

# Connecting Soffid console

## Introduction

Soffid console has a built-in SAML client, so it can act as a service provider in the Soffid federation. It is interesting to use this configuration, as it allows you to enforce the use of two factors authentication to log into the Soffid console.

## Register Soffid as a service provider

1. Enable the SAML protocol in the Soffid console:

1.1. Open the **Authentication** page:

Main Menu > Administration > Configure Soffid > Security settings > Authentication

1.2. You must enable the **External XAML identity provider**.

1.3. Then you must fill in the fields:

### External SAML identity provider

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Enabled
Soffid server host name:	<input type="text" value="http://demolab.soffid.pat.lab:8080"/>
SAML federation metadata URL:	<input type="text" value="java.com.soffid.iam.addons.federation.service.impl.InternalMetad:"/>
Cache limit (seconds):	<input type="text" value="600"/>
Identity provider:	<input type="text" value="tenantidp003"/>
SAML attribute containing user name:	<input type="text"/>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Enable SAML debug log

- **Soffid server host name:** URL of the Soffid console.
- **SAML federation metadata URL:** URL where the whole federation metadata can be obtained. It used to be <https://your.primary.sync.server:760/SAML/metadata.xml>  
Sometimes, an error as "unable to find valid certification path to requested target" could be displayed.

In that case, you must obtain the public certificate from the sync server and store in your Java trusted certs repository. To do that, use the keytool command. The trusted certs repository is located at <JAVA\_HOME>/lib/security/cacerts

The command should look like the next one. When prompted for a password type in "changeit"

```
root@myserver:~$ /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/keytool
-import -file /tmp/RootCA -trustcacerts -alias syncserver
-keystore /usr/lib/jvm/java-8-openjdk-amd64/jre/lib/security/cacerts
```

- **Cache limit (seconds):** the amount of time the metadata should be kept in memory before refreshing.
- **Identity provider:** after reading the federation metadata, this drop-down box lets you select any identity provider present at the federation. Usually, you will select the Soffid IdP.

## 2. Download Soffid console metadata:

### 2.1. Open the **Authentication** page:

Main Menu > Administration > Configure Soffid > Security settings > Authentication

### 2.1. Click the **Download metadata** button and save the file.



This XML file is the metadata descriptor for the console, including a self-signed certificate generated to sign SAML requests.

The XML file will be like the next one:

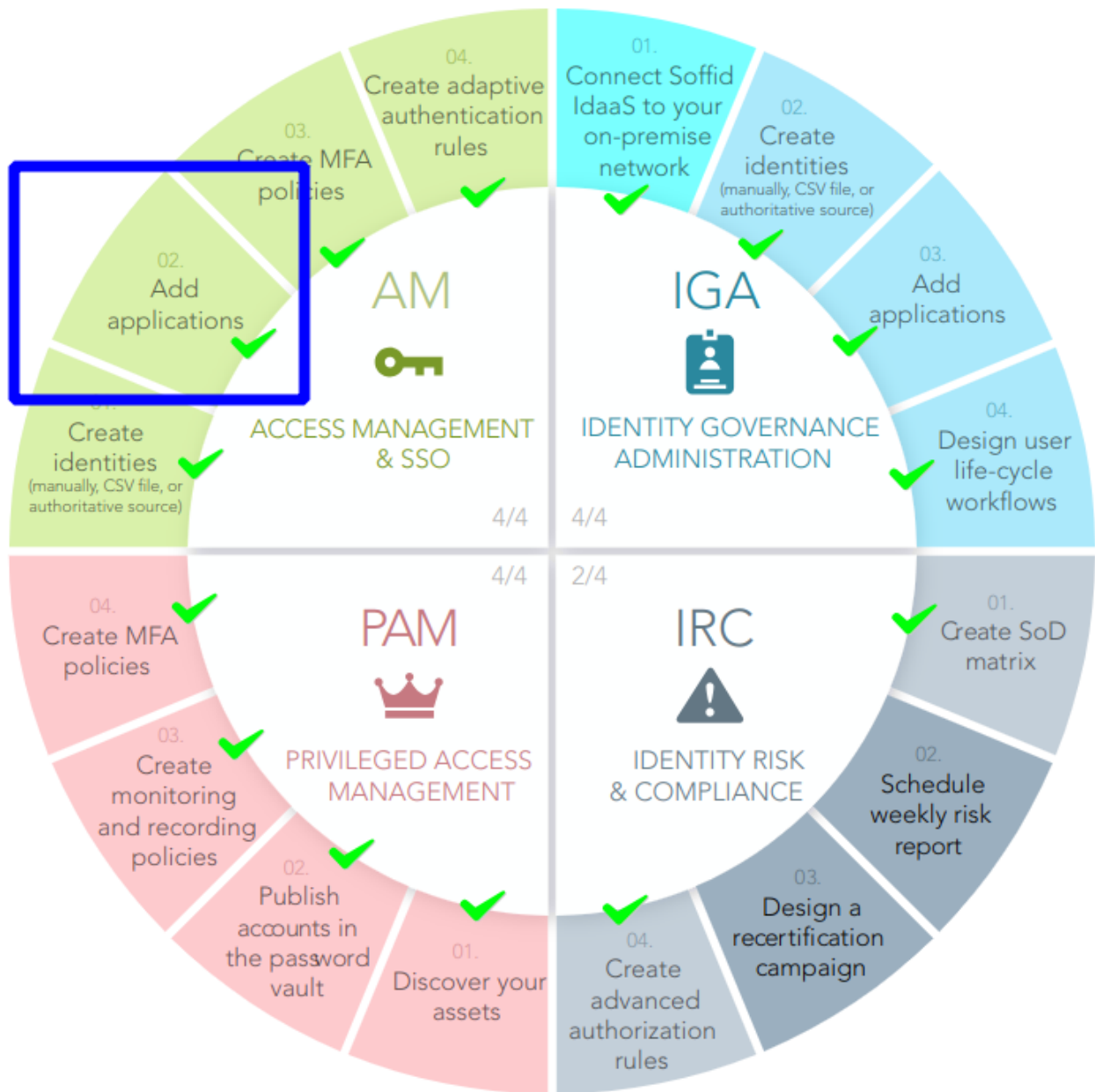
```

▼<md:EntityDescriptor xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata" entityId="http://soffid.pat.lab:8080/soffid-iam-console">
  ▼<md:SPSSODescriptor AuthnRequestsSigned="true" WantAssertionsSigned="true"
    protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol">
    ▼<md:KeyDescriptor use="signing">
      ▼<ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        <ds:KeyName>saml-key</ds:KeyName>
        ▼<ds:X509Data>
          <ds:X509SubjectName>0=Soffid, CN=SOFFID-SAML-SP</ds:X509SubjectName>
          <ds:X509Certificate>MIIBzTCCATagAwIBAgIGAXEYBRcsMA0GCSqGSIb3DQEBBQUAMCoxFzAVBgNVBAMMDlNPRkZJRC1T
          QUI1MLVNOQM08wDQYDVQQKDAZTb2ZmaWQwHhcNMjAwMzI2MTgwNTE5WhcNNDAwNDEwMTgwNTE5WjAq
          MRcwFQYDVQQDA5TT0ZGSUQtU0FNTCT1TUDEPMA0GA1UECgwGU29mZmlkMIGfMA0GCSqGSIb3DQEB
          AQUAA4GNADCBiQKBgQD0Pz+PZ/NKerLM09da86pznnke/sPflsrv4XfyzRag56PvZZMkdIA7prYx
          k09wGx3CUCsQXZfE3iQvbhr/QyC83GvePLXmdSNNaYq+YhcfnwexbmcuyhMjiCKK+LMJck5EN7+
          0RXpa46acLIXPjdLLBeoz+k89SuxLbcfCSAi4QIDAQABMA0GCSqGSIb3DQEBBQUAA4GBAior1gyE
          RaRAqj95FbUIA4qrx0R8apqyYnjKgZqGBGoWUARUCjx44LdXi5ZD0mEMA6Upjz8nnpYSHUIaEyum
          q9m7PJLZEbdNFYy0qFVqFjEkxVov0pNIhKM1iCEI9sDhXyo0gT0zouvEj2jBuKeazuz4pScK238N
          m0m/SKlGYu9s</ds:X509Certificate>
        </ds:X509Data>
      </ds:KeyInfo>
    </md:KeyDescriptor>
    ▼<md:KeyDescriptor use="encryption">
      ▼<ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        <ds:KeyName>saml-key</ds:KeyName>
        ▼<ds:X509Data>
          <ds:X509SubjectName>0=Soffid, CN=SOFFID-SAML-SP</ds:X509SubjectName>
          <ds:X509Certificate>MIIBzTCCATagAwIBAgIGAXEYBRcsMA0GCSqGSIb3DQEBBQUAMCoxFzAVBgNVBAMMDlNPRkZJRC1T
          QUI1MLVNOQM08wDQYDVQQKDAZTb2ZmaWQwHhcNMjAwMzI2MTgwNTE5WhcNNDAwNDEwMTgwNTE5WjAq
          MRcwFQYDVQQDA5TT0ZGSUQtU0FNTCT1TUDEPMA0GA1UECgwGU29mZmlkMIGfMA0GCSqGSIb3DQEB
          AQUAA4GNADCBiQKBgQD0Pz+PZ/NKerLM09da86pznnke/sPflsrv4XfyzRag56PvZZMkdIA7prYx
          k09wGx3CUCsQXZfE3iQvbhr/QyC83GvePLXmdSNNaYq+YhcfnwexbmcuyhMjiCKK+LMJck5EN7+
          0RXpa46acLIXPjdLLBeoz+k89SuxLbcfCSAi4QIDAQABMA0GCSqGSIb3DQEBBQUAA4GBAior1gyE
          RaRAqj95FbUIA4qrx0R8apqyYnjKgZqGBGoWUARUCjx44LdXi5ZD0mEMA6Upjz8nnpYSHUIaEyum
          q9m7PJLZEbdNFYy0qFVqFjEkxVov0pNIhKM1iCEI9sDhXyo0gT0zouvEj2jBuKeazuz4pScK238N
          m0m/SKlGYu9s</ds:X509Certificate>
        </ds:X509Data>
      </ds:KeyInfo>
    </md:KeyDescriptor>
    <md:SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:SOAP"
      Location="http://soffid.pat.lab:8080/soffid/saml/slo/soap"/>
    <md:SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"
      Location="http://soffid.pat.lab:8080/soffid/saml/slo/post"/>
    <md:SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect"
      Location="http://soffid.pat.lab:8080/soffid/saml/slo/redirect"/>
    <md:NameIDFormat>urn:oasis:names:tc:SAML:2.0:nameid-format:persistent</md:NameIDFormat>
    <md:AssertionConsumerService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"
      Location="http://soffid.pat.lab:8080/soffid/saml/log/post" index="0"/>
    <md:AssertionConsumerService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST-SimpleSign"
      Location="http://soffid.pat.lab:8080/soffid/saml/log/simple-post" index="2"/>
  </md:SPSSODescriptor>
</md:EntityDescriptor>

```

3. Register Soffid Metadata in the third-party Identity Provider.

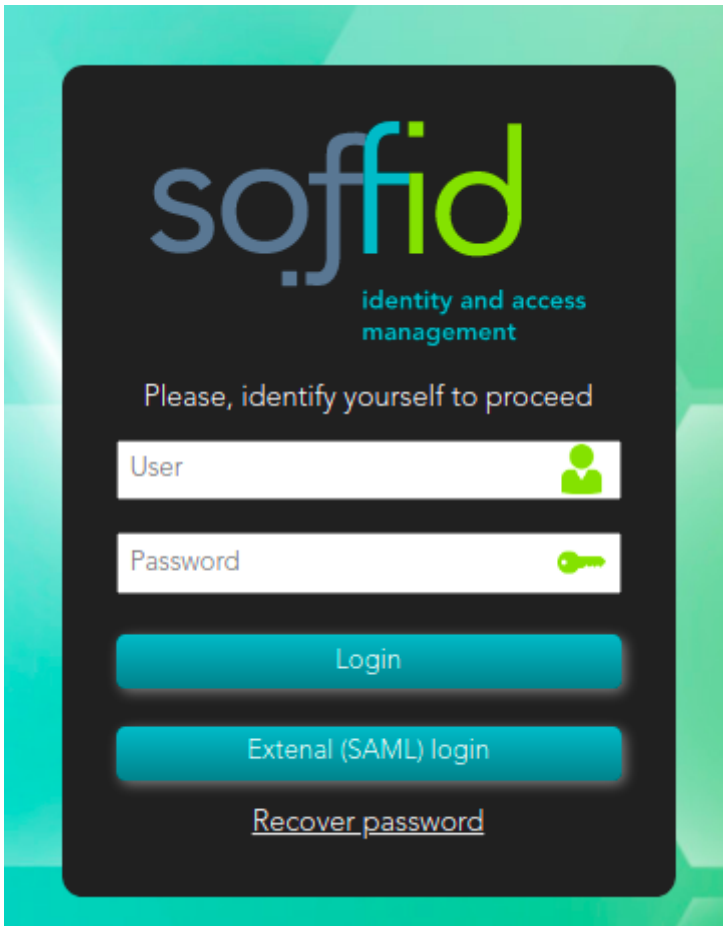
4. You can use the Wizard to Add Applications



For more information, visit [the Add Applications page](#).

## 5. Test it



**5.1.** Next time you log into the Soffid console, a new button will appear for **External (XAML) login**





**5.2.** Click on the External (SAML) login button, and the user will be forwarded to the identity provider.



Please, identify yourself.

User name:   Password:  

User name:   One time password :  

 [Kerberos ticket](#)

If you have got a valid digital certificate, you can log in using it

A service provider named `http://soffid.bubu.lab:8080/soffid-iam-console` needs to authenticate you.

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