

SAP Basis

RFC Between

SAP ECC &

HANA

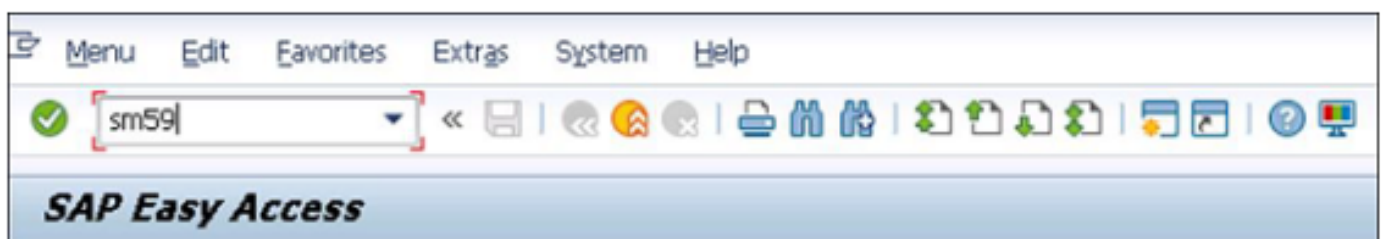
SAP Basis - RFC Between SAP ECC & HANA

Creating a Trusted RFC between SAP ECC and HANA

Suppose, you want to set up a trusted RFC towards target system BB1 on your source SAP system AA1. With the completion of the setup, you would be logged onto AA1 and your user would have enough authorization in BB1; you can use the RFC connection and logon to BB1 without having to re-enter username and password.

Using RFC trusted/trusting relationship between two SAP systems, RFC from a trusted system to a trusting system, password is not required for logging on to the trusting system.

Open SAP ECC system using SAP logon. Enter transaction code SM59 → this is the transaction code to create a new Trusted RFC connection → Click on the 3rd icon to open a new connection wizard → click on Create and a new window will open.



RFC Destination ECCHANA (Enter name of RFC destination)
Connection Type 3 (for ABAP system)
Go to Technical Setting.
Enter target host ECC system name, IP and enter system number.

The screenshot shows the 'Technical Settings' tab of the RFC Destination configuration. The 'RFC Destination' field is set to 'TESTRFCSAP' and 'Connection Type' is set to '3 ABAP Connection'. The 'Description' section has three empty text boxes. The 'Target System Settings' section includes 'Load Balancing Status' with 'Load Balancing' set to 'No'. The 'Target Host' field is highlighted in yellow and has an arrow pointing to it. The 'System Number' field is empty. The 'Save as' section has 'Save to Database as' set to 'IP Address'.

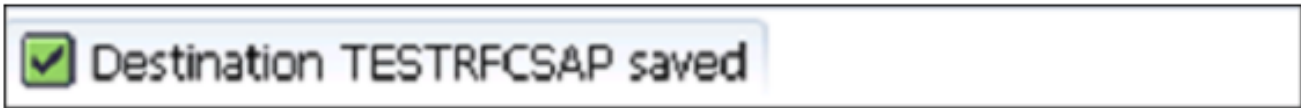
Field	Value
RFC Destination	TESTRFCSAP
Connection Type	3 ABAP Connection
Description 1	
Description 2	
Description 3	
Load Balancing	No
Target Host	
System Number	
Save as	IP Address

Go to Logon & Security Tab, Enter Language, Client, ECC system username and password.

The screenshot shows the 'Logon & Security' tab of the RFC Destination configuration. The 'RFC Destination' field is set to 'TESTRFCSAP'. The 'Logon Procedure' section includes 'Language', 'Client', 'User', 'PW Status' (set to 'is initial'), and 'Password' (masked with asterisks). The 'Current User' checkbox is unchecked. The 'Target Host' field from the previous tab is still highlighted in yellow.

Field	Value
RFC Destination	TESTRFCSAP
Language	
Client	
User	
PW Status	is initial
Password	*****
Current User	<input type="checkbox"/>

Click on the Save option at the top.



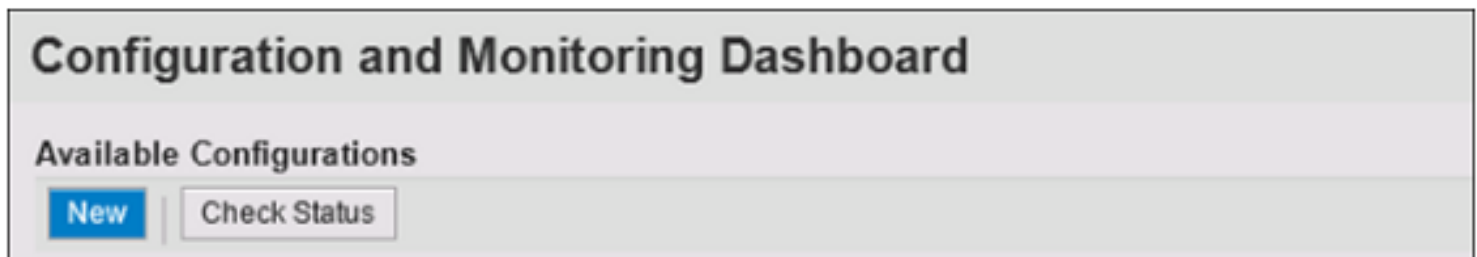
Click on Test Connection to successfully test the connection.

RFC - Connection Test	
Connection Test TESTRFC SAP	
Connection Type SAP Connection	
Action	Result
Logon	86 msec
Transfer of 0 KB	2 msec
Transfer of 10 KB	5 msec
Transfer of 20 KB	22 msec
Transfer of 30 KB	3 msec

Configuring RFC Connection

Follow these steps to configure RFC connection –

Step 1 – Run transaction Itr (to configure RFC connection)
→ New browser will open → Enter ECC system username and password and logon.



Step 2 – Click on New → New Window will open → Enter configuration name → Click Next → Enter RFC Destination (connection name created earlier), Use search option, Choose name and click Next.

The screenshot shows the 'Create Configuration' dialog box with the 'Specify Source System' step selected. The configuration name is 'SAPECCTEST'. The 'System Data' section has 'RFC Connection' selected. The 'RFC Destination' is 'TESTRFC SAP'. There are checkboxes for 'Allow Multiple Usage' and 'Read from Single Client', both of which are unchecked.

Create Configuration

Configuration Name SAPECCTEST

1 Specify General Data 2 Specify Source System 3 Specify Target System 4 Specify Transfer Settings 5 Review and Create 6 Confirmation

< Previous Next > Close

Specify the relevant information in order to connect to the source system.

System Data

☒ RFC Connection ☐ DB Connection

* RFC Destination: TESTRFC SAP

Allow Multiple Usage: ☐

Read from Single Client: ☐

Step 3 – In Specify Target system, Enter HANA system admin username & password, host name, Instance number and click Next. Enter number of data transfer jobs like 007 (it cant be 000) → Next → Create Configuration.

Testing Trusted RFC

Click on Test Connection to successfully test a connection.

The screenshot shows the 'RFC Destination CEQC' dialog box. The 'Test' menu is open, showing options: 'Connection Test' (Ctrl+F3), 'Authorization Test' (Ctrl+F4), and 'Unicode Test' (Ctrl+F5). The 'Authorization Test' option is highlighted with a black arrow. Below the menu, there are buttons for 'Remote Logon', 'Connection Test', and 'Unicode Test'. The 'RFC Destination' is 'CEQC'. The 'Connection Type' is '3 ABAP Connection'.

Connection Edit Goto Extras Utilities(M) System Help

Test

Remote Logon Ctrl+F7

Connection Test Ctrl+F3

Authorization Test Ctrl+F4

Unicode Test Ctrl+F5

Remote Logon Connection Test Unicode Test

RFC Destination CEQC

Connection Type 3 ABAP Connection

Description

RFC - Connection Test	
Connection Test TESTRFC SAP	
Connection Type SAP Connection	
Action	Result
Logon	86 msec
Transfer of 0 KB	2 msec
Transfer of 10 KB	5 msec
Transfer of 20 KB	22 msec
Transfer of 30 KB	3 msec