Description
This document describes how to set-up the lccADFSTestWebClient.

The lccADFSTestWebClient was built to test an ADFS server and the Claim values returned. This is really handy if you add Custom Claim values, like SQL queries.

Prerequisites: (for ADFS 3.0)
- ADFS 2.0+ installed
- IIS installed (on separate server)

Retrieve ADFS Host Thumb Print
(from any computer with PowerShell)
- open PowerShell command prompt
- run: getADFSThumbPrint.ps1
  note: PowerShell 3.0 or greater required to run this script
- enter: (host name of your ADFS server...)
  ex: fs.ourserver.edu
- press: ENTER
  (thumbprint should now be in your clipboard)

This Thumb Print will be used when configuring the lccADFSTestWebClient.
Install the lccADFSTestWebClient

- open: IIS server
- create: (...directory for lccADFSTestWebClient...)
- copy the following files into that folder:
  - Default.aspx
  - Default.aspx.cs
  - Default.css
  - Web.config
- create sub-directory: bin
- copy the following file into that folder:
  - System.IdentityModel.Tokens.ValidatingIssuerNameRegistry.dll
- modify 'Web.config', as follows:
  - change [...URL #1...] to the URL where this will be exposed.
  - ex: https://ourServer.edu/lccADFSTestClient
  - change [...URL #2...] to the URL for your ADFS + /adfs/services/trust.
  - ex: https://fs.ourServer.edu/adfs/services/trust
  - change [...Thumb Print #1...] to the Thumb Print retrieved
  - change [...URL #3...] to the URL for your ADFS+ /adfs/services/trust.
  - ex: https://fs.ourServer.edu/adfs/services/trust
  - change [...URL #4...] to the URL of your ADFS + /adfs/ls/
  - ex: https://fs.ourServer.edu/adfs/ls/
  - change [...URL #5...] to the URL of your lccADFSTestClient site
  - ex: https://ourServer.lcc.ctc.edu/lccADFSTestClient/
- close: Web.config
- open: IIS
- create: Application (and point to the folder for the tool)
  note: the application name should be the same as URL #1 in the Web.Config

**note: the Install Relying Party Trust section, then continue here**

- go to your tool URL, ex: https://ourServer.lcc.ctc.edu/lccADFSTestClient/
- note: make sure it ends with a forward slash

Your tool URL should then reroute you to your ADFS SSO portal for authentication.

After authentication, it should reroute back to your tool URL and show the Claim values returned.

Install Relying Party Trust

- open: ADFS
- open: AD FS (Active Directory Federated Services) console
- [left pane] click/expand: AD FS
- [left pane] click/expand: Trust Relationships
• [left pane] click/expand: Relying Party Trusts
• [right pane] click: Add Relying Party Trust
• click: Start
• choose: Enter data about the relying party manually
• click: Next
• [Display name] enter: URL #1 from the Web.Config (without the http portion)
  ex: https://ourServer.edu/lccADFSTestClient
• click: Next
• choose: AD FS profile
• click: Next
• [Specify an optional token...] click: Next
• [AD FS Supports the WS-Trust] choose: Enable support for the WS-Federation ...
• [Relying party WS-Federation Passive protocol URL: (your test client URL with forward slash)]
  ex: https://ourServer.edu/lccADFSTestClient/
• [AD FS Supports the WS-Trust] click: Next
• [Relying parties trust] click: Next
• [Configure multi-factor] choose: I do not want to ...
• [Configure multi-factor] click: Next
• [Authorization Rules] choose: Permit all users...
• [Authorization Rules] click: Next
• [Ready to add trust] click: Next
• [Finish] uncheck: Open the Edit Claim Rules
• [Finish] click: Close
• [Relying Party Trust] choose: (newly created trust)
• [right pane] click: Edit Claim Rules
  (now add the claim rules you want to test)
• Example:
  • [Issuance Transform Rules] click: Add
  • [Claim rule template] choose: Send LDAP Attributes as Claim
  • [Claim rule template] click: Next
  • [Claim rule name] enter: (desired name for this claim rule set), ex: AD Claims
  • [Attribute store] choose: Active Directory
  • [LDAP Attribute] type: SAM-Account-Name
  • [Outgoing Claim Type] type: Windows account name
  • [Issuance Transform Rules] click: OK

Resources

Original tool resource found at: http://goodworkaround.com/node/68
Thank you! Marius Solbakken Mellum.
Definitions

**ADFS** - Active Directory Federated Services

Modifications

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<td>12/18/2015</td>
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