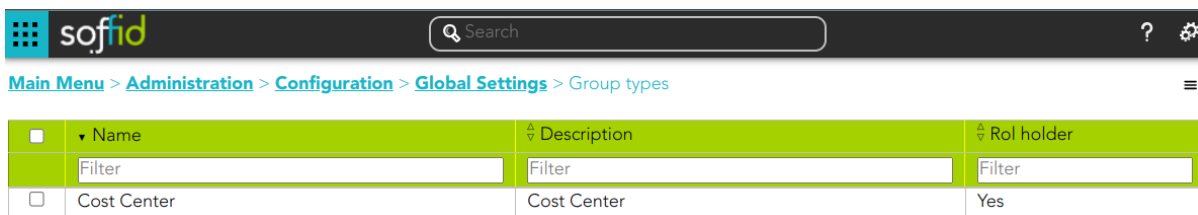


Use cases

Premises

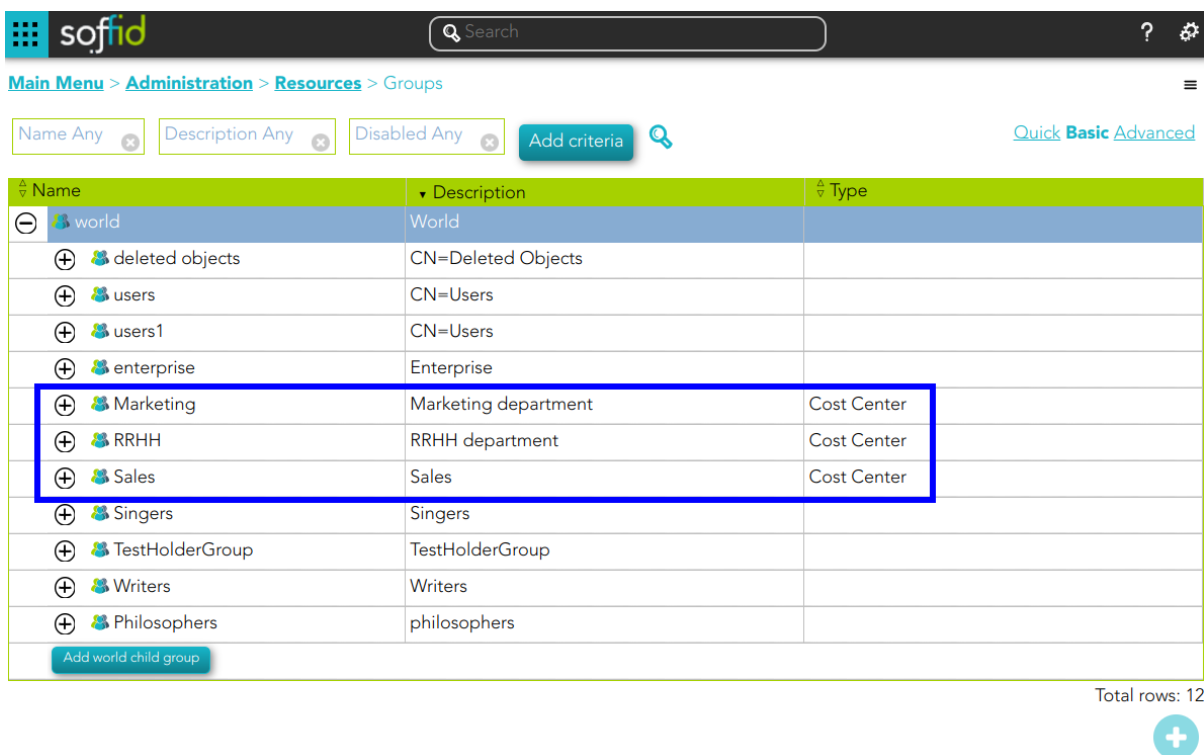
1. An Organizational Unit has been defined as Role holder Yes.



The screenshot shows the 'soffid' application interface. The breadcrumb trail is 'Main Menu > Administration > Configuration > Global Settings > Group types'. Below the header is a table with three columns: Name, Description, and Rol holder. The first row is a filter row with 'Filter' in each column. The second row shows 'Cost Center' in the Name and Description columns, and 'Yes' in the Rol holder column.

| 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.



The screenshot shows the 'soffid' application interface. The breadcrumb trail is 'Main Menu > Administration > Resources > Groups'. Below the header are filter boxes for Name, Description, and Disabled, and an 'Add criteria' button. To the right are links for 'Quick', 'Basic', and 'Advanced'. Below is a table with three columns: Name, Description, and Type. The table lists various groups, including 'Marketing', 'RRHH', and 'Sales', which are highlighted with a blue box. The 'Type' column for these groups is 'Cost Center'. At the bottom right, it says 'Total rows: 12' and there is a '+' button.

| 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 | |

3. An attribute sharing policy has been defined.

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.

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)

soffid

Search

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Groups

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Common attributes

Organization

User name :

Agatha

First name :

Agatha

Last Name :

Christie

Middle name :

Middle name

Full name :

Agatha Christie

Type :

External user

Primary group :

RRHH

RRHH department

Home server :

Home server

Profile server :

Profile server

soffid

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Agatha - Agatha Christie

| <input type="checkbox"/> | ▼ User | ⬆ Group |
|--------------------------|-------------------|-------------------|
| | <div>Filter</div> | <div>Filter</div> |
| <input type="checkbox"/> | Agatha | Writers |

Displayed rows:

+

soffid

Search

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Basics

Groups

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Agatha - Agatha Christie

| <input type="checkbox"/> | Risk | ▼ Role | ⬆ System | ⬆ Account | ⬆ Inform... | ⬆ Start date | ⬆ End date | ⬆ Domain value | ⬆ Holder. |
|--------------------------|------|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | <div>Filter</div> | <div>Filter</div> | <div>Filter</div> | <div>Filter</div> | <div>Filter</div> | <div>Filter</div> | <div>Filter</div> | <div>Filter</div> |
| <input type="checkbox"/> | | SOFFID HOLDER_CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | RRHH | RRHH |
| <input type="checkbox"/> | | SOFFID HOLDER_CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | Writers | RRHH |
| <input type="checkbox"/> | | SOFFID HOLDER_CONDOMAIN005 | soffid | Agatha | SOFFID | 20/1/2025 | | Philosophers | RRHH |

Displayed rows:

-

+

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



```

"SOFFID HOLDER_CONDOMAIN005/Philosophers@soffid",
"SOFFID_VAULT_USER@soffid",
"SOFFID HOLDER_CONDOMAIN004/Writers@soffid",
"SOFFID_USER@soffid"
],
"nonce": null,
"sid": "oeB51Jr/+rb5yE+lbG9iYsAHy1TxOFYm",
"aud": "angularApp",
"azp": "angularApp",
"auth_time": 1737365621,
"scope": "openid profile email",
"exp": 1737366221,
"iat": 1737365622,
"jti": "WW1wwRD-HaE9DCXfQv4wLRuFgGRbI1B_9wDFBd6X4ILJBv4vS6mL1yG3S0Ee_Nv",
"email": "agatha@soffid.com"
}

```

SAML

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



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Common attributes

User name :

First name :

Last Name :

Middle name :


Full name :

Organization


Type :

External user


Primary group :

 RRHH department

Home server :



Profile server :



Agatha - Agatha Christie

| <input type="checkbox"/> | ▼ User | △ Group |
|--------------------------|-------------------------------------|-------------------------------------|
| | <input type="text" value="Filter"/> | <input type="text" value="Filter"/> |
| <input type="checkbox"/> | Agatha | Writers |

Displayed rows:



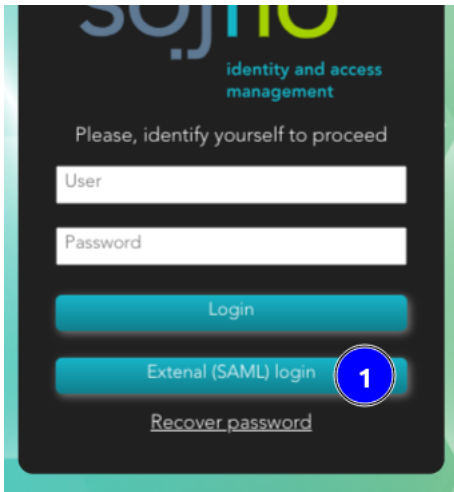
Agatha - Agatha Christie

| <input type="checkbox"/> | Risk | ▼ Role | △ System | △ Account | △ Inform... | △ Start date | △ End date | △ Domain value | △ Holder. |
|--------------------------|------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | <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="text" value="Filter"/> | <input type="text" value="Filter"/> |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | RRHH | RRHH |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | Writers | RRHH |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN005 | soffid | Agatha | SOFFID | 20/1/2025 | | Philosophers | RRHH |

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. 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="_6699870c490dcef896cb33d70187de62"
InResponseTo="_edec4bcc9b7bf081e970867995369df9" IssueInstant="2025-01-20T09:35:53.249Z"
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="_8d730eeaaa1bcfbf419568e5edc77d27"
```

```
IssueInstant="2025-01-20T09:35:53.249Z" 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="#_8d730eeaaa1bcfbf419568e5edc77d27">
        <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>qEEAkYqFFZxatl6DaVme4IfrojC3zafaKFH+TpiDurY=</ds:DigestValue>
        </ds:Reference>
      </ds:SignedInfo>

      <ds:SignatureValue>TeVSWaALsRLMwYxi71/b1k8jKYOrFb7qS9qva2T5T3yKpNLwZxnmRqWznbBM7wpr9U3V
0scfh5M1ex/NGflbADbxih7uwUVK8YSAZPwlx/4LXEx0uOxpQi7ZiDOvhb2jkKLdvztvUkBGGeJhGCJy/2WrOHIEdzs
n4T4c7TBdWZc=</ds:SignatureValue>
      <ds:KeyInfo>
        <ds:X509Data>

        <ds:X509Certificate>MIICKTCCAZKgAwIBAgIGAY3q71O5MA0GCSqGSIb3DQEBCwUAMFgxJzAIBgNVBAMMHm
h0dHBzOi8v
c3luYy1zZXJ2ZXlubmV0Y29tcG9zZTEcMBoGA1UECwwTRmVkZXJhdGlvbiBzZXJ2aWNlczEPMA0G
A1UECgwGU09GRkiEMB4XDTI0MDIyNzE0MjkyOVVoXDTM0MDIyNzE0MjkyOVowWDEnMCUGA1UEAwwe
aHR0cHM6Ly9zeW5jLXNlcnZlci5uZXRjb21wb3NIMRwwGgYDVQQQLDBNGZWRLcmF0aW9uIHNIcnZp
Y2VzMqQ8wDQYDVQQKDAZTT0ZGSUQwgZ8wDQYJKoZIhvcNAQEBBQADgY0AMIGJAoGBAJZ5G9BnTSLh
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="_edec4bcc9b7bf081e970867995369df9" NotOnOrAfter="2025-01-20T09:40:53.249Z"
Recipient="https://pat.soffid.lab:8443/soffid/saml/log/post"></saml2:SubjectConfirmationData>
  </saml2:SubjectConfirmation>
</saml2:Subject>
<saml2:Conditions NotBefore="2025-01-20T09:35:53.249Z" NotOnOrAfter="2025-01-20T09:40:53.249Z">
  <saml2:AudienceRestriction>
    <saml2:Audience>https://pat.soffid.lab:8443/soffid-iam-console</saml2:Audience>
  </saml2:AudienceRestriction>
</saml2:Conditions>
<saml2:AuthnStatement AuthnInstant="2025-01-20T09:35:53.197Z"
SessionIndex="_cd9afa8aac3a7a35abc90b488b01d458">
  <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_HOLDER_CONDOMAIN005/Philosophers@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_HOLDER_CONDOMAIN004/Writers@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

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Agatha - Agatha Christie

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

Displayed rows:

+

soffid

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Agatha - Agatha Christie

| <input type="checkbox"/> | Risk | ▼ Role | ▲ ▼ System | ▲ ▼ Account | ▲ ▼ Inform... | ▲ ▼ Start date | ▲ ▼ End date | ▲ ▼ Domain value | ▲ ▼ Holder g. |
|--------------------------|------|----------------------------|------------|-------------|---------------|----------------|--------------|------------------|---------------|
| | | Filter | Filter | Filter | Filter | Filter | Filter | Filter | Filter |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | Writers | RRHH |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | RRHH | RRHH |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | Philosophers | Sales |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN005 | soffid | Agatha | SOFFID | 20/1/2025 | | Writers | Marketing |
| <input type="checkbox"/> | | SOFFID_HOLDER_CONDOMAIN005 | soffid | Agatha | SOFFID | 20/1/2025 | | Philosophers | RRHH |

Displayed rows:

-

+

Please, identify yourself.

User name:

agatha

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

The screenshot shows a web application interface on the left and a browser's developer tools on the right. The web application has a 'Collection / Title' header and a 'SEND' button. Below it, there are tabs for 'HEADERS', 'BODY', 'AUTHORIZATION', and 'VARIABLES'. The 'AUTHORIZATION' tab is selected, showing 'Use existing tokens' and 'Generate new token' sections. Under 'Use existing tokens', there is a list of tokens, including 'oAuth 2' with a checkmark and 'Expires 01/16/2025, 13:55:34'. Under 'Generate new token', there are options for 'Basic', 'Custom', 'OAuth 2', 'oAuth-angularApp', 'oAuth-OpenIDConnectApp001', and 'OAuth 2'. The browser's developer tools on the right show the 'Network' tab with a filter for 'token'. The 'Response' tab is selected, showing a JSON object with 'access_token', 'refresh_token', and 'id_token' fields. A blue arrow points to the 'id_token' field in the JSON response.

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_HOLDER_CONDOMAIN005/Writers@soffid",
  "SOFFID_USER@soffid"
],
"nonce": null,
"sid": "+cr0VQjlUcwmuJg0jraIO4DwtPfFOH9b",
"aud": "angularApp",
"azp": "angularApp",
"auth_time": 1737366858,
"scope": "openid profile email",
"exp": 1737367458,
"iat": 1737366858,
"jti": "X1kvNUqr_-Ljgz_EHneva0-mtHTLSkhN00d3UX-dtA7LVcjpkyM0yvl5UPst9vV2",
"email": "agatha@soffid.com"
}

```

SAML

a. User Agatha with three groups with Role holder Yes



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Agatha - Agatha Christie

| | ▼ 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:



Agatha - Agatha Christie

| <input type="checkbox"/> | Risk | ▼ Role | ⚙ System | ⚙ Account | ⚙ Inform... | ⚙ Start date | ⚙ End date | ⚙ Domain value | ⚙ Holder g. |
|--------------------------|------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | <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="text" value="Filter"/> | <input type="text" value="Filter"/> |
| <input type="checkbox"/> | | SOFFID HOLDER CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | Writers | RRHH |
| <input type="checkbox"/> | | SOFFID HOLDER CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | RRHH | RRHH |
| <input type="checkbox"/> | | SOFFID HOLDER CONDOMAIN004 | soffid | Agatha | SOFFID | 20/1/2025 | | Philosophers | Sales |
| <input type="checkbox"/> | | SOFFID HOLDER CONDOMAIN005 | soffid | Agatha | SOFFID | 20/1/2025 | | Writers | Marketing |
| <input type="checkbox"/> | | SOFFID HOLDER CONDOMAIN005 | soffid | Agatha | SOFFID | 20/1/2025 | | Philosophers | RRHH |

Displayed rows:

soffid
identity and access
management

Please, identify yourself to proceed

Login

Extenal (SAML) login

1

[Recover password](#)

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="_82e187f91ad03509cbb5adc502dc75ec"
InResponseTo="_5ffefaae23a7626917de0e0d8c4866e5" IssueInstant="2025-01-20T09:56:45.504Z"
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="_f351bb2c2cb39df3eeb29f31f4e6ea02"
IssueInstant="2025-01-20T09:56:45.504Z" 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="#_f351bb2c2cb39df3eeb29f31f4e6ea02">
```

```
<ds:Transforms>
  <ds:Transform Algorithm="http://www.w3.org/2000/09/xmlsig#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>FllpGC4P+i4OYv+1MxIw2tdgPgheB6zsE2QhbHTUP3U=</ds:DigestValue>
</ds:Reference>
</ds:SignedInfo>

<ds:SignatureValue>VI2a9cx7vPKH+fppjyRQ4g+/NPknfxVzgbekaWomAxHvgNegRonlalUiRiiVLC5DdcT1dkO
85c9FJgf5x8CgEfKFRKVNcaNWRVMZIZYUR/DKjyVH0F8a8lZMdHyxB9z3xj0QVqs7536dalA38hD5p4TG4PoNttY
LhE1tFGd8Qsl=</ds:SignatureValue>
  <ds:KeyInfo>
    <ds:X509Data>

<ds:X509Certificate>MIICKTCCAZKgAwIBAgIGAY3q71O5MA0GCSqGSIb3DQEBCwUAMFgxJzAlBgNVBAMMHm
h0dHBzOi8v
c3luYy1zZXJ2ZXlubmV0Y29tcG9zZTEcMBoGA1UECwwTRmVkZXJhdGlvbiBzZXJ2aWNlczEPMA0G
A1UECgwGU09GRkIEMB4XDTI0MDIyNzE0MjkyOVVoXDTM0MDIyNzE0MjkyOVowWDEnMCUGA1UEAwwe
aHR0cHM6Ly9zeW5jLXNlcnZlci5uZXRjb21wb3NIMRwwGgYDVQQLEDBNGZWRIcmF0aW9uIHNIcnZp
Y2VzMqQ8wDQYDVQQKDAZTT0ZGSUQwgZ8wDQYJKoZIhvcNAQEBBQADgY0AMIGJAoGBAJZ5G9BnTSLh
X8VOVbdyY01EUkgHexi97+e1iGA0r1WM6cTu4Ku3k7/eflB5ZZfteRKbPwa719y8Ytb5W4RFcZ6O
XzHz9o+FhG64tZHEo4xwVdukv6rOatSSlhomEhruhX+x7OpFnnlXNSCypi1xjEqYlm8GJKxpxjk
RjvkglXLA gMBAAEWdQYJKoZIhvcNAQELBQADgYEATbs8iLBYEcPdPBjtmNHyrQpXb3nc83Acmxyy
/pEe4hXaMoB1rBuxNf47liqJalD9H6k5oXWcGgG8FyrdOxpY3eE8cw1s+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="_5ffefaae23a7626917de0e0d8c4866e5" NotOnOrAfter="2025-01-20T10:01:45.504Z"
Recipient="https://pat.soffid.lab:8443/soffid/saml/log/post"></saml2:SubjectConfirmationData>
</saml2:SubjectConfirmation>
</saml2:Subject>
<saml2:Conditions NotBefore="2025-01-20T09:56:45.504Z" NotOnOrAfter="2025-01-20T10:01:45.504Z">
<saml2:AudienceRestriction>
<saml2:Audience>https://pat.soffid.lab:8443/soffid-iam-console</saml2:Audience>
</saml2:AudienceRestriction>
</saml2:Conditions>
<saml2:AuthnStatement AuthnInstant="2025-01-20T09:56:45.461Z"
SessionIndex="_31bb4c1105aa3c363a69b299e577d9cd">
<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_HOLDER_CONDOMAIN005/Writers@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",
  "member_of": [
    "SOFFID_VAULT_USER@soffid",
    "SOFFID_HOLDER_CONDOMAIN005/Writers@soffid",
    "SOFFID_USER@soffid"
  ],
  "nonce": null,
  "sid": "+cr0VQjIUcwmuJg0jraIO4DwtPfFOH9b",
  "aud": "angularApp",
  "azp": "angularApp",
  "auth_time": 1737366858,
  "scope": "openid profile email",
  "exp": 1737367458,
  "iat": 1737366858,
  "jti": "X1kvNUqr_-Ljgz_EHneva0-mtHTLSkhN00d3UX-dtA7LVcjpkym0yvi5UPst9vV2",
  "email": "agatha@soffid.com"
}
```

b. Agatha 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",
  "member_of": [
    "SOFFID_VAULT_USER@soffid",
    "SOFFID_HOLDER_CONDOMAIN005/Writers@soffid",
    "SOFFID_USER@soffid"
  ],
  "nonce": null,
  "sid": "WDSQEzO6LlgxvQkq/zylzL/LddKKy/j0",
  "aud": "OpenIDConnectApp001",
  "azp": "OpenIDConnectApp001",
  "auth_time": 1737367082,
  "scope": "openid",
  "exp": 1737367683,
  "iat": 1737367083,
  "jti": "C5xSE7UK0lgwgff5CI7SPnpZvcRSm8WI0GZMXXObKdCMOuP50qbZjCcuGW7KpJqN",
  "email": "agatha@soffid.com"
}
```

Revision #22

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