Summary

Symptom

The connection between the SAP application server and an LDAP Connector (such as via the function "Test connection" in transaction SM59) fails and one of the following error messages is issued:

   o   SNC disabled to start unsecure program, reject request to start

   o   SNC disabled for conversation <nnn>, tp = / CPI-C error
       CM_SECURITY

Other terms

LDAP Connector, ldap_rfc.exe, ldap_rfc.

Reason and Prerequisites

You have activated "Secure network communication" on the application server (profile parameter "snc/enable = 1")
The first error message is issued if the RFC destination (SM59), with which the LDAP Connector is to be addressed, has not set the "SNC active" indicator (the connection is to be insecure) and profile parameter "snc/permit_insecure_start" is not set for the gateway. In addition to the function contained in its name, the parameter also controls the transfer of insecure connections to registered server programs (such as the LDAP connector).
The second error message is issued if the RFC destination is set up for secure connections (SNC active and maintained SNC options), but the LDAP Connector is not prepared for a secure connection. The LDAP Connector also terminates under these circumstances.

Solution

Set profile parameter "snc/permit_insecure_start = 1" to run the LDAP Connector in insecure mode regardless of an active SNC. If the LDAP Connector is executed locally on each application server, the connections remain local within the application server.
Alternatively, you must start the LDAP Connector in such a way that it uses the interfaces to an SNC library that are provided by the RFC library.
For this, you must specify the "-L" command line parameter with the complete path to the SNC library. You must enter the SNC name to be used by the LDAP Connector in the SNC options of transaction SM59. You do not have to specify the "-S" command line option (the SNC name), as this setting may be taken from SM59.
For setting up trusted connections between the application server and the LDAP Connector, the same rules apply as for setting up SNC between two application servers.
If you are executing the LDAP Connector on an application server and are monitoring the CCMS, you cannot specify the "-L" command line option directly.
As of version 2.3, the LDAP Connector provides the option of specifying the parameter via a configuration file. For more detailed information, see Note 506671.

Example: LDAP Connector on the application server

o   SNC is activated on the application server ("snc/enable = 1").

o   In SM59, maintain the SNC options for the RFC destination of the LDAP Connector, specify the SNC name of the application server as partner name (profile parameter "snc/identity/as"), and activate SNC for the connection.

By choosing the SNC name you ensure that the system can find relevant credentials (that is, the credentials of the application server that must exist due to "snc/enable = 1").

o   Now use the configuration file of the LDAP Connector (see Note 506671) to set the "L" option to the value found in the "snc/gssapi_lib" profile parameter (path to the SNC library).

Example: "snc/gssapi_lib" has the value "D:\usr\sap\PRD\D26\sec\mysnclib.dll". Insert a line with the following content in the "ldap_rfc.cfg" file in the current directory of the LDAP Connector:
L = "D:\usr\sap\PRD\D26\sec\mysnclib.dll"

o   Restart the LDAP Connector.

o   In SM59, you should now be able to test the connection.

Header Data

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Priority:	Recommendations/additional info
Category:	Consulting
Primary Component:	BC-SEC-DIR Directory

Secondary Components:

BC-SEC-SNC Secure Network Communications

The Note is release-independent

Related Notes

Number	Short Text
517755	Saving the network link to a directory server
506671	LDAP Connector (Version 2.3)

Attributes

Attribute	Value
Transaction codes	LDAP
Transaction codes	SM59