

Recertification

Recertification

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Introduction to Recertification

What is Recertification?

The Recertification addon provides the functionality to review access rights to make sure the users have access only to what they need. This process increases security and makes the recertification process auditable and compliant.

Soffid uses this functionality to mitigate access risk, reduce review times, and reduce the cost.

Recertification allows you to take immediate action to correct inconsistent or unauthorized permissions to prevent unwarranted access. These changes will be implemented in real-time with your IAM provisioning solution on the source systems.

Soffid will use three different concepts:

- 1. Recertification policies:** to determine the type and scope of the recertification process and the users involved in it.
- 2. Recertification campaign:** to identify the groups and information systems to look for roles or accounts to recertify.
- 3. Recertification to do:** worklist with the pending recertification to do.

Features

- * Mitigates access risks.
- * Reduces review times.
- * Enacted changes in real-time.
- * Correct inconsistent or unauthorized permission.

How to install Recertification in Soffid

Installation

Download

Please download the Soffid Recertification add-on.

You could download it at the following link <http://www.soffid.com/download/enterprise/> if you have a Soffid user with authorization, or in the following <http://download.soffid.com/download/> by registering.

Upload

1. Once the Recertification add-on is downloaded, please log in to IAM Console.

You need to be an administrator user of the Soffid console or a user with permission to upload addons.

It is recommended to upload the addons to the master, this is the way to maintain updated all, master and tenants if there are.

2. In the Soffid console, please go to:

Main Menu > Administration > Configure Soffid > Global Settings > Plugins

3. Then, click the add button (+) and pick the file and Soffid will upload the addon file.

For more information visit the [Addons Getting started](#) page.

4. Finally, when the addon is installed, it will be required to restart the Soffid Console.

5. Once the Soffid console is restarted, you could check the plugin was uploaded properly on the plugins page:

Main Menu > Administration > Configure Soffid > Global Settings > Plugins

6. To begin the recertification process a user with SOFFID_ADMIN permission must start it.

Recertification

Recertification policies

Description

Soffid allows you to establish some policies to define the scope of the recertification process.

Menu option

Main Menu > Administration > Configuration > Security settings > Recertification policies

Screen overview

Main Menu > Administration > Configuration > Security settings > Recertification policies ◀ 7 / 7

Name :	sharedAccountEntitlements
Type :	Shared account entitlements
Filter :	Filter
Step 1 expression :	<pre>account = serviceLocator.getAccountService().findAccountById(grant.accountId); StringBuffer sb = new StringBuffer(); for (owner : account.ownerUsers) { if (sb.length() > 0) sb.append(", "); sb.append(owner.fullName); }</pre>
Step 2 expression :	<pre>account = serviceLocator.getAccountService().findAccountById(grant.accountId); StringBuffer sb = new StringBuffer(); for (owner : account.ownerUsers) { if (sb.length() > 0) sb.append(", "); sb.append(owner.fullName); }</pre>
Step 3 expression :	Step 3 expression
Step 4 expression :	Step 4 expression
Mail template :	Dear \${fullName} Follow this link to complete the review process

Undo Apply changes

Custom attributes

- **Name:** name to identify the policy
- **Type:** list of available recertification types.
 - **User entitlements:** the recertification process will be conducted to review user access rights.
 - **Role definitions:** the recertification process will be conducted to review the relationship between roles.

- **Share account entitlements:** the recertification process will be conducted to review access rights to shared accounts.
- **Filter:** this allows you to define a script to identify the grant list to which to apply the recertification process. The **grant object** (*1) is always available. You can use the Enumeration SoDRisk to compare:
 - **SOD_LOW**
 - **SOD_HIGH**
 - **SOD_FORBIDDEN**
 - **SOD_NA**
- **Step 1 expression:** this allows you to define a script to determine who is or are in charge to approve or deny the recertification process in the first level.
- **Step 2 expression:** this allows you to define a script to determine who is or are in charge to approve or deny the recertification process after the first level of approval.
- **Step 3 expression:** this allows you to define a script to determine who is or are in charge to approve or deny the recertification process after the second level of approval.
- **Step 4 expression:** this allows you to define a script to determine who is or are in charge to approve or deny the recertification process after the third level of approval.
- **Mail Template:** this allows you to define a template to send an email to the people in charge to approve or deny. Be in mind, that to work fine, the review process link must be `${url}`

(*1) **grant object** is a [com.soffid.iam.api.RoleAccount object](#).

Examples

Some sample scripts for the filters and approval steps are shown below

Filter

Return all grants with risk.

```
return grant.sodRisk != null
&& grant.sodRisk != es.caib.seycon.ng.comu.SoDRisk.SOD_NA;
```

Steps

```
account = serviceLocator.getAccountService().findAccountById( grant.accountId);
StringBuffer sb = new StringBuffer();
```

```

for (owner : account.ownerUsers) {
    if (sb.length() > 0)
        sb.append(" ");

    sb.append(owner);
}
if (sb.length() > 0)
    return sb.toString();
else
    return "admin";

```

```

com.soffid.iam.api.Role role =
serviceLocator.getApplicationService().findRoleByNameAndSystem(grant.roleName, grant.system);
StringBuffer sb = new StringBuffer();
List owners = role.getAttributes().get("owner");
if (owners != null) {
    for (owner : account.ownerUsers) {
        if (sb.length() > 0)
            sb.append(" ");

        sb.append(owner);
    }

    if (sb.length() == 0)
        return "admin";
    else
        return sb.toString();
}

```

Mail template

JavaScript Editor

Paragraph


Link URL

✓

✗

Dear \${fullName},

Follow this link to complete the [review process](#)



Actions

Recertification policies query

Add new	<p>Allows you to add a new Recertification policy. You can choose that option on the hamburger menu or click the add button (+).</p> <p>To add a new it is necessary to fill in the required fields.</p>
Delete	<p>Allows you to remove one or more Recertification policies by selecting one or more records and next clicking the button with the subtraction symbol (-).</p> <p>To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.</p>
Import	<p>Allows you to upload a CSV file with the Recertification policies to add or update the attribute definition to Soffid. First, you need to pick up a CSV file, that CSV has to contain a specific configuration. Then you need to check the content to be loaded, it is allowed to choose if you want or not to load a specific attribute. And finally, you need to select the mappings for each column of the CSV file to import the data correctly and click the Import button.</p>
Download CSV file	<p>Allows you to download a CSV file with the basic information of all Recertification policies.</p>
Add or remove columns	<p>Allows you to show and hide columns in the table. You can also set the order in which the columns will be displayed. The selected columns and order will be saved for the next time Soffid displays the page to the user.</p>

Recertification policies details

Apply changes	<p>Allows you to save the data of a new policy or to update the data of a specific policy and quit. To save the data it will be mandatory to fill in the required fields.</p>
Save	<p>Allows you to save the data of a new policy or to update the data of a specific policy. To save the data it will be mandatory to fill in the required fields.</p>
Delete	<p>Allows you to remove a specific policy. You can choose that option on the hamburger icon.</p> <p>To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.</p>
Undo	<p>Allows you to quit without applying any changes.</p>

<https://download.soffid.com/doc/console/latest/uml/es/caib/seicon/ng/comu/SoDRisk.html>

Recertification campaigns

Description

Soffid allows you to define new campaigns to review the users' access rights and to assign who has to recertify or revoke their entitlements.

You can create a campaign related to a previously defined recertification policy. Depending on the policy type selected, you will have to fill in some required information to create a new campaign.

To create a new campaign, will be mandatory that one or more accounts for recertification exist.

When a campaign is created, the initial status will be **Preparation**. This status will change to **Active** automatically. The **Finished** status will be when the proper users approve or deny the recertifications

Menu option

Main Menu > Administration > Resources > Recertification campaigns

Screen overview

soffid

Search

?

⚙

Main Menu > Administration > Resources > Recertification campaigns
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Name :

campaign25

Start date :

5/25/22, 11:43 AM

Finish date :

5/25/22, 11:47 AM

Status :

Finished

Groups

Group	Status	% done
Filter	Filter	Filter
marketing	Finished	100

Displayed rows: 1

Applications

Application	Status	% done
Filter	Filter	Filter
Operation/RemoteSystem	Preparation	

Displayed rows: 1

Show details

	Group	User	Entitlement	Previous endorsement	Pending e...	Comments
	Filter	Filter	Filter	Filter	Filter	Filter
<input type="checkbox"/>	marketing	Elizabeth Taylor	TEST RECERTIFICACIÓN	<div>frank - Frank Sinatra 5/25/22, 11:44 AM</div> <div>bob - Bob Dylan 5/25/22, 11:45 AM</div>		Frank Sinatra:
<input type="checkbox"/>	marketing	Lauren Bacall	TEST RECERTIFICACIÓN	<div>frank - Frank Sinatra 5/25/22, 11:46 AM</div> <div>bob - Bob Dylan 5/25/22, 11:47 AM</div>		Frank Sinatra:

Custom attributes

Basic

- **Name:** name to identify the campaign.
- **Template:** select the policy that will be applied. That has to be defined previously on the [Recertification policies page](#).
- **Groups:** list of user groups where the campaign will be applied. You can choose one or more.
- **Information Systems:** list of information systems where the campaign will be applied. You can choose one or more.

Others

- **Start date:** date and time when the campaign started. This field is generated automatically.
- **Finish date:** date and time when the campaign finished. This field is generated automatically.
- **Status:** recertification campaign process status. Three statuses are available:
 - **Preparation:** it is the first status when the campaign is created.
 - **Active:** it is the status when the recertification campaign is ready to be applied.
 - **Finished:** it is the status when the recertification campaign ends.
- **Groups:** users groups list to which the campaign will be applied.
 - **Group name**
 - **Status**
 - **% done**
- **Applications:** application list to which the campaign will be applied.

- **Application name**
- **Status**
- **% done**
- **Group members:** list of users who belong to the selected group.
 - **Active**
 - **User**
 - **Creation date**
 - **Status**
 - **Step 1**
 - **Step 2**
 - **Step 3**
 - **Step 4**

Actions

Recertification campaigns query

Add new	<p>Allows you to add a new Recertification policy. You can choose that option on the hamburger menu or click the add button (+).</p> <p>To add a new it is necessary to fill in the required fields.</p>
Delete	<p>Allows you to remove one or more Recertification policies by selecting one or more records and next clicking the button with the subtraction symbol (-).</p> <p>To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.</p>
Import	<p>Allows you to upload a CSV file with the Recertification policies to add or update the attribute definition to Soffid. First, you need to pick up a CSV file, that CSV has to contain a specific configuration. Then you need to check the content to be loaded, it is allowed to choose if you want or not to load a specific attribute. And finally, you need to select the mappings for each column of the CSV file to import the data correctly and click the Import button.</p>
Download CSV file	<p>Allows you to download a CSV file with the basic information of all Recertification policies.</p>
Add or remove columns	<p>Allows you to show and hide columns in the table. You can also set the order in which the columns will be displayed. The selected columns and order will be saved for the next time Soffid displays the page to the user.</p>

Recertification campaigns details

Click group	By clicking a record group, Soffid will display the group members' list.
Show details	Displays a detailed list with the recertification data for each user to recertificate.
Delete	Allows you to delete a recertification campaign. You can select this option on the hamburger menu. It is not allowed to delete a recertification process once it has been started.

Recertification details

Delegate	Allows you to delegate to another user the recertification by clicking a record group o by selecting one or more records, Soffid will display the group members' list.
Back	Allows you to delegate the operation to approve or deny the process. Once you click the delegate option, Soffid will allow you to select one or more users to delegate the process.

Recertifications to do

Description

When a campaign is run, the pending recertifications will be displayed in the Recertifications to-do list of the proper user who has to Accept or Deny the recertification. The user who has to manage the recertification can delegate it as well to another user to manage it.

Menu option

Main Menu > Recertifications to do

Screen overview

[?](#)

[Main Menu](#) > [Recertifications to do](#) 1 / 3 ▶

<input type="checkbox"/>	Group	User	Entitlement	Previous e...	Pending...	Comments
	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>
<input type="checkbox"/>	Movie Stars	Elizabeth Taylor	SOFFID Administrator		<input checked="" type="checkbox"/>	asdfg
<input type="checkbox"/>	Movie Stars	Elizabeth Taylor	SOFFID_DEV		<input checked="" type="checkbox"/>	
<input type="checkbox"/>	Music	Frankaaa Sinatra	SOFFID Administrator		<input checked="" type="checkbox"/>	
<input type="checkbox"/>	Music	Frankaaa Sinatra	SOFFID_DEV		<input checked="" type="checkbox"/>	
<input type="checkbox"/>	Music	Frankaaa Sinatra	SOFFID_HRMANAGER		<input checked="" type="checkbox"/>	asfg
<input type="checkbox"/>	Music	Freddie Mercury	SOFFID_HRMANAGER		<input checked="" type="checkbox"/>	
<input type="checkbox"/>	scientist	Galileo Galilei	SOFFID Administrator		<input checked="" type="checkbox"/>	

Delegate

Displayed rows: 7

Back

Apply now

Custom attributes

Recertifications campaign list

- **Name:** name to identify the campaign.
- **Start date:** date and time when the campaign started.

Recertifications to do list



- **Group:** group to which recertification applies.
- **User:** user to whom permissions will be assigned or not. If you click the user, Soffid will display a new page with the user data.
- **Entitlement:** the role that you can assign or not to the user. If you click the role, Soffid will display a new page with the role data.
- **Previous endorsement:** status previous endorsement.
- **Pending endorsement:** allows you to select the option to approve or deny.
- **Comments:** this allows you to write a comment.

Actions

Recertifications campaign

Click recertification	If you click one campaign record, Soffid will display the recertifications to do list.
------------------------------	--

Recertifications to do list

Pending endorsement	<p>In the pending endorsement column, you can approve or deny the recertification for each user who appears on this list. You can approve or deny by clicking on the proper check</p> <ul style="list-style-type: none"> • approve ->  • deny -> 
Apply changes	<p>Allows you to save the recertifications accepted and denied. Before applying changes, you need to select for each recertification if you approve or deny it. Also, you can write a comment.</p> <p>Once you apply changes, the recertifications executed will be removed from the recertifications to do list.</p>
Back	Allows you to quit without applying any changes.

Delegate	Allows you to delegate the operation to approve or deny the process. Once you click the delegate option, Soffid will allow you to select one or more users to delegate the process.
Browse user	By clicking the user, Soffid will open a new window with the user data.
Browse entitlement	By clicking the entitlement, Soffid will open a new window with the role data

Recertification Examples

Recertification Examples

User Entitlement

Role definitions

Shared account entitlements

<https://www.youtube.com/embed/F4SWomWhOes>