

1911131 - How to Setup Active Directory (AD) Kerberos with SAP ASE

Version	6	Type	SAP Knowledge Base Article
Language	English	Master Language	English
Release Status	Released to Customer	Category	How To
Component	BC-SYB-ASE (Sybase ASE Database Platform (non Business Suite))	Released On	06.12.2018

Please find the original document at <https://launchpad.support.sap.com/#/notes/1911131>

Symptom

- How to Setup Active Directory (AD) Kerberos with SAP ASE?
- AD is already setup and SAP ASE is installed.

Environment

- SAP Adaptive Server Enterprise (ASE)
- Sybase Software Developer Kit (SDK)

Resolution

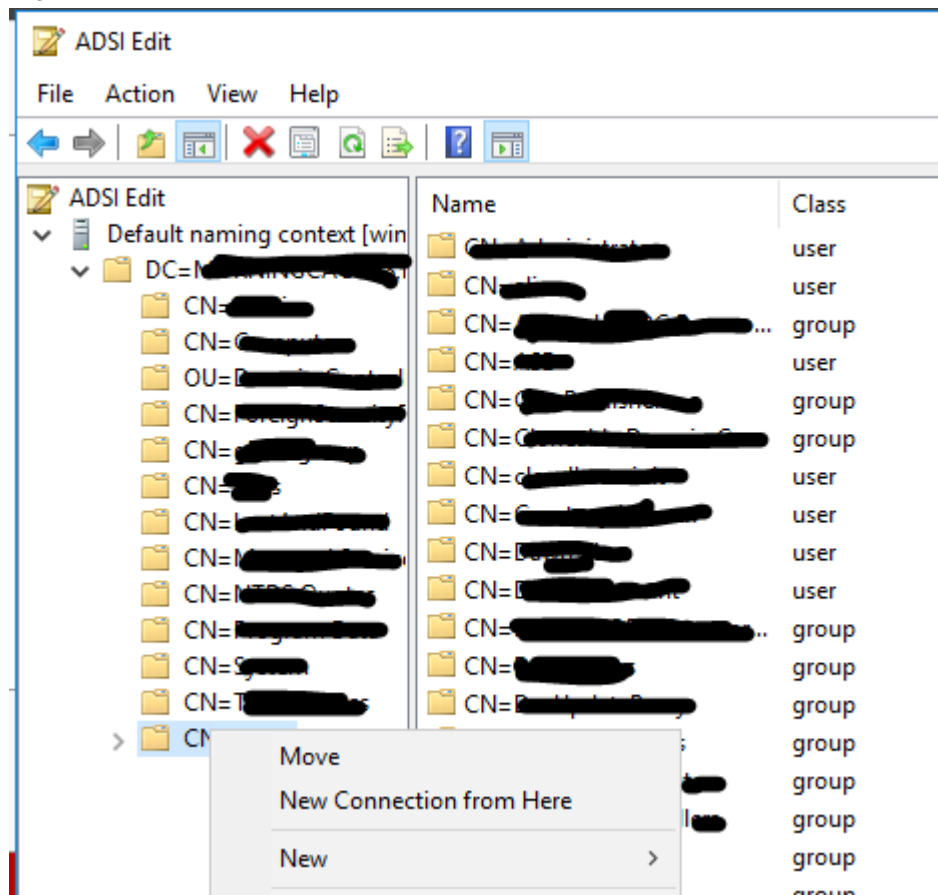
Configure ASE

1. Modify the interfaces file
[asename]
master=tcp,host,port
query=tcp,host,port
secmech=1.3.6.1.4.1.897.4.6.6
2. Modify libtcl.cfg and libtcl64.cfg
libtcl.cfg
[SECURITY]
csfkrb5=libsybskrb.dll secbase=@REALM
libgss=%SYBASE%\%SYBASE_OCS%\lib3p\libsybsspiwrapper.dll
libtcl64.cfg
[SECURITY]
csfkrb5=libsybskrb64 secbase=@REALM
libgss=%SYBASE%\%SYBASE_OCS%\lib3p64\libsybsspiwrapper64.dll
3. Enable Kerberos on ASE
isql into ASE
1>sp_configure "use security services", 1
2>go
4. Create user for ASE to use
Open Service Manager
select Tools > ADSI Edit
Right click ADSI Edit > Connect to...

Add Default naming context

Open DC=DOMAIN > CN = Users

Right click Users > New > Object...



Select a class: **user**

Common Name Value = **asename**

sAMAccountName Value = **asename**

5. Add Service Principal to ASE user

Click CN=Users > Right click CN=asename > properties

Double click servicePrincipalName
Value = **asehostname/asename**

6. Restart ASE
 - 1>**shutdown**
 - 2>**go**
7. Open Services
8. Go to SAP SQLServer_asename > right click Properties
9. Go to LogOn tab
10. Select "This account" radio button
11. Select Browse... button
12. Add new ASE user created above and after added enter password and Apply button
13. Go to General tab and start server
14. Check the ASE log for message:
"Successfully initialized the security mechanism 'csfkrb5'."
15. Test
Open cmd prompt
isql -V -Sasename -Rasename
1> **select @@authmech**
2> **go**

kerberos

Keywords

ActiveDirectory, security, single sign-on, signon, Win7, win, guide, odbc, setting up, secmech, authentication, prinicpal, realm, authmech,

Products

- SAP Adaptive Server Enterprise 15.7
- SAP Adaptive Server Enterprise 16.0
- SAP Adaptive Server Enterprise SDK 16.0
- Sybase Software Developer Kit 15.7

Other Components

Component	Description
BC-SYB-SDK	SDK