SAP SOLUTIONS FOR GOVERNANCE, RISK, AND COMPLIANCE

How-To Guide





# How To...Configure Integration of CUP with SPM

**SAP GRC Regional Implementation Group** 

Applicable Releases:

SAP GRC Access Control 5.3

Topic Area: GRC

#### Capability:

The Super User Privilege Management capability of GRC Access Control tool allows users to take responsibility of tasks outside their normal job function by assignment of Firefighter IDs to them. With integration between CUP and SPM, these Firefighter IDs can be provisioned by creating a request through CUP

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Type Style	Description
Example Text	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.
	Cross-references to other documentation
Example text	Emphasized words or phrases in body text, graphic titles, and table titles
Example text	File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.
<example text&gt;</example 	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

#### Icons

lcon	Description
$\mathbb{A}$	Caution
	Note or Important
~ <u>~</u>	Example
t	Recommendation or Tip



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# 1. Business Scenario

The purpose of this document is to outline the steps involved in the integration of Compliant User Provisioning and Super User Privilege Management capabilities of GRC Access Controls 5.3.

With this integration, Firefighter Ids can now be assigned to a user by creating a request in CUP and we may have owners and coordinators approving this request.

If the integration between CUP and SPM is configured, then the administrator does not need to go into the Firefighter application to assign FFID to a user.

# 2. Background Information

With the solution proposed in this document, we can assign an FFID to a user through CUP but before that administrator needs to make sure that the required FFID exists in the backend system.

Also make sure that the appropriate owner and controller is maintained for that FFID in the Firefighter application.

The Initial System data should be uploaded into CUP to ensure that the Super User Access request is available in the request types.

# 3. Prerequisites

- GRC Access Control 5.3 should be installed and configured.
- FFID has been created in backend and assigned the default "/VIRSA/Z\_VFAT\_FIREFIGHTER" role.
- Owners and coordinators have been maintained in the respective tables of SPM application in backend system.



# 4. CONFIGURATION

- With AC 5.3, CUP can now be configured to create requests for Super User Privilege Management.
- > Requests can be created for assignment of Firefighter IDs to Firefighters
- > As part of auto provisioning in CUP, firefighter ID is assigned to the user with validity period.
- > Audit trail and provisioning log is updated after provisioning
- Administrator has the ability to configure FFID owner and coordinator as part of workflow approvers.
- Ability to select an FFID and show the selected FFID in Approver Request details screen and Request review screen is also there.

## 4.1 Request Type

- 1. Once the post installation steps for CUP are done, Super User Access is available as a request type.
- 2. This can now be used to configure a workflow for SPM

101 120 10		nt User Provisioning		Welcome Harleen Kaur		Help   About   L	.og Off
My Work	Informer	Configuration					
Request Configu	ration	Request Configuration					
Request Type	rution -	Request Type					
Priority		RE_ROLE_APPROVAL	RE Role Approval	Request Type for Role Expert Role Content Approval	0	CUP	*
Application Con	figuration	E RISKC	Create Risk	Create Risk	0	CUP	*
Employee Type	Configuratio	RISKD	Delete Risk	Delete Risk	0	CUP	*
Number Ranges		E RISKU	Update Risk	Update Risk	0	CUP	*
Risk Analysis		CHANGE	Change Account	Changes to an Existing Account	1	CUP	*
Mitigation		SPM	SPM	SPM	1	CUP	*
Attributes		DELETE	Delete Account	Account Deletions	2	CUP	*
Service Level			Information	Information	3	CUP	*
Password Self-Se		LOCK	Lock Account	Locking Accounts	4	CUP	*
User Registration Custom Fields		I NEW	New Account	New Account	5	CUP	₩
End User Person	alization	UNLOCK	Unlock Account	Unlocking Accounts	6	CUP	*
Support	anzation	NEW_ACCT	New SAP Account	New SAP Account	7	CUP	Ŭ
Workflow		SUPER_USER_ACCESS	Superuser Access	Superuser Access	7	CUP	*
Request			Termination Request	Termination Request	9	CUP	*
Field Mapping			SOD Review	SOD Review	0	SOD Review	*
Approvers		UAR_REVIEW	User Access Review	User Access Review	0	User Access Review	*
User Review		Oursel Observe Delate	1				
Change Log		Create Change Delete					
Connectors							
Available Conn	ectors						
Create Connect	tors						
Authentication							
User Data Source							
HR Trigger							

# 4.2 Priority

1. Create priority for Super User Access requests as per the following screenshot:



Request Configuration       Indicate Configuration         Priority       Priority         Application Configuration       Implicit Priority         Semployee Type Configuration       Implicit Priority         Number Ranges       Mildiation Configuration         Risk Analysis       Implicit Priority         Attributes       Implicit Priority         Service Level       Implicit Priority         Password Self-Service       Implicit Priority         Service Level       Implicit Priority         Password Self-Service       Implicit Priority         Service Level				THERE THE THE THE	ricip traduct bog on
· Request Type       Priority         · Application Configuration       · Priority       Short Description       Description       Workflow         · Imployee Type Configuration       · HIGH       HIGH       CUP         · Number Ranges       · Midgation       CUP       CUP         · Risk Analysis       · Midgation       CUP       CUP         · Midgation       · Normal       Standard default Priority       CUP         · Service Level       · SoD_HIGH       SOD High       SOD High       SOD Review         · Service Level       · Service Level       · SoD_HIGH       UAR High       UAR High       User Access Review         · Service Level       · UAR -HIGH       UAR High       UAR High       UAR High       User Access Review         · Support       · UAR_HIGH       UAR High       UAR High       User Access Review         · Stage       · · · · · · · · · · · · · · · · · · ·	I H	and the second s	ration		
Priority       Short Description       Description       Workflow Type         • Application Configuration       Employee Type Configuration       HIGH       HIGH       HIGH       CUP         • Mumber Ranges       Miligation       Miligation       Miligation       CUP       Miligation         • Attributes       SoD_HIGH       SOD High       SOD High       SOD Review       CUP         • Service Level       SoD_HIGH       SOD High       SOD High       SOD Review       CuP         • Service Level       Som_HIGH       SPM_HIGH       SPM_HIGH       CuP       CuP         • Service Level       Som High       SOD High       SOD High       SOD Review       Sort Cess Review       Service Level       User Access Review       Service Level       User Access Review       Service Level       Som_HIGH       UAR High       UAR High       User Access Review       Service Level       Som_HIGH		Priority			
• Application Configuration               HIGH               HIGH               HIGH               CUP          • Number Ranges              MC_MIGHU               MITCTRL High             MITCTRL High             MITCTRL High               MITCTRL High               MITCTRL High               MITCTRL High               MITCTRL High               MITCTRL High               MITCTRL High               MITCTRL High               MITCTRL High               CUP               CUP               Mitgation               CUP               MItgation               SoD_HIGH             SOD High		F Priority	Short Description	Description	Workflow Type
<ul> <li>Employee Type Configuration</li> <li>Number Ranges</li> <li>Number Ranges</li> <li>Normal</li> <li>Standard default Priority</li> <li>CUP</li> <li>RS_HIGH</li> <li>High</li> <li>High High Priority for Create/Modify CC Risk</li> <li>RS_HIGH</li> <li>SOD_HIGH</li> <li>SOD_HI</li></ul>		HIGH	HIGH	HIGH	CUP
Risk Analysis          Risk Analysis       Risk Analysis       Risk Analysis       Risk       Risk         Mitigation       Attributes       SOD_High       SOD High       SOD High       SOD Review         Attributes       Service Level       Password Self-Service       UAR_HIGH       UAR_High       UAR High       UAR High       User Access Review         Password Self-Service       User Registration       User Registration       User Access Review       User Access Review         Support       User Nersonalization       User Access Review       User Access Review       User Access Review         Vorkflow        Image: Cance Image: Canc		MC_MIGH	MITICTRL High	MITICTRL High	Mitigation Control
Miligation       SoD High       SoD High       SoD High       SoD High       SoD Review         Attributes       Service Level       Image: Son High       SoD High       SoD High       SoD Review         Password Self-Service       User Registration       Image: Son High       UAR High       UAR High       User Registration         Support       User Personalization       Image: Son Approver Determines       Image: Son Approver Determines       Image: Son Approver Determines       Image: Son Approver Determines         • Stage       • Path       Detet       Sone Cancel       Image: Sone Cancel       Image: Sone Cancel         • Auto Provisioning       • Auto Provisioning       • Enail Reminder       • Enail Reminder       • Enail Reminder       • Enail Reminder         • Stage       • Auto Provisioning       • Enail Reminder       • Enail Reminder       • Enail Reminder       • Enail Reminder         • Stage       • Auto Provisioning       • Enail Reminder       • • • • • • • • • • • • • • • • • • •	Number Ranges	T NORMAL	Normal	Standard default Priority	CUP
Attributes       Sout_not       Sout_not       Sout_not       Sout_not       Sout_not         • Service Level       Password Self-Service       UAR_HIGH       SPM_HIGH       CUP         • User Registration       • UAR_HIGH       UAR_High       UAR_High       User Access Review         • Custom Fields       • • • • • • • • • • • • • • • • • • •	<ul> <li>Risk Analysis</li> </ul>	RS_HIGH	High	High Priority for Create/Modify CC Risk	Risk
Service Level Password Self-Service User Registration Custom Fields End User Personalization Support Workflow i Initiator Custom Approver Determine Stage Path Detour/Fork Email Reminder Escape Route Auto Provisioning	Mitigation	SOD_HIGH	SOD High	SOD High	SOD Review
Password Self-Service     Uver Right     Uver Right     Uver Right     Uver Right     Uver Right       User Registration     Image: Control of the service       Custom Fields     Image: Control of the service       Support     Image: Control of the service       Support     Image: Control of the service       Image: Control of the service     Image: Control of the service     Image: Control of the service     Image: Control of the service       Image: Control of the service     Image: Control of the service     Image: Control of the service     Image: Control of the service       Image: Control of the service     Image: Control of the service     Image: Control of the service     Image: Control of the service       Image: Control of the service     Image: Control of the service     Image: Control of the service     Image: Control of the service       Image: Control of the service     Image: Control of the service     Image: Control of the service     Image: Control of the service       Image: Control of the service     Image: Control of the service <td>Attributes</td> <td>SPM_HIGH</td> <td>SPM_HIGH</td> <td>SPM_HIGH</td> <td>CUP</td>	Attributes	SPM_HIGH	SPM_HIGH	SPM_HIGH	CUP
User Registration	Service Level	UAR HIGH	UAR High	UAR High	User Access Review
Custom Fields       End User Personalization       Support       * Workflow       • Initiator       • Custom Approver Determina       • Stage       • Path       • Debru/Fork       • Email Reminder       • Escape Route       • Auto Provisioning	Password Self-Service				
End User Personalization Support • Workflow • Initiator • Custom Approver Determina • Stage • Path • Detour/Fork • Email Reminder • Stage Route • Enail Reminder • Stage Route • Auto Provisioning	User Registration				
Support   Workflow   Initiator   Custom Approver Determina   Stage   Path   Detour/Fork   Email Reminder   Escape Route   Auto Provisioning	Custom Fields				
• Workflow     • Initiator       • Linitiator       • Custom Approver Determina       • Stage       • Path       • Detour/Fork       • Email Reminder       • Escape Route       • Auto Provisioning	End User Personalization				
Initiator     Custom Approver Determina     Stage     Path     Detour/Fork     Email Reminder     Escape Route     Auto Provisioning	Support				
Custom Approver Determine     Stage     Path     Determine     Email Reminder     Escape Route     Auto Provisioning	- Workflow				
Stage     Path     Delotur/Fork     Email Reminder     Stage Route     Auto Provisioning	Initiator				
<ul> <li>Path</li> <li>Detein/Fork</li> <li>Email Reminder</li> <li>Escape Route</li> <li>Auto Provisioning</li> </ul>					
Detour/Fork     Create Change Delete Save Cancel     Email Reminder     Escape Route     Auto Provisioning					
Email Reminder     Escape Route     Auto Provisioning		Create Change	Delete Save Ca	ncel	
Escape Route     Auto Provisioning					
Auto Provisioning					
	CUA System				

2. This is an optional step and is necessary only if you want to create initiator based on this priority.

## 4.3 WORKFLOW

- 1. Create Initiator with Attributes request type as Superuser Access and desired priority.
- 2. Initiator can be configured to have any attributes and this is just one of the examples.

SAP			Access C						SAP Net
My Work	Informer		er Provision	ing		Wel	come Harleen Kaur	Help I Abo	ut I Log Off
NY WORK		0	ge Initiator						
Request Configur	ation		- All and a proposition of the						
Request Type		Initiate							
Priority		Name			SPM_INIT				
Application Cont     Employee Type		Short Descrip	ption*		SPM_INIT				
Number Ranges		Descri	ption		SPM_INIT				
<ul> <li>Risk Analysis</li> <li>Mitigation</li> </ul>		Workfl Type*	ow		CUP	Ŧ			
Attributes		Select	Attributes						
Service Level		Condit	personal second second		AND	•			
Password Self-Ser	rvice								
User Registration		Attribu			Select	•			
Custom Fields		Value*		R					
End User Persona	lization	Add A	Attribute						
<ul> <li>Support</li> <li>Workflow</li> </ul>		-	]:						1211
<ul> <li>Initiator</li> </ul>			Attributes			1 ALCONOMICS		and the second se	Filter
Custom Approv	er Determina		Condition AND			Attribute		Value SPM HIGH	
Stage			10.5.935			Priority			
Path			AND			Request Type		Superuser Access	
<ul> <li>Detour/Fork</li> </ul>			1						
Email Reminder									
<ul> <li>Escape Route</li> <li>Auto Provisionir</li> </ul>	20								
CUA System	·9								
SMTP Server									
<ul> <li>Request</li> </ul>									
Administration									
Archiving									
Stale Requests		H H	1/1 - P F						
<ul> <li>Field Mapping</li> <li>Approvers</li> </ul>									
<ul> <li>User Review</li> </ul>		Save	Delete Ca	incel					
<ul> <li>Change Log</li> </ul>	*								



3. Create a CAD for SPM with varied attributes, as an example request type and priority. Alternatively, you may also have Super User Access Owner or Super User Access Coordinator as the approvers for SPM requests.

My Work Informer	ant User Provisioning Configuration		Help I About I Log Off
н .	Change Approver Determinator		
Request Configuration     Request Type	Approver Determinator		
Hority     Application Configuration     Employee Type Configuratio     Number Ranges     Risk Analysis     Miligation	Name: SPN		
	Short Description*: SPN		
	Description: SPN		
	CAD Type*		
	N		
Attributes	Workflow Type* K		
Service Level	Select Attributes		
Password Self-Service	AE LICENSE DATA	C Application	
User Registration	E Business Process	Company	
Custom Fields	Employee Type	Functional Area	
End User Personalization	Euroctional Area of Bole	Mitigated Org. Rule of Risk	
Support Workflow	Priority	Request Type	
Initiator	Role		
- Custom Approver Determina	27		
Stage	Select Role Attributes		
Path     Detour/Fork	Application of Role	Business Process of Role	
Email Reminder	Company of Role	Critical Level of Role	
Escape Route	LICENSE DATA	Role Type	
Auto Provisioning	Sub Business Process of Role		
CUA System     SMTP Server			
Request			

- 4. Create stage and path for SPM requests as per the following screenshots. You may have any number of stages with desired approvers and other configurations.
- 5. Associate the path with the initiator created for SPM requests.

Complia	ant User Provisioning		Welcome Ha	rleen Kaur		Help I About I Log Off
My Work Informer	Configuration					
Request Configuration	Stage Configuration					
Request Type     Priority     Application Configuration     Employee Type Configuratio     Number Ranges     Risk Analysis	Stage Details Name* Short Description* Description Workflow Type* Approver Determinator*	SPM_STAGE1 SPM_Stage1 SPM_Stage1 CUP SPM CAD				
Mitigation     Attributes     Service Level     Password Self-Service	Request Wait Time (Days) Request Wait Time (Hours) Escalation Configuration	0	× ×			
User Registration     Custom Fields	Notification Configuration					
End User Personalization     Support     Workflow	Approved Escalated Request Rejected	I User I User I User I User	I Requestor I Requestor I Requestor	I⊽ Manager I⊽ Manager I⊽ Manager	Other Approvers  Other Approvers  Other Approvers  Other Approvers	
Initiator     Custom Approver Determina     Stage		d Escalation Next Ap t approver for request id : #	and the second se	28	PRI	
Path     Detour/Fork     Email Reminder	CALL COLD AND DOCUMENTS	the second and discovering a	▼ [Size]   律 律 ▲ 参   □ [EMail Arg	10000000000000000000000000000000000000		
Escape Route     Auto Provisioning     CUA System     SMTP Server     Request     Administration     Archiving     Stale Requests     Field Mapping     Approvers	You are the	next approver for r	equest id : #_!REQUES	TNUMBER#_!		
User Review						
Change Log	Additional Configuration					



Name*	lame* Sho <sup>T</sup> Description*		Description	Workflow Type*	Number of Stages*	Initiator*		Active	Detou
PATH_SPM	PATH_SPM		PATH_SPM	CUP	• 1	SPM_INIT	•	V	Γ
Path Definition for	Path:								
Stage No. 🎤	Stage	Approver De	eterminator						
Stage 1 S	PPM_STAGE1	SPM_CAD							
Create Chang	ge Delete S	ave Cancel							

## 4.4 Usage

- 1. End user can see the Super user Access request option on the Requestor landing page.
- 2. Once the user selects this option and creates a request, the usual request workflow is followed and provisioning of FF Id is done in the backend.

	Request Access:
Request Access	
Request Status	
Support	
User Logon	Welcome to the Request Access page
interested - ded	Help is available for each link; click the link located on the top of this page
	Change Account: You can request changes to existing account using this link. You can request additional access and other changes to an account such as account validity and so on
	• SPM: SPM
	Delete Account: You can use this link to request deletion of accounts from various systems. You can also request mass deletion of accounts
	Information: Does not know which link to select from above? Click this link for information about what access you need
	Lock Account: You can use this link to request locking of accounts in various systems. You can also request mass locking of accounts
	New Account: Use this link to request new accounts and Roles/Responsibilities/Structural Profiles
	Unlock Account: You can use link to request unlocking of accounts. You can also request mass unlocking of accounts
	Superuser Access: You can use a link to request Superuser Access
	Termination Request: To request terminations, submit a request
	Password Self-Service Use this link to reset or request to change the password

