

Holder group

- [Holder group login](#)
- [Steps to configure](#)
- [Use cases](#)

Holder group login

Introduction

In some organizations is necessary to assign roles that affect only a part of the structure, for instance, a department, a division or a country. A **Holder Group** can be defined as a collection of entities (referred to as "holders") that share similar characteristics, roles, permissions, or access requirements. The concept of a Holder Group simplifies the management of identities by enabling administrators to apply policies, assign roles, and manage permissions at the group level rather than individually.

The Soffid federation allows a new way to login, the **Holder group login**. This new way, allows the user to login to applications, Service Provider, indicating with which group the user wants to log in. Soffid will share with the application the roles and permissions according to the selected group.

If you want an application to allow Holder group login, the option Ask for group membership after authentication of the Service Provider must be activated (Yes option selected).

Once the user has logged in using the federation, Soffid will share with the Service Provider application the following information:

- **Holder group:** Group selected by the user when logging in.
- **Roles list:**
 - Roles directly assigned to the user.
 - Roles assigned to the user in compliance with a Role Assignment Rule.
 - Roles assigned in the group selected by the user when logging in.

How Holder group login works?

1. The user is not logged in to the Identity Provider.

1.1. The user type the user and password into the Identity Provider.

1.2. The Identity Provider validates the user credentials and requires a 2FA if it is necessary.

1.2.1. If the credentials are not correct, an error message is displayed.

1.2.2. If the credentials are correct, the Identity Provider get a list of all groups to which the user can log in. This list is obtained by selecting all groups, primary and/or secondary, that have as type one with Rol holder Yes. The groups are not repeated in

this list.

1.2.2.1. If there is no group with these characteristics, the Identity Provider automatically logs the user shares the data with the Service Provider.

1.2.2.2. If there is only one group with these characteristics, the Identity Provider automatically logs the user into this group and shares the data with the Service Provider.

1.2.2.3. If there is more than one group, the Identity Provider displays a list of the groups for the user to select which one to log in to. Here the user selects the group and logs in, then Identity Provider shares the updated data with the Service Provider.

2. The user is already logged in to the Identity Provider.

2.1. The user login to a new application, Service Provider.

2.2. The Identity Provider checks if there are any additional adaptive rules required to perform the login.

2.2.1. If the credentials are not correct, an error message is displayed.

2.2.2. If the credentials are correct, the user logs in to the application with the group to which the user was previously logged in. The Identity Provider shares the updated data with the Service Provider, so if there have been any changes in the user's roles, these updates are reflected in the shared data.

Service providers that allow Holder group login

The following Service Providers allow you to configure the login with Holder group

- SAML
- SAML API client
- OpenID-Connect
- CAS client

Steps to configure

Steps to configure

1. Group type: Create at least one organizational unit with the role holder attribute active (yes).

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⚙

Main Menu > Administration > Configuration > Global Settings > Group types

◀ 2 / 3 ▶

≡

Name :

Cost Center *

Description :

Cost Center *

Role holder :

Yes

III

Undo

Apply changes

<https://bookstack.soffid.com/books/soffid-3-reference-guide/page/group-type>

2. Groups: Assign Groups to the organizational unit. Define groups with the appropriate group type.

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Main Menu > Administration > Resources > Groups

1 / 17 ▶

Basics

Users

Granted Roles

Managers

Name :

RRHH *


Description :

RRHH *


Drive letter :

Dri


Parent group :

world  World

Type :

Cost Center  Cost Center

Drive server name :

Drive server name 

Disabled :

III

No

Created on :

Disabled on :

Undo

Apply changes

<https://bookstack.soffid.com/books/soffid-3-reference-guide/page/groups>

3. Custom attributes: (Optional) You can include new custom attributes to this membership relationship, go to Metadata page and select the GroupUser to add these attributes.

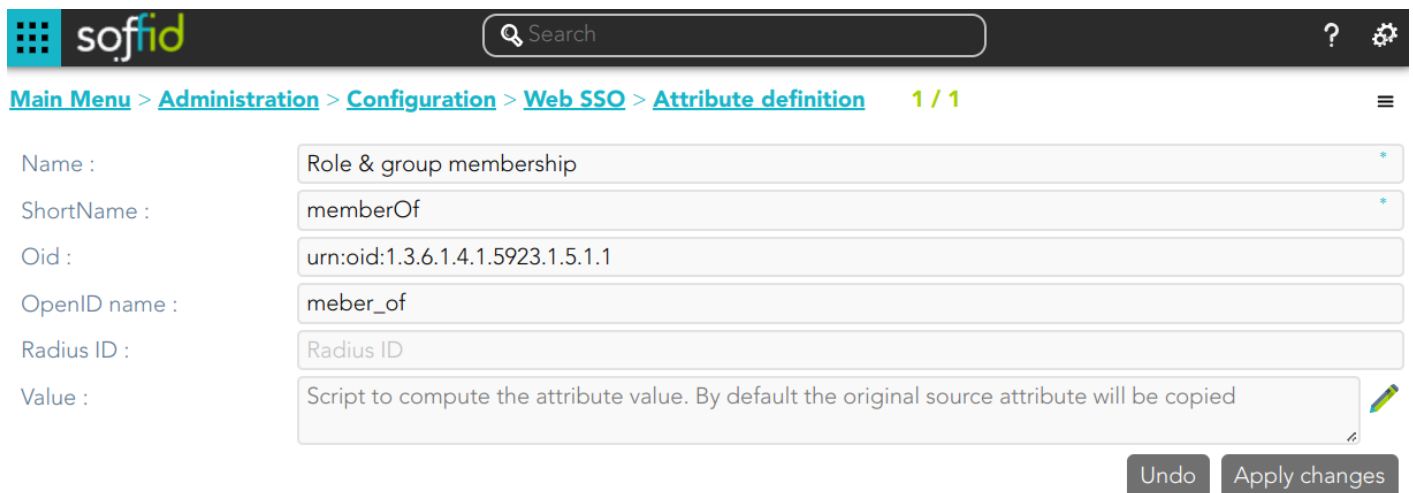
4. Attribute definition: Define the **Attributes to deliver** from the identity providers to the service providers

4.1. Holder group



The screenshot shows the Sofid web interface. The top navigation bar includes the Sofid logo, a search bar, and a help icon. The breadcrumb trail is: Main Menu > Administration > Configuration > Web SSO > Attribute definition. The page title is '1 / 1'. The form fields are: Name (Holder group), ShortName (HolderGroup), Oid (urn:oid:1.3.6.1.4.1.22896.3.1.7), OpenID name (holder_group), Radius ID (Radius ID), and Value (Script to compute the attribute value. By default the original source attribute will be copied). There are 'Undo' and 'Apply changes' buttons at the bottom right.

4.2. Role & group membership



The screenshot shows the Sofid web interface. The top navigation bar includes the Sofid logo, a search bar, and a help icon. The breadcrumb trail is: Main Menu > Administration > Configuration > Web SSO > Attribute definition. The page title is '1 / 1'. The form fields are: Name (Role & group membership), ShortName (memberOf), Oid (urn:oid:1.3.6.1.4.1.5923.1.5.1.1), OpenID name (meber_of), Radius ID (Radius ID), and Value (Script to compute the attribute value. By default the original source attribute will be copied). There are 'Undo' and 'Apply changes' buttons at the bottom right.

5. Attribute sharing policies: Define the policies to share the attributes with each service provider.

In this case, the Holder group, and Role & group membership attributes will be always shared.

Policy :

GroupMembershipANY

Condition

ANY

Attributes

<input type="checkbox"/>	Attribute	Action	Condition
	Filter	Filter	Filter
<input type="checkbox"/>	Holder group	Allow	ANY
<input type="checkbox"/>	Role & group membership	Allow	ANY

Displayed rows: 2

+

Undo

Apply changes

6. Service Provider: Configure the service providers, indicating in which ones the headline group should be requested

Identification

Type :

OpenID Connect

Identifier :

angularApp

Name :

angularApp

Login rules

Allow impersonations :

Target application URL

UID Script :

Script to compute the user name to pass to the target application

Ask for consent :

☐
☒ No

Ask for group membership after authentication :

☒ Yes
 ☐

Roles required to login :

Roles required to login

System where an enabled account is required :

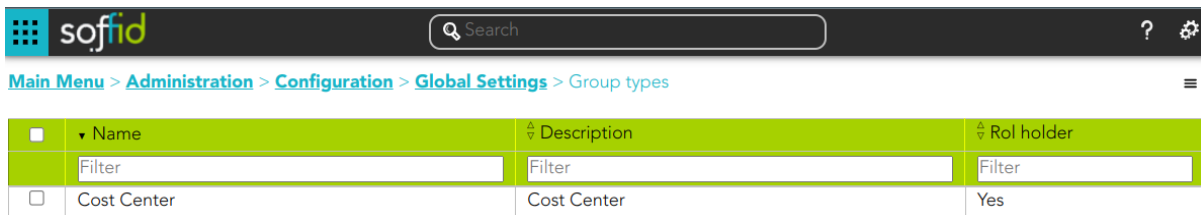
System where an enabled account

OpenID authorization flow

Use cases

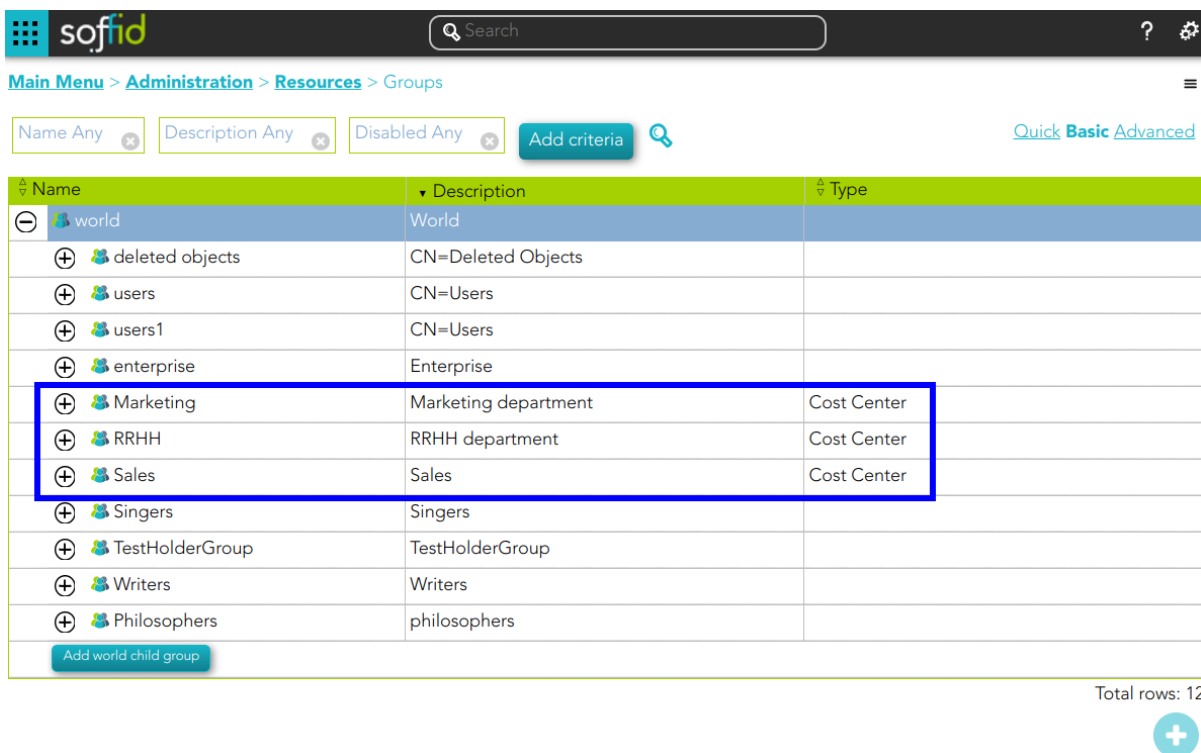
Premises

1. An Organizational Unit has been defined as Role holder Yes.



Name	Description	Rol holder
Filter	Filter	Filter
Cost Center	Cost Center	Yes

2. Several groups have been defined with type organizational unit with role holder Yes.



Name	Description	Type
world	World	
deleted objects	CN=Deleted Objects	
users	CN=Users	
users1	CN=Users	
enterprise	Enterprise	
Marketing	Marketing department	Cost Center
RRHH	RRHH department	Cost Center
Sales	Sales	Cost Center
Singers	Singers	
TestHolderGroup	TestHolderGroup	
Writers	Writers	
Philosophers	philosophers	

Total rows: 12

3. An attribute sharing policy has been defined.

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Main Menu > Administration > Configuration > Web SSO > Attribute sharing policies 2 / 3

Policy : GroupMembershipANY

Condition : ANY

Attributes

Attribute	Action	Condition
Filter	Filter	Filter
<input type="checkbox"/> Holder group	Allow	ANY
<input type="checkbox"/> Role & group membership	Allow	ANY

Displayed rows: 2

Undo Apply changes

4. Indicates which Service Providers will be required group membership after authentication

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Search

Main Menu > Administration > Configuration > Web SSO > Identity & Service providers 11 / 13

Identification

Type : OpenID Connect

Identifier : OpenIDConnectApp001

Name : OpenIDConnectApp001

Login rules

Allow impersonations : Target application URL

UID Script : Script to compute the user name to pass to the target application

Ask for consent : No

Ask for group membership after authentication : Yes

Roles required to login : Roles required to login

System where an enabled account is required : System where an enabled account

Use cases

Use case 1 - Log in to an application

User with no groups, Primary or Secondary, with type holder group Yes. When this user log into an application --> The user login normally to the application

Use case 2 - Log in to an application

User with only one group, Primary or Secondary, with type holder group Yes. This users can have more groups with holder group No. When this user logs in to an application --> The user will be logged-in the application with the group with type holder group yes.

OpenID-Connect

a. User Agatha with Primary group RRHH (Role holder Yes)

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?

[Main Menu](#) > [Administration](#) > [Resources](#) > [Users](#) ◀ 10 / 324 ▶

[Basics](#) [Groups](#) [Accounts](#) [Roles](#) [Effective Roles](#) [Shared accounts](#) [Sessions](#) [User processes](#) [Issues](#) [OTP devices](#) [Tokens](#)

Common attributes

User name :

Agatha

First name :

Agatha

Last Name :

Christie

Middle name :

Middle name

Full name :

Agatha Christie

Organization

Type :

External user

Primary group :

RRHH

RRHH department

Home server :

Home server

Profile server :

Profile server

Please, identify yourself.

User name:

agatha

Change user name

Password:

Login

Cancel


A service provider named angularApp needs to authenticate you.

c. Get the JSON id_token

}

SAML

a. User Agatha with Primary group RRHH (Role holder Yes)



Search

?

[Main Menu](#) > [Administration](#) > [Resources](#) > [Users](#) ◀ 10 / 324 ▶

[Basics](#) [Groups](#) [Accounts](#) [Roles](#) [Effective Roles](#) [Shared accounts](#) [Sessions](#) [User processes](#) [Issues](#) [OTP devices](#) [Tokens](#)

Common attributes

User name :

Agatha

First name :

Agatha

Last Name :

Christie

Middle name :

Middle name

Full name :

Agatha Christie

Organization

Type :

External user

Primary group :

RRHH

RRHH department

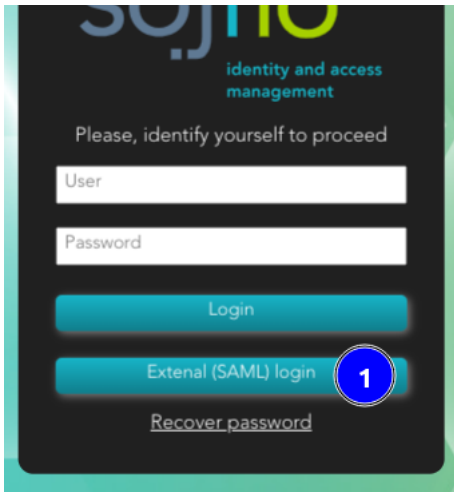
Home server :

Home server

Profile server :

Profile server

b. Login: the user type the user and password to login



Please, identify yourself.

User name: [Change user name](#)

Password: [Login](#)
[Forgot your password?](#)

A service provider named <https://pat.soffid.lab:8443/soffid-iam-console> needs to authenticate you.

c. Get the SAML response

```
<?xml version="1.0" encoding="UTF-8"?>
<saml2p:Response xmlns:saml2p="urn:oasis:names:tc:SAML:2.0:protocol"
Destination="https://pat.soffid.lab:8443/soffid/saml/log/post" ID="_6743cb92d3e0ebe0572843361b8afb8f"
InResponseTo="_5888a034d161c2f45e7c3d62c1ffd939" IssueInstant="2025-01-16T08:11:30.043Z"
Version="2.0">
  <saml2:Issuer xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion"
Format="urn:oasis:names:tc:SAML:2.0:nameid-format:entity">https://sync-
server.netcompose</saml2:Issuer>
  <saml2p:Status>
    <saml2p:StatusCode Value="urn:oasis:names:tc:SAML:2.0:status:Success"></saml2p:StatusCode>
  </saml2p:Status>
  <saml2:Assertion xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion"
xmlns:xs="http://www.w3.org/2001/XMLSchema" ID="_8ae443bf62a5b0fabceef1ba20e8330f"
```

```
IssueInstant="2025-01-16T08:11:30.043Z" Version="2.0">
  <saml2:Issuer Format="urn:oasis:names:tc:SAML:2.0:nameid-format:entity">https://sync-
server.netcompose</saml2:Issuer>
  <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
    <ds:SignedInfo>
      <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-
c14n#"></ds:CanonicalizationMethod>
      <ds:SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-
sha256"></ds:SignatureMethod>
      <ds:Reference URI="#_8ae443bf62a5b0fabceef1ba20e8330f">
        <ds:Transforms>
          <ds:Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-
signature"></ds:Transform>
          <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">
            <ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#"
PrefixList="xs"></ec:InclusiveNamespaces>
            </ds:Transform>
          </ds:Transforms>
          <ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256"></ds:DigestMethod>
          <ds:DigestValue>XvRU5/lrZYcgR9xjTjGQJ5VLRBtHHDbprEoa9ROxqzw=</ds:DigestValue>
        </ds:Reference>
      </ds:SignedInfo>

      <ds:SignatureValue>F2+sP+Aq8SHII56/9mYi2B+f6oFerlaMU81Y5IK5wD+oYNGNsOjMHbwkK5gaHWk2Isr+
TEhK0YMQTFfjUK0NLVuXHvQTyAfN3p6kxjXTXOq6TaLAfbivuUdzh1dEX61I63id//rGi92NbLU+p2TV/dmTS4fCOh
pxm5Sry5i49o=</ds:SignatureValue>
      <ds:KeyInfo>
        <ds:X509Data>

        <ds:X509Certificate>MIICKTCCAZKgAwIBAgIGAY3q71O5MA0GCSqGSIb3DQEBCwUAMFgxJzAIBgNVBAMMHm
h0dHBzOi8v
c3luYy1zZXJ2ZXlubmV0Y29tcG9zZTEcMBoGA1UECwwTRmVkZXJhdGlvbiBzZXJ2aWNlc3RMA0G
A1UECgwGU09GRkiEMB4XDTI0MDIyNzE0MjkyOVVoXDTM0MDIyNzE0MjkyOVowWDEnMCUGA1UEAwwe
aHR0cHM6Ly9zeW5jLXNlcnZlci5uZXRjb21wb3NIMRwwGgYDVQQQLDBNGZWRLcmF0aW9uIHNlcnZp
Y2VzMq8wDQYDVQQKDAZTT0ZGSUQwgZ8wDQYJKoZIhvcNAQEBBQADgY0AMIGJAoGBAJZ5G9BnTSLh
X8VOVbdyY01EUkgHexi97+e1iGA0r1WM6cTu4Ku3k7/eflB5ZZfteRKbPwa719y8Ytb5W4RFcZ6O
XzHz9o+FhG64tZHEo4xwVdukv6rOatSSlhomEhruhX+x7OpFnnlXNSCypi1xjEQylm8GJKxpxjk
RjvkgfXLAgMBAAEwDQYJKoZIhvcNAQELBQADgYEATbs8iLBYEcPdPBjtmNHYrQpXb3nc83Acmxxy
```

```
/pEe4hXaMoB1rBuxNf47liqJd9H6k5oXWcGgG8FyrdOxpY3eE8cw1s+6tM/MACMRuhuV4bQhR
FD1aizcW6fQUfvmkRLUgS1o8BMZZjCWW22FPeSkIFXATE/FvmncRGpT9JWs=</ds:X509Certificate>
  </ds:X509Data>
</ds:KeyInfo>
</ds:Signature>
<saml2:Subject>
  <saml2:NameID Format="urn:oasis:names:tc:SAML:2.0:nameid-format:persistent"
NameQualifier="https://sync-server.netcompose">Agatha</saml2:NameID>
  <saml2:SubjectConfirmation Method="urn:oasis:names:tc:SAML:2.0:cm:bearer">
    <saml2:SubjectConfirmationData Address="172.18.0.1"
InResponseTo="_5888a034d161c2f45e7c3d62c1ffd939" NotOnOrAfter="2025-01-16T08:16:30.043Z"
Recipient="https://pat.soffid.lab:8443/soffid/saml/log/post"></saml2:SubjectConfirmationData>
  </saml2:SubjectConfirmation>
</saml2:Subject>
<saml2:Conditions NotBefore="2025-01-16T08:11:30.043Z" NotOnOrAfter="2025-01-16T08:16:30.043Z">
  <saml2:AudienceRestriction>
    <saml2:Audience>https://pat.soffid.lab:8443/soffid-iam-console</saml2:Audience>
  </saml2:AudienceRestriction>
</saml2:Conditions>
<saml2:AuthnStatement AuthnInstant="2025-01-16T08:11:30.008Z"
SessionIndex="_d6a8c2cecd0e8bd085da5c4c8279444">
  <saml2:SubjectLocality Address="172.18.0.1"></saml2:SubjectLocality>
  <saml2:AuthnContext>

<saml2:AuthnContextClassRef>urn:oasis:names:tc:SAML:2.0:ac:classes>PasswordProtectedTransport</saml
2:AuthnContextClassRef>
  </saml2:AuthnContext>
</saml2:AuthnStatement>
<saml2:AttributeStatement>
  <saml2:Attribute FriendlyName="mail" Name="urn:oid:0.9.2342.19200300.100.1.3"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
    <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">agatha@soffid.com</saml2:AttributeValue>
  </saml2:Attribute>
  <saml2:Attribute FriendlyName="uid" Name="urn:oid:0.9.2342.19200300.100.1.1"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
    <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">Agatha</saml2:AttributeValue>
```

```

</saml2:Attribute>
<saml2:Attribute FriendlyName="memberOf" Name="urn:oid:1.3.6.1.4.1.5923.1.5.1.1"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified">
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">SOFFID_HOLDER_CONDOMAIN004/RRHH@soffid</saml2:AttributeValue>
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">SOFFID_VAULT_USER@soffid</saml2:AttributeValue>
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">SOFFID_USER@soffid</saml2:AttributeValue>
</saml2:Attribute>
<saml2:Attribute FriendlyName="HolderGroup" Name="urn:oid:1.3.6.1.4.1.22896.3.1.7"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified">
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">RRHH</saml2:AttributeValue>
</saml2:Attribute>
</saml2:AttributeStatement>
</saml2:Assertion>
</saml2p:Response>

```

Use case 3 - Log in to an application

User with more than one group, Primary or Secondary, with type holder group Yes. When this user log into an application --> The user will have to choose the holder group to login the application. The user will be logged-in the application with the holder group selected.

OpenID-Connect

a. User Agatha with three groups with Role holder Yes

Agatha - Agatha Christie



<input type="checkbox"/>	▼ User	▲ ▼ Group
	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>
<input type="checkbox"/>	Agatha	Sales
<input type="checkbox"/>	Agatha	RRHH
<input type="checkbox"/>	Agatha	Marketing

Displayed rows:



Please, identify yourself.

User name:

[Change user name](#)

Password:

[Login](#)[Cancel](#)

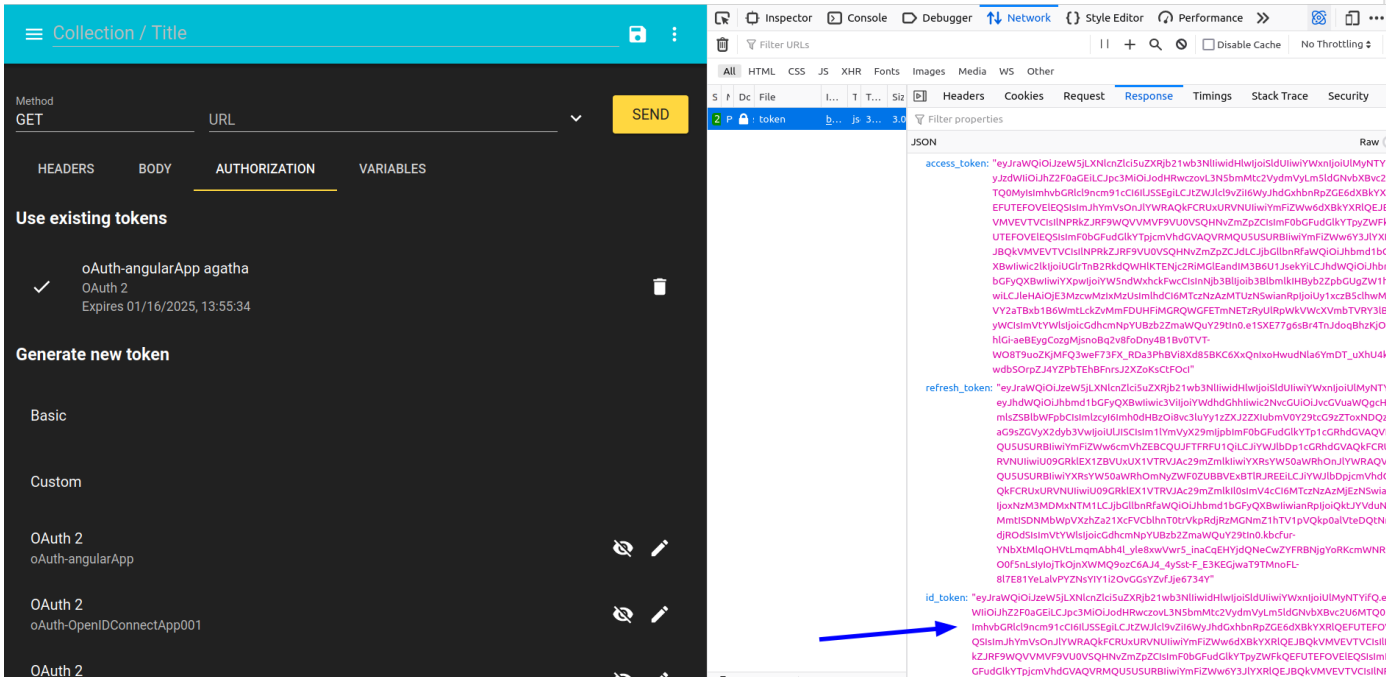
A service provider named angularApp needs to authenticate you.

c. The user has to select the holder group to login

Select the group in which you need to carry out your activities.

☒ Marketing - Marketing department☐ RRHH - RRHH department☐ Sales - Sales[Accept](#)

d. Get the JSON id_token



e. Decode the JSON Web Token using <https://jwt.io>


Here you are the scope, the holder group and the member of data

```
{
  "sub": "agatha",
  "iss": "https://sync-server.netcompose:1443",
  "holder_group": "Marketing",
  "meber_of": [
    "SOFFID_VAULT_USER@soffid",
    "SOFFID_USER@soffid"
  ],
  "nonce": null,
  "sid": "EiY52JY80Em1pzSFCypkStff2ckQzrX/",
  "aud": "angularApp",
  "azp": "angularApp",
  "auth_time": 1737038230,
  "scope": "openid profile email",
  "exp": 1737038830,
```

```
"iat": 1737038230,  
"jti": "Bit8hOnhBsUnLQ5HbQ6XRnbs2n0S_TSdZpf4DdByg3Fc1_6yPZ3QotJa7gU_C7u4",  
"email": "agatha@soffid.com"  
}
```

SAML

a. User Agatha with three groups with Role holder Yes




[Main Menu](#) > [Administration](#) > [Resources](#) > [Users](#) ◀ 10 / 324 ▶

[Basics](#) [Groups](#) [Accounts](#) [Roles](#) [Effective Roles](#) [Shared accounts](#) [Sessions](#) [User processes](#) [Issues](#) [OTP devices](#) [Tokens](#)

Agatha - Agatha Christie

<input type="checkbox"/>	▼ User	⬆ Group
	<input type="text" value="Filter"/>	<input type="text" value="Filter"/>
<input type="checkbox"/>	Agatha	Sales
<input type="checkbox"/>	Agatha	RRHH
<input type="checkbox"/>	Agatha	Marketing

Displayed rows: 

b. Login: the user type the user and password to login



Please, identify yourself.

User name: [Change user name](#)

Password: [Login](#)
[Forgot your password?](#)

A service provider named <https://pat.soffid.lab:8443/soffid-iam-console> needs to authenticate you.

c. The user has to select the holder group to login

Select the group in which you need to carry out your activities.

- ☒ Marketing - Marketing department
- ☐ RRHH - RRHH department
- ☐ Sales - Sales

[Accept](#)

d. Get the SAML response

```

<?xml version="1.0" encoding="UTF-8"?>
<saml2p:Response xmlns:saml2p="urn:oasis:names:tc:SAML:2.0:protocol"
Destination="https://pat.soffid.lab:8443/soffid/saml/log/post" ID="_1930e94d002cf87fcaa1387dbd69b930"
InResponseTo="_6d9a8a243f6009879f8493febb683619" IssueInstant="2025-01-16T14:42:08.273Z"
Version="2.0">
  <saml2:Issuer xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion"
Format="urn:oasis:names:tc:SAML:2.0:nameid-format:entity">https://sync-
server.netcompose</saml2:Issuer>
  <saml2p:Status>
    <saml2p:StatusCode Value="urn:oasis:names:tc:SAML:2.0:status:Success"></saml2p:StatusCode>
  </saml2p:Status>
  <saml2:Assertion xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion"
xmlns:xs="http://www.w3.org/2001/XMLSchema" ID="_febb3fe55db97a047426313f51c9e04e"
IssueInstant="2025-01-16T14:42:08.273Z" Version="2.0">
    <saml2:Issuer Format="urn:oasis:names:tc:SAML:2.0:nameid-format:entity">https://sync-
server.netcompose</saml2:Issuer>
    <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
      <ds:SignedInfo>
        <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-
c14n#"></ds:CanonicalizationMethod>
        <ds:SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-
sha256"></ds:SignatureMethod>
        <ds:Reference URI="#_febb3fe55db97a047426313f51c9e04e">
          <ds:Transforms>
            <ds:Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-
signature"></ds:Transform>
            <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">
              <ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#"
PrefixList="xs"></ec:InclusiveNamespaces>
            </ds:Transform>
          </ds:Transforms>
          <ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmllenc#sha256"></ds:DigestMethod>
          <ds:DigestValue>iAUWStZjBdxEjBwMff3ivxJlIXxHPpK9mVf2GZeziu8=</ds:DigestValue>
        </ds:Reference>
      </ds:SignedInfo>
      <ds:SignatureValue>N6ZRA6LXJiuve7qIkVlsdmmBp/YKrnGb4bfeV32xdPgLLvWRVQhNWSfWtidoxJUxTESnJOy
wpiwth/NHIHzSji4X/4ChV3XeP3xUZ1QV29iNm2w16KGuAUlwME/mIGMDuUdSAehaOa/2j17jVTrFL9f2QUFKcbPJ

```

```
obsWDR9vOqs=</ds:SignatureValue>
  <ds:KeyInfo>
    <ds:X509Data>

      <ds:X509Certificate>MIICKTCCAZKgAwIBAgIGAY3q71O5MA0GCSqGSIb3DQEBCwUAMFgxJzAIBgNVBAMMHm
      h0dHBzOi8v
      c3luYy1zZXJ2ZXlubmV0Y29tcG9zZTEcMBoGA1UECwwTRmVkZXJhdGlvbiBzZXJ2aWNlczEPMA0G
      A1UECgwGU09GRKIEMB4XDTI0MDIyNzE0MjkyOVVoXDTM0MDIyNzE0MjkyOVowWDEnMCUGA1UEAwwe
      aHR0cHM6Ly9zeW5jLXNlcnZlci5uZXRjb21wb3NIMRwwGgYDVQQLEDBNGZWRIcmF0aW9uIHNIcnZp
      Y2VzMqQ8wDQYDVQQKDAZTT0ZGSUQwgZ8wDQYJKoZIhvcNAQEBBQADgY0AMIGJAoGBAJZ5G9BnTSLh
      X8VOVbdyY01EUkgHexi97+e1iGA0r1WM6cTu4Ku3k7/efIB5ZZfteRKbPwa719y8Ytb5W4RfcZ6O
      XzHz9o+FhG64tZHEo4xwVdukv6rOatSSlhomEhruhX+x7OpFnnlXNSCyp11xjEQylm8GJKxpjk
      RjvkgfXLAgMBAAEwDQYJKoZIhvcNAQELBQADgYEATbs8iLBYEcPdPBjtmNHyrQpXb3nc83Acmxyy
      /pEe4hXaMoB1rBuxNf47liqajId9H6k5oXWcGgG8FyrdOxpY3eE8cw1s+6tM/MACMRuhuV4bQhR
      FD1aizcW6fQUfvmkRLUgS1o8BMZZjCWW22FPeSkIFXATE/FvmncRGpT9JWs=</ds:X509Certificate>
    </ds:X509Data>
  </ds:KeyInfo>
</ds:Signature>
<saml2:Subject>
  <saml2:NameID Format="urn:oasis:names:tc:SAML:2.0:nameid-format:persistent"
NameQualifier="https://sync-server.netcompose">Agatha</saml2:NameID>
  <saml2:SubjectConfirmation Method="urn:oasis:names:tc:SAML:2.0:cm:bearer">
    <saml2:SubjectConfirmationData Address="172.18.0.1"
InResponseTo="_6d9a8a243f6009879f8493febb683619" NotOnOrAfter="2025-01-16T14:47:08.273Z"
Recipient="https://pat.woffid.lab:8443/woffid/saml/log/post"></saml2:SubjectConfirmationData>
  </saml2:SubjectConfirmation>
</saml2:Subject>
<saml2:Conditions NotBefore="2025-01-16T14:42:08.273Z" NotOnOrAfter="2025-01-16T14:47:08.273Z">
  <saml2:AudienceRestriction>
    <saml2:Audience>https://pat.woffid.lab:8443/woffid-iam-console</saml2:Audience>
  </saml2:AudienceRestriction>
</saml2:Conditions>
  <saml2:AuthnStatement AuthnInstant="2025-01-16T14:42:08.193Z"
SessionIndex="_8a28efb06654a2baf0e0ceb3eb6ea35b">
  <saml2:SubjectLocality Address="172.18.0.1"></saml2:SubjectLocality>
  <saml2:AuthnContext>

  <saml2:AuthnContextClassRef>urn:oasis:names:tc:SAML:2.0:ac:classes>PasswordProtectedTransport</saml
```

```

2:AuthnContextClassRef>
  </saml2:AuthnContext>
</saml2:AuthnStatement>
<saml2:AttributeStatement>
  <saml2:Attribute FriendlyName="mail" Name="urn:oid:0.9.2342.19200300.100.1.3"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">agatha@soffid.com</saml2:AttributeValue>
  </saml2:Attribute>
  <saml2:Attribute FriendlyName="uid" Name="urn:oid:0.9.2342.19200300.100.1.1"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">Agatha</saml2:AttributeValue>
  </saml2:Attribute>
  <saml2:Attribute FriendlyName="memberOf" Name="urn:oid:1.3.6.1.4.1.5923.1.5.1.1"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified">
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">SOFFID_VAULT_USER@soffid</saml2:AttributeValue>
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">SOFFID_USER@soffid</saml2:AttributeValue>
  </saml2:Attribute>
  <saml2:Attribute FriendlyName="HolderGroup" Name="urn:oid:1.3.6.1.4.1.22896.3.1.7"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified">
  <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">Marketing</saml2:AttributeValue>
  </saml2:Attribute>
</saml2:AttributeStatement>
</saml2:Assertion>
</saml2p:Response>

```

Use case 4 - Log in to a second application

a. Agatha user was previously logged-in to an application

Agatha user is logged-in the angularApp Service Provider

```
{
  "sub": "agatha",
  "iss": "https://sync-server.netcompose:1443",
  "holder_group": "Marketing",
  "meber_of": [
    "SOFFID_VAULT_USER@soffid",
    "SOFFID_USER@soffid"
  ],
  "nonce": null,
  "sid": "/sYgJRDQqH2GFHsjq7SAS+JHx9ujvray",
  "aud": "angularApp",
  "azp": "angularApp",
  "auth_time": 1737042386,
  "scope": "openid profile email",
  "exp": 1737042986,
  "iat": 1737042386,
  "jti": "IQ8Ga-VB3wehrRilj6wrE9lUtnpVlo0rEwcHTbhndDuV4_kPpA7PDwCTNXhMbGly",
  "email": "agatha@soffid.com"
}
```

b. Agata user is logged-in to a second application

Agatha user is logged-in the OpenIDConnectApp001 Service Provider, with the same holder group

```
{
  "sub": "agatha",
  "iss": "https://sync-server.netcompose:1443",
  "holder_group": "Marketing",
  "meber_of": [
    "SOFFID_VAULT_USER@soffid",
    "SOFFID_USER@soffid"
  ],
  "nonce": null,
  "sid": "WP5bktBjtQG4bWJ6gR73EgB0pBvHNCgU",
  "aud": "OpenIDConnectApp001",
  "azp": "OpenIDConnectApp001",
  "auth_time": 1737042392,
}
```

```
"scope": "openid",  
"exp": 1737042992,  
"iat": 1737042392,  
"jti": "L6e3Ln6-NrELNAsY8s33gz8il7sE63PH6CSlvJhIKm6LmZsxW2F-2X81h1nyAEBc",  
"email": "agatha@soffid.com"  
}
```