

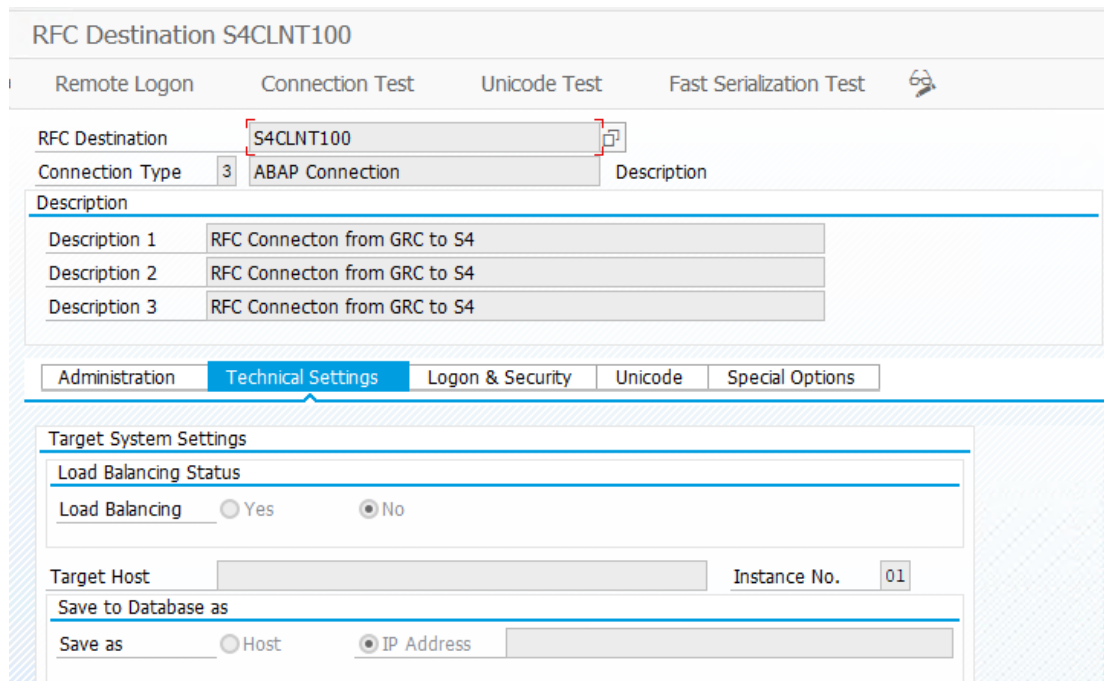
1. Create three RFC Connections between Front End System (FES) and Back End System (BES) using the transaction SM59 with the following naming pattern and normal RFC connection between Back End System (BES) and Front End System (FES)

RFC CONNECTIONS REQUIRED FROM FES → BES

- <BES SID>CLNT<Client No.> - E.g. S4HCLNT100
- <BES SID>CLNT<Client No.>_RFC - E.g. S4HCLNT100_RFC
- <BES SID>CLNT<Client No.>_HTTPS - E.g. S4HCLNT100_HTTPS
 - o HTTPS connection will be of type H


RFC CONNECTIONS REQUIRED FROM BES → FES

- <FES SID>CLNT<Client No.> - E.g. G12CLNT100



The screenshot displays the SAP SM59 transaction for configuring an RFC Destination. The title bar shows 'RFC Destination S4CLNT100'. Below the title bar are tabs for 'Remote Logon', 'Connection Test', 'Unicode Test', 'Fast Serialization Test', and a printer icon. The 'Connection Test' tab is active. The 'RFC Destination' field contains 'S4CLNT100'. The 'Connection Type' is set to '3' (ABAP Connection). The 'Description' field is empty. Below the 'Description' field is a table with three rows, each containing a description: 'RFC Connecton from GRC to S4'. At the bottom, there are tabs for 'Administration', 'Technical Settings', 'Logon & Security', 'Unicode', and 'Special Options'. The 'Technical Settings' tab is active. Under 'Target System Settings', the 'Load Balancing Status' is set to 'No'. The 'Target Host' field is empty, and the 'Instance No.' is '01'. The 'Save to Database as' section shows 'Save as' set to 'IP Address'.

RFC Destination S4CLNT100

Remote Logon Connection Test Unicode Test Fast Serialization Test 

RFC Destination: S4CLNT100

Connection Type: 3 ABAP Connection Description:

Description

Description 1: RFC Connecton from GRC to S4

Description 2: RFC Connecton from GRC to S4

Description 3: RFC Connecton from GRC to S4

Administration Technical Settings **Logon & Security** Unicode Special Options

Language:


Client: 100

User: GRRCFCUSER ☐ Current User

PW Status: saved


Trust Relationship: ☒ No ☐ Yes ☐ Logon Screen

Status of Secure Protocol

 SNC ☒ Inactive ☐ Active

Create another RFC connection with **_RFC** naming convention

RFC Destination S4CLNT100_RFC

Remote Logon Connection Test Unicode Test Fast Serialization Test 

RFC Destination: S4CLNT100_RFC

Connection Type: 3 ABAP Connection Description:

Description

Description 1: RFC Connecton from FORI for to S4

Description 2: RFC Connecton from FORI for to S4

Description 3: RFC Connecton from FORI for to S4

Administration **Technical Settings** Logon & Security Unicode Special Options

Target System Settings

Load Balancing Status

Load Balancing: ☐ Yes ☒ No

Target Host: Instance No.: 01

Save to Database as

Save as: ☐ Host ☒ IP Address

**For any other SAP Security related training, please contact at
sp.sapseccontent@gmail.com**

SAP FIORI SECURITY - SETUP AND SECURITY

RFC Destination S4CLNT100_RFC

Remote Logon Connection Test Unicode Test Fast Serialization Test

RFC Destination: S4CLNT100_RFC

Connection Type: 3 ABAP Connection

Description

Description 1	RFC Connection from FIORI for to S4
Description 2	RFC Connection from FIORI for to S4
Description 3	RFC Connection from FIORI for to S4

Administration Technical Settings **Logon & Security** Unicode Special Options

Language:

Client: 100

User: FIORIRFCUSER ☐ Current User

PW Status: saved

Trust Relationship: ☒ No ☐ Yes ☐ Logon Screen

Status of Secure Protocol

☒ SNC ☐ Inactive ☐ Active

Create another RFC connection with **_HTTP** or **_HTTPS** naming convention

NOTE: You will get host name and port number in transaction code **SMMS** in Back End System

Or You can use Tcode **SMICM** → click on **Services**

RFC Destination S4CLNT100_HTTPS

Connection Test

RFC Destination: S4CLNT100_HTTPS

Connection Type: H HTTP Connection to ABAP System

Description

Description 1	HTTPS from FIORI to S4
Description 2	HTTPS from FIORI to S4
Description 3	HTTPS from FIORI to S4

Administration **Technical Settings** Logon & Security Special Options


Target System Settings


Host	<input type="text" value="Specify the host name"/>	Port	<input type="text"/>
Path Prefix	<input type="text" value="/sap/bc/ui2/flp"/>		

Specify the port number

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RFC Destination S4CLNT100_HTTPS

Connection Test 

RFC Destination 

Connection Type HTTP Connection to ABAP System Description

Description

Description 1	HTTPS from FIORI to S4
Description 2	HTTPS from FIORI to S4
Description 3	HTTPS from FIORI to S4

Administration Technical Settings **Logon & Security** Special Options

Logon Procedure

Logon with User

☐ Do Not Use a User

☒ SAP RFC Logon

☐ Trust Relationship

☐ Basic Authentication

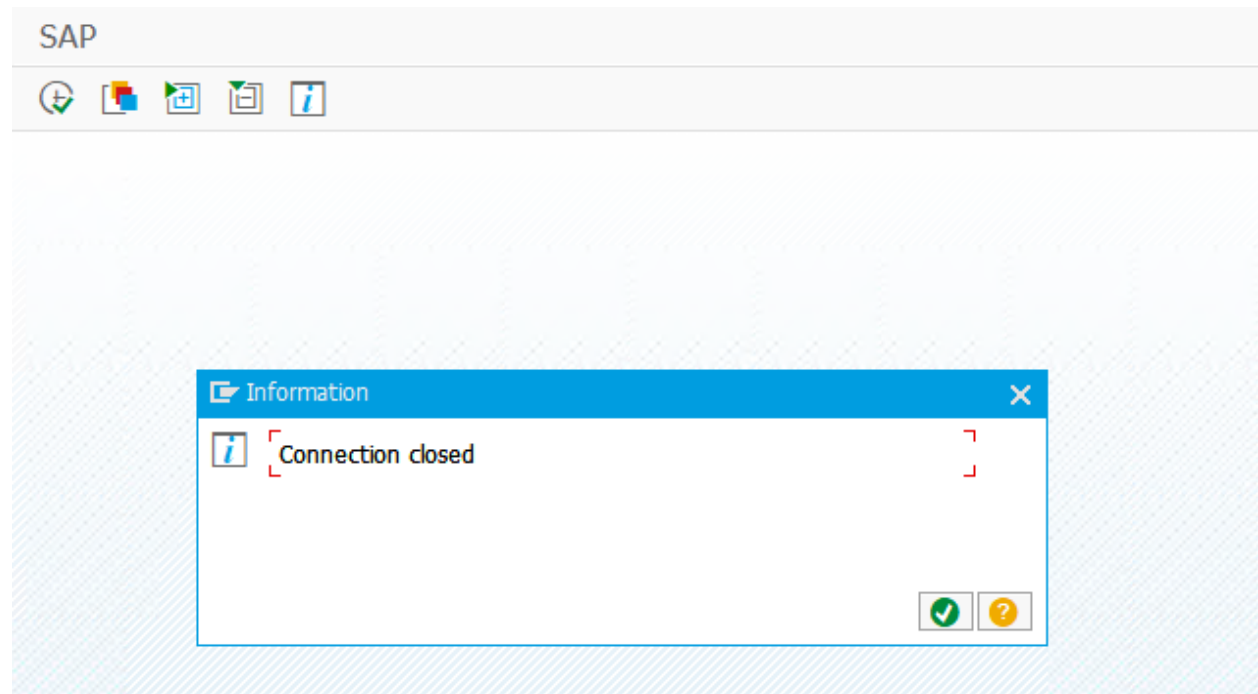
Language

Client

User ☐ Current User

PW Status

If all entries are correct, you will get the following screen when you a connection test



RFC CONNECTIONS REQUIRED FROM BES → FES

▼ Remote Logon Connection Test Unicode Test Fast Serialization Test Display <-> Change More ▼

RFC Destination:

Connection Type: Description

Description

Description 1:

Description 2:

Description 3:

Administration Technical Settings Logon & Security Unicode Special Options

Target System Settings

Load Balancing Status

Load Balancing: ☐ Yes ☒ No

Target Host: Instance No.:

OR

2. Create three Trusted RFC Connections with the above mentioned naming pattern between Front End Server (FES) and Back End Server (BES) using the transaction SMT1 and one Trusted RFC connection between Back End Server (BES) and Front End Server (FES)

The results should be same as above when you the RFC connections test for all three types of RFCs

OBSERVATIONS:

1. **_RFC** are taken into account when catalogs replication is performed in FES
2. **_HTTPS** connection is taken into account when you use SAP GUI apps

The front-end system needs to connect to the back-end server during:

- **SAP Fiori launchpad design time, when replicating back-end catalogs to the front-end server: here we need an RFC connection.**
- **SAP Fiori launchpad runtime, when navigating to the application: here we need an HTTP or an HTTPS connection.**