define Role

➔

☒ Maintain Authorizations

➔

☒ Derive Role

➔

Generate Roles

⏪

⏩

⏪ Previous

Next ⏩

Save & Continue

Save

Edit

Close

Certify

Reapply Methodology

Go To Phase ▾

Generate Roles

Additional Details

List of Generated Roles

Generate

Role Name	Description	System	Last Generated On	Generation Source

⏪ Previous

Next ⏩

Save & Continue

Save

Edit

Close

Certify

Reapply Methodology

Go To Phase ▾

# Define Technical Role

**Role Generation**

1 2 3 4

Select System & Role Schedule Analyze Risks Confirmation

Previous Next Close

**Default System**

System	Description	Application Type
GF2CLNT200	GF2 200	SAP

**Other Systems**


**Derived Roles**

Role Name	Description	Business Process	Subprocess

Previous Next Close



# Additional Features

# Role Mass Maintenance

---

- Mass maintenance consists of the following features:
- Role import Role can be imported from an SAP or non SAP system using a file import capability
- Role Update : Role attributes can be updated for more than one role at a time
- Role Derivation: Provides the ability to derive roles when new Org values are updated
- Risk Analysis Risk analysis can be done for many roles at a time
- Role Generation Allows the ability to generate more than one role simultaneously

# Role Import

---

- A step by step process walks the user through the import process..
- Define Role Selection criteria and import data source
- Roles can be imported directly from the backend SAP system or using a role authorization data file.
- The Role authorization data file can be generated by executing the program /GRCPI/GRIA\_DNLDROLES

# Role Import

**Role Import**[Help](#)

12345

Define CriteriaSelect Role DataReviewScheduleConfirmation

PreviousNext

**Role Selection**

Role Type: \*

☒ Technical role☐ Business role☐ CUA Composite role

**Import Source**

Role Attribute Source: \*

☒ User Input☐ File on Server☐ File on Desktop

Role Authorization Source: \*

☒ Backend System☐ File on Server☐ File on Desktop☐ Skip

**Definition Criteria**

Application Type: \*SAP

Landscape: \*MY\_GF2

Overwrite Existing Role:No

**Role Selection Criteria**

Source System:GF2 200

Role Updated After:21.07.2010

All roles except SAP Predefined Roles:☒

Role From:

Role To:

Methodology Status:Complete

# Role Import

- Select role attributed Source
- Role attributes can be user entered during Role Import or default values can be used

**Role Import**[Help](#)

12345

Define CriteriaSelect Role DataReviewScheduleConfirmation

PreviousNext

**Role Attributes Source - User Input**

Attribute Selection ☐ Default Values  
☒ User Defined Attributes

**Role Attributes**

Critical Level:HighBusiness Process: \*Basis

Project Release: \*AC 10.0 ATSubprocess: \*Basis Subprocess 1

Role Status:Production 1

Functional AreaOwners/ApproversCompanyCustom Fields

**List of Approvers**

AddRemoveFilter Settings

User	Full Name	Alternate	Full Name	Assignment Approver	Role Content Approver



# Role Import

Preview the role selected. This will help to verify the roles before they are imported

**Role Import**[Help](#)

12345

Define CriteriaSelect Role DataReviewScheduleConfirmation

PreviousNext

**Review Roles**

☐ No Preview☒ Preview all roles☐ Preview subset of roles

Show Preview

**Role List**[Filter](#) [Settings](#)

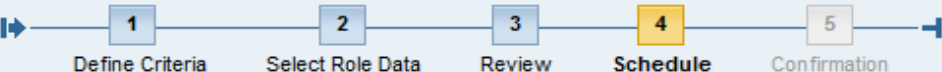
Role Name	Description
/POA/BUI_FLEX_CLIENT	The POA SBC BUI User Role
/POA/BUI_UM_USER	The POA SBC BUI User Role
/POA/CLM_BPC_USER	Content Lifecycle Management- Planning and Consolidation 10.0 Role
/POA/CLM_GRC_AC_USER	Content Lifecycle Management - GRC Access Control 10.0
/POA/CLM_GRC_GTS_USER	Content Lifecycle Management - GRC Global Trade Services 10.0
/POA/CLM_GRC_PC_USER	Content Lifecycle Management - GRC Process Control 10.0 Role
/POA/CLM_GRC_RM_USER	Content Lifecycle Management - GRC Risk Managment 10.0 Role
/POA/CLM_GRC_USER	Content Lifecycle Management - GRC 10.0 Role
/POA/CLM_USER	Content Lifecycle Managment User with all authorizations
/POA/FCP_ADMIN	Role for Deploy/Undeploy Artifacts and Change FCP Configuration

PreviousNext

# Role Import


## Schedule the role import job

**Role Import**[Help](#)



1 Define Criteria 2 Select Role Data 3 Review 4 **Schedule** 5 Confirmation

[◀ Previous](#) [Submit ▶](#)

**Schedule**  
☒ Foreground  
☐ Background  
Schedule Name:   
Schedule Activity:   
Recurring Plan: ☐ Yes ☒ No  
Start Immediately: ☐ Yes ☒ No  
Start Time:  HH  MM  SS  

[◀ Previous](#) [Submit ▶](#)

# Role Update

Select the roles to be updated

## Role Mass Update

1

2

3

4

5

Select Roles
Select Criteria
Select Values
Scheduling
Confirmation

Previous
Next

### Select Roles

Add
Remove

Filter
Settings

<input type="checkbox"/>	Role Name	Description	Landscape	Role Type	Business Process	Subprocess	Application Type
<input type="checkbox"/>	<a href="#">ACC_12</a>	acc_description	SAP BRM Connector Group	Single Role	Materials Management	Inventory Reports	SAP
<input type="checkbox"/>	<a href="#">ACMIT_NEW</a>	ACMIT_NEW	NHR systems landscape	Single Role	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">ACMIT_ROLE21</a>	ACMIT_ROLE21	NHR systems landscape	Single Role	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">ACMIT_ROLE21_COPY</a>		NHR systems landscape	Single Role	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">ACMIT_ROLE22</a>	ACMIT_ROLE22	NHR systems landscape	Single Role	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">ACMIT_ROLE23</a>	ACMIT_ROLE23	NHR systems landscape	Single Role	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">ACMIT_ROLE24</a>	ACMIT_ROLE24	NHR systems landscape	Single Role	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">ACMIT_ROLE25</a>	ACMIT_ROLE25	NHR systems landscape	Single Role	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">AC S GI7 SD DRD3</a>	AC_S_GI7_SD_DRD3	SAP BRM Connector Group	Derived	Basis	Basis Subprocess 1	SAP
<input type="checkbox"/>	<a href="#">ALL_02</a>	ALL_02	SAP BRM Connector Group	PD profile	Cross Application	Cross application subprocess 1	SAP
<input type="checkbox"/>	<a href="#">CUP BROLE5</a>	CUP_BROLE5	Role Management Business Group	Business Role	Cross Application	Cross application subprocess 1	Business Roles
<input type="checkbox"/>	<a href="#">DOC_3</a>		ZRS Landscape Group	Single Role	Finance	Account Payable Transaction	SAP
<input type="checkbox"/>	<a href="#">FI SIN AC-SS_001</a>	Test	NHR systems landscape	Single Role	Finance	Account Payable Transaction	SAP
<input type="checkbox"/>	<a href="#">LDAP13</a>	LDAP13	LDAP_CG	Group	Cross Application	Cross application subprocess 1	LDAP
<input type="checkbox"/>	<a href="#">TEST</a>	TEST	SAP BRM Connector Group	PD profile	Cross Application	Cross application subprocess 1	SAP

Previous
Next

# Role Update

Select the attributes and its value for mass update and schedule job for update

**Role Mass Update** [Help](#)

1 Select Roles 2 Select Criteria 3 Select Values 4 Scheduling 5 Confirmation

Previous Next

**Select Criteria**

Attributes

Action

Reset Role Methodology: ☐ Yes ☒ No

Previous Next

# Role Update

**Role Mass Update**[Help](#)

12345

Select RolesSelect CriteriaSelect ValuesSchedulingConfirmation

◀ PreviousNext ▶

**Add Action**

☐ Push to backend system

Action

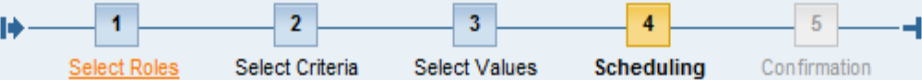
AddRemoveFilter Settings

Action	Description
SU01	User Maintenance

◀ PreviousNext ▶

# Role Update

**Role Mass Update**[Help](#)



1 Select Roles 2 Select Criteria 3 Select Values 4 Scheduling 5 Confirmation

◀ Previous Submit ▶


**Schedule** ☒ Foreground  
☐ Background

Schedule Name:

Schedule Activity:

Recurring Plan: ☐ Yes ☒ No

Start Immediately: ☐ Yes ☒ No

Start Time:  HH  MM  SS  

◀ Previous Submit ▶

# Derived Org Value Update

---

- The Derived Org value update allows the user to update the org values in a role, when the Org values are changed in the backend
- The Org values are typically maintained in Org Value maps. When the values change in the backend, the roles need to be updated with the new values
- One way to achieve this is to update the Org value maps and use that map to update the derived roles.

# Derived Org Value Update

- Select the org value map and impacted roles
- Schedule mass derived update job

**Mass Derived Roles Update**

1 2 3 4

Select Org.Value Map Impacted Roles Schedule Confirmation

Previous Next Finish

Map Name:

Leading Org. Level:

Value From:

Value To:

Consider Range for Values: ☐

Update Type:

☒ Merge Organizational field values

☐ Overwrite Organizational field values

**Mapped Organization Level Details**

Field	From

Previous Next Finish



# Derived Org Value Update

**Mass Derived Roles Update**

1

2

3


4

Select Org.Value Map    Impacted Roles    Schedule    Confirmation

Previous

Next

Finish

Map Name:   Org map for BUKRS 1000

Leading Org. Level: BUKRS

Value From: 1000

Value To: 3000

Consider Range for Values: ☐

Update Type: ☒ Merge Organizational field values  
☐ Overwrite Organizational field values

**Mapped Organization Level Details**

Field	From	To
EKORG	004	
KOART	A	D
SPART	03	
VKORG	900	
VKORG	600	
VKORG	700	
VTWEG	0001	
VTWEG	02	

Previous

Next

Finish

# Derived Org Value Update

## Mass Derived Roles Update



◀ Previous    Next ▶    Finish

View: [Standard View]    Print Version    Export

Role Name	Description	Landscape	Business Process	Subprocess	Master Role Name
<a href="#">DR1</a>		SAP BRM Connector Group	Basis	Basis Subprocess 1	<a href="#">Z AT DK R16</a>
<a href="#">DRM2</a>		SAP BRM Connector Group	Consolidation	Bank Consolidation	<a href="#">EC SAP SIN AUG26 R1</a>
<a href="#">DRM3</a>		SAP BRM Connector Group	Basis	Basis Subprocess 1	<a href="#">ATROLE1</a>
<a href="#">DRM5</a>		SAP BRM Connector Group	Finance	Accounts Receivable Transaction	<a href="#">A AT ROLE2</a>
<a href="#">DRM7</a>		SAP BRM Connector Group	Consolidation	Bank Consolidation	<a href="#">EC SAP SIN AUG27 R4</a>
<a href="#">EC SAP DER ROLE1</a>		SAP BRM Connector Group	Consolidation	Bank Consolidation	<a href="#">EC SAP SIN ROLE1</a>
<a href="#">IMP_ROLE01_D1</a>		SAP BRM Connector Group	Materials Management	Inventory Reports	<a href="#">IMP_ROLE01</a>
<a href="#">MM SAP DER SH01</a>		SAP BRM Connector Group	Finance	Account Payable Transaction	<a href="#">MM SAP SIN SH01</a>
<a href="#">MM SAP EP DER SH01</a>		SAP BRM Connector Group	Finance	Account Payable Transaction	<a href="#">MM SAP EP SIN SH01</a>
<a href="#">MM SAP MI DER SH01</a>		SAP BRM Connector Group	Basis	Basis Subprocess 1	<a href="#">MM SAP MI SIN SH01</a>

◀ Previous    Next ▶    Finish

# Derived Org Value Update

**Mass Derived Roles Update**

1

2

3

4

Select Org.Value Map

Impacted Roles

**Schedule**

Confirmation

Previous

Next

Finish

Schedule:

☐ Foreground

☒ Background

Schedule Name: \*

Schedule Activity: \*

Start Immediately: \* ☐ Yes ☒ No

Start Time: \*   HH  MM  SS

Previous

Next

Finish

# Mass Risk Analysis

Select the roles for which risk analysis has to be performed and schedule the job

[illegible]

# Mass Risk Analysis







## Mass Risk Analysis

☒ Background job scheduled for Role Mass Risk Analysis:05135600; click Close to return to main screen

Submit

### Select Roles

Add Remove

	Role Name	Description	Role Type	Landscape
	<a href="#">ACC_12</a>	acc_description	Single Role	SAP BRM Connector Group
	<a href="#">ACMIT_ROLE21</a>	ACMIT_ROLE21	Single Role	NHR systems landscape
	<a href="#">ACMIT_ROLE22</a>	ACMIT_ROLE22	Single Role	NHR systems landscape
	<a href="#">ACMIT_ROLE24</a>	ACMIT_ROLE24	Single Role	NHR systems landscape
	<a href="#">AC S GI7 SD DRD3</a>	AC_S_GI7_SD_DRD3	Derived	SAP BRM Connector Group

# Role Certification

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- Role Certification allows the Role owner to review and certify the role content on a periodic basis
- This is similar to User Access Review, except that, instead of user assignment, the role is certified
- Role certification attributes are defined in the Role Properties
- Certification period is defined in days
- Next certification is calculated based on the period and the last certification date
- After the defined days, an email reminder will be sent to Role Owner
- The reminder template can be customized in IMG

# Role Certification

Define Role

Additional Details

Details | **Properties** | Functional Area | Company | Custom Fields | Owners/Approvers | Prerequisite | Role Mapping

Certification

Certification Period in Days:

Next Certification:

Last Certified:

Certified By:

Comments History:

Properties

Critical Level:

Sensitivity:

Derivation Allowed:

Identifier:





# Role Comparison

**Role Comparison**

1

2

3

4

5

6

Select RolesComparison CriteriaComparison ResultsSynchronizationScheduleConfirmation

PreviousNextFinish

**Comparison Criteria**

Level

☒ Action  
☒ Permission

Type

☐ Compare roles in Access Control  
☒ Compare roles between Access Control and System

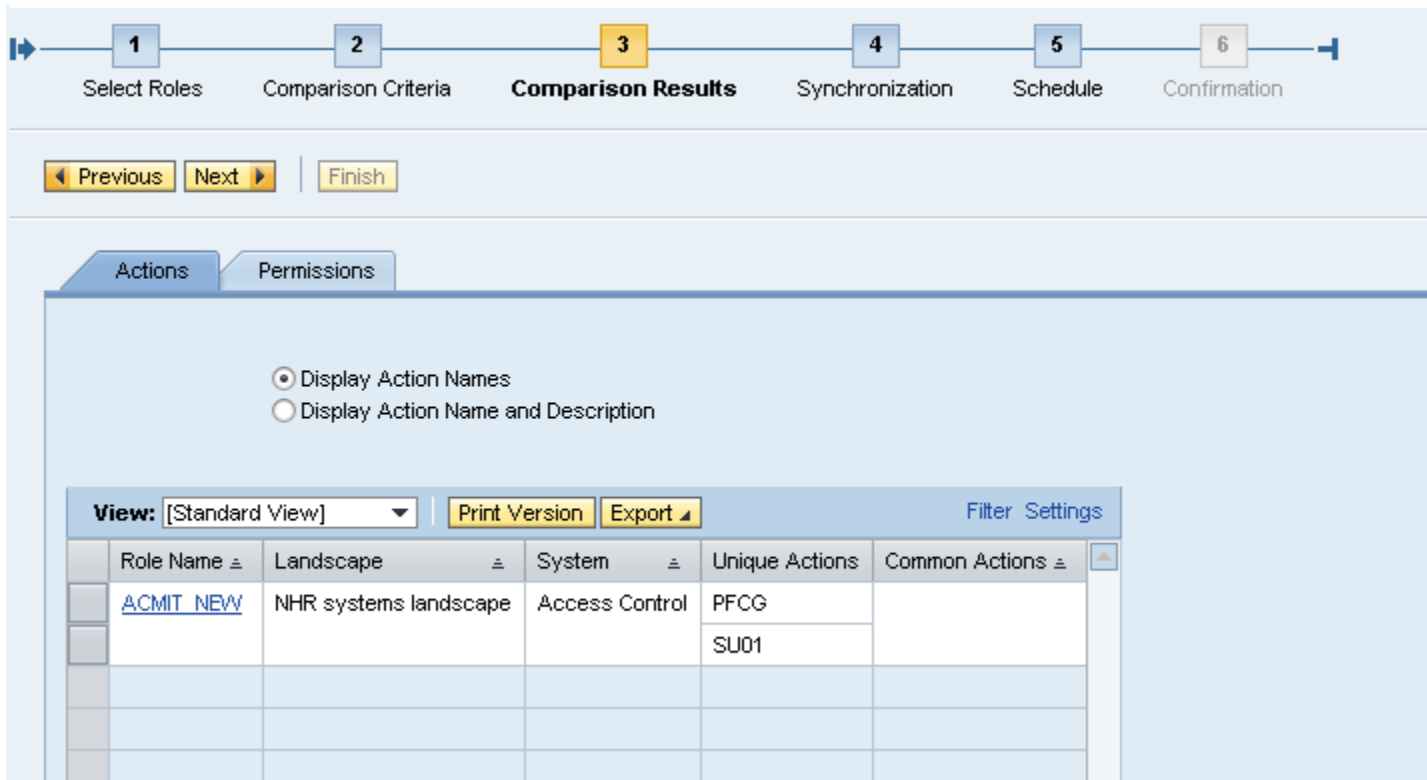
System

GF2CLNT200

PreviousNextFinish

# Role Comparison

Once the comparison results are displayed then roles can be synchronized



The image shows the SAP Role Comparison Wizard interface. At the top, a progress bar indicates six steps: 1. Select Roles, 2. Comparison Criteria, 3. Comparison Results (highlighted), 4. Synchronization, 5. Schedule, and 6. Confirmation. Below the progress bar are navigation buttons: Previous, Next, and Finish. The main content area has two tabs: Actions and Permissions. Under the Actions tab, there are two radio buttons: Display Action Names (selected) and Display Action Name and Description. Below the radio buttons is a table with columns: Role Name, Landscape, System, Unique Actions, and Common Actions. The table shows one row with the role 'ACMIT\_NEW' in the 'NHR systems landscape' system 'Access Control'. The 'Unique Actions' column lists 'PFCG' and 'SU01'. The 'Common Actions' column is empty. At the bottom of the table, there are buttons for 'View: [Standard View]', 'Print Version', 'Export', and 'Filter Settings'.

1 Select Roles 2 Comparison Criteria **3 Comparison Results** 4 Synchronization 5 Schedule 6 Confirmation

Previous Next Finish

Actions Permissions

☒ Display Action Names  
☐ Display Action Name and Description

View: [Standard View] Print Version Export Filter Settings

Role Name	Landscape	System	Unique Actions	Common Actions
<a href="#">ACMIT_NEW</a>	NHR systems landscape	Access Control	PFCG SU01	

# Role Comparison

Synchronization can be either from the backend or from Access Control and can be executed either in foreground or background

The screenshot displays the 'Synchronization' step of a six-step wizard. The steps are: 1. Select Roles, 2. Comparison Criteria, 3. Comparison Results, 4. Synchronization (highlighted), 5. Schedule, and 6. Confirmation. Navigation buttons include 'Previous', 'Next', and 'Finish'. Below the buttons, there is a 'View' dropdown set to 'Standard View', and 'Print Version' and 'Export' buttons. A table lists the roles being compared.

Role Name	Description	Landscape	Synchronization Type	Generate Profile
<a href="#">ACMIT_NEW</a>	ACMIT_NEW	NHR systems landscape	Access Control to System	Yes

# Role Comparison

◀ Previous   Next ▶   Finish

View: [Standard View]   Print Version   Export   Filter Settings

Role Name	Description	Landscape	Synchronization Type	Generate Profile	System
<a href="#">ACMIT_NEW</a>	ACMIT_NEW	NHR systems landscape	Access Control to System ▼	Yes	GF2CLNT200 ▼

➔ 1 2 3 4 5 6 ➔

Select Roles   Comparison Criteria   Comparison Results   Synchronization   **Schedule**   Confirmation

◀ Previous   Submit ▶

Schedule:

☐ Foreground

☒ Background

Schedule Name: \*

Schedule Activity: \*

Start Immediately: \* ☐ Yes ☒ No

Start Time: \*   HH  MM  SS

# Transaction Usage Report

By using Transaction usage reports, administrators will be able to identify the role usage pattern

## Action usage by user, role, and profile

### Analysis Criteria

Saved Variants:  [Delete](#)

System  is  GF2 200 ( GF2CLNT200 )    
Action Usage Date  is  21.07.2011    
Action  is  SU01    
Action Description  contains

Report By: ☒ User ☐ Role ☐ Profile

User ID  is  KAURHAR    
User Group  is     
Only display actions that are not used  is  ☐

Report Type: ☒ Actions Defined in Risks ☐ All

Access Risk ID  is     
Access Risk ID Description  contains

Save Variant as:  [Save](#)

[Run in Foreground](#) [Run in Background](#)

Result Set:  Result Set1

View:  [Standard View]  Display As:  Table  Format:  Summary

[Filter Setting](#)

System	Action	Action Description	User	User Name	Execution Count	Last Executed on
GF2CLNT200	NMBC	Launch NMBC	KAURHAR	Harleen Kaur	0	



# Thank You!

Contact information:

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