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# Information systems

## Description

Information systems are the systems that Soffid will protect granting and revoking roles. Each role and entry point is bound to an information system.

The information system can be created hierarchically. These information systems are managed in a tree structure.

Soffid allows you to categorize the information systems to facilitate the management, the available categories are Application, Container and Business. That categories are for information purposes only.

The permission can be granted by using workflows. You can access to [Workflows](#) page for more information.

## Screen overview



Type :	Application
Parent :	Parent
Name :	AD owatest.lab
Qualified name :	AD owatest.lab
Description :	Discovered host 51.83.104.14
Source :	Source
Owner :	pgarcia  pgarcia García
Executable :	Executable
Database :	AD owatest.lab
BPM enabled :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Notification emails :	Notification emails
Approval process :	Permissions management
Role definition process :	Role definition
Single role :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

[↶ Undo](#) [📄 Apply changes](#)

## Related objects

1. [Users](#)
2. [Role](#)
3. [Accounts](#)

## Custom attributes

### Basics

- **Type:** information system category.
- **Parent:** parent within the hierarchy.
- **Name:** short name to identify the information system.
- **Description:** detailed description information system.
- **Source:** documentation.
- **Owner:** is the information owner, and has the capability to appoint security manager.
- **Executable:** documentation.
- **Database:** documentation.

- **Owner name:** documentation.
- **BPM enable:** if enabled, permissions can be granted by using workflows.
- **Notification emails:** this list will be notified on a daily about grants and revokes performed.
- **Approval process:** allows you to select a Permissions management process. This process will be initiated when a role, in this information system, is assigned or revoked to a user. It is an advanced function for workflows. You can see an [example of the Approval process](#).
- **Role definition process:** allows you to select a Role definition process. This process will be initiated when the definition of a role, in the information system, is updated. It is an advanced function for workflows. You can see an [example of the Role definition process](#).
- **Single role:** if checked, the roles of this application are mutually exclusive: if a user has the role X and want to assign him the role Y, X will be removed to give him Y.

## Role Scopes (Domain)

Role scope or domains are properties that can be assigned to some entitlements, limiting the scope of that entitlement. This can be used to limit, for instance, the maximum amount allowed for a money transfer, or the commercial zones to manage.

On this tab, you can add new domains, you must click the button with the add symbol and fill the information about the new domain. You can also delete a domain or update the domain information.

Other operations allowed are to **download a CSV file** with the domain data and toOther operations allowed are to download a CSV file with the domain data and to upload a CSV file to add new domains, or update existed domains to add new domains, or update existing domains

**Image**

?

[Main Menu](#) > [Administration](#) > [Resources](#) > [Information systems](#) < 3 / 17 >

[Basics](#) [Role scopes](#) [Roles](#) [Users](#) [Effective users](#) [Managers](#)

**BABELTEST - BABELTEST**

Domain / Value	Description
⊖  Domain_11	Domain_11
Domain_12	Domain_12

Total rows: +

Role scope or domains are properties that can be assigned to some entitlements, limiting the scope of that entitlement. This can be used to limit, for instance, the maximum amount allowed for a money transfer, or the commercial zones to manage.

## Roles

A role is a collection of permissions that determine what operations a user or a group of users can perform on that information system.

On the roles tab is allowed to create, update and delete roles. The effective privileges bound to each role are managed from each application.

To add a **new role** you must click the button with the add symbol (+) and fill all the role data.

You can **update** a specific role by clicking on the right record, making and applying changes.

It is also possible to **delete roles** from the role details or by selecting one or more records from the list and clicking the button with the subtraction symbol (-).

Additionally you can **download a CSV file** with the roles information and you can also **upload a CSV file** to add new roles, or modify existing roles.

**Image**

soffid Search ?

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Basics Role scopes **Roles** Users Effective users Managers

**BABELTEST - BABELTEST**

<input type="checkbox"/>	Name	Description	System	Domain
	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>
<input type="checkbox"/>	babel:create	babel:create	BABELTEST	
<input type="checkbox"/>	babel:CRUD	babel:CRUD	BABELTEST	
<input type="checkbox"/>	babel:delete1	babel:delete1	BABELTEST	
<input type="checkbox"/>	babel:read	babel:read	BABELTEST	
<input type="checkbox"/>	babel:update	babel:update	BABELTEST	

Displayed rows: !

+ Add

## Users

On the user's tab, Soffid displays all the user with granted roles for this information system.

It is allowed to download a CSV file with all the user data.

**Image**

**soffid** Search ?

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Basics Role scopes Roles **Users** Effective users Managers

**BABELTEST - BABELTEST**

Name	Full name	Group	Role	System	Domain	Recertification
aretha	aretha Franklin	users	babel:read	BABELTEST		12/11/2024
bobm	bobm ?	users	babel:CRUD	BABELTEST		12/11/2024
epardo	Emilia Pardo Bazan	users	babel:CRUD	BABELTEST		12/11/2024
etaylor	Elizabeth Taylor	world	babel:delete1	BABELTEST		11/11/2024

Displayed rows:

## Effective users

Hierarchy of permissions assigned to or inherited from an account. If you visit [the accounts page](#), you could see the roles on the Roles tab from a specific account.

**Image**

**soffid** Search ?

Main Menu > Administration > Resources > Information systems < 6 / 15 >

Basics Role scopes Roles Users **Effective users** Managers

**AD owatest.lab - Discovered host 51.83.104.14**

Name	Full name	Group	Role	System	Domain	Recertification
administrator	Administrator		administrators	AD owatest.lab		06/6/2024
administrator	Administrator		organization management	AD owatest.lab		06/6/2024
administrator	Administrator		group policy creator owners	AD owatest.lab		06/6/2024
administrator	Administrator		domain admins	AD owatest.lab		06/6/2024
administrator	Administrator		enterprise admins	AD owatest.lab		06/6/2024
administrator	Administrator		schema admins	AD owatest.lab		06/6/2024
aretha	Franklin		dnsupdateproxy	AD owatest.lab		06/6/2024
aretha	Franklin		pre-windows 2000 compatible access	AD owatest.lab		06/6/2024
bob	Dylan		remote desktop users	AD owatest.lab		06/6/2024
bob	Dylan		account operators	AD owatest.lab		06/6/2024
guest	?		guests	AD owatest.lab		06/6/2024
mjackson	Jackson		remote desktop users	AD owatest.lab		06/6/2024
mjackson	Jackson		account operators	AD owatest.lab		06/6/2024
mjackson	Jackson		administrators	AD owatest.lab		06/6/2024

## Managers

On the tab Managers, Soffid displays the Roles with Domain equals to Information System and the proper authorization.

Here you can grant the role to one or more users. You can also assign the role to users on the Roles page or on the Users page. Users who have been assigned this role will be displayed in the Managers tab.

Be in mind, to query the information about the roles and users on the managers tab, it will be mandatory to give authorization to query applications, you must add the role to the authorization (application:query).

### Image

soffid Search

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Basics Role scopes Roles Users Effective users **Managers**

SOFFID - SOFFID Identity Manager

Role / Managers	Description
SOFFID_APP_OWNER	Application supervisor
aretha	aretha Franklin
frank	frank Sinatra

Grant SOFFID\_APP\_OWNER role

Total rows:

### \*\* Role

soffid Search

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Role details **Granted roles** Grantee roles Grantee groups Users Role assignment rules

Name : SOFFID\_APP\_OWNER

Description : Application supervisor

System : soffid Soffid system

Category : Category

Information system name : SOFFID SOFFID Identity Manager

Domain : Information systems

BPM enabled :  Yes  No

Approval start : 26/11/2024 10:37

Approval end : 26/11/2024 10:37

Preview changes

Undo Apply changes

## \*\* Authorization

Main menu > Administration > Configuration > Security settings > Authorizations ◀ 4 / 5 ▶

application:query : Query applications and their roles

<input type="checkbox"/>	Role	System	Description	Information ...	Domain
<input type="checkbox"/>	SOFFID_APP_OWNER	soffid	Application supervisor	SOFFID	

Displayed rows:

Undo Apply changes

# Actions

## Information system query

<b>Query</b>	Allows to query groups through different search systems, <u>Quick, Basic and Advanced</u> .
<b>Add or remove columns</b>	Allows to show and hide columns in the table.
<b>Add new</b>	Allows to create a new information system. You can choose that option on the hamburger menu or clicking the add button (+). To add a new information system it will be mandatory to fill in the required fields
<b>Add child information system</b>	Allows to add a child to a specific information system. You can choose that option below the father information system. To add a child it is necessary to fill in the required fields
<b>Import</b>	Allows you to upload a CSV file with the information system list to add or update information systems 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 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 to click the Import button.
<b>Download CSV file</b>	Allows to download a csv file with the basic information of all information systems.

## Information system detail actions

<b>Apply changes</b>	Allows you to save the data of a new information system or to update the data of a specific information system. To save the data it will be mandatory to fill in the required fields
<b>Delete</b>	Allows you to remove a specific information system. To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
<b>Undo</b>	Allows you to quit without applying any changes.

## Role scopes actions

<b>Add domain</b>	Allows you to add a new domain to limit the scope. You can choose that option on the hamburger menu or clicking the add button (+). To add a new domain it will be mandatory to fill in the required fields
<b>Import</b>	Allows you to upload a CSV file with the domain list to add or update domains 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 to click the Import button.
<b>Download CSV file</b>	Allows you to download a CSV file with all the information about domains.

## Roles actions

<b>Add or remove columns</b>	Allows you to show and hide columns in the table.
<b>Add new</b>	Allows you to create a new role for that information system. You can choose that option on the hamburger menu or clicking the add button (+). To add a new role it will be mandatory to fill in the required fields
<b>Delete</b>	Allows you to delete one by one or to delete some roles at the same time from an information system . To delete some roles at the same time, you need to select the roles, and then click the button with the subtraction symbol (-). To delete one role, you can click the users, and then Soffid will show a form with the details. Then you can click the delete button (trash icon). Soffid will ask you for confirmation to perform that action, you could confirm or cancel the operation.

<b>Import</b>	Allows you to upload a CSV file with the roles list to add to the information system. 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 to click the Import button.
<b>Download CSV file</b>	Allows to download a csv file with the basic role data

In addition for each role you can perform the specific operations defined on the [Role page](#)


## Users actions

<b>Download CSV file</b>	Allows to download a CSV file with all the information about users.
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# Example

## Approval process Example

1. Assign a role a to a User: this role belong to an information system with an Approval process configured.

 <b>Image</b>
Information system definition

**soffid** Search

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Basics Role scopes Roles Users Effective users Managers

Type : Application

Parent : Parent

Name : BABELTEST

Qualified name : BABELTEST

Description : BABELTEST

Source : Source

Owner : Owner

Executable : Executable

Database : Database

BPM enabled :  Yes  No

Notification emails : Notification emails

Approval process : Permissions management

Role definition process : Role definition

Single role :  Yes  No

Undo Apply changes

**Image**

Assign a role a to an user

**soffid** Search

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Basics Groups Accounts Roles Effective Roles Shared accounts Sessions User processes Issues OTP devices Tokens

epardo - Emilia Pardo Bazan

<input type="checkbox"/>	Risk	Role	System	Account	Information system	Start date	End date
		<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"/>		babel:CRUD	BABELTEST	epardo	BABELTEST	12/11/2024	

Displayed rows: +

2. A task to approve or reject is created

**Image**

Process 3768989


Permissions management (Version 5)

Task 3768991

Approve permissions for

[Task](#) [Actions log](#) [Attachments](#) [Comments](#)

Permissions

User	Full name	Information system	Permission	Approve	Deny
epardo	Emilia Pardo Bazan 	BABELTEST	babel:CRUD: babel:CRUD	<input type="checkbox"/>	<input type="checkbox"/>

[← Close](#)[Approve](#)[Rejec](#)

## Role definition process example

1. Update a role definition. This role belongs to an information system with an Approval process configured.

### Image

Assign a role to a user

epardo - Emilia Pardo Bazan

<input type="checkbox"/>	Risk	Role	System	Account	Information system	Start date	End date
		<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"/>		babel:CRUD	BABELTEST	epardo	BABELTEST	12/11/2024	

Displayed rows:



Image

babel:CRUD - babel:CRUD

<input type="checkbox"/>	Role	Database	Domain		Role	Database	Domain	M...
	<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"/>	1) babel:CRUD	BABELTEST		→	babel:read	BABELTEST		<input checked="" type="checkbox"/>
<input type="checkbox"/>	babel:CRUD	BABELTEST		→	babel:delete1	BABELTEST		<input checked="" type="checkbox"/>
<input type="checkbox"/>	2) babel:CRUD	BABELTEST		→	babel:create	BABELTEST		<input checked="" type="checkbox"/>
<input type="checkbox"/>	babel:CRUD	BABELTEST		→	babel:update	BABELTEST		<input checked="" type="checkbox"/>

Displayed rows:



Preview changes

Undo

Apply changes

1) This assignation is pending to approve

2) This deletion is pending to approve

2. A task to approve o reject is created

Process 3772350 Role definition (Version 1.0.0-SNAPSHOT)  
Task 3772362 Definition approval babel:CRUD

**Task** [Actions log](#) [Attachments](#) [Comments](#)

The following role has been modified by \*pgarcia. Please, confirm the new definition  
Grayed dependencies will be added. Dashed dependencies will be removed

**Role details** [Granted roles](#) [Grantee roles](#) [Grantee groups](#) [Users](#) [Role assignment rules](#)



Name : babel:CRUD  
Description : babel:CRUD  
System : BABELTEST BABELTEST  
Category :  
Information system name : BABELTEST BABELTEST  
Domain : No domain  
BPM enabled :  Yes  No  
Approval start : 12/11/2024 14:40  
Approval end :

Close

Approve

Deny

Revision #45

Created 29 March 2021 13:17:28

Updated 29 November 2024 10:13:54