

Creating and Setting up a Business Intelligence Client in NetWeaver 2004s/7.0

Applies to:

NetWeaver 2004s/7.0 based Systems

Summary

This will allow users to set up a Business Intelligence client in NetWeaver 2004s/7.0 Application Server ABAP system. The article covers all steps involved from creating a client to setting up a source system.

Author(s): Imran H. Khan

Company: Accenture

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Author Bio



My name is Imran H. Khan, I have working as a NetWeaver Technical Analyst (Basis) with Accenture for little over two years. I have primarily worked on NetWeaver 2004s based system, but do have some exposure to R/3 47X as well.

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Overview

I wrote this installation document to make my life easier especially as I moved from one project to another. Now, I have decided to make this document available to the wider community.

There is nothing special in this document, essentially I have compiled information from various SDN forums and included them in a single document. I know we all hate rummaging through various forums trying to find relevant information.

I would also like to take this opportunity to thank all the resources in SDN who have contributed in some manner to the forum. I know I couldn't have done this without your input.

Please feel free to critique and provide suggestions for improvements.

Assumptions

- This document doesn't cover how to install, upgrade or patch SAP systems.
- This document doesn't cover how to import languages in SAP systems.
- This document assumes that the user has some experience with SAP NetWeaver architecture and SAP Support.

Setting up the BI Client

Step 1

Perform Client Copy (000 to XXX)

Create new client XXX using SCC4

Where XXX is the new client

Assign Logical System name to this client.

The screenshot shows the SAP Display View 'Clients': Details for Client 200 Business Intelligence. The interface includes a menu bar (Table View, Edit, Goto, Selection, Utilities(M), System, Help) and a toolbar with various icons. The main content area displays client details and configuration options.

Client:	200 Business Intelligence		
City	Toronto	Last Changed By	SAP*
Logical system	NDBCLNT200	Date	30.10.2007
Std currency	USD		
Client role	Test		

Changes and Transports for Client-Specific Objects

- Changes without automatic recording
- Automatic recording of changes
- No changes allowed
- Changes w/o automatic recording, no transports allowed

Cross-Client Object Changes

Changes to Repository and cross-client Customizing allowed

Protection: Client Copier and Comparison Tool

Protection level 0: No restriction

CATT and eCATT Restrictions

eCATT and CATT Not Allowed

Restrictions

Locked due to client copy

Step 2

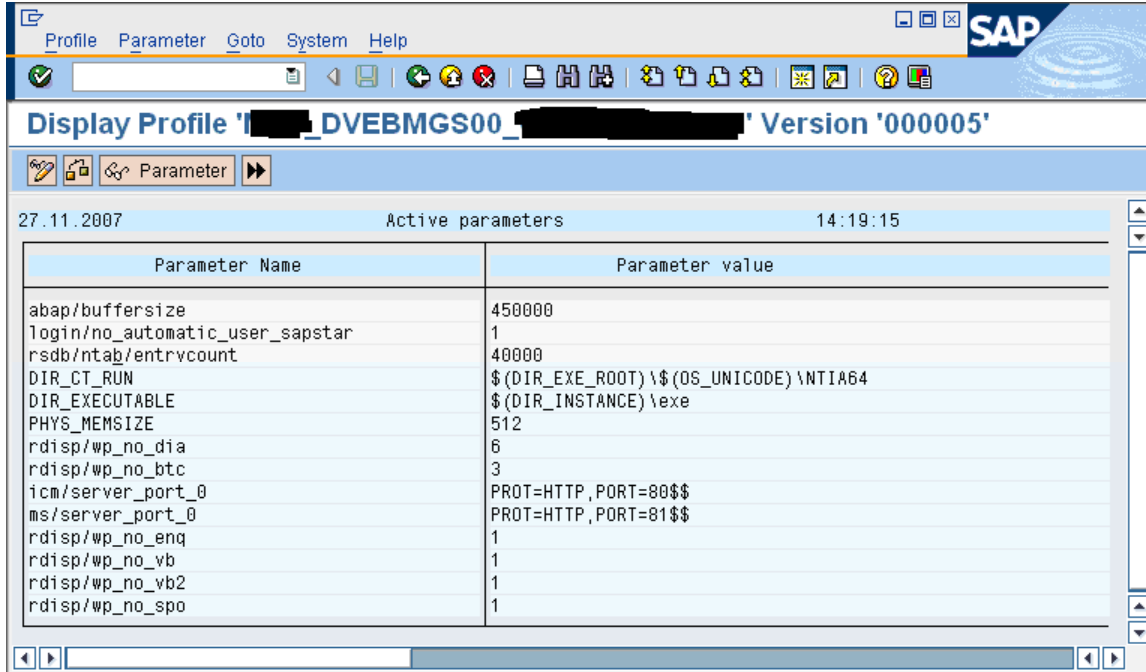
(You should have already made the necessary corrections to the Instance Profile to allow logging into client XXX)

Transaction RZ10

Select Instance Profile: SID_DVEBMGSXX_HOSTNAME

Where SID is your systems SID

Login/no_automatic_user_sapstar = 0 (ZERO)



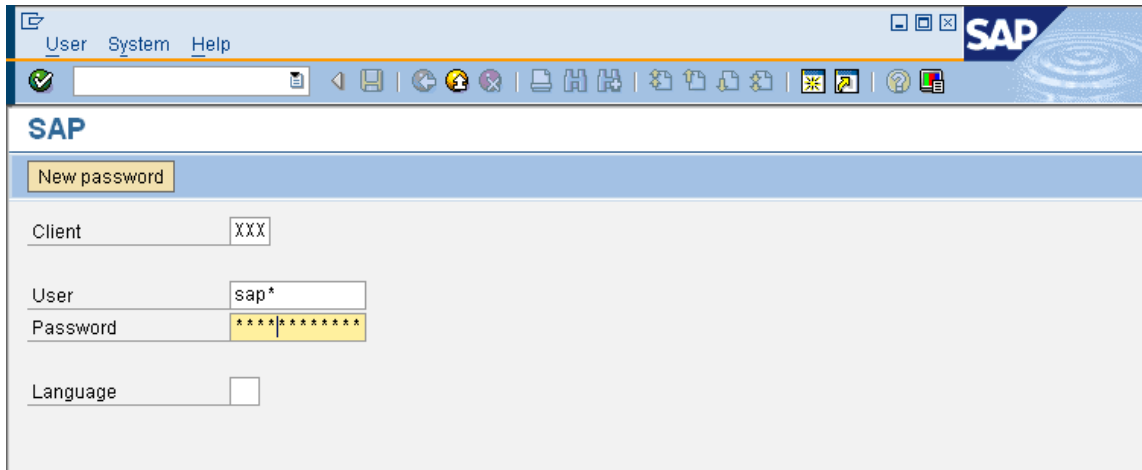
Please remember to set this parameter back to 1 after completing client copy.

Step 3A

Log into client XXX

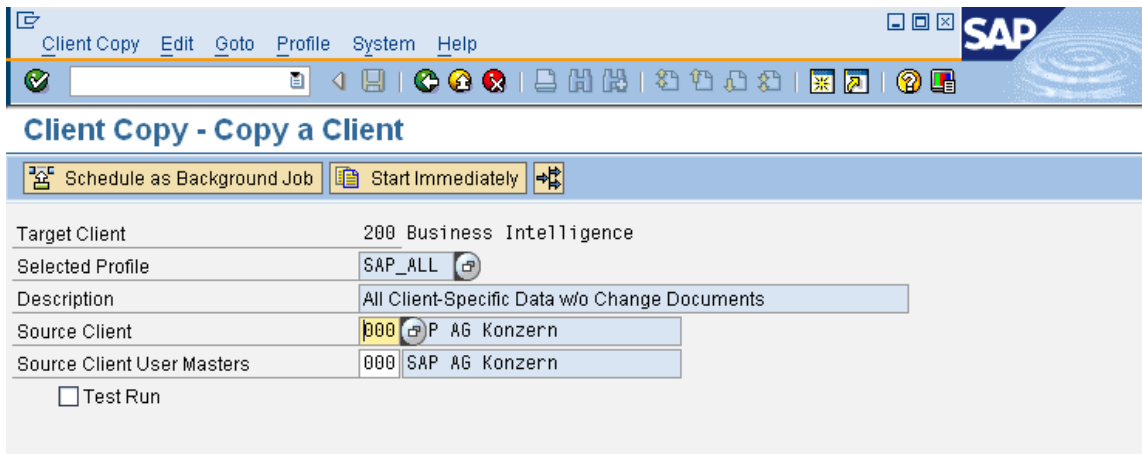
User Name: sap*

Password: pass



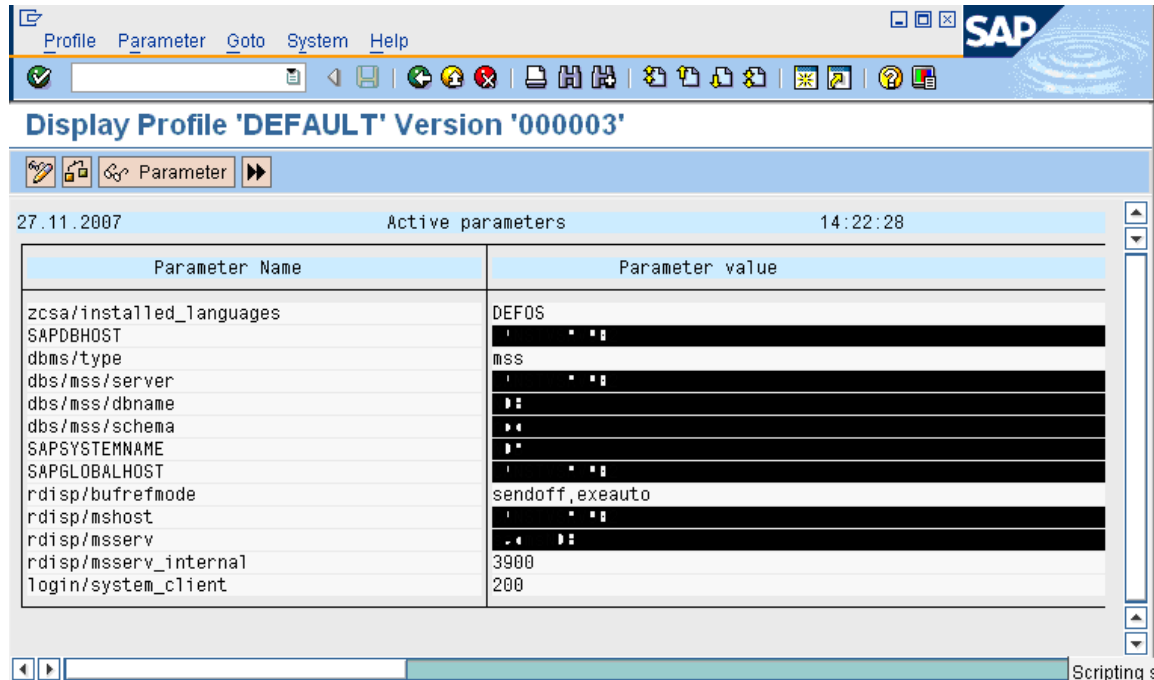
Go to transaction SCCL and perform Client Copy from 000 using SAP_ALL

Always do a test client copy before



Step 3B

Change BI login client from 000 to XXX



Perform Changes to Default Profile

Login/system_client: XXX

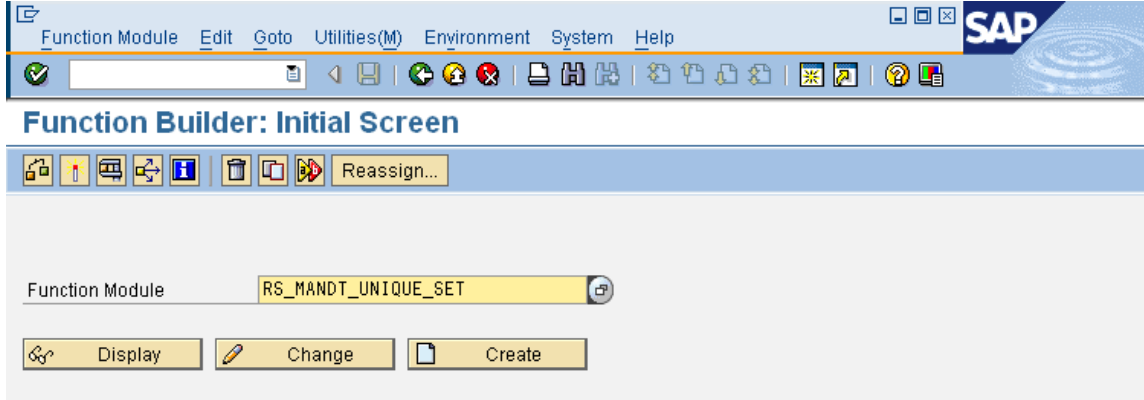
Step 4

Change the BI client from 000 to XXX

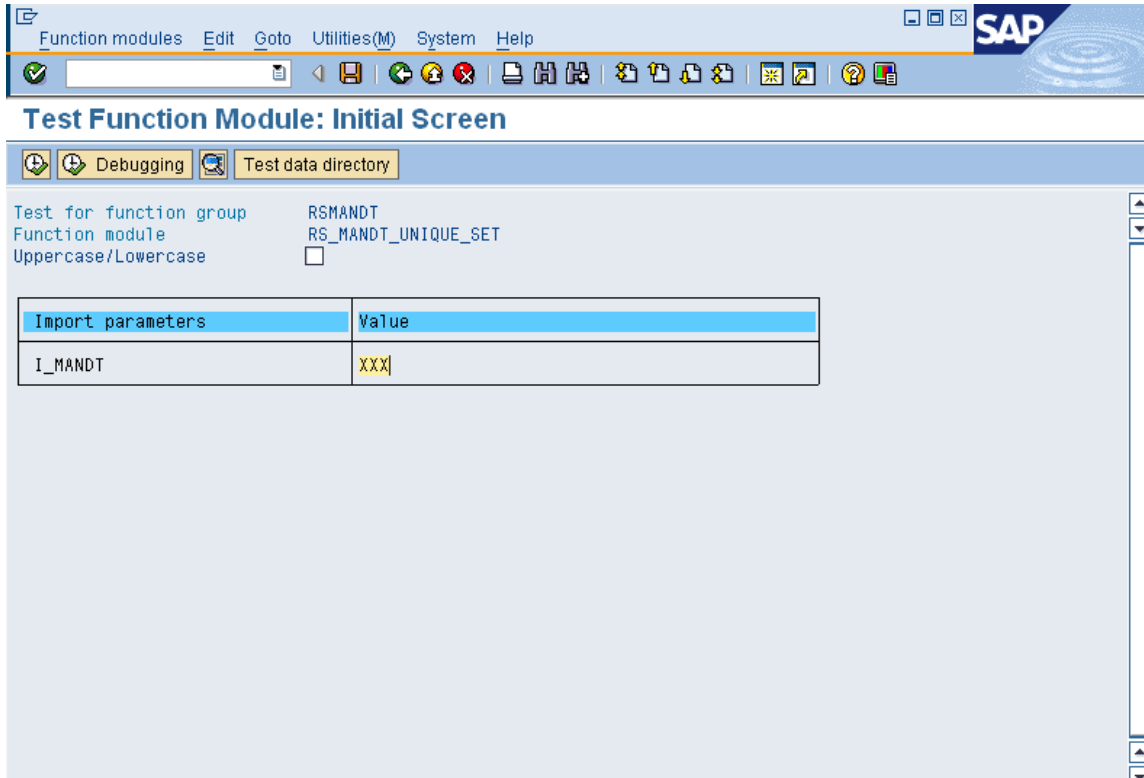
Transaction SE37

Execute Function Module: RS_MANDT_UNIQUE_SET

Press F8 to execute



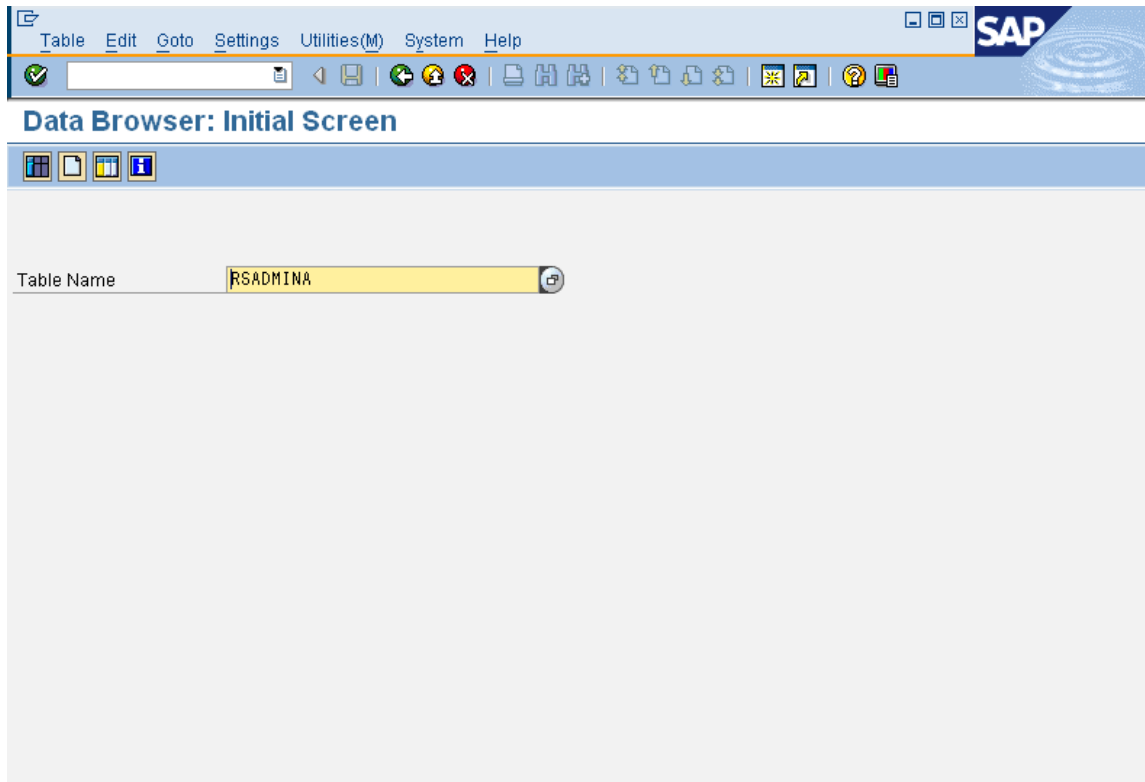
Enter XXX in the field



Step 5

Go to transaction SE16

Table Name: RSADMINA



Press F7

Step 5B

Make the following Corrections:

BW_USER: BW_USER

BWMANDT: XXX

Run (F8)

Data Browser: Table RSADMINA: Selection Screen

Number of Entries

CUSTOMIZID	<input type="text"/>	to	<input type="text"/>	
BW_USER	<input type="text" value="BW_USER"/>	to	<input type="text"/>	
DEBUG_USER	<input type="text"/>	to	<input type="text"/>	
BEX_REQUEST	<input type="text"/>	to	<input type="text"/>	
DBSYSDEPGLOBL	<input type="text"/>	to	<input type="text"/>	
DBSYSDEPREAD	<input type="text"/>	to	<input type="text"/>	
HIERREL	<input type="text"/>	to	<input type="text"/>	
MONFILLED	<input type="text"/>	to	<input type="text"/>	
IDOCLASTNBR	<input type="text"/>	to	<input type="text"/>	
ISLASTNBR	<input type="text"/>	to	<input type="text"/>	
TSLASTNBR	<input type="text"/>	to	<input type="text"/>	
MONARCHNBR	<input type="text"/>	to	<input type="text"/>	
XPRADONE	<input type="text"/>	to	<input type="text"/>	
BWMANDT	<input type="text" value="XXX"/>	to	<input type="text"/>	
ODSMAXTASKS	<input type="text"/>	to	<input type="text"/>	
ODSMINPAKSIZE	<input type="text"/>	to	<input type="text"/>	
ODSACTTIMEOUT	<input type="text"/>	to	<input type="text"/>	
ENQ_PROT_ON	<input type="text"/>	to	<input type="text"/>	
ODSSERVGROUP	<input type="text"/>	to	<input type="text"/>	
BWMANDTRFC	<input type="text"/>	to	<input type="text"/>	
TPBWMANDTRFC	<input type="text"/>	to	<input type="text"/>	
MDINSRECBYREC	<input type="text"/>	to	<input type="text"/>	
TREX_RFC_DEST	<input type="text"/>	to	<input type="text"/>	
PAK_MD_DEL	<input type="text"/>	to	<input type="text"/>	

Width of Output List:

Maximum No. of Hits:

Step 6A

Create User in BI

Transaction: SU01

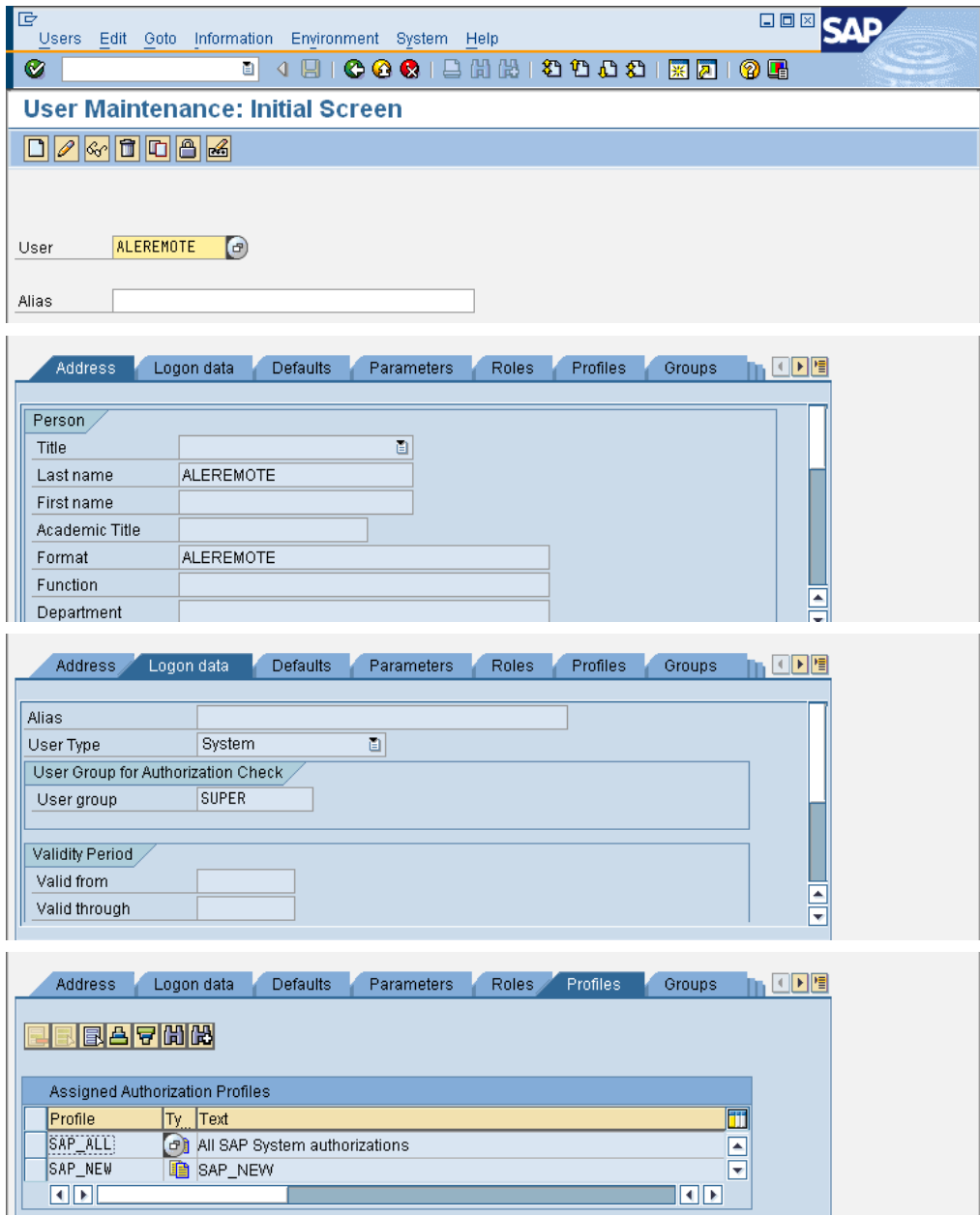
This user is used to send information from ECC to BI, so has to be created on the BI side.

ALEREMOTE

This user will be a system (background) user

For non production environments you can assign this user SAP_ALL profile.

Depending on the company policies, you may have to create and assign specific roles to this user.



Step 6B

Create User in ECC

Transaction: SU01

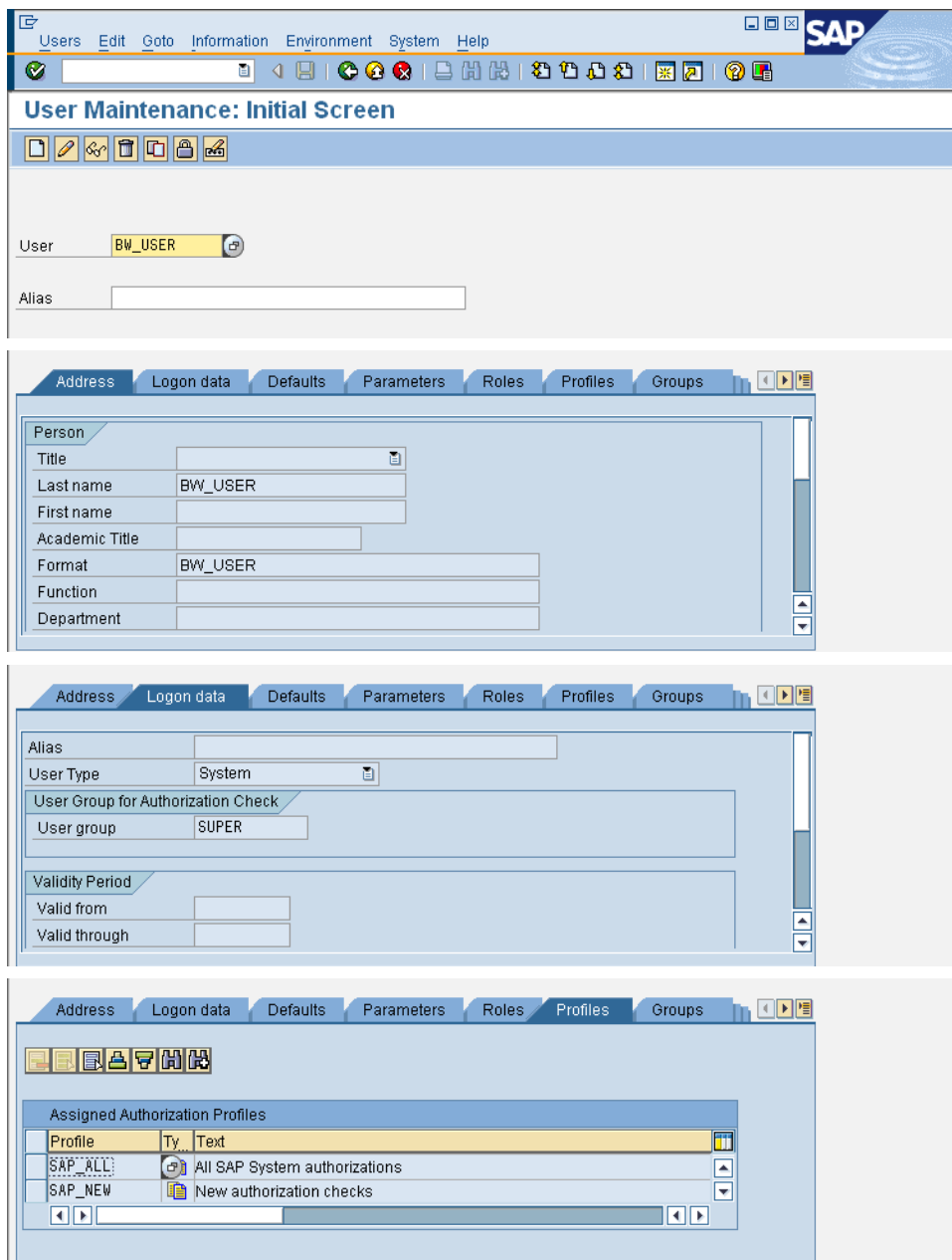
This user is used to send information from BI to ECC, so has to be created on the ECC side.

BW_USER

This user will be a system (background) user

For non production environments you can assign this user SAP_ALL profile.

Depending on the company policies, you may have to create and assign specific roles to this user.



Step 7A

Create RFC in BI

Logical Destination for ECC

Transaction: SM59

The screenshot shows the SAP SM59 transaction for RFC Destination NDECLNT100. The 'Technical Settings' tab is active. The 'Target System Settings' section includes:

- Load Balancing Status: Load Balancing is set to No.
- Target Host: HOSTNAME, System Number: 00.
- Save to Database as: Save as is set to IP Address, with the value 10.11.3.1.

 The 'Gateway Options' section has empty fields for Gateway Host and Gateway service, and a 'Delete' button.

The screenshot shows the same SAP SM59 transaction for RFC Destination NDECLNT100, but with the 'Logon & Security' tab active. The 'Security Options' section includes:

- Trusted System/Logon Screen Status: Trusted System is set to No, and Logon Screen is .
- Status of Secure Protocol: SNC is Inactive, and Active is .
- Authorization for Destination: An empty text field.

 The 'Logon' section includes:

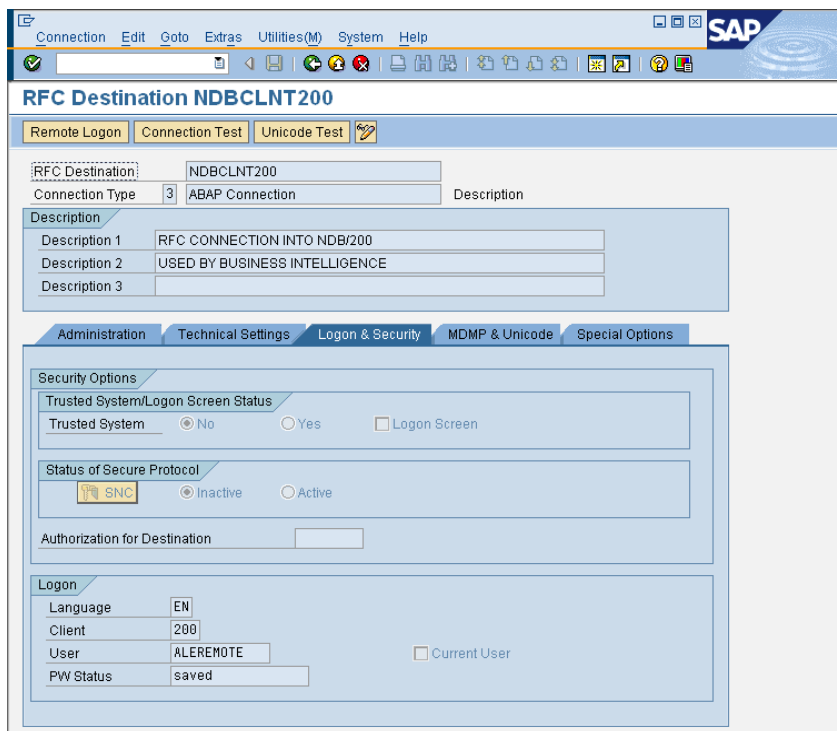
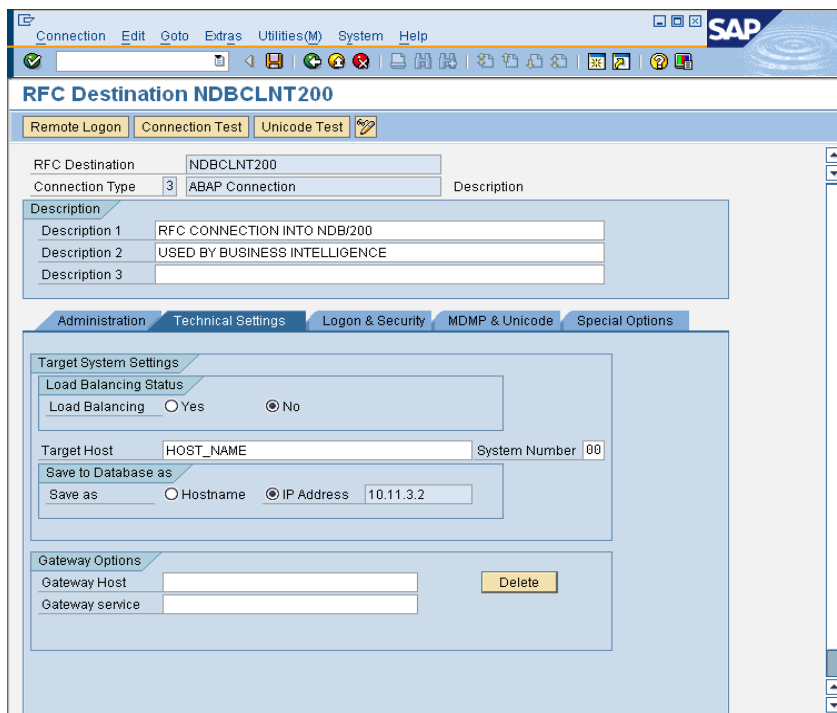
- Language: EN
- Client: 100
- User: BW_USER, with a Current User checkbox.
- PW Status: saved

Step 7B

Create RFC in ECC

Logical Destination for BI

Transaction: SM59



Step 8

Make sure SAP Uses BW_USER to connect to ECC

Log into Client XXX

Transaction RSA1

If there is no error or stop message than you can proceed, otherwise the client is not set up to be the primary BI/BW client.

System -> Global Settings

Change Mode

Change BW User ALE to BW_USER from RFCUSER

Table View Edit Goto Selection Utilities(M) System Help

SAP

Display View "RSADMINA Maintenance View": Details

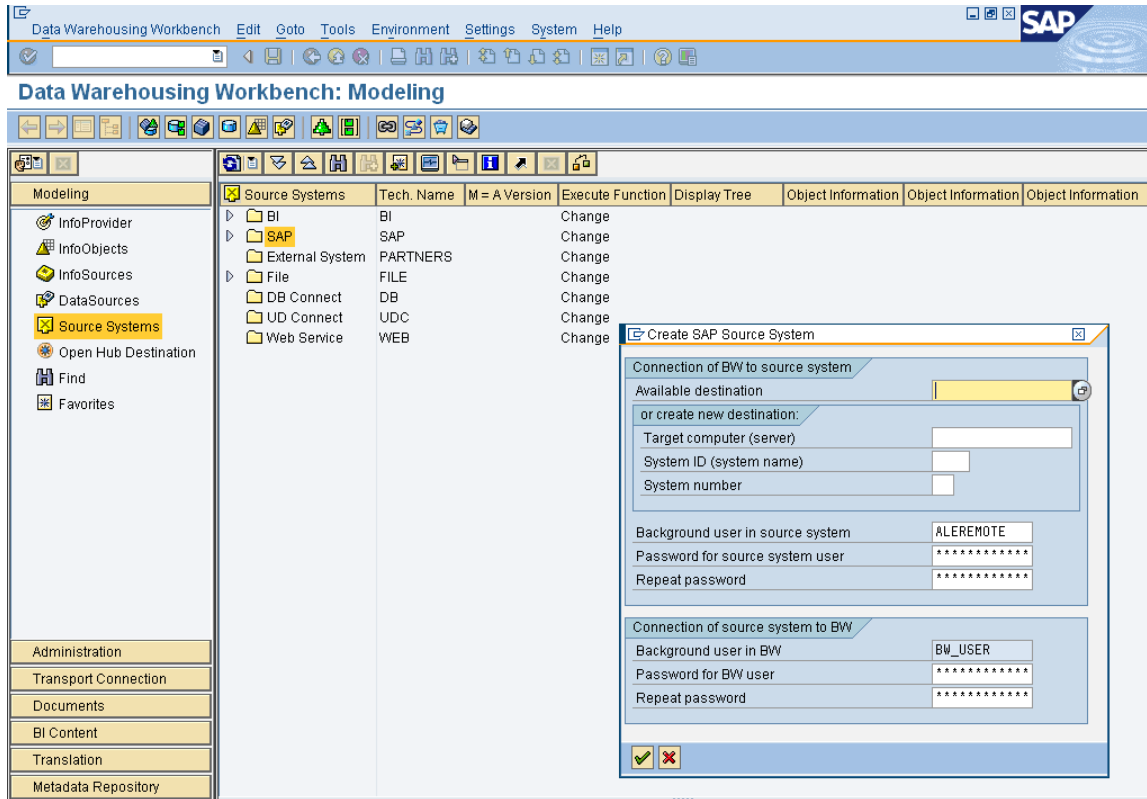
RSADMINA Maintenance View

;BW User ALE:	BW_USER
Debugging User	
BEx order number	
Releasest. hier	
Monitor initial	
Last IDoc no.	4
Last IS-Nr.	0
XPRA executed	
Lock Mangr Logs	
MD: Sing. Rec. Inst	
HPA BI Accelerator	
<input type="checkbox"/> Pack.Mas.Data Del.	

Step 9A

Setting up source system in BI7

Under Modeling, Select Source Systems

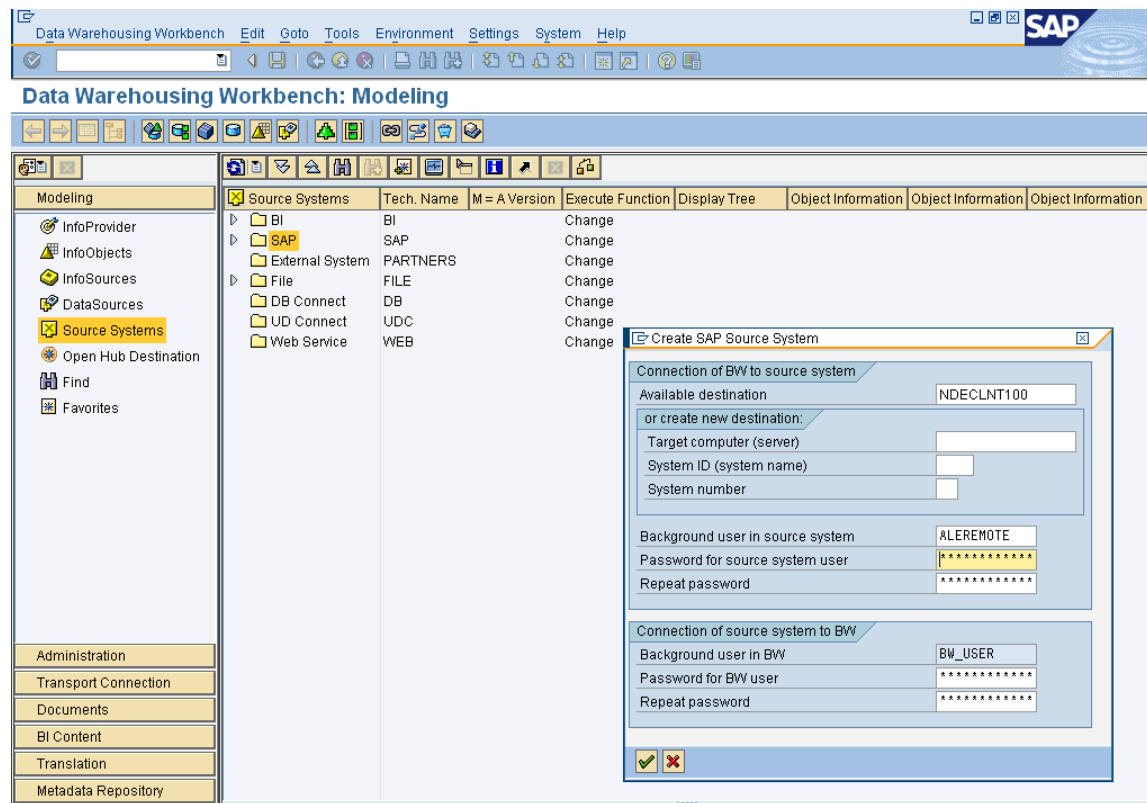


Enter the RFC Destination to the Source System (ECC Client)

Step 9B

Right click SAP

Select Create



Enter the RFC Destination for the Source (ECC) system. **Step 7A**

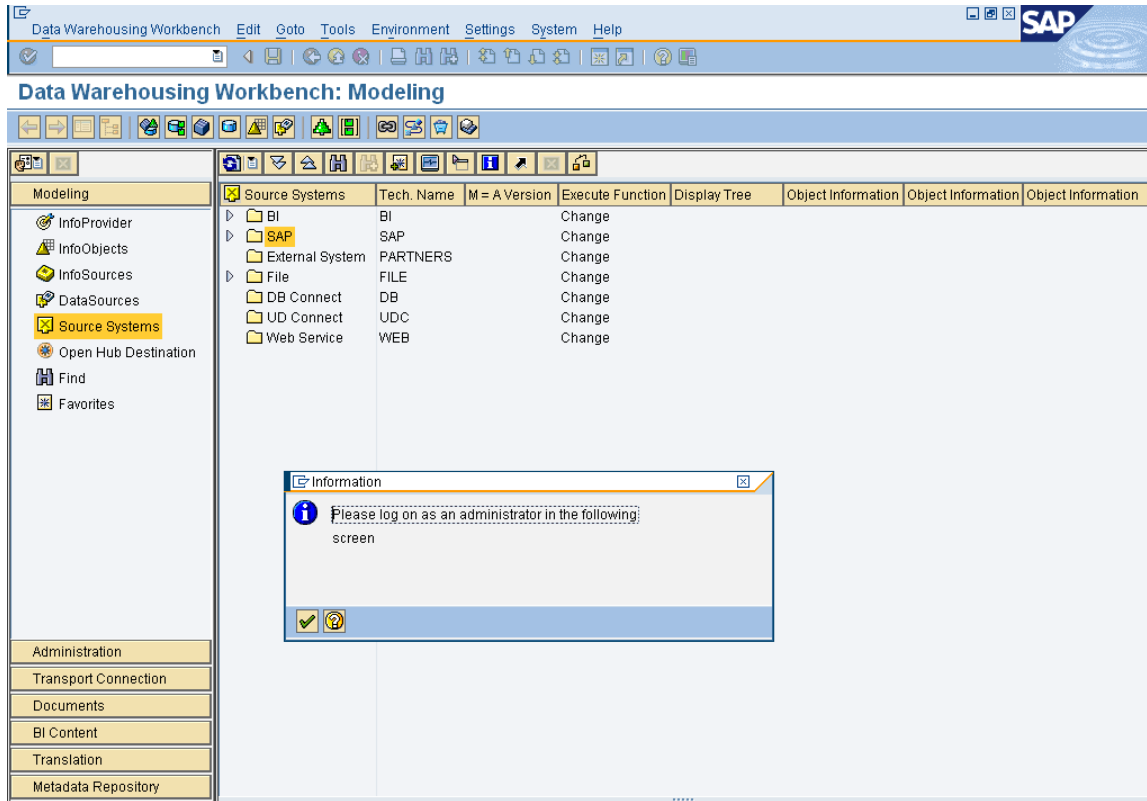
Enter password for ALEREMOTE

Enter password for BW_USER

Press Enter

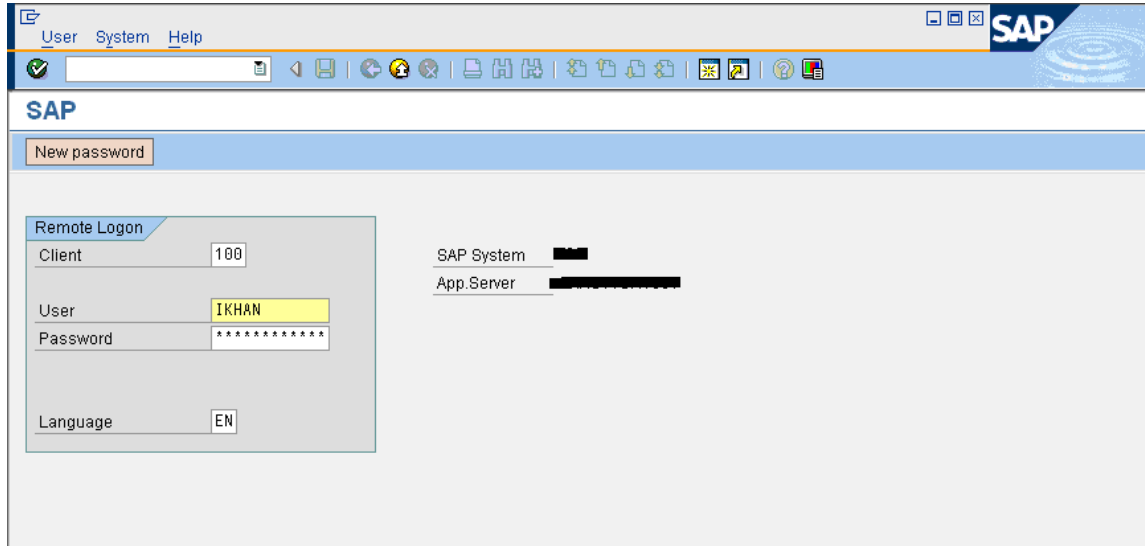
Step 9C

Log as an administrator in the ECC System



Step 9D

Make sure that you log into the correct client

**Step 9E**

The system will ask you to check the RFC connections!

Step 10

This should establish the Source system connection between BI and ECC.

Related Content

I hope you found this insightful. I realize that a lot of people have done this, but this is meant for those resources that are relatively new to SAP Basis and are still learning the ropes.

I have learned a lot from SDN and I thought this would be a nice way of returning the favor.

Imran H. Khan

References

- <https://www.sdn.sap.com/irj/sdn/thread?threadID=123977>
- <https://www.sdn.sap.com/irj/sdn/thread?threadID=258350>
- <https://www.sdn.sap.com/irj/sdn/thread?threadID=317742>

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