

Additional data

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Introduction

In *Start Soffid Configuration Additional data management*, the administrator can modify the default objects and create or modify the custom ones, specifying the attributes to be used by any account on this system.

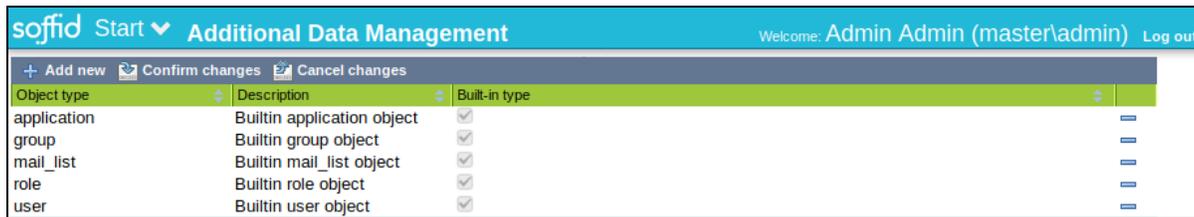
Objects

As indicated, there can be two types of objects: default objects and custom objects.

Default objects

As seen in following image, the default objects are:

- Application
- Group
- Mail_list
- Role
- User



Object type	Description	Built-in type	
application	Builtin application object	<input checked="" type="checkbox"/>	[-]
group	Builtin group object	<input checked="" type="checkbox"/>	[-]
mail_list	Builtin mail_list object	<input checked="" type="checkbox"/>	[-]
role	Builtin role object	<input checked="" type="checkbox"/>	[-]
user	Builtin user object	<input checked="" type="checkbox"/>	[-]

All of them have attributes by default (name, description), hidden, but it is possible to define more from each of them, as will be explained later.

Custom objects

They are objects created by the administrator, according to the needs of the system.

Create a custom object

Click on [+ Add new](#) to configure a new custom object.



soffid Start ▾ Additional Data Management Welcome: Gabriel Buades (master@gbuades@directvla.com.ar) Log out

Object type : CRM
Description : CRM

Visible columns [+ Add new](#) [-- Remove selected](#)

Order	Code	Label	Data type
-------	------	-------	-----------

[Accept](#) [Cancel](#)

The object type and description must be defined. Then, clicking on [+ Add new](#), an attribute can be described.

soffid Start ▾ Additional Data Management Welcome: Gabriel Buades (mastergbuades@directvla.com.ar) Log out

Object type : CRM CRM
 Code : subdivision * Order : 1 *
 Label : Subdivision
 Data type : String ▾ *
 Required :
 Prevent duplicated values :
 Multiple values :
 Size : Values +
 Visibility expression :
 Validation expression :
 Available variables

[Back](#)

For each one, administrator must define:

- Order: assigns a unique order number to each attribute.
- Code: it will be used by scripts and attribute mapping rules to identify it.
- Label: it is how the user will identify the attribute.
- Data type: it can be string, binary data, photo, date, email, user, group, application, host, user type, Mail domain, SSO HTML input or HTML.
- Required: if this flag is enabled, no user can be created without assigning a value to this attribute.
- Prevent duplicated values: it will prevent that any other account on this system has the same value.
- Multiple values: if this flag is enabled, the attribute can have several options instead of just one.
- Size: max length.
- Visibility expression: it can contain several variables: serviceLocator (Spring context), object (Current object), attributes (additional attributes map) and requestContext (Current context: "request", "approve" or "console").
- Validation expression: it can contain the same variables than the previous one, adding one more: value (current value).

Once filled the required fields, click on [Back](#) to return to the previous page and, then, click on [Accept](#) to save changes.

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Object type : CRM
 Description : CRM

Visible columns + Add new - Remove selected

Order	Code	Label	Data type
+	subdivision	Subdivision	String

[Accept](#) [Cancel](#)

Then system returns to main page, as follows, and it can be verified that the additional data has already been created:

soffid Start ▾ Additional Data Management Welcome: Gabriel Buades (mastergbuades@directvla.com.ar) Log out

[+ Add new](#)

Object type	Description	Built-in type
CRM	CRM	<input type="checkbox"/>

Setting attributes

Once created, it is possible to define an attribute as data type "CRM" for any of the default object, in this case "user". In order to do that go to "user" object, by clicking on it, select [+ Add new](#) and following menu is displayed:

soffid Start ▾ Additional Data Management Welcome: Gabriel Buades (master\gbuades@directvla.com.ar) Log out

Object type : user Builtin user object
 Code : SUBDIVISION * Order : 199 *

Label : Subdivision

Data type : CRM ▾ *

Required :

Prevent duplicated values :

Multiple values :

Size : _____

Administrator visibility : _____ ▾

Operator visibility : _____ ▾

User visibility : _____ ▾

Visibility expression : ?

Validation expression : ?

Available variables

[Back](#)

Detail the fields required and the data type CRM. Then, click on [Back](#) to return previous page and check that the attribute SUBDIVISION is included in the User object:

← SUBDIVISION	Subdivision	Custom object
---------------	-------------	---------------

If no order number is indicated, the attribute is shown at the end of the list.

Finally, accept changes and return to the main page.

Custom object types

For more information about the custom objects, click [here](#).

Modify objects

Add attributes

Both the custom objects and the default ones can be extended with the personalization of more attributes.

In this case, modify the custom or default object it is as simple as clicking on it and the object menu is displayed. In the example, the default object "attribute" is selected:

soffid Start ▾ Welcome: Gabriel Buades (master\gbuades@directvla.com.ar) Log out

Object type : application
 Description : Builtin application object

Visible columns + Add new - Remove selected

Order	Code	Label	Data type
↕	singleRole	Rol unico	String
↕	notas	Notas para MDA	String
↕	manual	Gestion manual	String
↕	relatedApplication	Aplicacion relacionada	String
↕	owners	Responsables	String
↕	ownersExcNav	Responsables EXC-NAV (cargos)	String
↕	approverApplication	Aplicacion aprobadora	String

[Accept](#) [Cancel](#)

Click on [+ Add new](#) to access the next screen, where an attribute for the object can be configured:

soffid Start ▼ Welcome: Gabriel Buades (master\gbuades@directvla.com.ar) [Log out](#)

Object type : application Builtin application object

Code : * Order : _____ *

Label : _____

Data type : - select one - ▼ *

Required :

Prevent duplicated values :

Multiple values :

Size : _____

Values +

Visibility expression : ?

Validation expression : ?

Available variables

[← Back](#)

Once here, create the attribute "detail" for the object, defining the code (detail), order (8, there are seven previously defined attributes), label (Detalle) and the data type (String).

soffid Start ▼ Additional Data Management Welcome: Gabriel Buades (master\gbuades@directvla.com.ar) [Log out](#)

Object type : application Builtin application object

Code : detail * Order : 8 *

Label : Detalle

Data type : String ▼ *

Required :

Prevent duplicated values :

Multiple values :

Size : _____

Values +

Visibility expression : ?

Validation expression : ?

Available variables

[← Back](#)

Click on [← Back](#) to verify that the attribute "detail" for the default object "application" has been created. Accept and return to main page.

Then, to confirm that the attribute has been created correctly, go to the applications screen (*Start Resource Management Information Systems Applications*) and select any one, as shown:

soffid Start ▼ Application management Welcome: Gabriel Buades (master\gbuades@directvla.com.ar) [Log out](#)

Search criteria

Name Any ✕ Description Any ✕ Role Any ✕ [Add criteria](#) 🔍 [Basic](#) [Advanced](#)

Browser

Visible columns [+](#) Add new [-](#) Remove selected [📄](#) Export results

Name	Description
ASPECT	Aspect
TS	Terminal servers
CRM_ENGAGE_AR	CRM Engage Argentina
HSP_UY	HSP Uruguay

In the detailed information of the selected application, it is verified that the attribute "detail" appears, as indicated, last (eighth).

Details ✕

Data Managers Role scopes Roles SoD rules Users

Name: HSP_UY

Description: HSP Uruguay

Workflow managed:

Approval process: -

Definition process: -

Email notifications: _____

Rol unico: _____

Notas para MDA: Aplicar manualmente segun procedimiento

Gestion manual: _____

Aplicacion relacionada: _____

Responsables: _____

Responsables EXC-NAV (cargos): _____

Aplicacion aprobadora: _____

Detalle: _____

Example scripts

Configure visibility of an additional data

- For a user if we rely on a native attribute, for example the userName:

```
return object{"userName"}.startsWith("A");
```

- For a custom attribute it is slightly more complex:

```
list = serviceLocator.getUserService().findUserDataByUserName(object{"userName"});
for (data:list) {
    if ("manager".equals(data.attribute) && data.value!=null && !data.value.trim().isEmpty()) return true;
}
return false;
```

This example is for a managerMail field that only appears when the manager field has some value:

soffid Start ▼ **Additional Data Management** Welcome: Admin Admin (master/admin) Log out

Object type: user Builtin user object

Code: managerMail

Label: Manager mail

Data type: String

Required:

Prevent duplicated values:

Multiple values:

Size: Values +

Administrator visibility: Editable

Operator visibility: _____

User visibility: _____

Visibility expression: ? `list = serviceLocator.getUserService().findUserDataByUserName(object{"userName"});
for (data:list) {
 if ("manager".equals(data.attribute) && data.value!=null && !data.value.trim().isEmpty()) return true;
}
return false;`

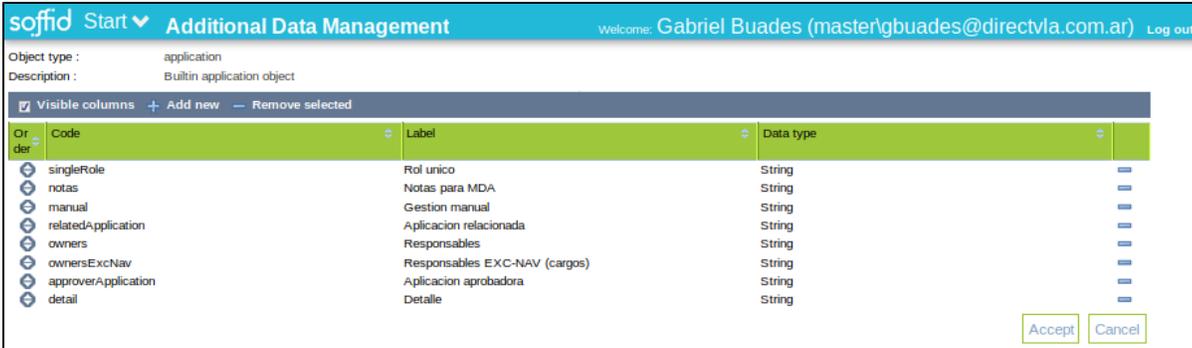
Validation expression: ? _____

Available variables

← Back □ □

Remove attributes

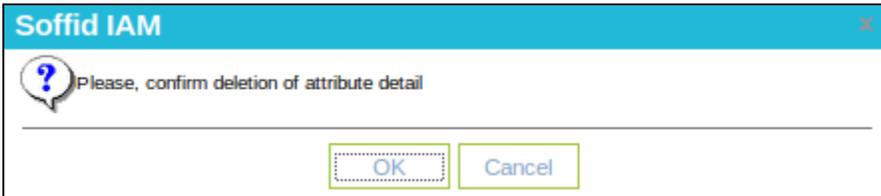
It is possible to remove the created attributes (not the ones by default, which are unalterable) from both the custom objects and the default objects. In order to do this, access the object to modify (in this case, attribute):



The screenshot shows the 'Additional Data Management' page in Soffid. The page header includes the Soffid logo, 'Start', and the user name 'Gabriel Buades (mastergbuades@directvla.com.ar)'. Below the header, the 'Object type' is 'application' and the 'Description' is 'Builtin application object'. A table lists attributes with columns for 'Order', 'Code', 'Label', and 'Data type'. Each row has a minus sign icon on the right side, indicating that attributes can be removed.

Order	Code	Label	Data type
1	singleRole	Rol unico	String
2	notas	Notas para MDA	String
3	manual	Gestion manual	String
4	relatedApplication	Aplicacion relacionada	String
5	owners	Responsables	String
6	ownersExcNav	Responsables EXC-NAV (cargos)	String
7	approverApplication	Aplicacion aprobadora	String
8	detail	Detalle	String

Then, by clicking on  to the right of the attribute, a message will be displayed:



The screenshot shows a confirmation dialog box titled 'Soffid IAM'. The message inside says 'Please, confirm deletion of attribute detail'. There are two buttons at the bottom: 'OK' and 'Cancel'.

Click OK, then Accept and return to main page.

Accounts: concrete case

 Accounts are default objects in Soffid, but their treatment differs from the others (application, user, role, group, mail_list) because they are particular to the system on which they depend. For more information, follow this [link](#).