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How-To Guide

How To... Configure Training and Verification System in CUP

SAP GRC Regional Implementation Group

Applicable Releases:

SAP GRC Access Control 5.3

Topic Area:

GRC

Capability:

Compliant User Provisioning Capability of GRC AC 5.3 can now be configured for Training and verification systems to verify if a particular role can be assigned to a user or not

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1. Business Scenario

As part of business requirement, a user may have to go through some training while requiring access to operate certain critical transactions. To cater to this requirement; CUP has the functionality for configuring Training and Verification systems. It enables the customers to write their own implementation of the verification process for assigning a role.

2. Background Information

The solution proposed in this document enables users to configure Integration of CUP and the corresponding Training and Verification systems. Customers can write a custom webservice implementation wrapper over their training system to enable the Compliant User Provisioning application to communicate and verify if the User who is requesting the role has attended that training or not.

Training verification can be configured at role level for multiple training systems. These training and verification systems validate if a user has gone through certain trainings and based on that it provisions roles to users.

3. Prerequisites

- SAP GRC Access Control 5.3 should be installed and configured.
- The required Training and Verification system should be in place.

4. Key Features and Configurations

- Ability to configure and verify with more than one Verification/Training system per Role.
- Ability to verify on request submission
- Verify on Submit – configurable at Role-Verification system level.
- Ability to set up verification/training as a detour condition.
  - Verification/Training Failed : Request Level Detour condition :

    If this detour condition is satisfied (verification failed), the complete request will be detoured to the new path
  - Roles with Verification/Training Failed : Request will split into 2 paths :

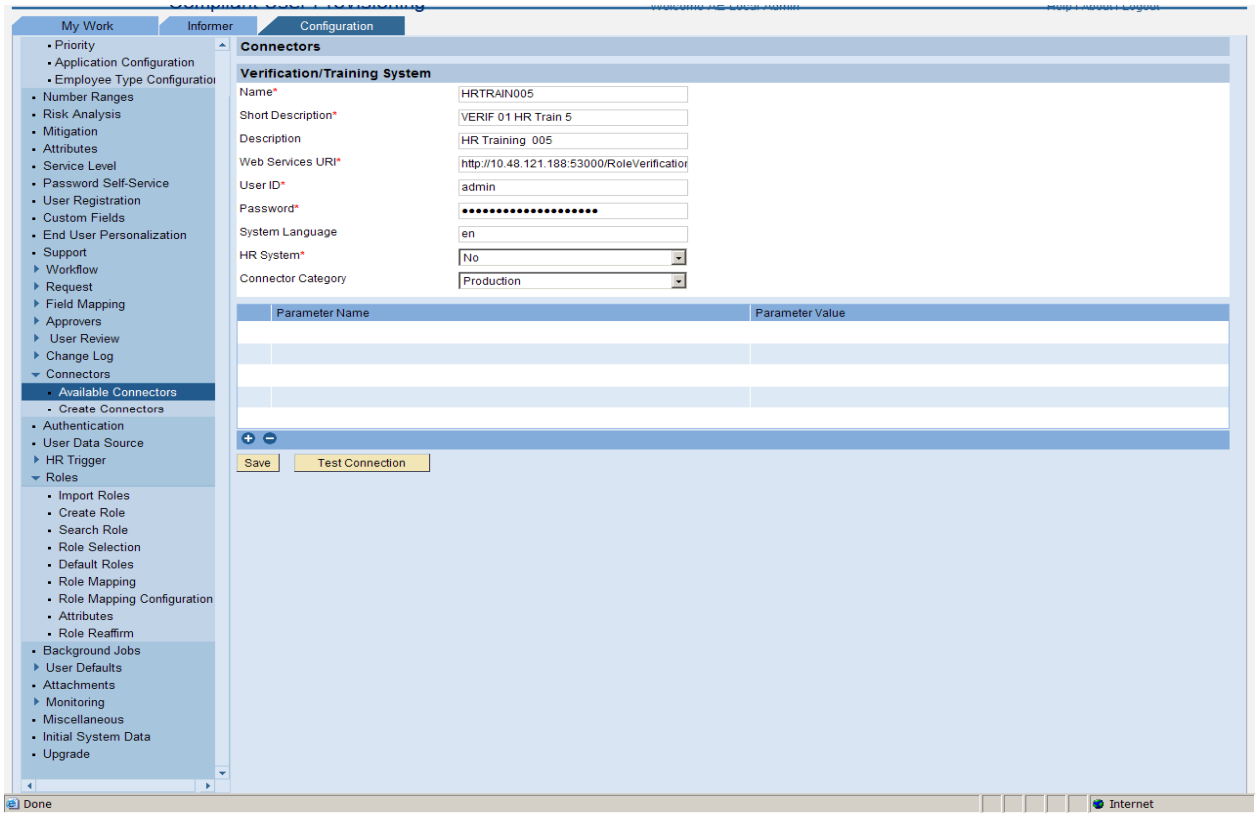
    Roles for which the detour condition is satisfied (verification failed) will be detoured to the new path, other roles will take the main path
- Only Roles that are configured for verification will be evaluated.
- Ability to enable/disable verification system per role

4.1 Web service Implementation

1) Once the web service for training and verification system is in place; create a connector for Training and Verification system.
2) As part of web service implementation, the training and verification check will be performed during Request Submission and a detour will be configured for it.
3) While creation of request, roles are requested for which training and verification is required.
4) If web service fails then detour will be followed.

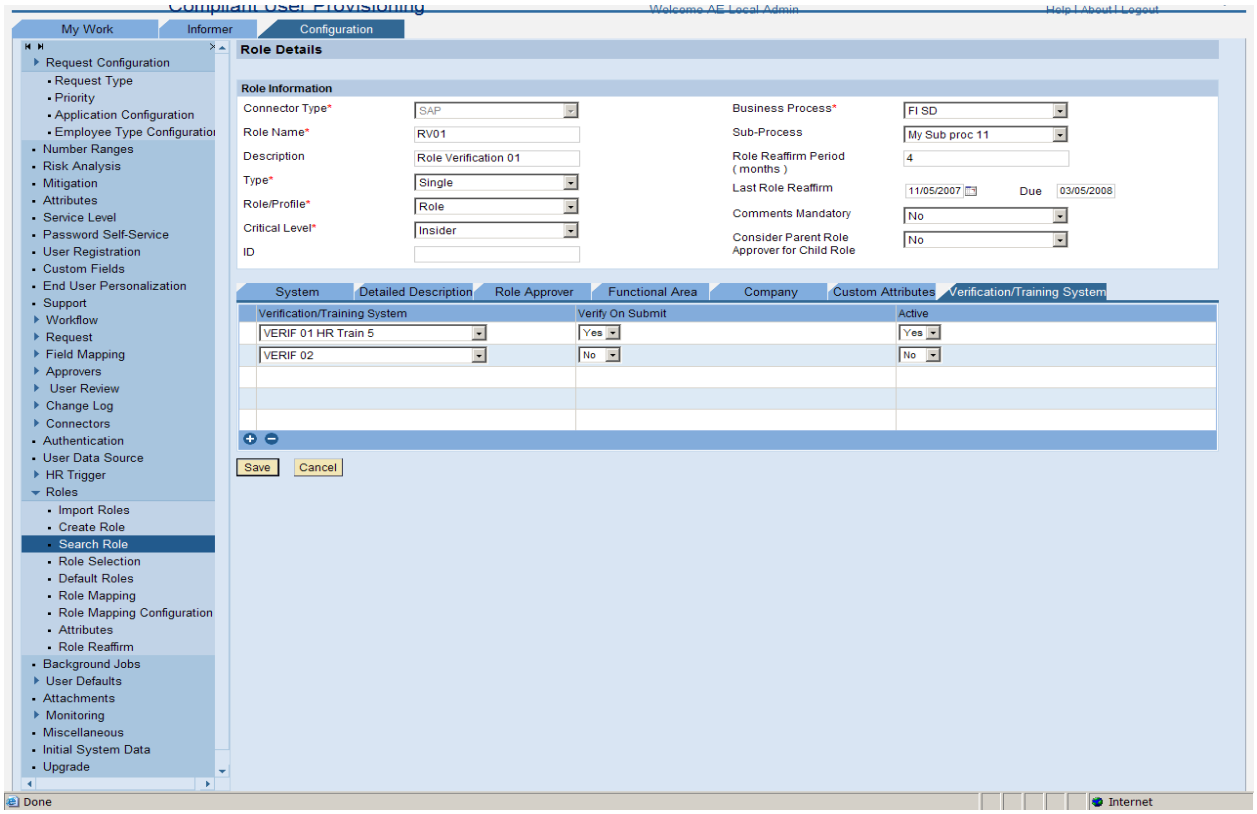
4.2 Connector configuration for Training and Verification system

1) From the Create Connector option of CUP, Create the connector with required parameters.

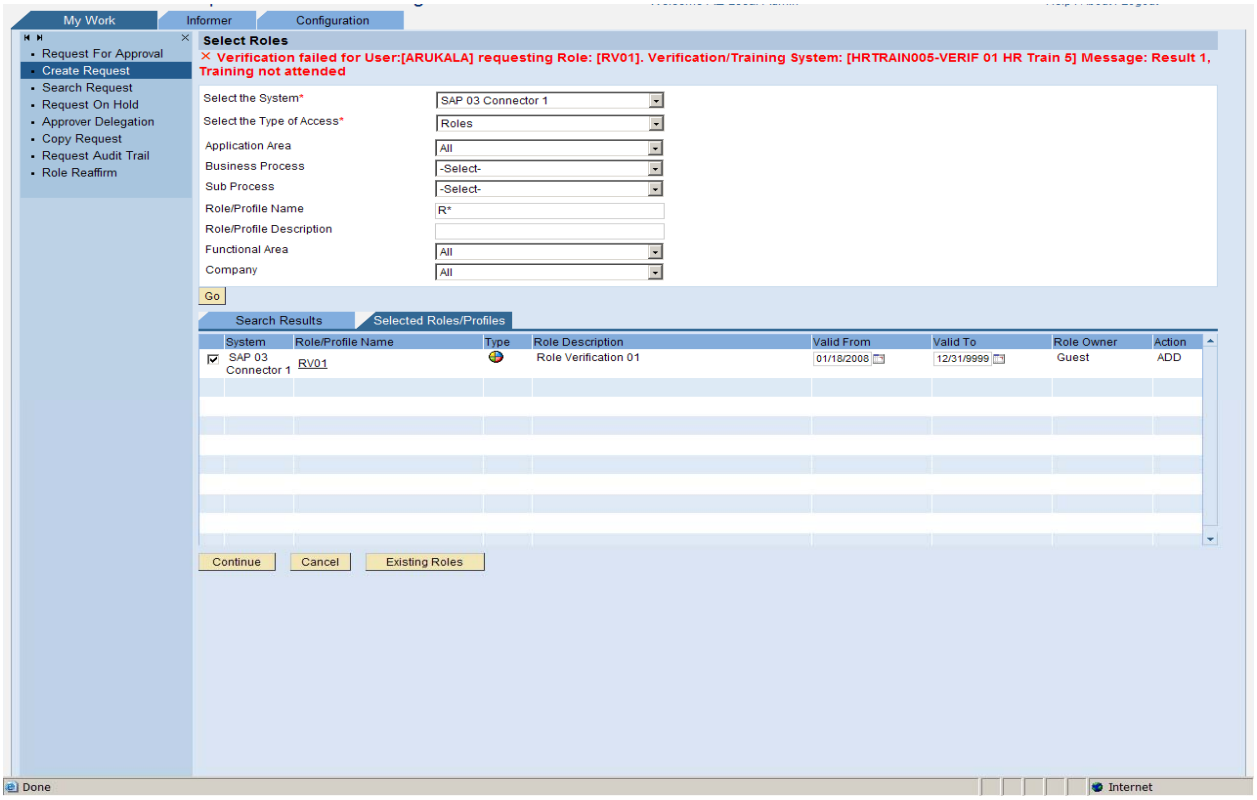


4.3 Associate connectors to roles

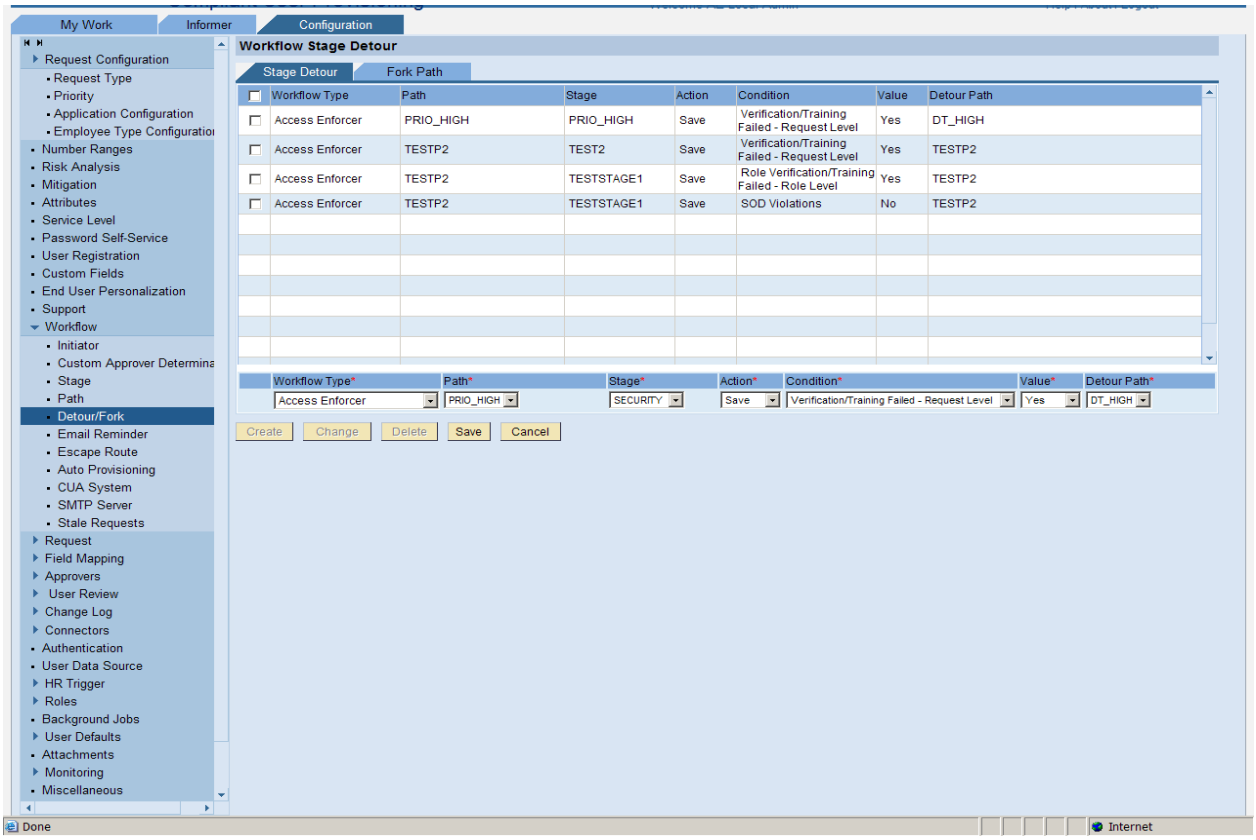
1. Associate Training connectors to the roles that require training verification



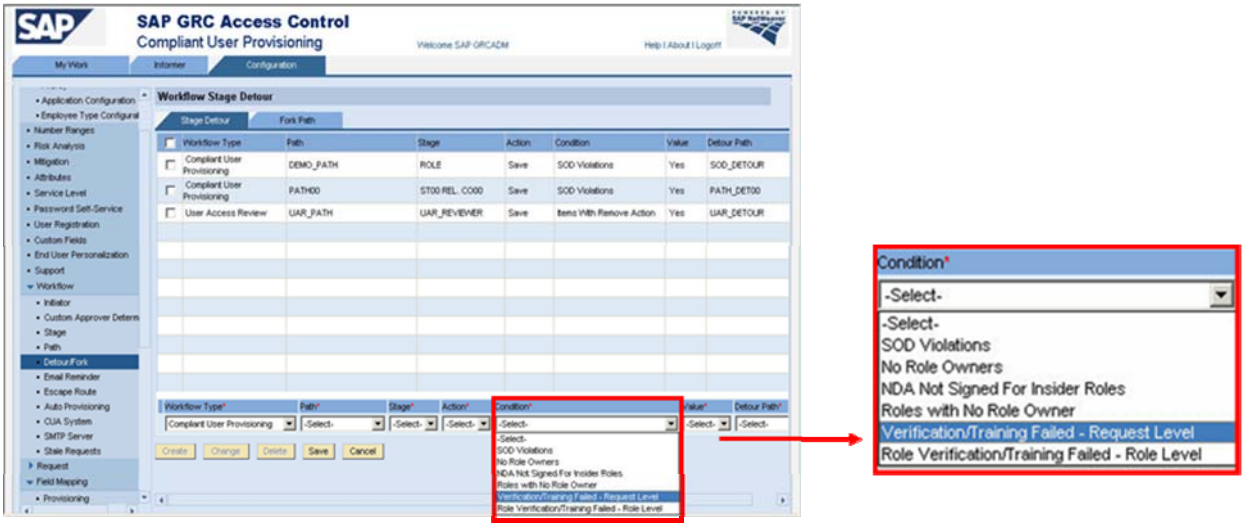
4.4 Verify On Submit – If Training and verification fails during request submission.



4.5 Detour Configuration: If training and verification fails.



- **Verification/Training Failed - Request Level**
  - **The entire request follows the detour**
- **Role Verification/Training Failed – Role Level**
  - **The request will split with only failed roles following the detour**
  - **The other roles continue on the main path**



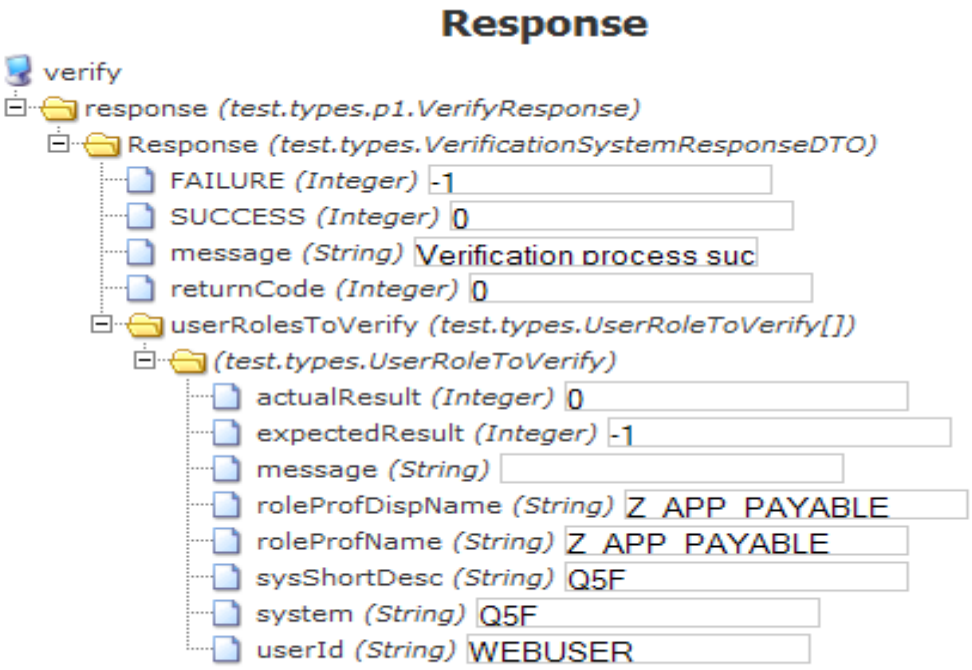
4.6 Technical Definition for the Web Service to be implemented by Customers / Partners:

INPUT:

GRC will provide the request data and roles to verify as input to the customer web service and using these details web service should verify and set the response for each role that is verified.

REQUEST

verify
- parameters *(test.types.p1.Verify)*
  - verificationRequest *(test.types.VerificationSystemRequestDTO)* NULL
    - applications *(test.types.ApplicationDTO[])* SKIP
      - *(test.types.ApplicationDTO)* NULL
        - altApproverId *(String)* SKIP
        - altApproverName *(String)* SKIP
        - applicationType *(String)* SKIP
        - approverId *(String)* SKIP
        - approverName *(String)* SKIP
        - client *(String)* SKIP
        - description *(String)* SKIP
        - shortDesc *(String)* SKIP
        - sysId *(String)* SKIP
    - bussProc *(String)* SKIP
    - company *(String)* SKIP
    - customFields *(test.types.CustomFieldDTO[])* SKIP
      - *(test.types.CustomFieldDTO)* NULL
        - dataType *(String)* SKIP
        - fieldLabel *(String)* SKIP
        - fieldName *(String)* SKIP
        - fieldValue *(String)* SKIP
    - dueDate *(java.util.GregorianCalendar)* 2008-02-25T07:00:18.042 SKIP
    - employeeType *(String)* SKIP
    - functionalArea *(String)* SKIP
    - location *(String)* SKIP
    - managerId *(String)* SKIP
    - priority *(String)* SKIP
    - reqNo *(String)* SKIP
    - requestCategory *(String)* SKIP
    - requestDate *(java.util.GregorianCalendar)* 2008-02-25T07:00:18.042 SKIP
    - requestType *(String)* SKIP
    - requestorId *(String)* SKIP
    - workflowStatus *(String)* SKIP
  - userRolesToVerify *(test.types.UserRoleToVerify[])* NULL
    - *(test.types.UserRoleToVerify)* NULL
      - actualResult *(Integer)* 0
      - expectedResult *(Integer)* 0
      - message *(String)* SKIP
      - roleProfDispName *(String)* SKIP
      - roleProfName *(String)* SKIP
      - sysShortDesc *(String)* SKIP
      - system *(String)* SKIP
      - userId *(String)* SKIP

OUTPUT

The Customer/Partner web service must return the result in the following format.