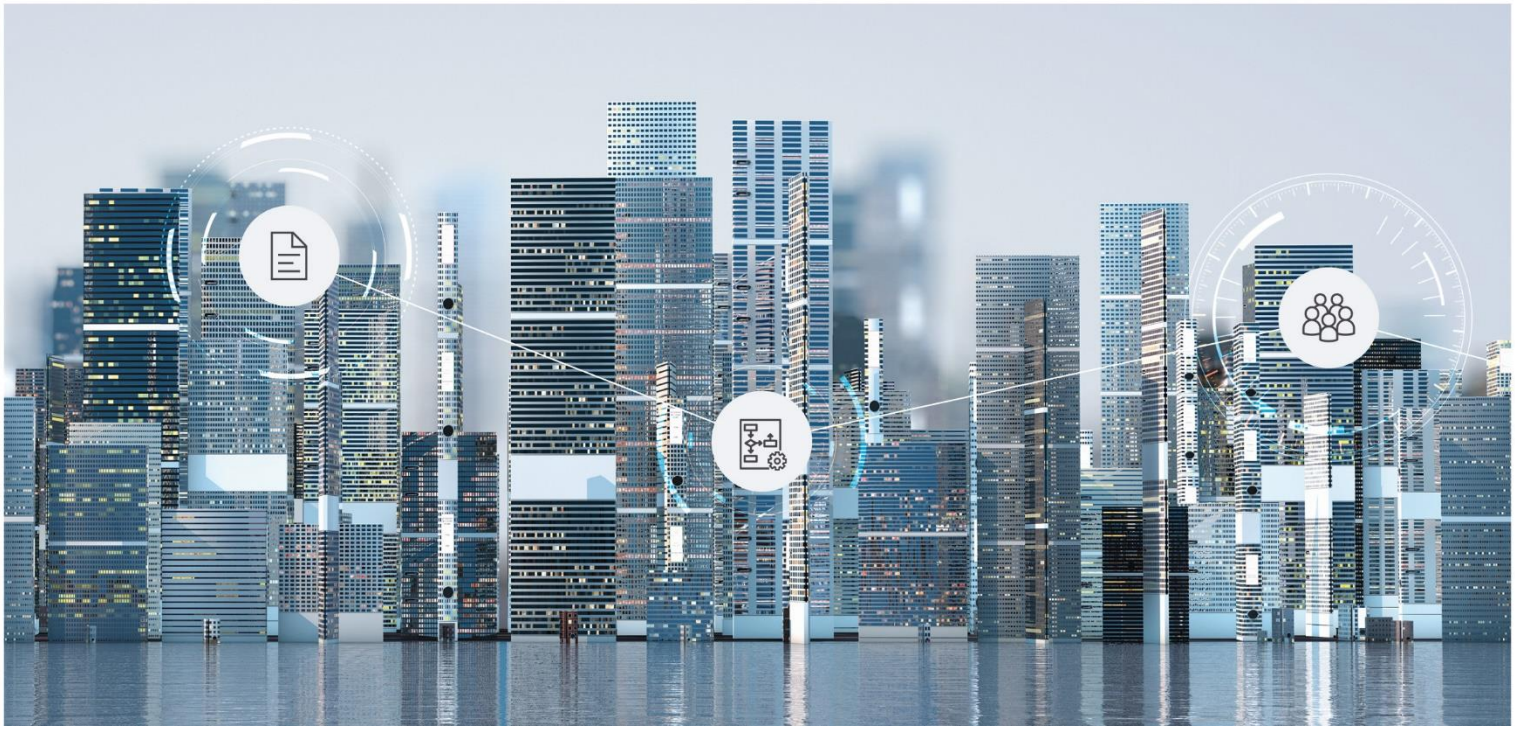
Fabasoft



White Paper

Configuration of Single Sign-On

2023 March Release

Contents

1 Introduction

You can use your own identity provider based on SAML 2.0 for authentication in the Fabasoft Cloud. This document describes how to enable single sign-on for your cloud organization.

2 Configuration in the Fabasoft Cloud

The configuration of your cloud organization is carried out in the "Advanced Settings" via the "Login Options" > "Active Directory / SAML 2.0" action. You need the following data:

- e-mail domains that should be handled by the login server
- metadata.xml (exported from your identity provider)

More information can be found here:

https://help.cloud.fabasoft.com/index.php?topic=doc/Administration-Help-Fabasoft-Cloud-eng/advanced-settings.htm#login-options-active-directory--saml-20

3 Configuration of an Arbitrary SAML 2.0 Identity Provider

To carry out the necessary configuration steps, please refer to the corresponding third-party documentation.

The metadata of the Fabasoft Cloud identity provider can be found here:

`https://<server>/idp/saml/metadata`

For example: `https://idp.cloud.fabasoft.com/idp/saml/metadata`

The `NameID` must contain the user's e-mail address, which is used for the Fabasoft Cloud log-in.

The following attributes must be provided in the assertion's `AttributeStatement`:

- `http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname`
- `http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname`

Assertions must be signed using `SHA-256`.

4 Configuration of Active Directory Federation Services (AD FS)

Active Directory Federation Services can be used as identity provider. The following chapters describe how to configure AD FS for the Fabasoft Cloud.

4.1 Prerequisites

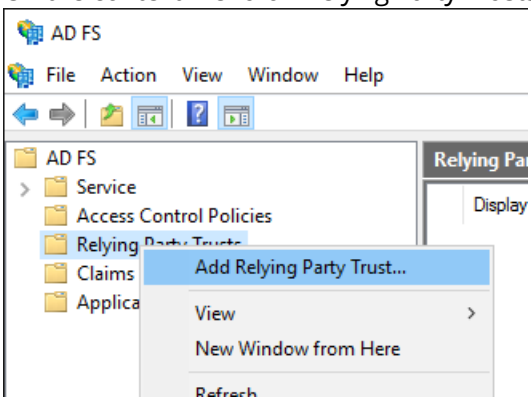
The following prerequisites must be fulfilled:

- Microsoft Active Directory Federation Services 2.0
  Note: Microsoft Windows Server 2008 R2 includes AD FS 1.0, which does not support SAML 2.0 - you need to install the AD FS 2.0 'release to web' (RTW) package.
- The hotfix http://support.microsoft.com/kb/2159360/en-us needs to be installed.
- To be able to login via the mobile app you need a valid HTTPS certificate for the AD FS server.

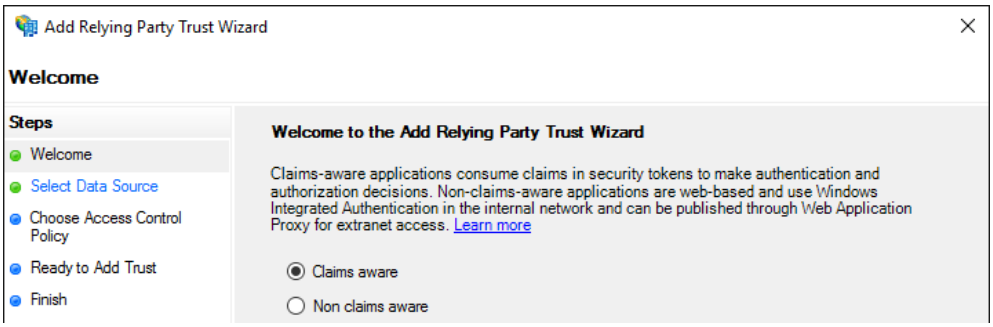
4.2 Configure Your AD FS

To configure your AD FS for the Fabasoft Cloud, perform the following steps:

1. Start the "AD FS Management" ("Server Manager" > "Tools").
2. On the context menu of "Relying Party Trusts", click "Add Relying Party Trust".

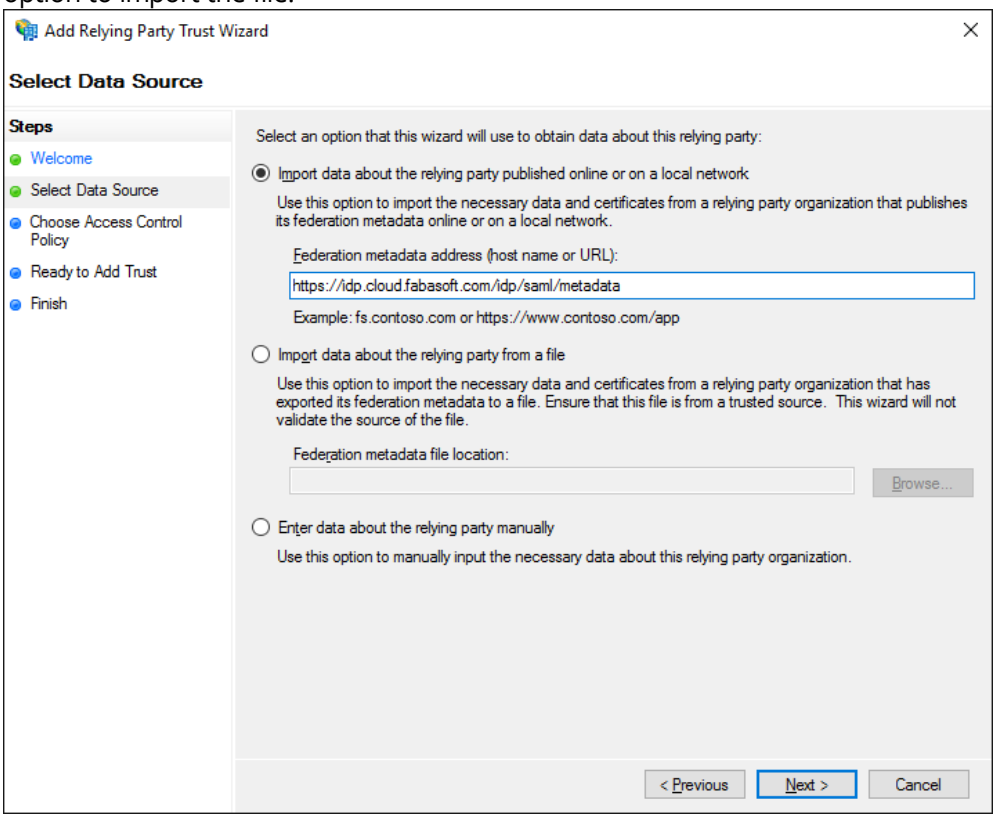


3. Select *Claims aware* and click "Start".

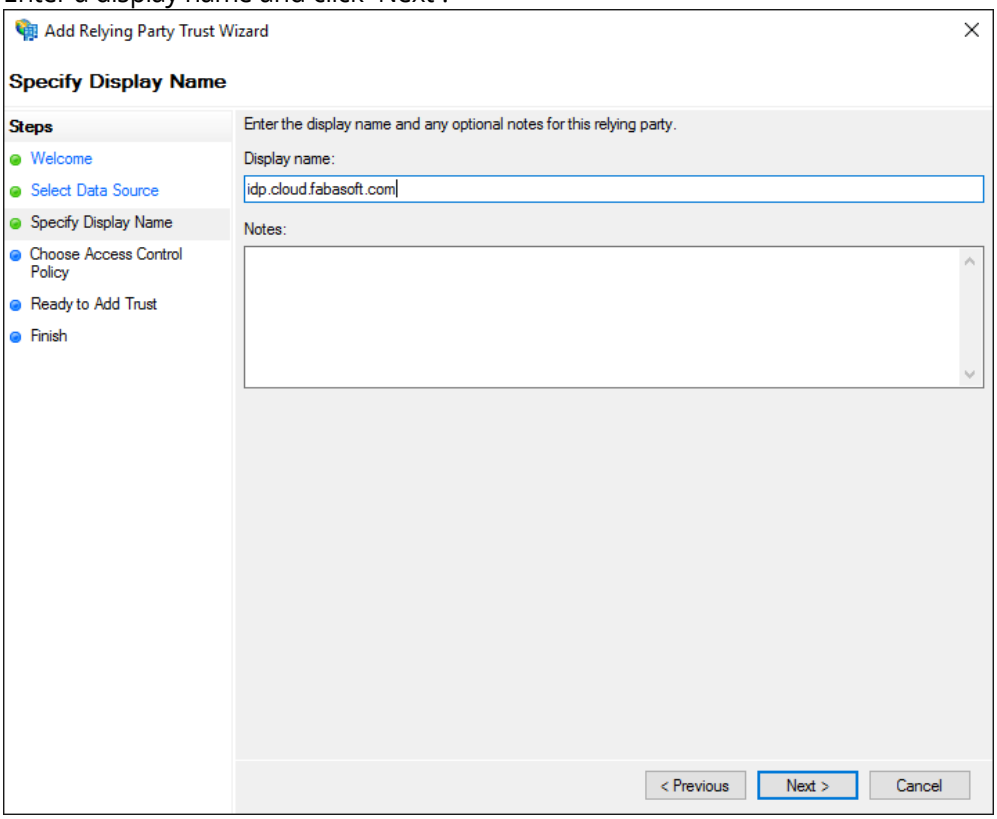


4. Enter the URL `https://<server>/idp/saml/metadata` (e.g. `https://idp.cloud.fabasoft.com/idp/saml/metadata`) in the *Federation metadata address* field and click "Next".
   Note: Alternatively, you can download the `metadata.xml` from the URL and use the second

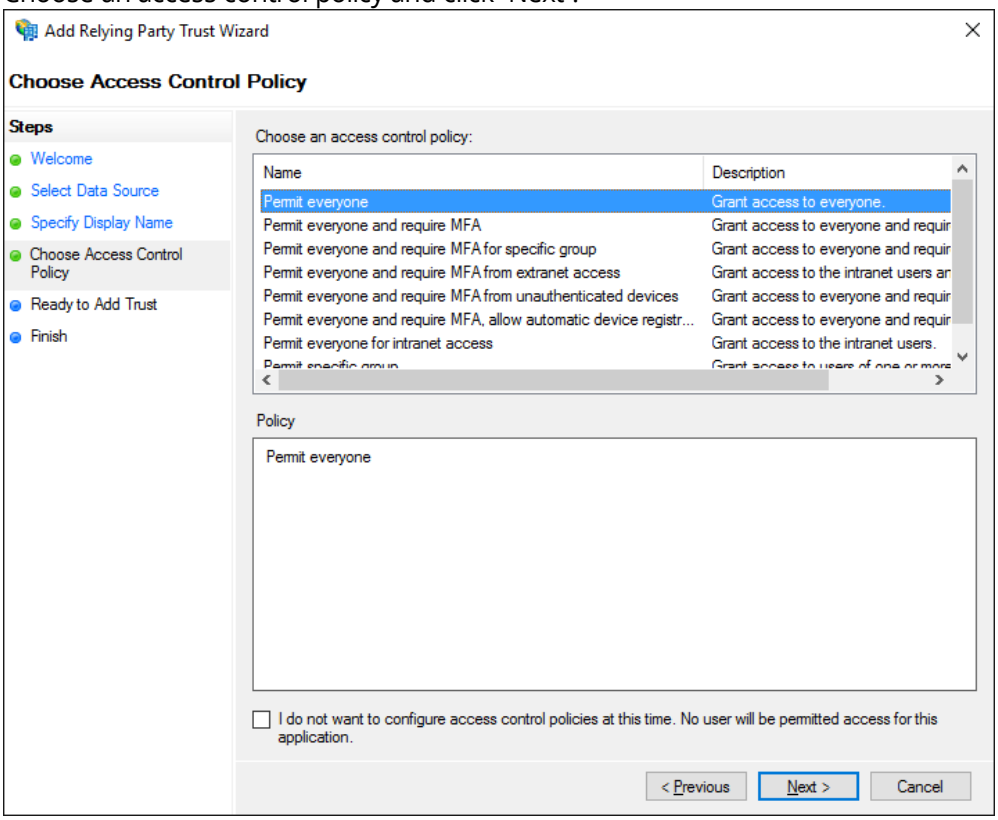
option to import the file.



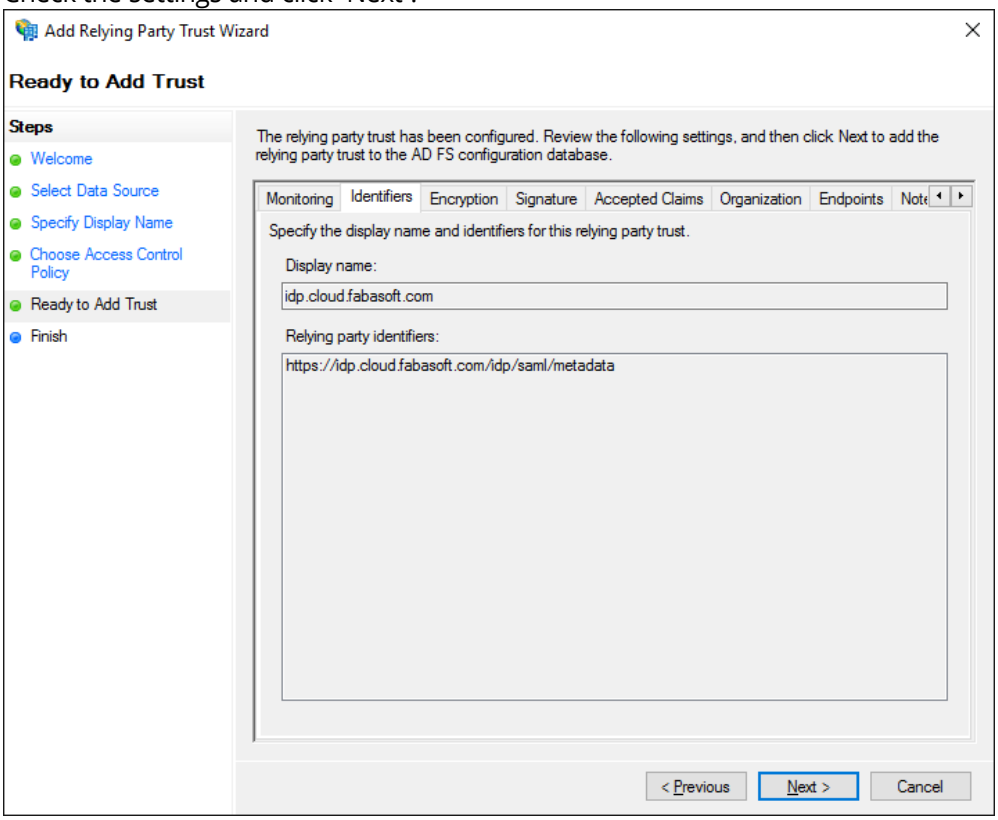
5. Enter a display name and click “Next”.



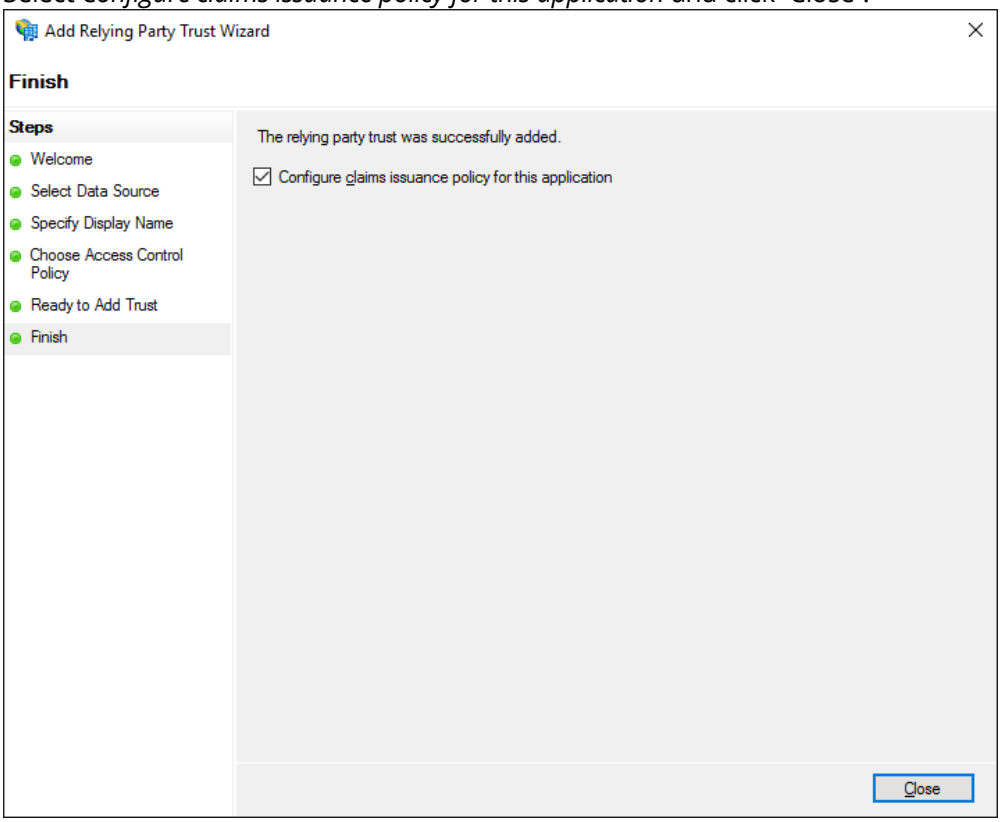
6. Choose an access control policy and click “Next”.



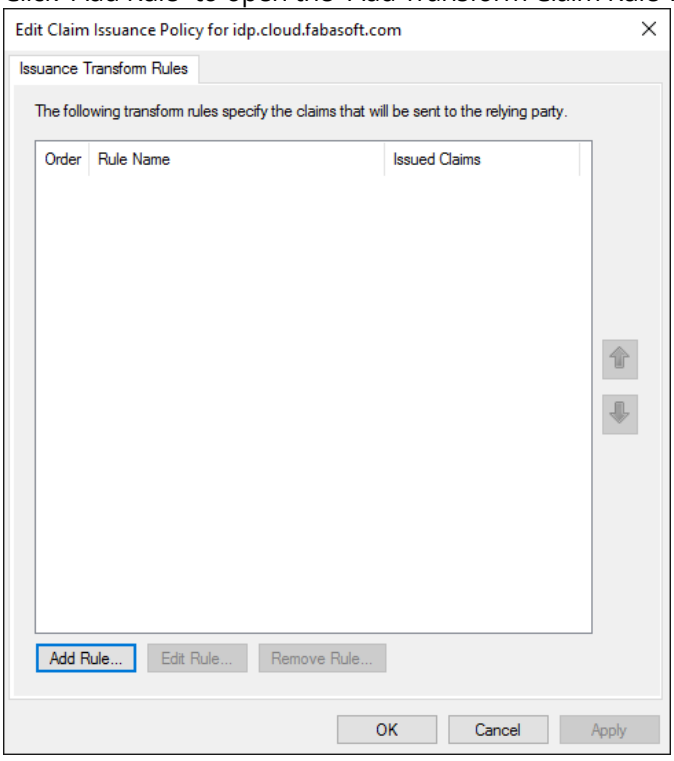
7. Check the settings and click “Next”.



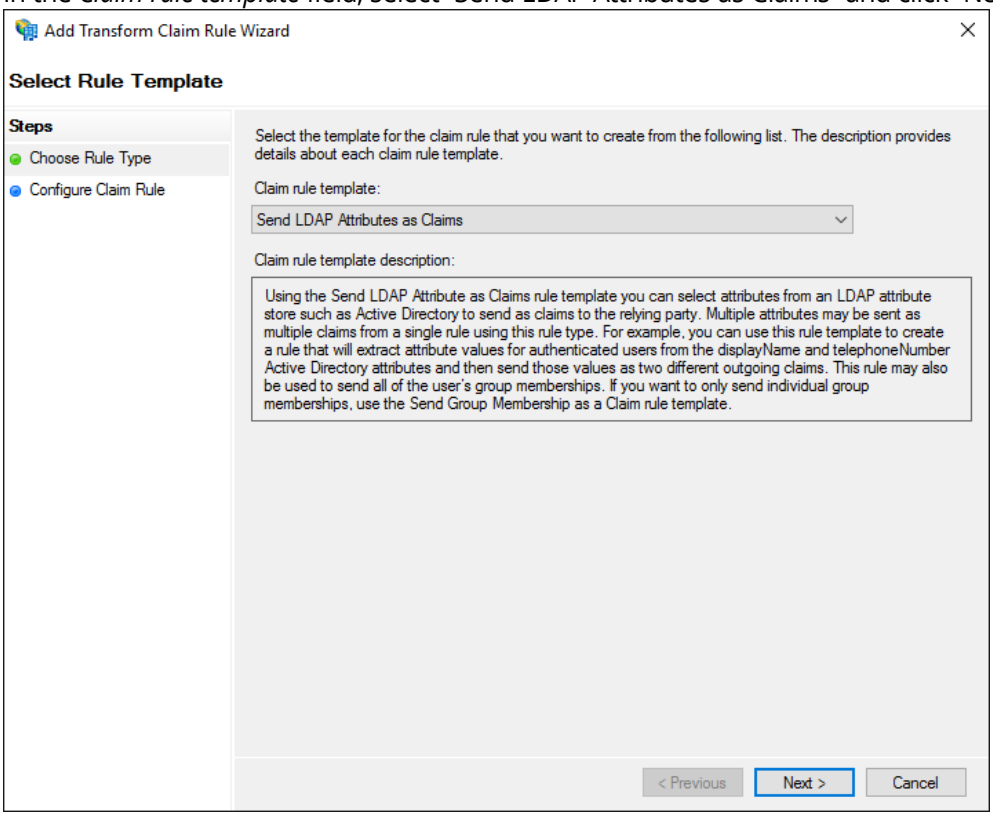
8. Select *Configure claims issuance policy for this application* and click "Close".



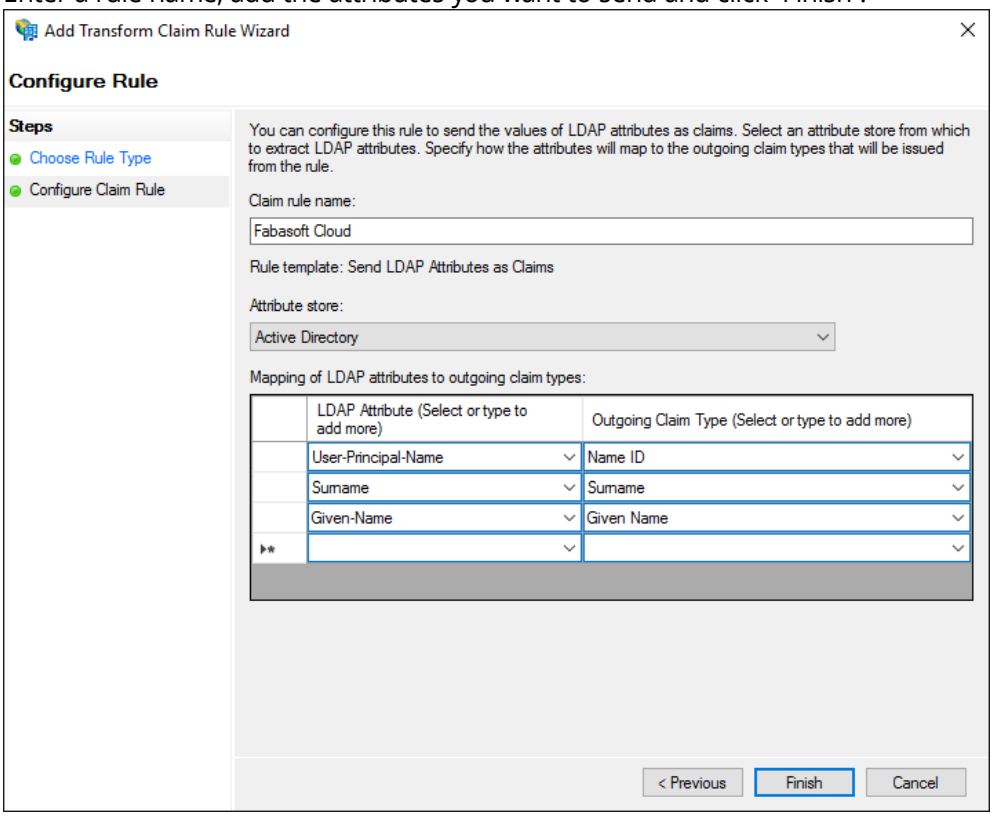
9. Click "Add Rule" to open the "Add Transform Claim Rule Wizard".



10. In the *Claim rule template* field, select "Send LDAP Attributes as Claims" and click "Next".



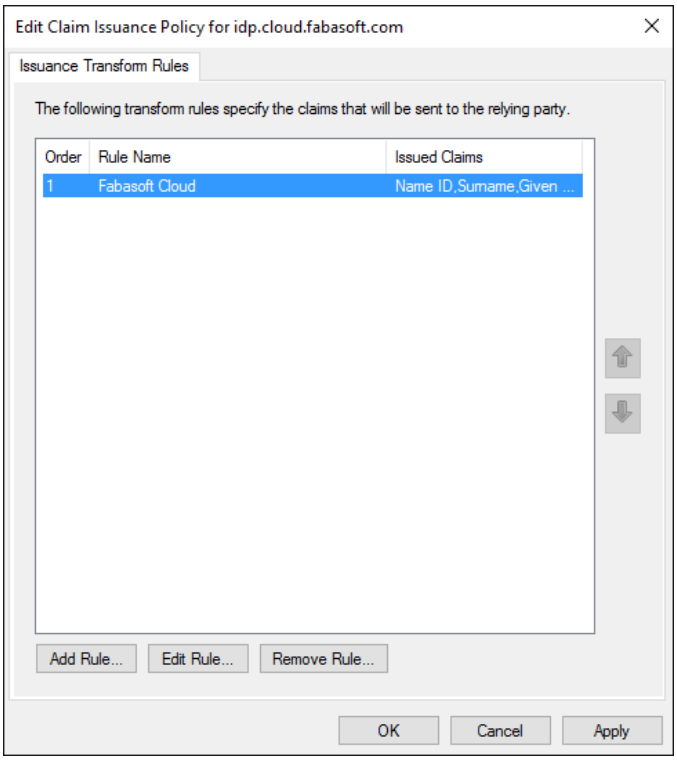
11. Enter a rule name, add the attributes you want to send and click "Finish".



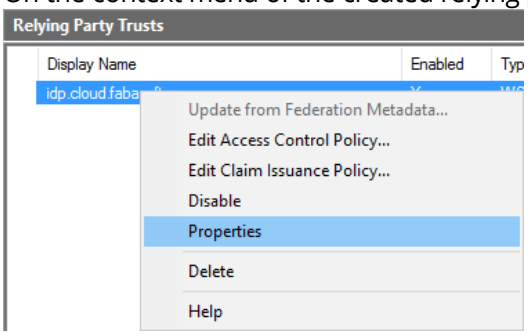
At least the following outgoing claim types must be defined:

- Name ID
  The LDAP attribute that is assigned to the outgoing claim type “Name ID” must contain the user’s e-mail address, which is used for the Fabasoft Cloud log-in.
- Surname
- Given Name

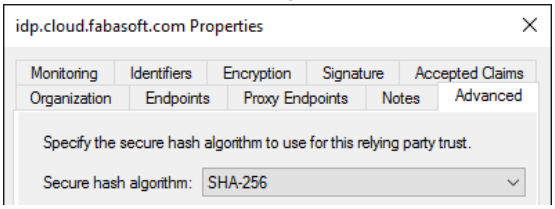
12. Click “OK”.



13. On the context menu of the created relying party trust, click “Properties”.



14. Click the “Advanced” tab, select the secure hash algorithm “SHA-256” and click “OK”.



4.3 Metadata

The `FederationMetadata.xml` metadata file can be opened and saved using the following link:
`https://<your AD FS>/FederationMetadata/2007-06/FederationMetadata.xml`

The XML file must be uploaded to your cloud organization (“Advanced Settings” > “Login Options” > “Active Directory / SAML 2.0” action).

5 Configuration of Azure Active Directory

Azure Active Directory can be used as identity provider. The following chapters describe how to configure Azure Active Directory for the Fabasoft Cloud.

5.1 Configure Your Azure Active Directory

To create an enterprise app, proceed as follows:

1. Open https://portal.azure.com/ and log in to an account with global administrator access.
2. On the left panel, click “Azure Active Directory”.
3. Click “Enterprise Applications”.
4. Click “New Application”.
5. Select “Non-gallery application” under the “Add your own app” section.
6. Type your desired application name then click “Add”.

Note: To be able to add your own app an Azure AD Premium license is required.

5.2 Metadata

To configure single sign-on for the enterprise app, proceed as follows:

1. On the application overview page, click “Set up single sign-on”.
2. Select “SAML” from the single sign-on method list.
3. Upload the Fabasoft Cloud metadata file (`https://<server>/idp/saml/metadata`) and click “Save”.
4. In the “SAML Signing Certificate” section, download the “Federation Metadata XML”.
5. In the “Set up <name>” section, note down the “Azure AD Identifier”.

The XML file must be uploaded to your cloud organization (“Advanced Settings” > “Login Options” > “Active Directory / SAML 2.0” action).

5.3 Users

To configure users who should be able to log in, proceed as follows:

1. On the application overview page, click “Assign users and groups”.
2. Define the users who should be able to log in.

6 Hints

The following hints may be helpful for troubleshooting.

Login With AD FS Fails With Error “SAML Message has wrong signature”

Have a look at http://social.technet.microsoft.com/Forums/en-US/4acc04b7-aac7-43e9-ba50-9570503045f9/msis0038-saml-message-has-wrong-signature.

Login with Google Chrome Fails

Certain client browser software does not support the Extended Protection for Authentication (e.g. Google Chrome). If web browsers that do not support "Extended Protection for Authentication" should be used, you may have to adjust a feature setting in AD FS 2.0.

http://technet.microsoft.com/en-us/library/hh237448%28WS.10%29.aspx

Integrated Authentication With Mozilla Firefox

Integrated authentication with Mozilla Firefox needs further configuration. The information can be found here: https://developer.mozilla.org/en-US/docs/Integrated_Authentication.