ADFS Integration for Silent Circle Enterprise Customers

System Requirements

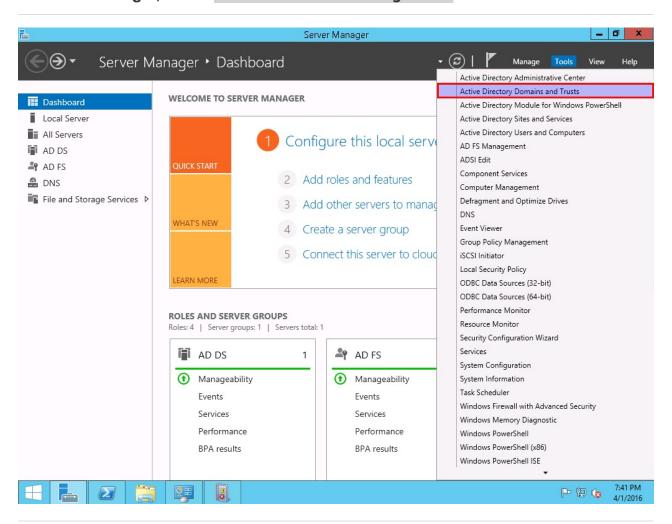
- Microsoft Windows Server 2012 R2
- Microsoft Active Directory Federation Services 3.0

Configuration Steps

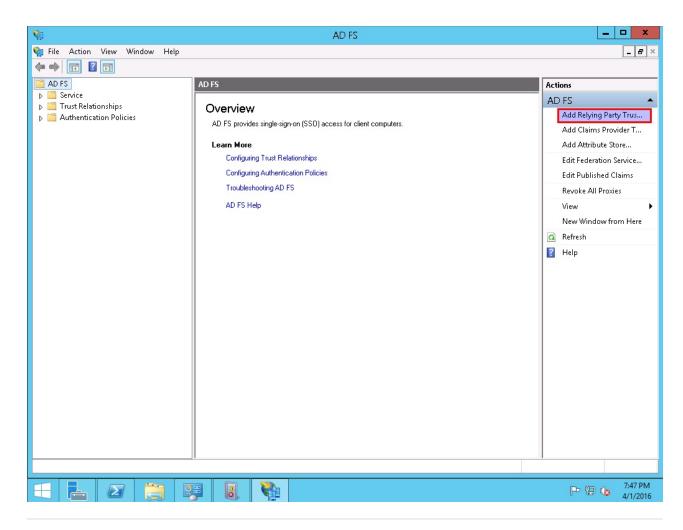
Configure Active Directory Federation Services (ADFS)

This is where we add the Silent Circle trust relationship.

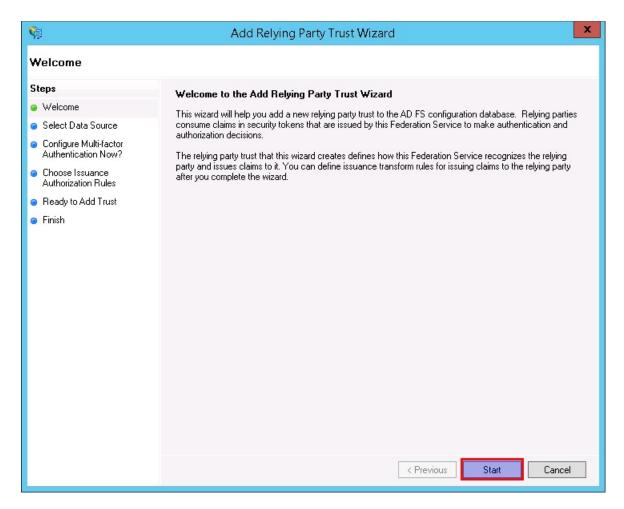
In Server Manager, select Tools > AD FS Management.



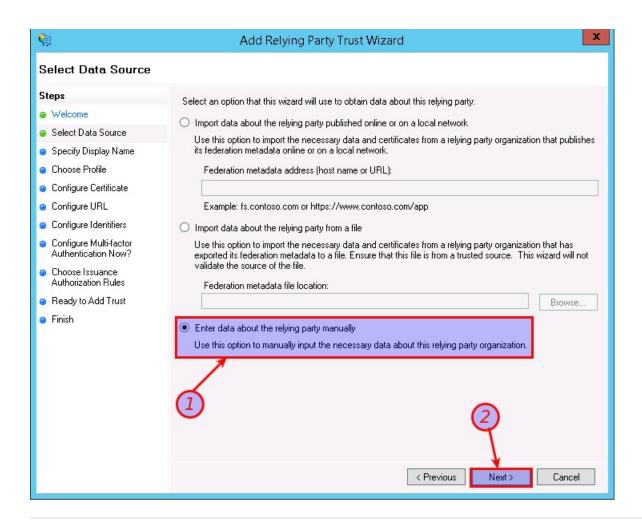
Launch the Add Relying Party Trust Wizard



Start the Add Relying Party Trust Wizard

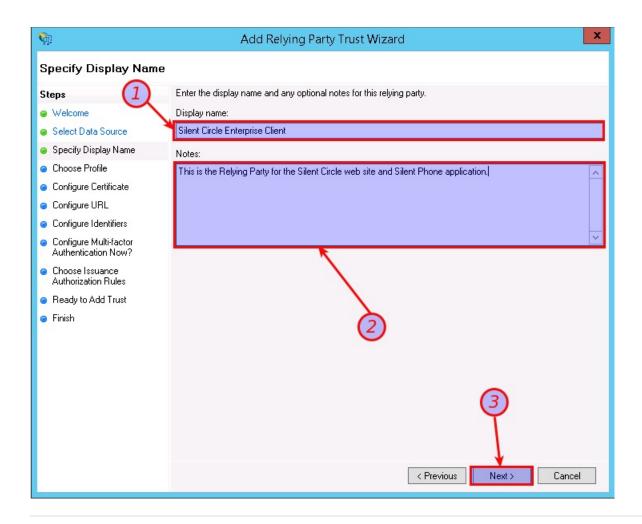


Select Enter data about the relying party manually

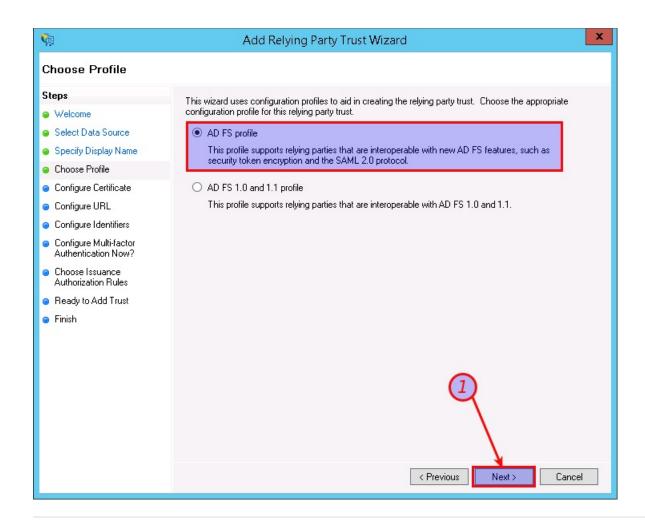


Add Silent Circle information

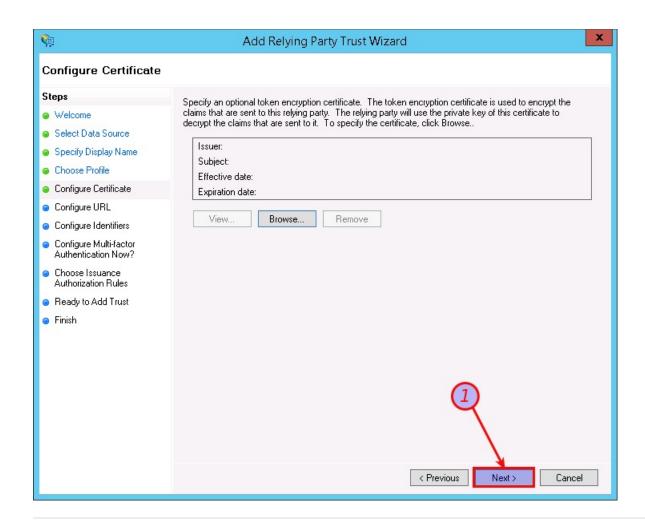
- Enter "Silent Circle Enterprise Client" in Display name, and any notes that might be of interest.
- Click Next.



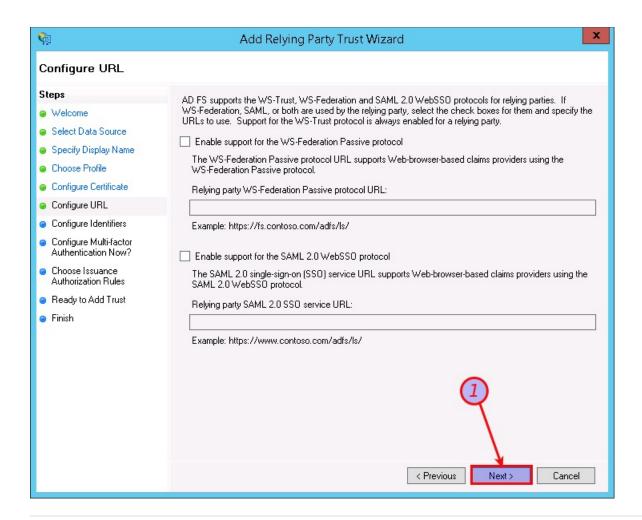
Select AD FS Profile



Skip Token Encryption Certificate

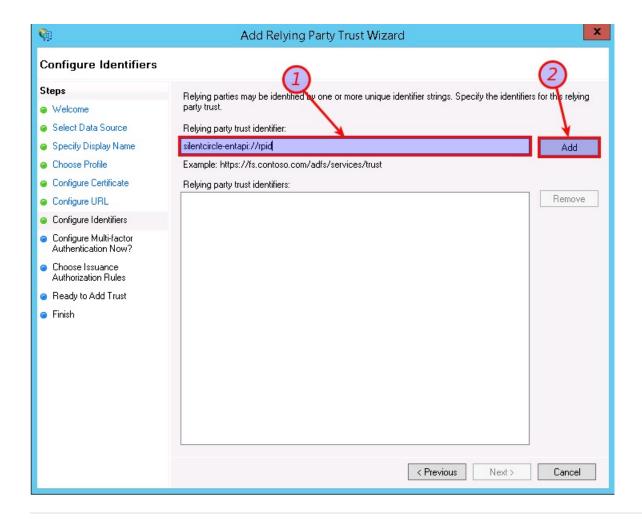


Skip WS-Federation and SAML

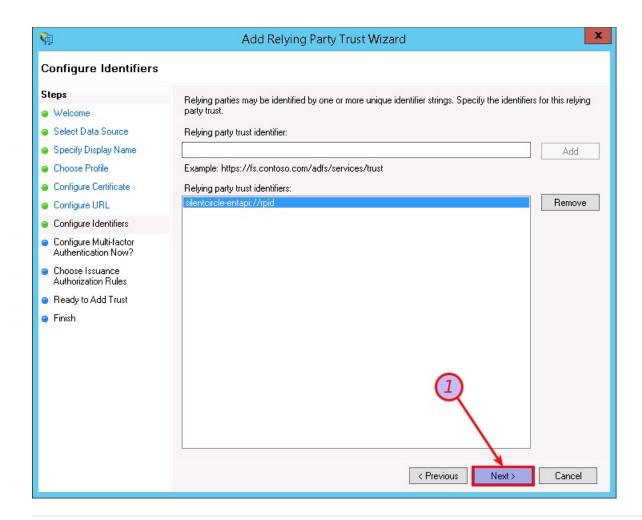


Add Relying Party trust identifier

• Enter silentcircle-entapi://rpid in Relying party trust identifier and click Add

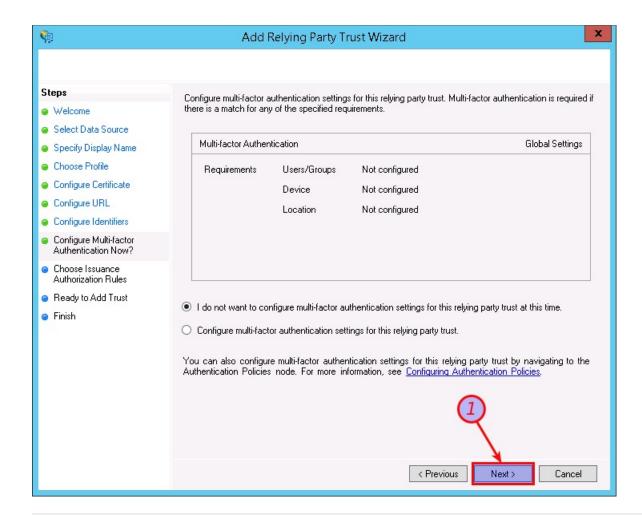


• Click Next to accept the trust identifier.



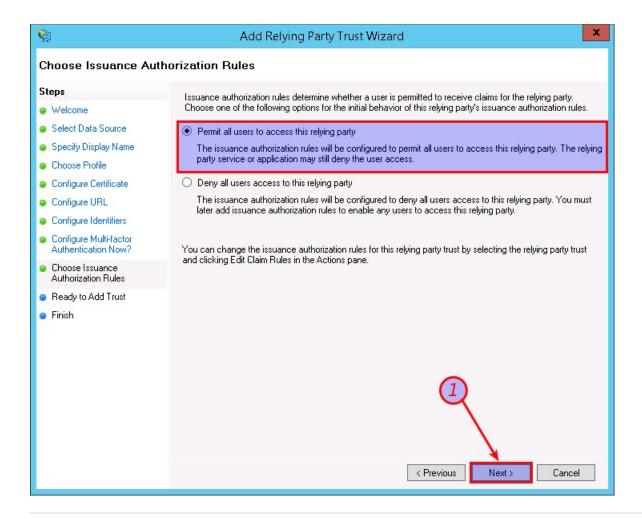
Optional: Configure MFA

• We skip this step here, but you are free to configure MFA as desired.

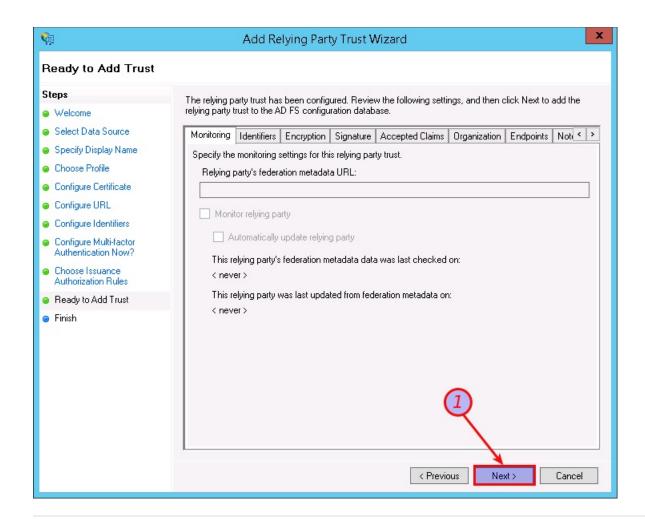


Choose Issuance Authorization Rules

• We will restrict access in a later step; for now, permit all users to access this Relying Party.

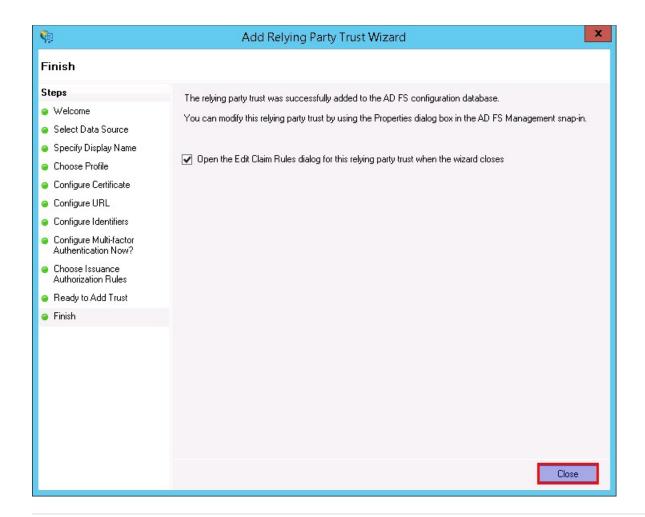


Add Trust to the database



Close the wizard

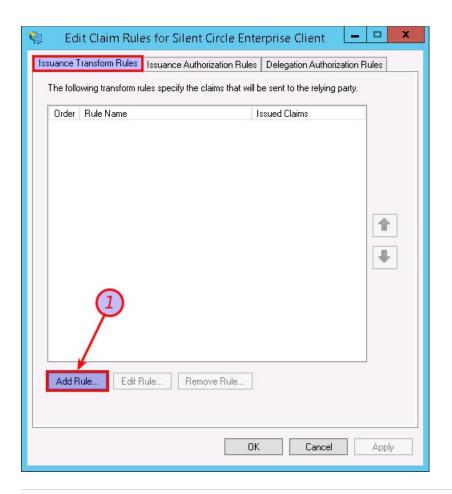
• Click Close . This will launch the Edit Claims Rules Dialog .



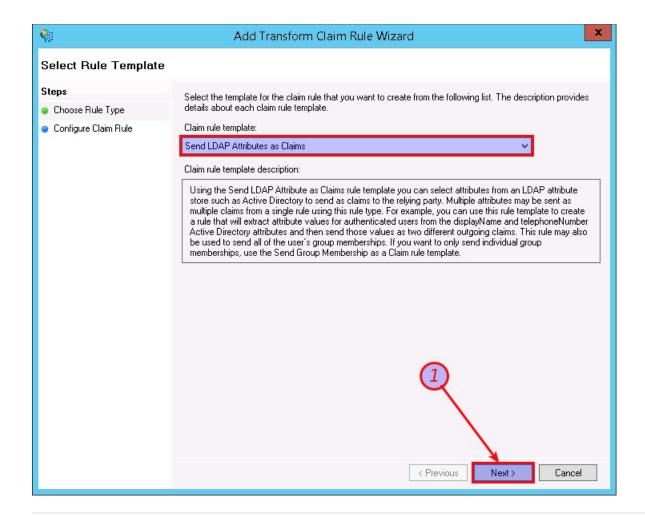
Configure Claims Rules

Add Issuance Transform Rule

- The Edit Claims Rules for Silent Circle Enterprise Client wizard should be running now.
- On the Issuance Transform Rules tab, click on Add Rule...

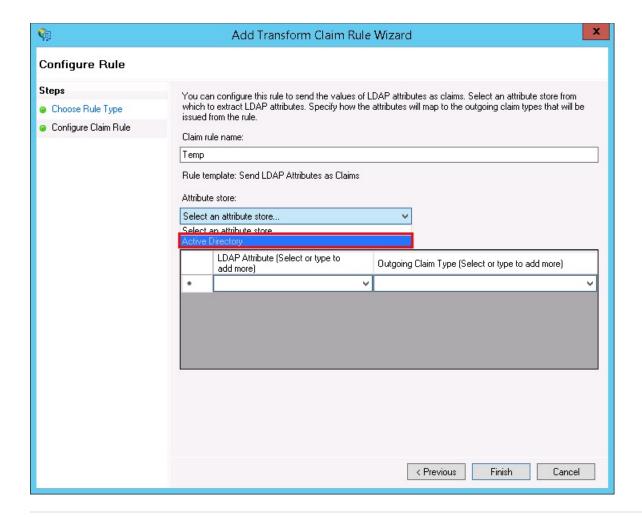


Accept the Send LDAP Attributes as Claims template.



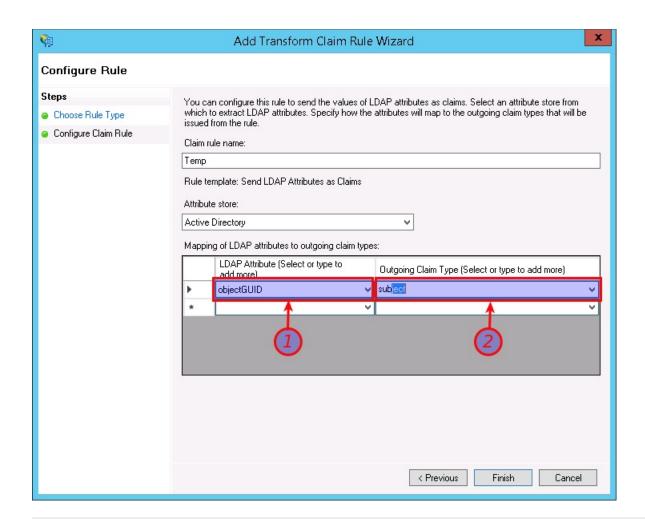
Configure Temp Claim Rule

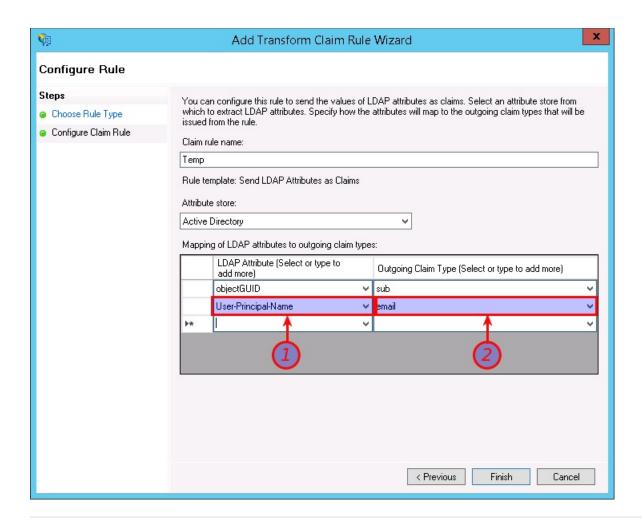
- Type "Temp" as the claim rule name (we'll be copying this later and deleting it).
- Select Active Directory as the attribute store.

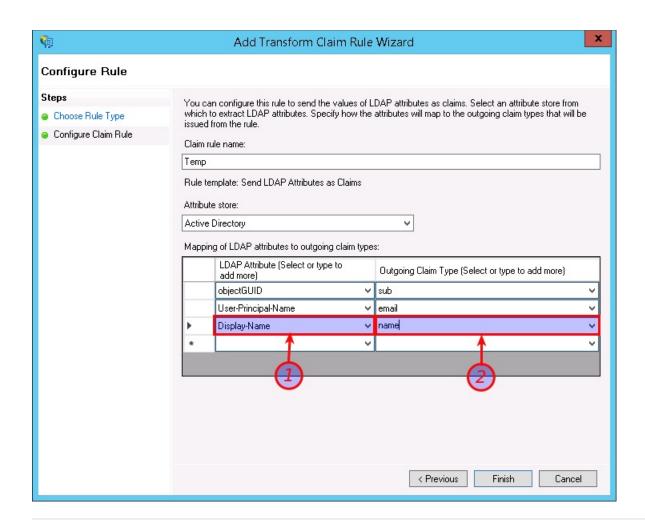


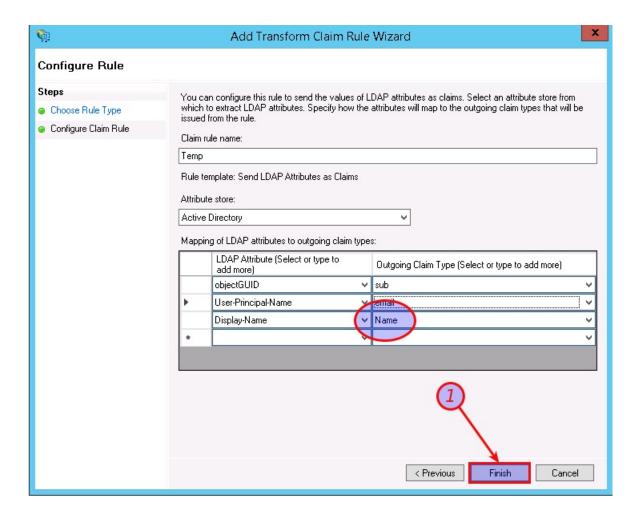
Add LDAP attributes

- Add the following LDAP attribute to Outgoing claim type mappings:
- objectGUID to sub
- User-Principal-Name to email
- displayName to name (note that the Wizard keeps changing this to Name allow it to do so for now; we'll change it later).





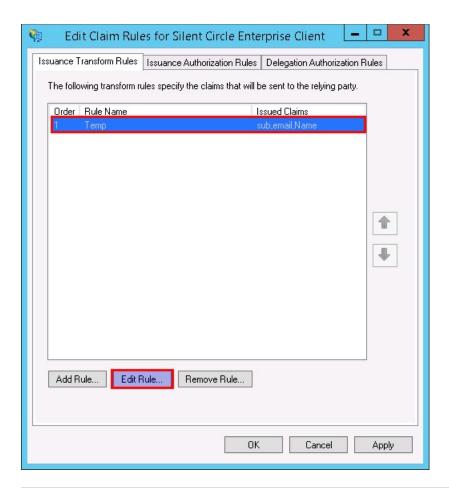


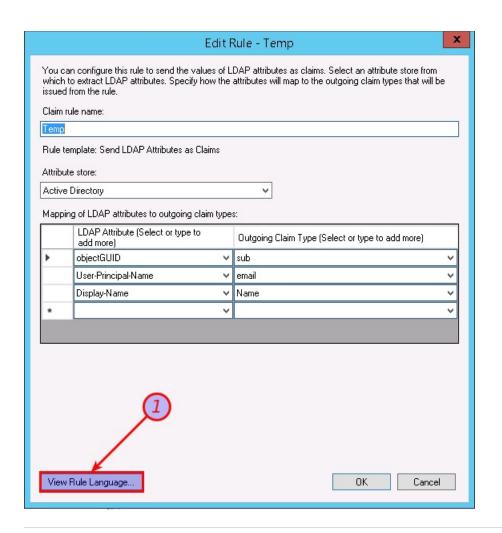


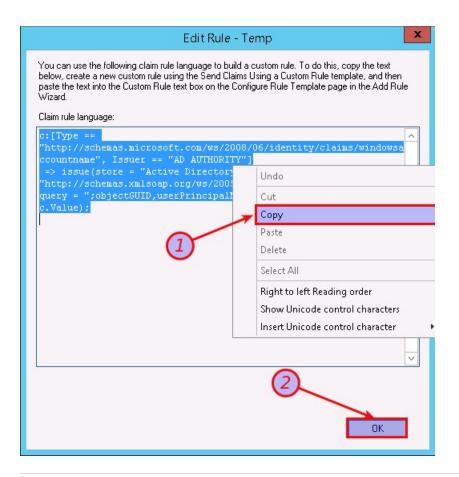
• Click Finish.

Copy Claim Rule Language

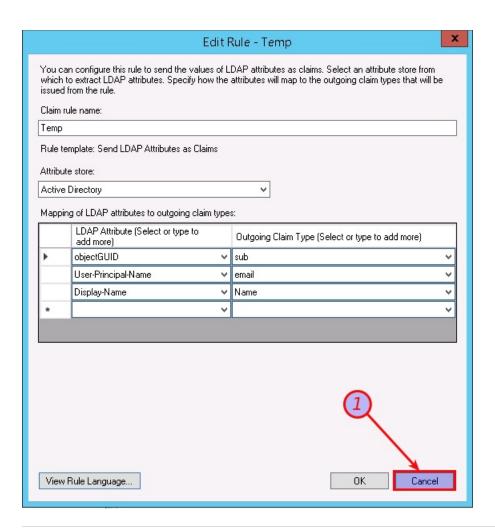
• Click Edit Rule... and then View Rule Language. Copy the selected text (right-click, then Copy).





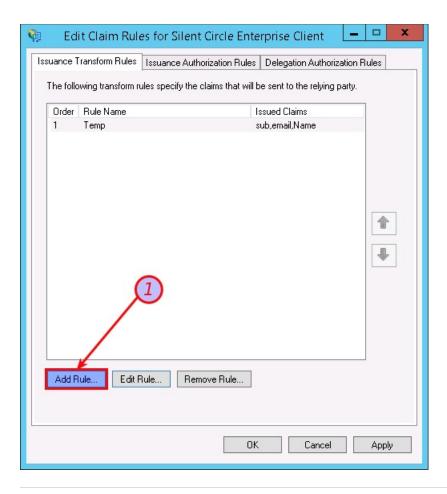


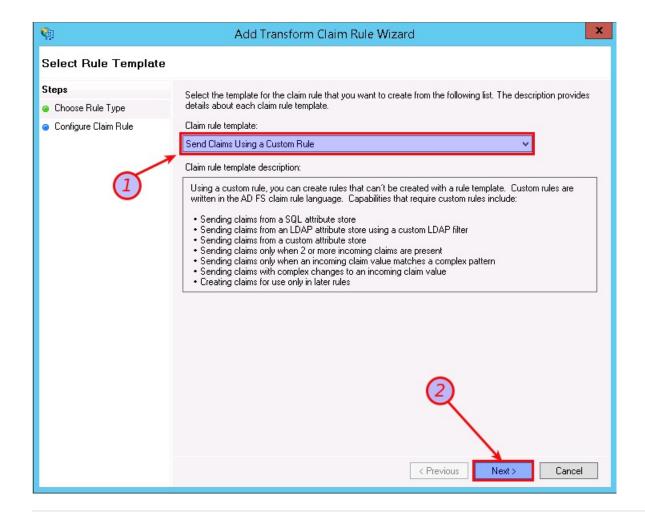
• Click OK, then Cancel to exit the rule editor.



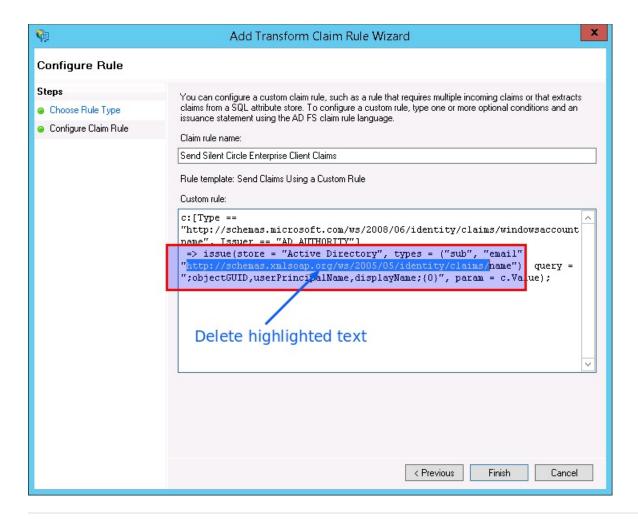
Add Custom Rule

• Add rule... to create a new rule based on Send Claims Using a Custom Rule.

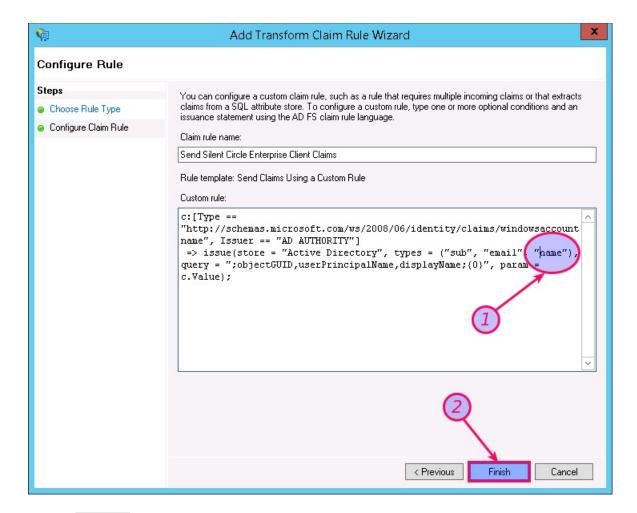




- Name it "Send Silent Circle Enterprise Client Claims' and paste the copied text into it.
- Delete the text http://schemas.xmlsoap.org/ws/2005/05/identity/claims/.

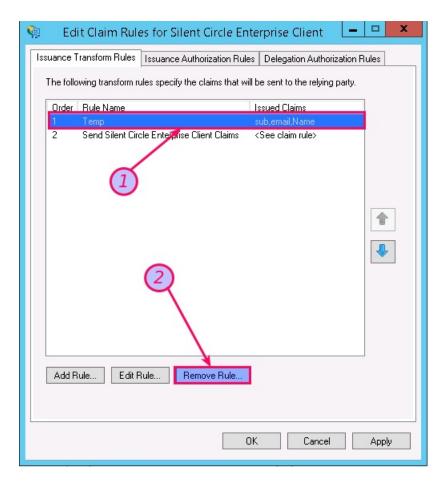


• What should be left is name.



• Click Finish.

Delete temp rule



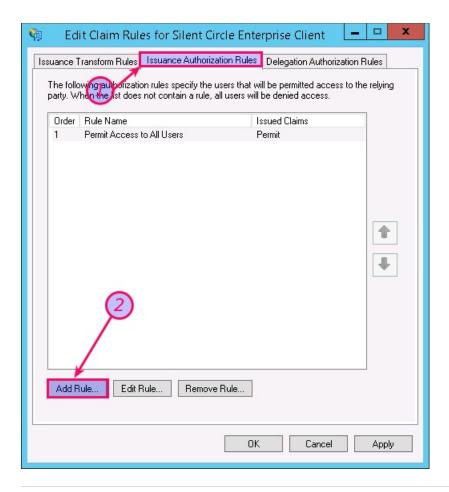
- Delete the Temp rule.
- Press 0K.

Add Issuance Authorization Rules

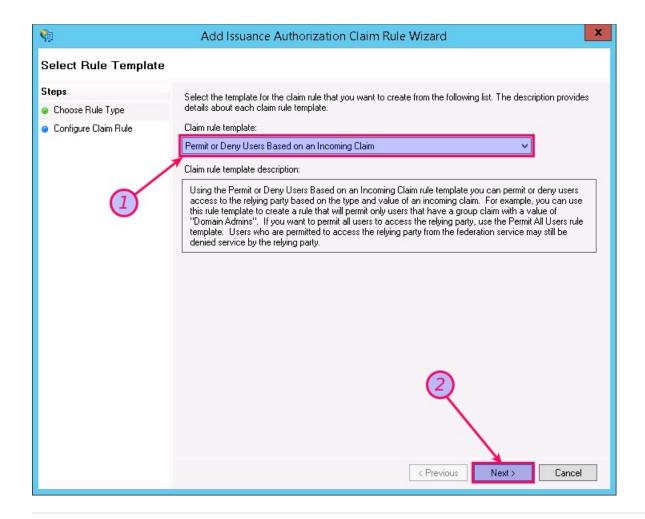
The precise details will vary widely, but most companies will want to restrict which employees can use Silent Circle. This can be done using Issuance Authorization Rules. If an employee tries to authenticate for a Silent Circle resource (like Silent Phone), but is blocked by this rule, the employee will be prevented from authenticating, and will not be authorized to use Silent Circle.

In this chapter we add a simple rule based on a user group that was previously added. No doubt more elaborate rules will be desired, but this is a good starting point.

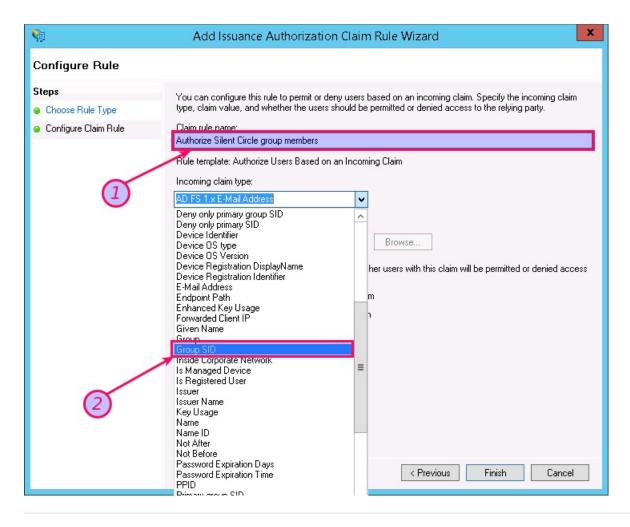
• Select the Issuance Authorization Rules tab in Edit Claim Rules, and click on Add Rule...



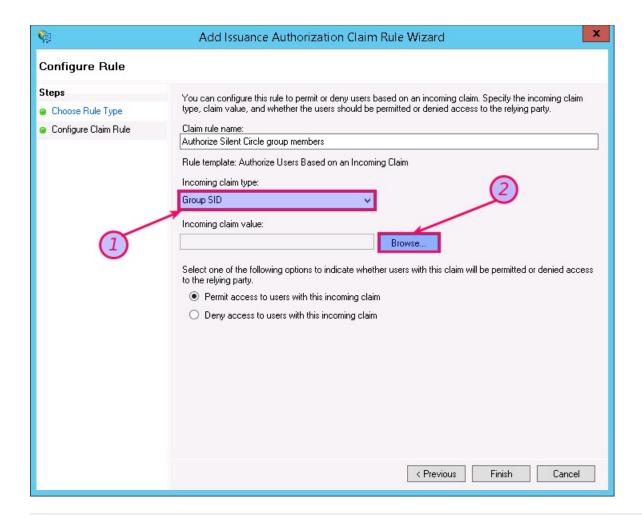
• Select Permit or Deny Users Based on an Incoming Claim.



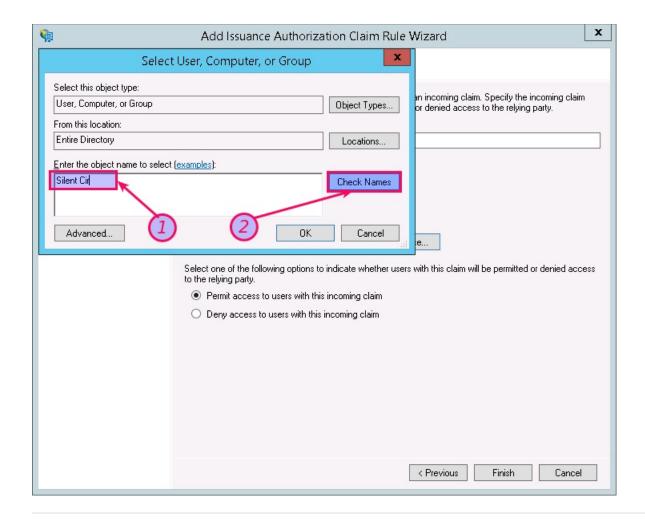
- Type in a rule name like Authorize Silent Circle group members.
- Select Group SID as an Incoming Claim Type.



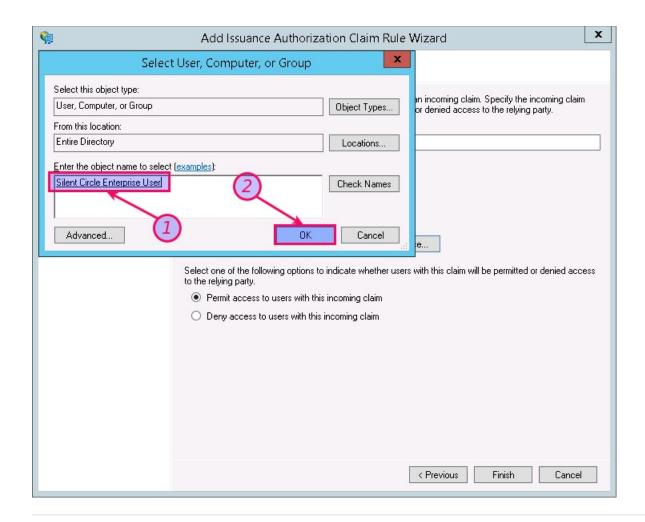
• Ensuring that the claim type is still Group SID, click Browse to select an incoming claim rule.



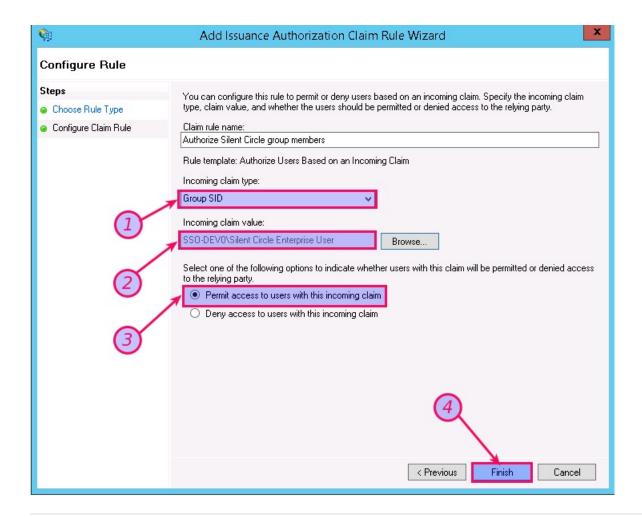
• In the Select User, Computer, or Group dialog box, start typing in the group name. In this example, we've typed in Silent Cir and deliberately not completed it.



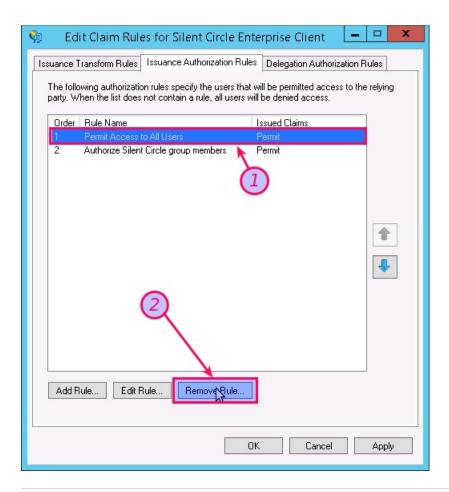
• Now, click Check Names and the name will be auto-completed if possible. Otherwise, type in the full group name and click Check names again, followed by 0K.



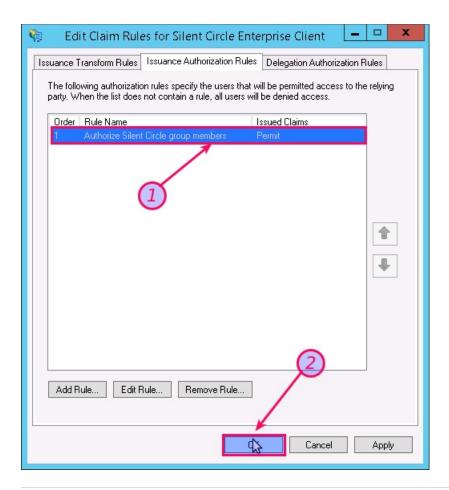
- Ensure that all the fields are correct as shown:
 - Incoming claim type: Group SID
 - Incoming claim value: (varies by installation)
 - Radio button selected: Permit access to users with this incoming claim.
- Click Finish.



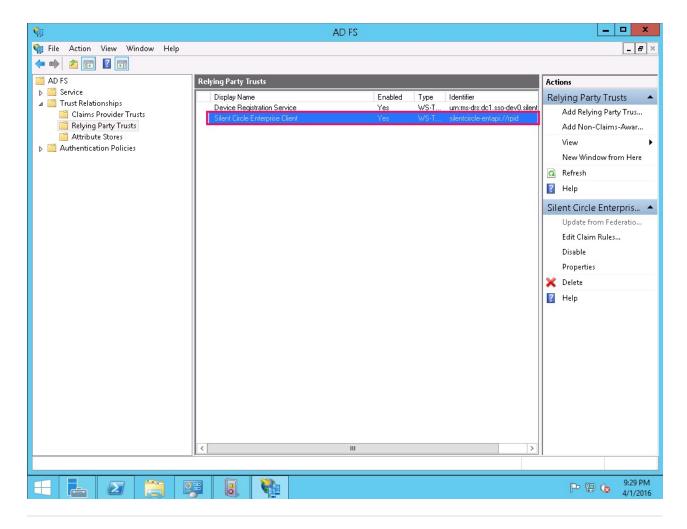
• Remove the default rule, Permit Access to All Users.



• There should only be one rule left; the one we just added. Click OK .



• Finally, we see the Silent Circle Relying Party Enterprise Trust rule we've been working on.



Configure Silent Circle ADFS OAuth2 Client

This is the last step. In this step we need to configure the Silent Circle OAuth2 client.

In a PowerShell window, type in the following command:

```
Add-AdfsClient -ClientId SCEntClient

-Name 'Silent Circle Enterprise Client'

-Description 'Silent Circle Enterprise Client'

-RedirectURI https://accounts.silentcircle.com/sso/oauth2/return/,https://localsc.ch/sso/oauth2/return
/,http://localsc.ch:8000/sso/oauth2/return/

To check it, type in

Get-AdfsClient 'Silent Circle Enterprise Client'

Sample output is shown below.
```

PS C:\Users\Administrator> Get-AdfsClient 'Silent Circle Enterprise Client'

RedirectUri : {http://localsc.ch:8000/sso/oauth2/return/, https://accounts.silen

tcircle.com/sso/oauth2/return/,

https://accounts-dev.silentcircle.com/sso/oauth2/return/, https://

localsc.ch/sso/oauth2/return/}

Name : Silent Circle Enterprise Client Description : Silent Circle Enterprise Client

ClientId : SCEntClient

BuiltIn : False
Enabled : True
ClientType : Public