

# Attribute definition

## Description

The attribute definition page displays all the **auto-generated user attributes**. Those attributes will be the attributes to deliver from the identity providers to the service providers depending on the defined rules.

Soffid has a default implementation for common attributes like FullName or uid, but you can modify it by creating a custom script.

## Screen overview

Main Menu > Administration > Configure Soffid > Web SSO > Attribute definition

<input type="checkbox"/>	Name	ShortName	Old	OpenID name	Value
	Filter	Filter	Filter	Filter	Filter
<input type="checkbox"/>	Accounts & Passwords	Secrets	urn:oid:1.3.6.1.4.1.22896.3.1.6		
<input type="checkbox"/>	ActivationKey	custom:ActivationKey	urn:oid:1.3.6.1.4.1.22896.3.1.1003574	ActivationKey	attributes{"ActivationKey"}
<input type="checkbox"/>	Birth date	custom:birthDate	urn:oid:1.3.6.1.4.1.22896.3.1.1043162	birthDate	attributes{"birthDate"}
<input type="checkbox"/>	changeDate	custom:changeDate	urn:oid:1.3.6.1.4.1.22896.3.1.250119	changeDate	attributes{"changeDate"}
<input type="checkbox"/>	changelid	custom:changelid	urn:oid:1.3.6.1.4.1.22896.3.1.250121	changelid	attributes{"changelid"}
<input type="checkbox"/>	Color	custom:Color	urn:oid:1.3.6.1.4.1.22896.3.1.3035188	Color	attributes{"Color"}
<input type="checkbox"/>	Company	custom:Company	urn:oid:1.3.6.1.4.1.22896.3.1.250092	Company	attributes{"Company"}
<input type="checkbox"/>	Contract type	custom:Contrat_type	urn:oid:1.3.6.1.4.1.22896.3.1.997661	Contrat_type	attributes{"Contrat_type"}
<input type="checkbox"/>	Contry	custom:country	urn:oid:1.3.6.1.4.1.22896.3.1.1510216	country	attributes{"country"}
<input type="checkbox"/>	Country	custom:Nacionalidad	urn:oid:1.3.6.1.4.1.22896.3.1.250117	Nacionalidad	attributes{"Nacionalidad"}
<input type="checkbox"/>	Email address	mail	urn:oid:0.9.2342.19200300.100.1.3	email	
<input type="checkbox"/>	employeeid	custom:employeeid	urn:oid:1.3.6.1.4.1.22896.3.1.250120	employeeid	attributes{"employeeid"}
<input type="checkbox"/>	External email	custom:EMAIL	urn:oid:1.3.6.1.4.1.22896.3.1.1000222	EMAIL	attributes{"EMAIL"}
<input type="checkbox"/>	Fotografia	custom:picture	urn:oid:1.3.6.1.4.1.22896.3.1.1026066	picture	attributes{"picture"}
<input type="checkbox"/>	Full name	Fullname	urn:oid:2.16.840.1.113730.3.1.241	full_name	
<input type="checkbox"/>	gid	custom:gid	urn:oid:1.3.6.1.4.1.22896.3.1.1838599	gid	attributes{"gid"}
<input type="checkbox"/>	Given Name	GivenName	urn:oid:2.5.4.42	given_name	
<input type="checkbox"/>	Hire Date	custom:hireDate	urn:oid:1.3.6.1.4.1.22896.3.1.250098	hireDate	attributes{"hireDate"}
<input type="checkbox"/>	Home dir	custom:home	urn:oid:1.3.6.1.4.1.22896.3.1.1838600	home	attributes{"home"}
<input type="checkbox"/>	Idioma	custom:Idioma	urn:oid:1.3.6.1.4.1.22896.3.1.2361196	Idioma	attributes{"Idioma"}
<input type="checkbox"/>	Languages spoken by the user	custom:language	urn:oid:1.3.6.1.4.1.22896.3.1.1059597	language	attributes{"language"}
<input type="checkbox"/>	Leave Date	custom:LeaveDate	urn:oid:1.3.6.1.4.1.22896.3.1.250093	LeaveDate	attributes{"LeaveDate"}
<input type="checkbox"/>	Manager	custom:manager	urn:oid:1.3.6.1.4.1.22896.3.1.597880	manager	attributes{"manager"}
<input type="checkbox"/>	NDI	custom:NDI	urn:oid:1.3.6.1.4.1.22896.3.1.250097	NDI	attributes{"NDI"}
<input type="checkbox"/>	New	custom:New	urn:oid:1.3.6.1.4.1.22896.3.1.3035188	New	attributes{"New"}
<input type="checkbox"/>	NIF	custom:NIF	urn:oid:1.3.6.1.4.1.22896.3.1.371236	NIF	attributes{"NIF"}

Displayed rows: 45

## Custom attributes

- **Name:** a descriptive name.
- **ShortName:** short name to be used by SAML 2 service providers (without blanks).
- **OID:** OID to be used by SAML 1 and SAML 2 service providers.
- **OpenID name:** OpenID name to be used by OAuth and OpenID connect service provider.
- **Radius ID:** Radius ID name.
- **Value:** an attribute value. Allows you to define a BeanShell script to determine the value of the attribute.

# Examples

Soffid IdP has a default implementation for common attributes like FullName or uid, but you can modify it by creating a custom script. You can use the custom script to define the value of an attribute.

Examples to define the value of an attribute.

## Example 1

Return full name in upper case:

```
return fullName.toUpperCase();
```

## Example 2

Send one value if an attribute is blank. Otherwise, its value:

```
return  
    attributes{"company"} == null ||  
    attributes{"company"}.isEmpty() ?  
        "Soffid" :  
        attributes{"company"}
```

## Example 3

Use serverService to fetch the OU attribute of the account owned by the user in the Active Directory (AD) system:

```
for (account: serverService.getUserAccounts(id, "ad")) {  
    return account{"attributes"}{"ou"};  
}
```

```
return null;
```

# Actions

## Attribute definition query

<b>Add new</b>	Allows you to add a new attribute definition in the system. You can choose that option on the hamburger menu or clicking the add button (+). To add a new it is necessary to fill in the required fields.
<b>Delete</b>	Allows you to remove one or more Attribute definitions by selecting one or more records and next clicking the button with the subtraction symbol (-). To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
<b>Import</b>	Allows you to upload a CSV file with the attribute definition to add or update 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 to click the Import button.
<b>Download CSV file</b>	Allows you to download a CSV file with the basic information of all attribute definitions.

## Attribute definition detail

<b>Delete</b>	Allows you to save the data of a new Attribute definition or to update the data of a specific Attribute definition. To save the data it will be mandatory to fill in the required fields.
<b>Save</b>	Allows you to download a csv file with the basic information of the Attribute definition.

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