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# Another try with SAML applications

deleted “ spring-demo-saml” enterprise application and then created new one with name “spring-demo-saml-non-gallery”. This time I selected as “Create my own application” option without selecting any one from the gallery. Will follow this link there on to configure SAML [https://github.com/pateluday07/saml-sso-and-slo-demo-idp-azure-sp-springboot?tab=readme-ov-file#prerequisites](https://github.com/pateluday07/saml-sso-and-slo-demo-idp-azure-sp-springboot?tab=readme-ov-file" \l "prerequisites)

Name: spring-demo-saml-non-gallery

Application Id: 42cfed16-8b5d-43d0-bf8e-a7401e4f2107

Object Id : 34f67809-1da2-49ee-825d-3e9c6c95e624

Federation usl : https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/federationmetadata/2007-06/federationmetadata.xml?appid=42cfed16-8b5d-43d0-bf8e-a7401e4f2107

C:\Users\jkrishnarao\eclipse-workspace\saml-sso-and-slo-demo-idp-azure-sp-springboot-master\src\main\resources\saml>keytool -importcert -alias adfssigning -keystore samlKeystore.jks -file signature.cer

Enter keystore password:

Re-enter new password:

Owner: CN=Microsoft Azure Federated SSO Certificate

Issuer: CN=Microsoft Azure Federated SSO Certificate

Serial number: 2bf1f539c9a4668f44160a9f17e81d73

Valid from: Sun Feb 04 21:30:56 CST 2024 until: Thu Feb 04 21:36:33 CST 2027

Certificate fingerprints:

SHA1: DC:ED:DC:78:D9:64:AC:EC:D5:0F:DF:BE:B2:CE:C3:EA:B4:01:C0:1B

SHA256: D5:C8:AB:32:AD:38:6D:C4:78:66:0C:87:5C:BE:85:E0:95:6F:6A:04:BF:02:4C:33:88:24:18:1C:24:DA:A5:C4

Signature algorithm name: SHA256withRSA

Subject Public Key Algorithm: 2048-bit RSA key

Version: 3

Trust this certificate? [no]: yes

Certificate was added to keystore

C:\Users\jkrishnarao\eclipse-workspace\saml-sso-and-slo-demo-idp-azure-sp-springboot-master\src\main\resources\saml>keytool -genkeypair -alias apollo -keypass nalle123 -keyalg RSA -keysize 2048 -validity 10000 -keystore samlKeystore.jks

Enter keystore password:

What is your first and last name?

[Unknown]:

What is the name of your organizational unit?

[Unknown]:

What is the name of your organization?

[Unknown]:

What is the name of your City or Locality?

[Unknown]:

What is the name of your State or Province?

[Unknown]:

What is the two-letter country code for this unit?

[Unknown]:

Is CN=Unknown, OU=Unknown, O=Unknown, L=Unknown, ST=Unknown, C=Unknown correct?

[no]: yes

Warning:

The JKS keystore uses a proprietary format. It is recommended to migrate to PKCS12 which is an industry standard format using "keytool -importkeystore -srckeystore samlKeystore.jks -destkeystore samlKeystore.jks -deststoretype pkcs12".

Set up Single Sign-On with SAML

An SSO implementation based on federation protocols improves security, reliability, and end user experiences and is easier to implement. Choose SAML single sign-on whenever possible for existing applications that do not use OpenID Connect or OAuth. Learn more.​​​

Read the configuration guide for help integrating spring-demo-saml-non-gallery.

Basic SAML Configuration

Identifier (Entity ID)

com:threeidiots:spring:sp

Reply URL (Assertion Consumer Service URL)

http://localhost:8080/saml/SSO

Sign on URL

Optional

Relay State (Optional)

Optional

Logout Url (Optional)

Optional

Attributes & Claims

givenname

user.givenname

surname

user.surname

emailaddress

user.mail

name

user.userprincipalname

Unique User Identifier

user.userprincipalname

SAML Certificates

Token signing certificate

Status

Active

Thumbprint

DCEDDC78D964ACECD50FDFBEB2CEC3EAB401C01B

Expiration

2/4/2027, 9:36:33 PM

Notification Email

the3idiots2024@outlook.com

App Federation Metadata Url

https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/federationmetadata/2007-06/federationmetadata.xml?appid=42cfed16-8b5d-43d0-bf8e-a7401e4f2107

Certificate (Base64)

Download

Certificate (Raw)

Download

Federation Metadata XML

Download

Verification certificates (optional)

Required

No

Active

0

Expired

0

Set up spring-demo-saml-non-gallery

You'll need to configure the application to link with Microsoft Entra ID.

Login URL

https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/saml2

Microsoft Entra Identifier

https://sts.windows.net/6db4134c-be57-4ed6-a50b-666bbd1428f9/

Logout URL

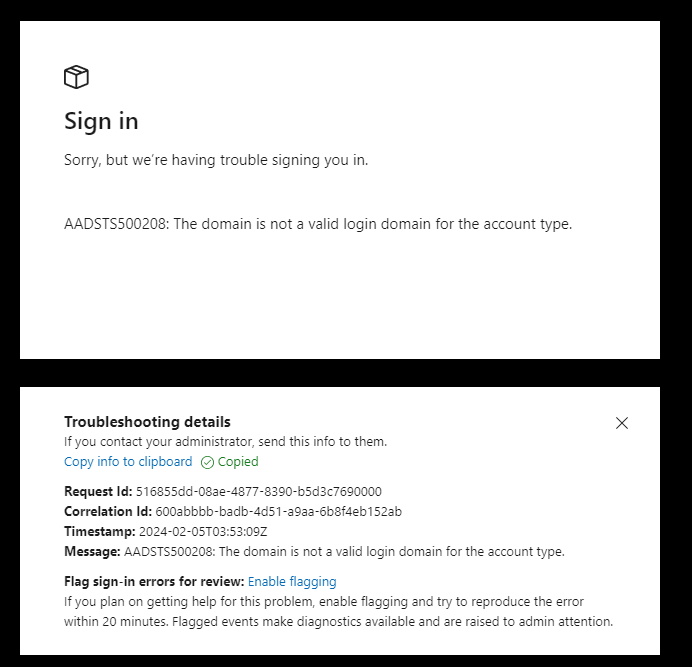
https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/saml2

Test single sign-on with spring-demo-saml-non-gallery

Test to see if single sign-on is working. Users will need to be added to Users and groups before they can sign in.

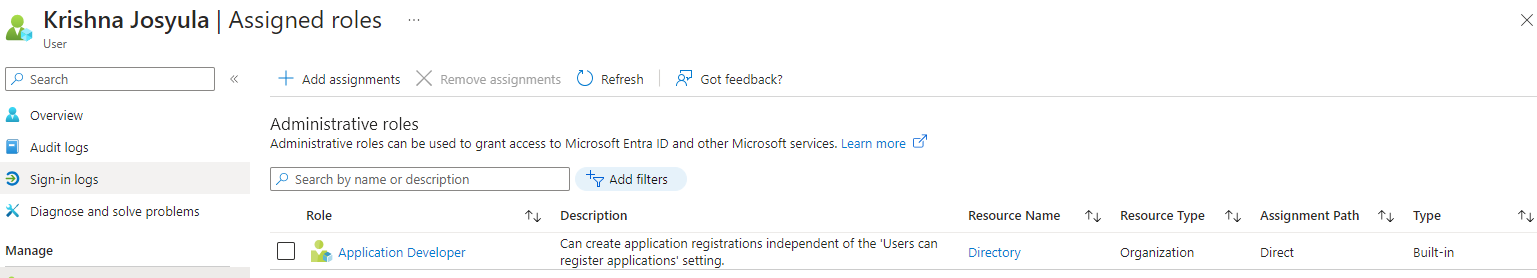
# Error-0

Getting this error when logged in with [nitin@trialtenantxct1mqmg.onmicrosoft.com](mailto:nitin@trialtenantxct1mqmg.onmicrosoft.com) or [krishna@trialtenantxct1mqmg.onmicrosoft.com](mailto:krishna@trialtenantxct1mqmg.onmicrosoft.com)



Issue: AADSTS500208: The domain is not a valid login domain for the account type.

Fix: Added administrative role in Microsoft Entra



# Error-1

Issue:

Caused by: org.opensaml.common.SAMLException: Response issue time is either too old or with date in the future, skew 60, time 2024-02-05T04:12:56.842Z

at org.springframework.security.saml.websso.WebSSOProfileConsumerImpl.processAuthenticationResponse(WebSSOProfileConsumerImpl.java:162) ~[spring-security-saml2-core-1.0.10.RELEASE.jar:1.0.10.RELEASE]

at org.springframework.security.saml.SAMLAuthenticationProvider.authenticate(SAMLAuthenticationProvider.java:88) ~[spring-security-saml2-core-1.0.10.RELEASE.jar:1.0.10.RELEASE]

... 52 more

Fix

https://stackoverflow.com/questions/25647925/spring-security-saml-time-difference-between-sp-and-idp

# Error-2

Issue:

Caused by: org.opensaml.common.SAMLException: InResponseToField of the Response doesn't correspond to sent message a336a62i5hi84b0d50ebjiba028d26h

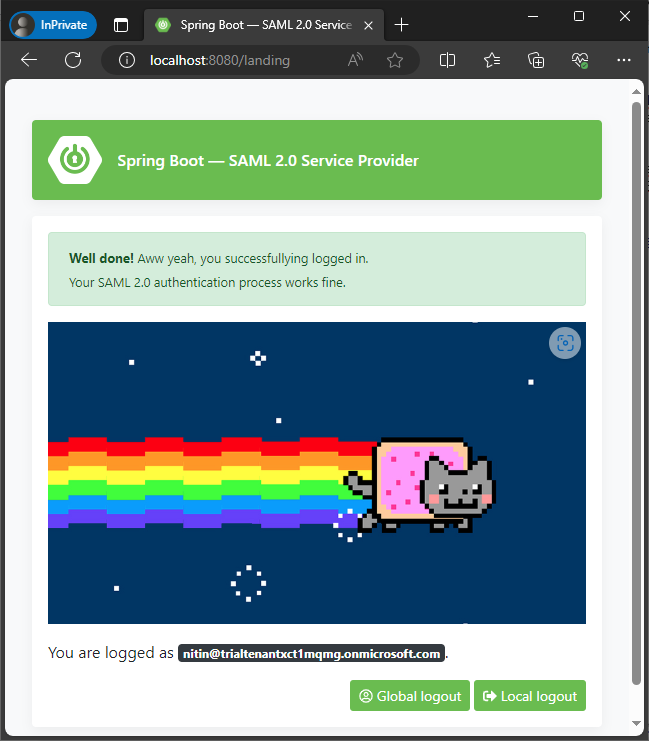
at org.springframework.security.saml.websso.WebSSOProfileConsumerImpl.processAuthenticationResponse(WebSSOProfileConsumerImpl.java:175) ~[spring-security-saml2-core-1.0.10.RELEASE.jar:1.0.10.RELEASE]

at org.springframework.security.saml.SAMLAuthenticationProvider.authenticate(SAMLAuthenticationProvider.java:88) ~[spring-security-saml2-core-1.0.10.RELEASE.jar:1.0.10.RELEASE]

... 52 more

Fix: [https://docs.spring.io/spring-security-saml/docs/current/reference/html/chapter-troubleshooting.html#d5e1935](https://docs.spring.io/spring-security-saml/docs/current/reference/html/chapter-troubleshooting.html" \l "d5e1935)

# Finally success



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# Before the above success documented 2 times failures below

The existing Enterprise Application “spring-demo” does not support SAML since it was already configured with OpenId. So I created new Enterprise application “spring-demo-saml” in Microsoft Entra to configure SAML.

Application name “spring-demo-saml”

Applicaiton id 30cb2524-665e-4b4d-a72f-eaac75438014

Object id : 900cf956-bc20-46e3-8f0b-d25236f62632

App Federation Metadata Url : https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/federationmetadata/2007-06/federationmetadata.xml?appid=30cb2524-665e-4b4d-a72f-eaac75438014

Set up Single Sign-On with SAML as per [https://github.com/pateluday07/saml-sso-and-slo-demo-idp-azure-sp-springboot?tab=readme-ov-file#configuration](https://github.com/pateluday07/saml-sso-and-slo-demo-idp-azure-sp-springboot?tab=readme-ov-file" \l "configuration)

An SSO implementation based on federation protocols improves security, reliability, and end user experiences and is easier to implement. Choose SAML single sign-on whenever possible for existing applications that do not use OpenID Connect or OAuth. Learn more.​​​

Read the configuration guide for help integrating spring-demo-saml.

Basic SAML Configuration

Identifier (Entity ID)

com:threeidiots:spring:sp

Reply URL (Assertion Consumer Service URL)

http://localhost:8080/saml/SSO

Sign on URL

https://localhost:8080

Relay State (Optional)

Optional

Logout Url (Optional)

Optional

Attributes & Claims

givenname

user.givenname

surname

user.surname

emailaddress

user.mail

name

user.userprincipalname

Unique User Identifier

user.userprincipalname

SAML Certificates

Token signing certificate

Status

Active

Thumbprint

2928C6DDD4B9DAEA0EC4339B8B7D002B1DD5AC36

Expiration

2/3/2027, 10:34:30 PM

Notification Email

the3idiots2024@outlook.com

App Federation Metadata Url

https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/federationmetadata/2007-06/federationmetadata.xml?appid=30cb2524-665e-4b4d-a72f-eaac75438014

Certificate (Base64)

Download

Certificate (Raw)

Download

Federation Metadata XML

Download

Verification certificates (optional)

Required

No

Active

0

Expired

0

Set up spring-demo-saml

You'll need to configure the application to link with Microsoft Entra ID.

Login URL

https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/saml2

Microsoft Entra Identifier

https://sts.windows.net/6db4134c-be57-4ed6-a50b-666bbd1428f9/

Logout URL

https://login.microsoftonline.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/saml2

Test single sign-on with spring-demo-saml

Test to see if single sign-on is working. Users will need to be added to Users and groups before they can sign in.

>>> Key store password entered was nalle123

C:\Users\jkrishnarao\eclipse-workspace\saml-sso-and-slo-demo-idp-azure-sp-springboot-master\src\main\resources\saml>keytool -importcert -alias adfssigning -keystore samlKeystore.jks -file signature.cer

Enter keystore password:

Re-enter new password:

Owner: CN=Microsoft Azure Federated SSO Certificate

Issuer: CN=Microsoft Azure Federated SSO Certificate

Serial number: 1843e300bdfd8b9c441e32b0f52c869c

Valid from: Sat Feb 03 22:28:55 CST 2024 until: Wed Feb 03 22:34:30 CST 2027

Certificate fingerprints:

SHA1: 29:28:C6:DD:D4:B9:DA:EA:0E:C4:33:9B:8B:7D:00:2B:1D:D5:AC:36

SHA256: A9:6F:6F:E3:F3:01:56:81:2D:03:4A:8C:01:EB:35:9F:9A:49:50:14:7E:ED:AF:11:F6:F1:E4:5C:8C:DE:02:D7

Signature algorithm name: SHA256withRSA

Subject Public Key Algorithm: 2048-bit RSA key

Version: 3

Trust this certificate? [no]: yes

Certificate was added to keystore

C:\Users\jkrishnarao\eclipse-workspace\saml-sso-and-slo-demo-idp-azure-sp-springboot-master\src\main\resources\saml>keytool -genkeypair -alias apollo -keypass nalle123 -keyalg RSA -keysize 2048 -validity 10000 -keystore samlKeystore.jks

Enter keystore password:

What is your first and last name?

[Unknown]:

What is the name of your organizational unit?

[Unknown]:

What is the name of your organization?

[Unknown]:

What is the name of your City or Locality?

[Unknown]:

What is the name of your State or Province?

[Unknown]:

What is the two-letter country code for this unit?

[Unknown]:

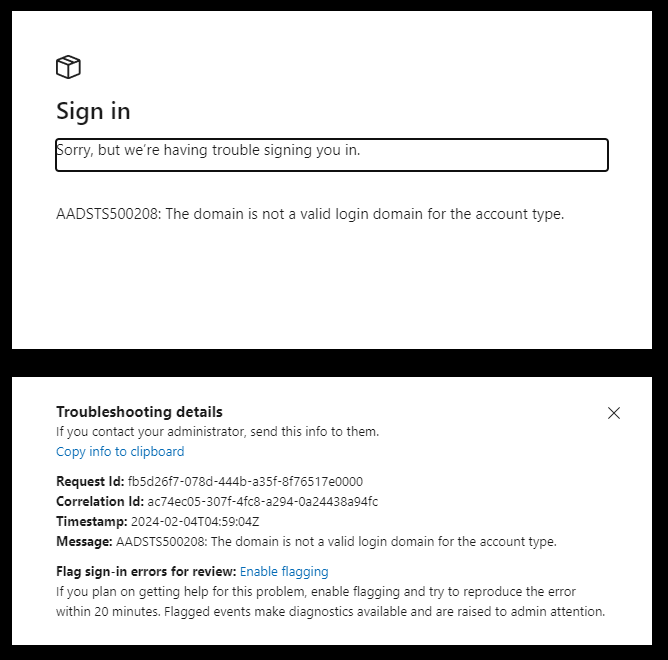
Is CN=Unknown, OU=Unknown, O=Unknown, L=Unknown, ST=Unknown, C=Unknown correct?

[no]: yes

Warning:

The JKS keystore uses a proprietary format. It is recommended to migrate to PKCS12 which is an industry standard format using "keytool -importkeystore -srckeystore samlKeystore.jks -destkeystore samlKeystore.jks -deststoretype pkcs12".

Getting error need to look into



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[Saturday 9:47 AM] Krishna Josyula

Created new Outlook account

the3idiots2024@outlook.com

[3Idiot@54321](mailto:3Idiot@54321)

[Saturday 9:54 AM] Krishna Josyula

Created a tenant [https://learn.microsoft.com/en-us/entra/external-id/customers/quickstart-trial-setup#sign-up-to-your-customer-tenant-free-trial](_blank)

Login to <https://entra.microsoft.com/> with above credentials

The free trial expires in 30 days. Review Microsoft Entra External ID pricing and setup a pay as you go (PAYG) Azure account to get the full set of features. [Learn more](https://aka.ms/CiamTrialTenantUpgradeBannerNewUser)

[**Upgrade**](_blank)

Get startedOverview

Quickstart - Set up a customer tenant free trial - Microsoft Entra External ID

Use our quickstart to set up the customer tenant free trial.

[Saturday 9:55 AM] Krishna Josyula

tenant name "TrialTenantxct1mqmg"

[Saturday 9:57 AM] Krishna Josyula

[jwt.ms](https://jwt.ms/)

Enter token below (it never leaves your browser):

eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjVCM25SeHRRN2ppOGVORGMzRnkwNUtmOTdaRSJ9..b9mJd\_mliovCtPy5kYE3319Ar8t-q6AiQ7Xqbe46INcwqWs1T1N8kEL7klgohKiHOfOWU8k41mh9uFCv1\_BqkLDIfp34Ck4grcSg\_UYYjnAxnW8pgTX8xS1tMMgAfZS4WgsR6ae7T2mjM8NWLVCdqF0Ag-ALbdBulrZNxZNfhxa-CDMfuIv5ZNdYSrExwUmyfRVo7n-bID5NGHM3hqIMW4NUu3rB1etcmeJrJTUnalWGq23SbFVIosEoFcyTrNjJBH1Tl8LSfPuODjr9djzSh34S80skLw6JiVt1RXhdCoWZvkOPgpMiC\_6EadWHFtFA0\_KtdzFpFinOMGSRGnCKJA

* [Decoded Token](_blank)
* [Claims](_blank)

{   "typ": "JWT",   "alg": "RS256",   "kid": "5B3nRxtQ7ji8eNDc3Fy05Kf97ZE" }.{   "aud": "5fec2e85-113b-43bd-805a-8b36582e9b80",   "iss": "<https://6db4134c-be57-4ed6-a50b-666bbd1428f9.ciamlogin.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/v2.0">,   "iat": 1706329327,   "nbf": 1706329327,   "exp": 1706333227,   "aio": "AcQAO/8VAAAAdJ/OYwbOIz3twrtsAXLZJgk/uqGJGcBlIscsFFvBZXJNb5IPaFXyc60lebFv/5xg1wjtemLfyE2TrFkM24PmMn25RsvfZWJsfRYM2rNbNfzhMOzGaPYutQM0ejTkusaW11ohQp29ZUN6yIP54q4w01waBTYSRi8czenldpx5xRQO5YJljzhoWEKHGBq89nV6nO7R3hkinzltmL1ucfqFcShm50KCyLp2RRLad67jbt02xC6Fi3Fyl6lb+lqKQnA4",   "nonce": "defaultNonce",   "rh": "0.Ac8ATBO0bVe-1k6lC2ZrvRQo-YUu7F87Eb1DgFqLNlgum4DPAO4.",   "sub": "iGxFwDA5UdYynJYrIjmuMPJhs3seCA5eVJZZl8AN06k",   "tid": "6db4134c-be57-4ed6-a50b-666bbd1428f9",   "uti": "1A3AykoSB0mV0l719DIAAA",   "ver": "2.0" }.[Signature]

Claim type  Value  Notes  
aud  5fec2e85-113b-43bd-805a-8b36582e9b80  The "aud" (audience) claim identifies the recipients that the JWT is intended for. Each principal intended to process the JWT MUST identify itself with a value in the audience claim. If the principal processing the claim does not identify itself with a value in the "aud" claim when this claim is present, then the JWT MUST be rejected. [RFC 7519, Section 4.1.3]  
iss  <https://6db4134c-be57-4ed6-a50b-666bbd1428f9.ciamlogin.com/6db4134c-be57-4ed6-a50b-666bbd1428f9/v2.0  The> "iss" (issuer) claim identifies the principal that issued the JWT. The processing of this claim is generally application specific. The "iss" value is a case-sensitive string containing a StringOrURI value. [RFC 7519, Section 4.1.1]  
iat  Sat Jan 27 2024 09:52:07 GMT+0530 (India Standard Time)  The "iat" (issued at) claim identifies the time at which the JWT was issued. This claim can be used to determine the age of the JWT. [RFC 7519, Section 4.1.6]  
nbf  Sat Jan 27 2024 09:52:07 GMT+0530 (India Standard Time)  The "nbf" (not before) claim identifies the time before which the JWT MUST NOT be accepted for processing. Implementers MAY provide for some small leeway, usually no more than a few minutes, to account for clock skew. [RFC 7519, Section 4.1.5]  
exp  Sat Jan 27 2024 10:57:07 GMT+0530 (India Standard Time)  The "exp" (expiration time) claim identifies the expiration time on or after which the JWT MUST NOT be accepted for processing. Implementers MAY provide for some small leeway, usually no more than a few minutes, to account for clock skew. [RFC 7519, Section 4.1.4]  
aio  AcQAO/8VAAAAdJ/OYwbOIz3twrtsAXLZJgk/uqGJGcBlIscsFFvBZXJNb5IPaFXyc60lebFv/5xg1wjtemLfyE2TrFkM24PmMn25RsvfZWJsfRYM2rNbNfzhMOzGaPYutQM0ejTkusaW11ohQp29ZUN6yIP54q4w01waBTYSRi8czenldpx5xRQO5YJljzhoWEKHGBq89nV6nO7R3hkinzltmL1ucfqFcShm50KCyLp2RRLad67jbt02xC6Fi3Fyl6lb+lqKQnA4    
nonce  defaultNonce  String value used to associate a Client session with an ID Token, and to mitigate replay attacks. The value is passed through unmodified from the Authentication Request to the ID Token. If present in the ID Token, Clients MUST verify that the nonce Claim Value is equal to the value of the nonce parameter sent in the Authentication Request. If present in the Authentication Request, Authorization Servers MUST include a nonce Claim in the ID Token with the Claim Value being the nonce value sent in the Authentication Request. Authorization Servers SHOULD perform no other processing on nonce values used. The nonce value is a case sensitive string. [OpenID Connect Core 1.0, Section 2]  
rh  0.Ac8ATBO0bVe-1k6lC2ZrvRQo-YUu7F87Eb1DgFqLNlgum4DPAO4.    
sub  iGxFwDA5UdYynJYrIjmuMPJhs3seCA5eVJZZl8AN06k  The "sub" (subject) claim identifies the principal that is the subject of the JWT. The claims in a JWT are normally statements about the subject. The subject value MUST either be scoped to be locally unique in the context of the issuer or be globally unique. The processing of this claim is generally application specific. The "sub" value is a case-sensitive string containing a StringOrURI value. [RFC 7519, Section 4.1.2]  
tid  6db4134c-be57-4ed6-a50b-666bbd1428f9    
uti  1A3AykoSB0mV0l719DIAAA    
ver  2.0

jwt.ms: Welcome!

[Saturday 10:06 AM] Krishna Josyula

New app registration

Display name

:

[spring-demo](_blank)

Application (client) ID

:

837a6d50-6257-4428-bffa-408d69c93dd5

Object ID

:

8160d595-2809-4f22-8b45-45b77d4bd90f

Directory (tenant) ID

:

6db4134c-be57-4ed6-a50b-666bbd1428f9

Supported account types

:

[Multiple organizations](_blank)

Client credentials

:

[Add a certificate or secret](_blank)

Redirect URIs

:

[1 web, 0 spa, 0 public client](_blank)

Application ID URI

:

[Add an Application ID URI](_blank)

Managed application in local directory

:

[spring-demo](_blank)

Microsoft Azure

[Saturday 10:09 AM] Krishna Josyula

Created client secret

Description

spring-demo-client-secret

Expires

1/26/2025

Value

okt8Q~BSOObvZTFgx4c9UA9PD9IuIUtTGHYyXbOO

Secret ID

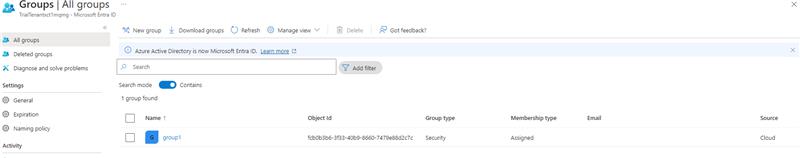
3db43add-69f8-4b21-b6a1-a661c80b39e2

[Saturday 10:15 AM] Krishna Josyula

Granted permissions



[Saturday 11:30 AM] Krishna Josyula



[Saturday 11:33 AM] Krishna Josyula

Created new users for applicatin login with password 3Idiot@12345

[nitin@trialtenantxct1mqmg.onmicrosoft.com](mailto:nitin@trialtenantxct1mqmg.onmicrosoft.com)

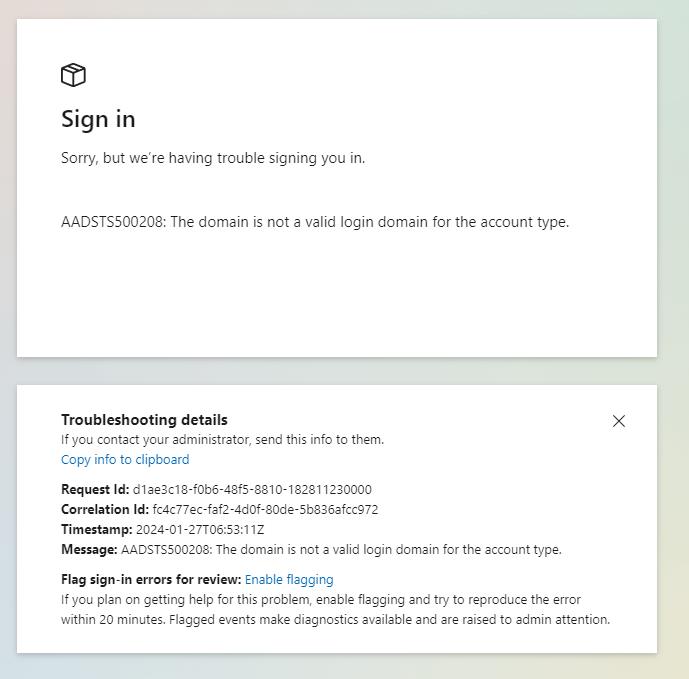
[krishna@trialtenantxct1mqmg.onmicrosoft.com](mailto:krishna@trialtenantxct1mqmg.onmicrosoft.com)

[Saturday 12:23 PM] Krishna Josyula

Account setup is completed but when trying to access I am getting error.  Can you look into some time?

<http://localhost:8080/>

<http://localhost:8080/account>



[Saturday 12:27 PM] Krishna Josyula

To run in your local machine

[0] Download the code from <https://github.com/jdubois/spring-active-directory> and extract the zip file.

[1] AFter download the code add new file src\main\resources\application.properties with below contents

azure.activedirectory.active-directory-groups=group1, group2

azure.activedirectory.tenant-id=6db4134c-be57-4ed6-a50b-666bbd1428f9

spring.security.oauth2.client.registration.azure.client-id=837a6d50-6257-4428-bffa-408d69c93dd5

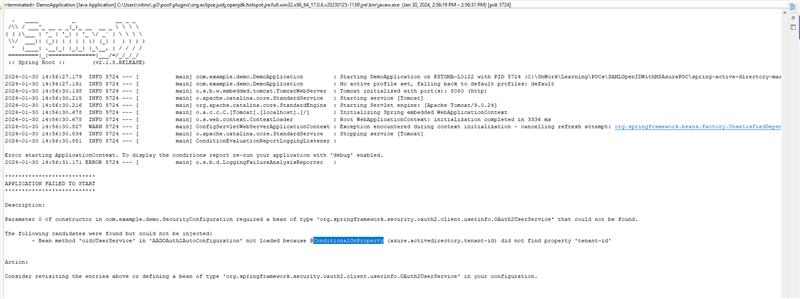
spring.security.oauth2.client.registration.azure.client-secret=okt8Q~BSOObvZTFgx4c9UA9PD9IuIUtTGHYyXbOO

[2] Run the class DemoApplication.java class

[Wednesday 4:12 AM] Nitin Somani

I am getting the below errors..

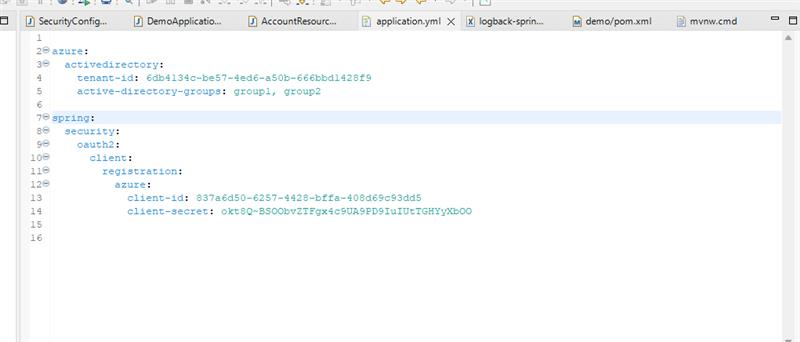
[Wednesday 4:12 AM] Nitin Somani



[Wednesday 4:13 AM] Nitin Somani

but I see the value in yml file.

[Wednesday 4:13 AM] Nitin Somani



[Wednesday 4:29 AM] Nitin Somani

I see that configuration is all good.

[Wednesday 10:26 AM] Krishna Josyula

yml file not working.  so you have to create .properoties file then it will run.

[Yesterday 5:43 PM] Nitin Somani

Okay

[Yesterday 5:58 PM] Nitin Somani

Call ?

[Yesterday 6:24 PM] Nitin Somani

Krishna Josyula (Guest)

Created new Outlook account the3idiots2024@outlook.com 3Idiot@54321

I don't see any application configured on this account

[Yesterday 6:25 PM] Nitin Somani

Ignore it. just seen it.

[Yesterday 6:27 PM] Krishna Josyula

Nitin Somani (External)

Call ?

Getting ready for scrum call.  Has to draw some diagrame.

[Yesterday 6:27 PM] Nitin Somani

ok

[Yesterday 6:27 PM] Nitin Somani

we will talk when you are free.

[Yesterday 6:29 PM] Krishna Josyula

Krishna Josyula

To run in your local machine [0] Download the code from https://github.com/jdubois/spring-active-directory and extract the zip file. [1] AFter download the code add new file src\main\resources\application.properties with below contents azure.activedirectory.active-directory-groups=group1, group2

App run with with application.properties file with those properties.  you can try.  only issue is login failing.

[Yesterday 6:29 PM] Nitin Somani

I did but same issue.

[Yesterday 6:29 PM] Nitin Somani

I will try again.

[Yesterday 6:30 PM] Krishna Josyula

I cannot send attachments in this group

[Yesterday 6:30 PM] Nitin Somani

ok

[Yesterday 6:31 PM] Krishna Josyula

not allowing

[Yesterday 6:31 PM] Nitin Somani

No Problem..

[Yesterday 6:31 PM] Nitin Somani

We will talk

[Yesterday 6:31 PM] Nitin Somani

WHen will you be free?

[Yesterday 6:32 PM] Krishna Josyula

I have meetings.  Will ping you.  mean while try running the app.

[Yesterday 6:32 PM] Krishna Josyula

look into the login issue also.

[Yesterday 6:32 PM] Nitin Somani

ok

[Yesterday 6:13 AM] Nitin Somani

still not working for me..

[Yesterday 6:14 AM] Nitin Somani

we will connect n check out

[Yesterday 10:11 AM] Krishna Josyula

I am online now