APPLIES TO:

Client Copies

SUMMARY

This article explains how to perform the Various Client Copy Methods in the SAP System.

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CREATED ON:

4th February 2012.

CLIENT COPIES

There are Three Types of Client Copies

1. Local Client Copy Method
2. Remote Client Copy Method
3. Export and Import Method

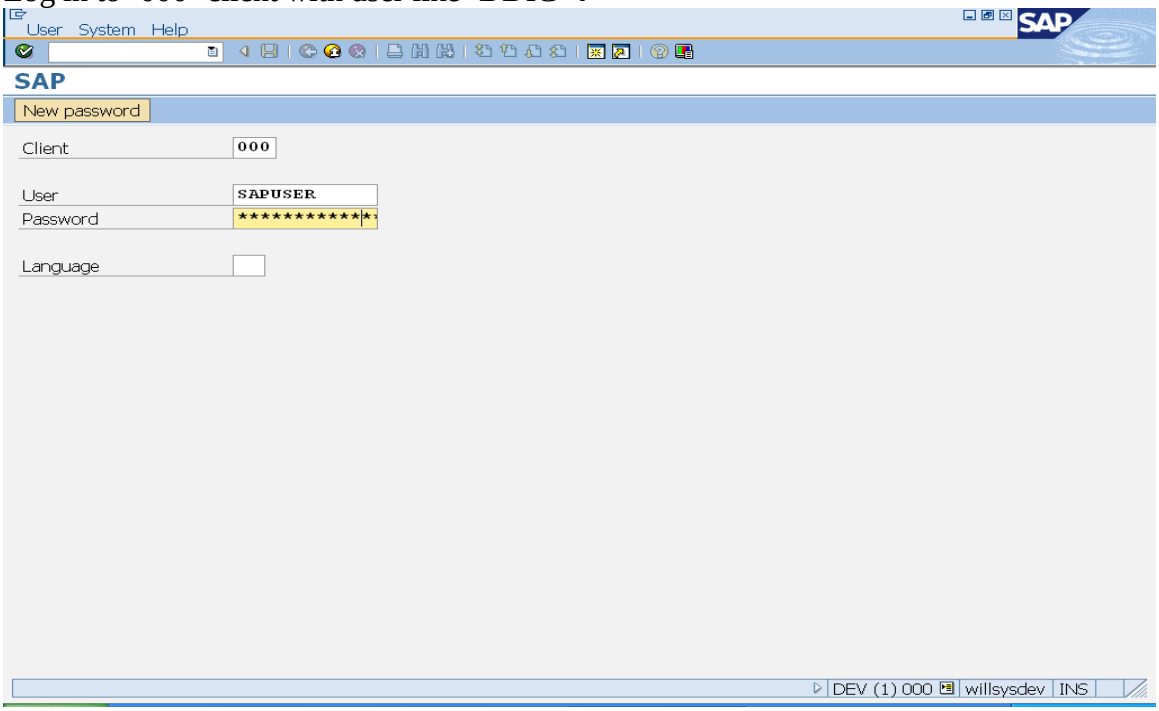
PRE-REQUISITES OF CLIENT COPY:

1. Ensure that we have enough space in database to perform client copy (DB02 /BRTOOLS)
2. The size of the client is determined by using report RSTABLESIZE (or) use RSSPACECHECK which is used to determine the size of the tables in the client (SA38)
3. Ensure that you have at least two background work process in the system(SM50, SM66, DPMON, SAPMMC)
4. Perform client copy from the target client only.
5. Choose the profile to determine what data to copy during client copy(by default we choose SAP_CUST)
6. Establish RFC connection with necessary authorizations during a remote client copy
7. Ensure that you have enough space in /usr/sap/trans directory during client export/import
8. Perform a test client copy always in the background mode (so that it will check the resources that are required for client copy)
9. Schedule client copy always in the background mode (so that it will run when the screen is closed)
10. Client copy logs are available in transaction code “SCC3” and monitor the progress using SM37, SM50, SM66
11. While performing remote client copy and client export and import ensure that the system has same version and release

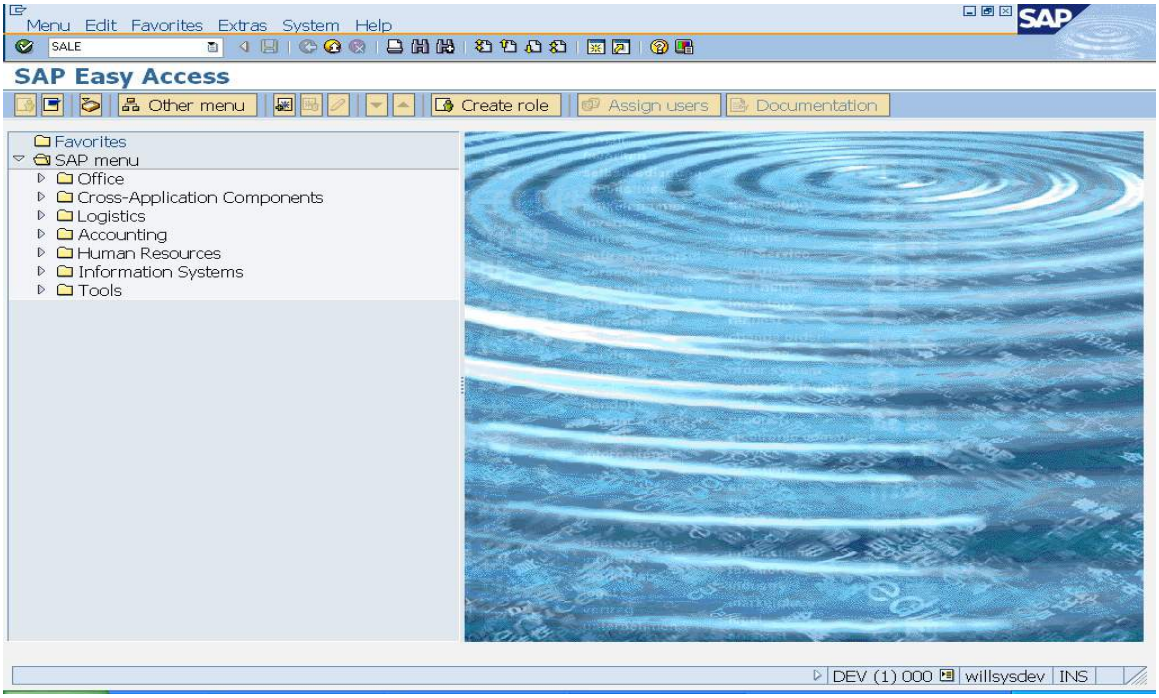
Note:-client copies always overwrites the existing data

LOCAL CLIENT COPY (SCCL)

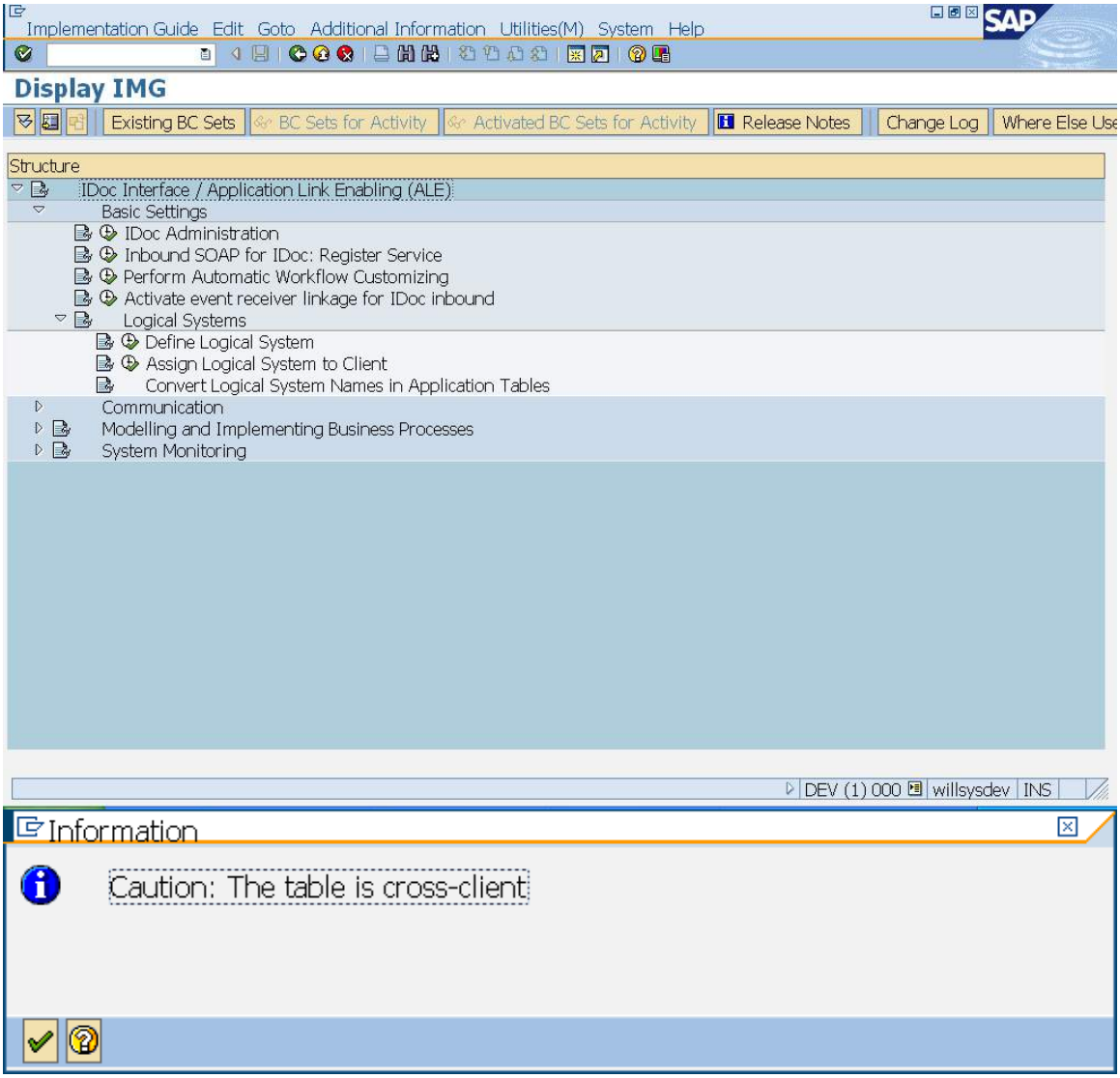
Log in to '000' client with user like 'DDIC'→



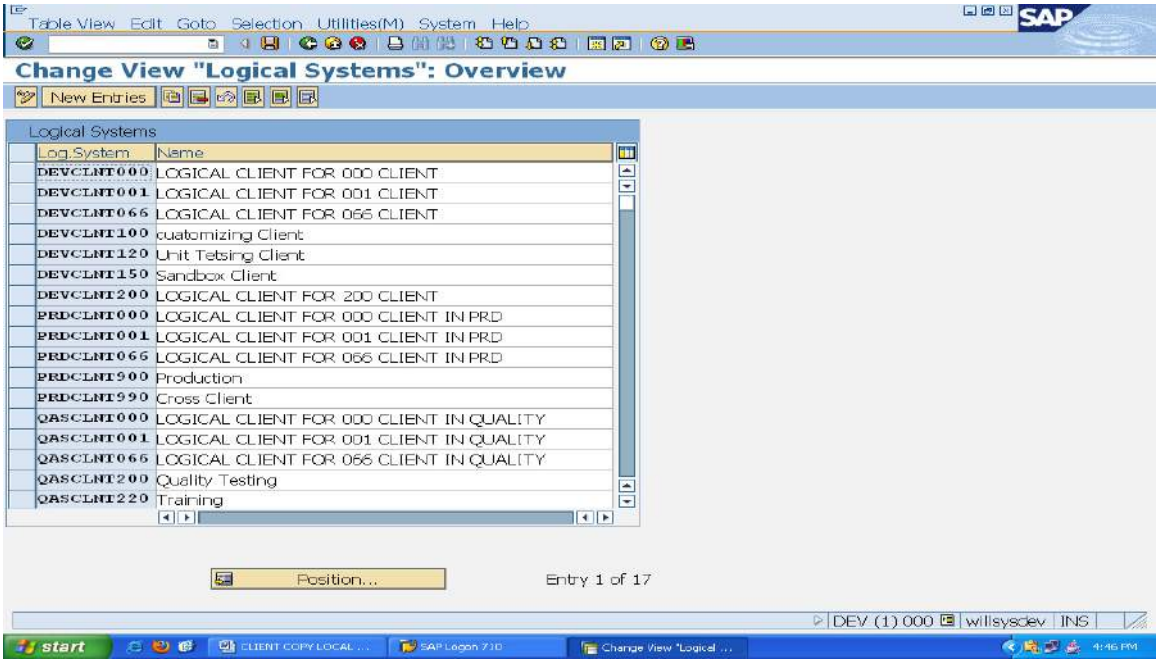
Execute Transaction Code "SALE"→



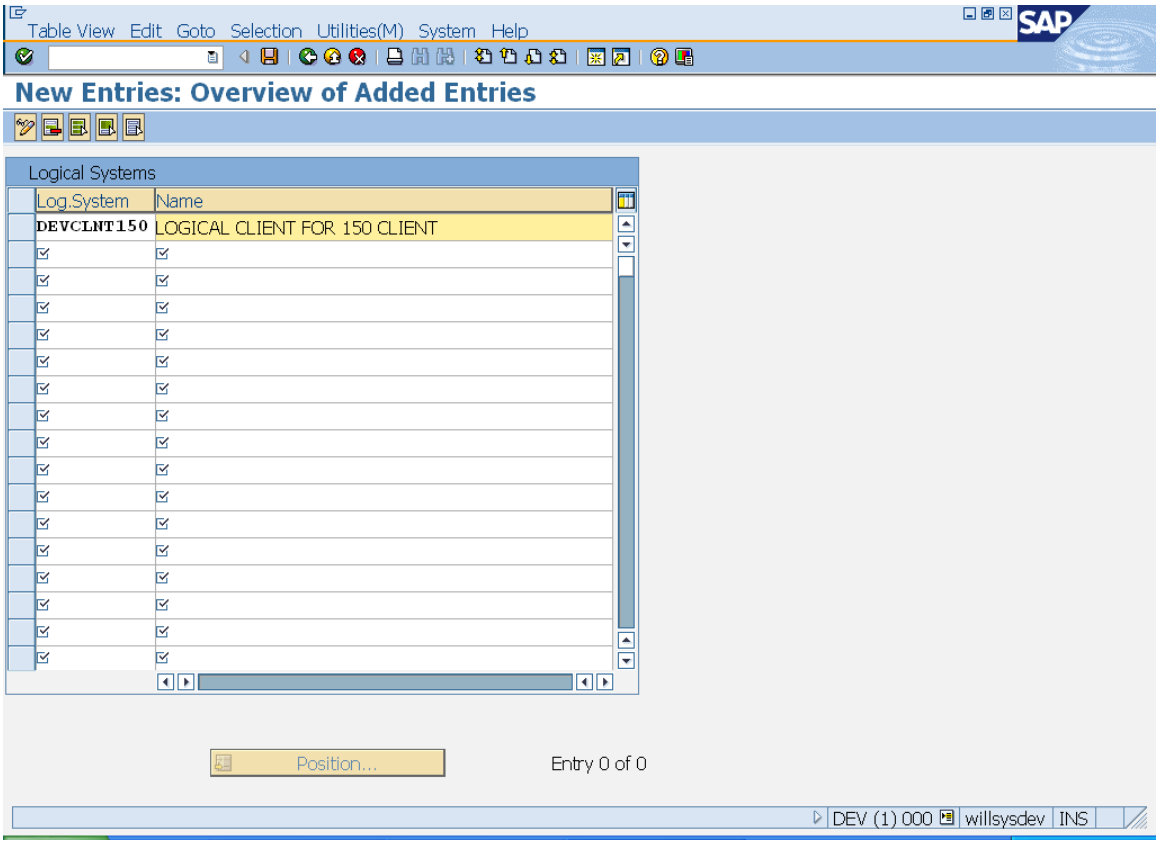
Navigate to Basic Settings→Logical Systems→Define Logical System→


Implementation Guide Edit Goto Additional Information Utilities(M) System Help
Display IMG
Existing BC Sets
BC Sets for Activity
Activated BC Sets for Activity
Release Notes
Change Log
Where Else Use
Structure
IDoc Interface / Application Link Enabling (ALE)
Basic Settings
IDoc Administration
Inbound SOAP for IDoc: Register Service
Perform Automatic Workflow Customizing
Activate event receiver linkage for IDoc inbound
Logical Systems
Define Logical System
Assign Logical System to Client
Convert Logical System Names in Application Tables
Communication
Modelling and Implementing Business Processes
System Monitoring
DEV (1) 000
willsysdev
INS
Information
Caution: The table is cross-client

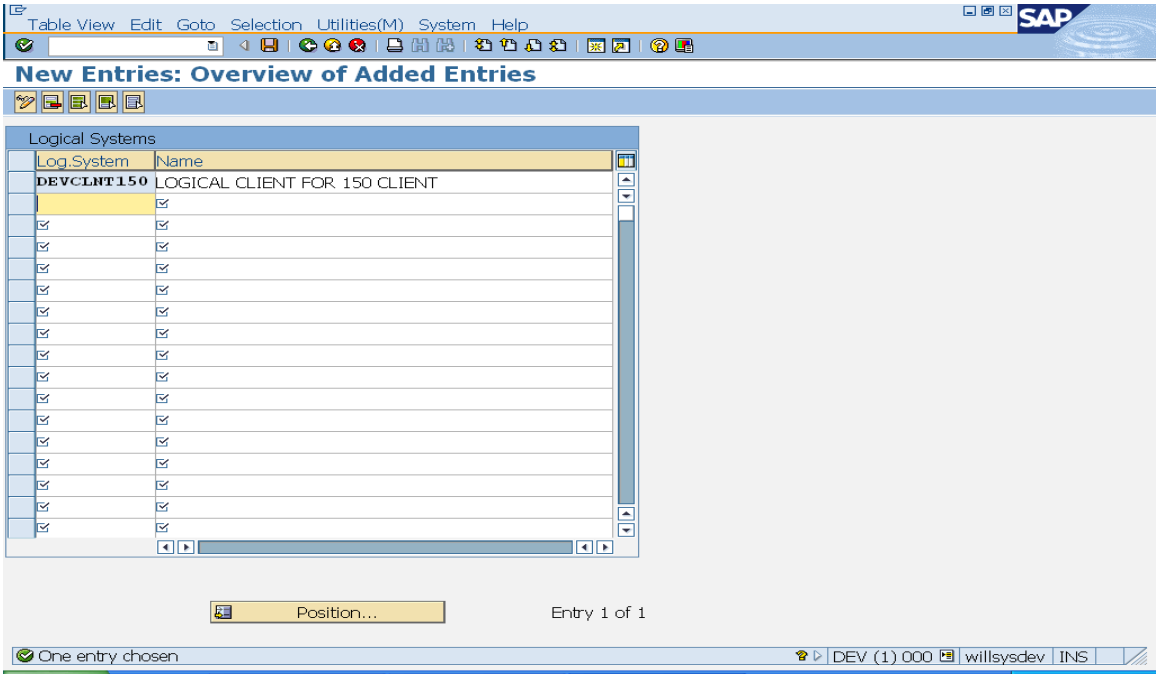
Click on "ok"→



Click on "New Entries"→

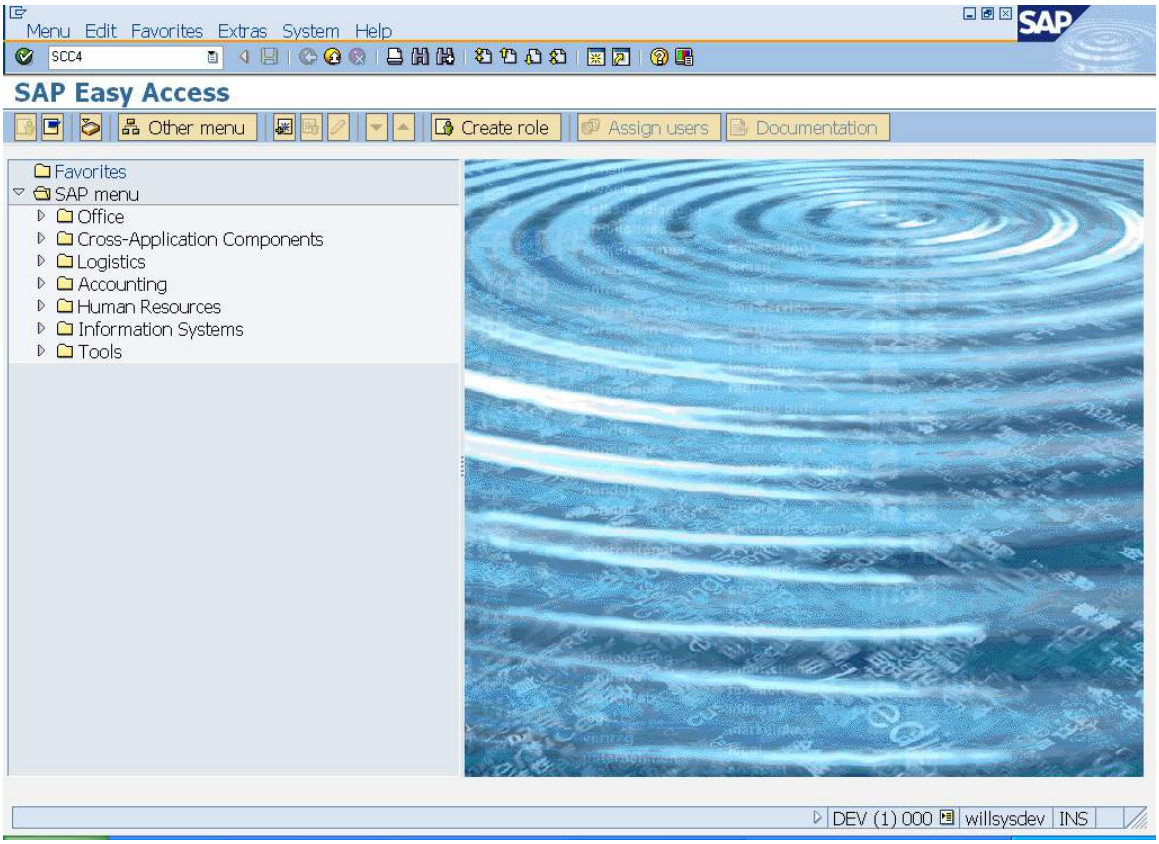


Define the Logical System and Description→

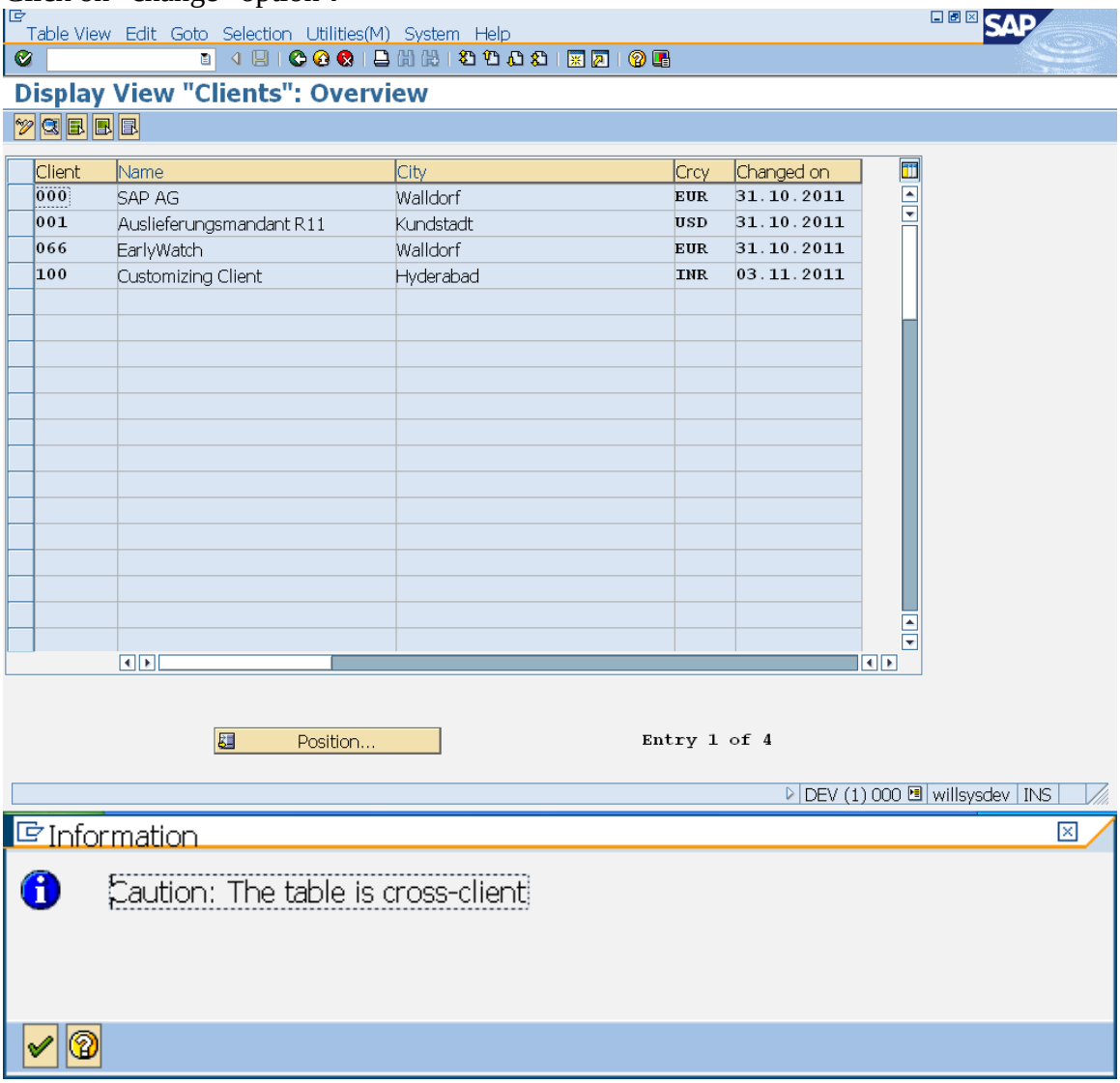


Click on “save” Button→

Execute Transaction Code “SCC4”→

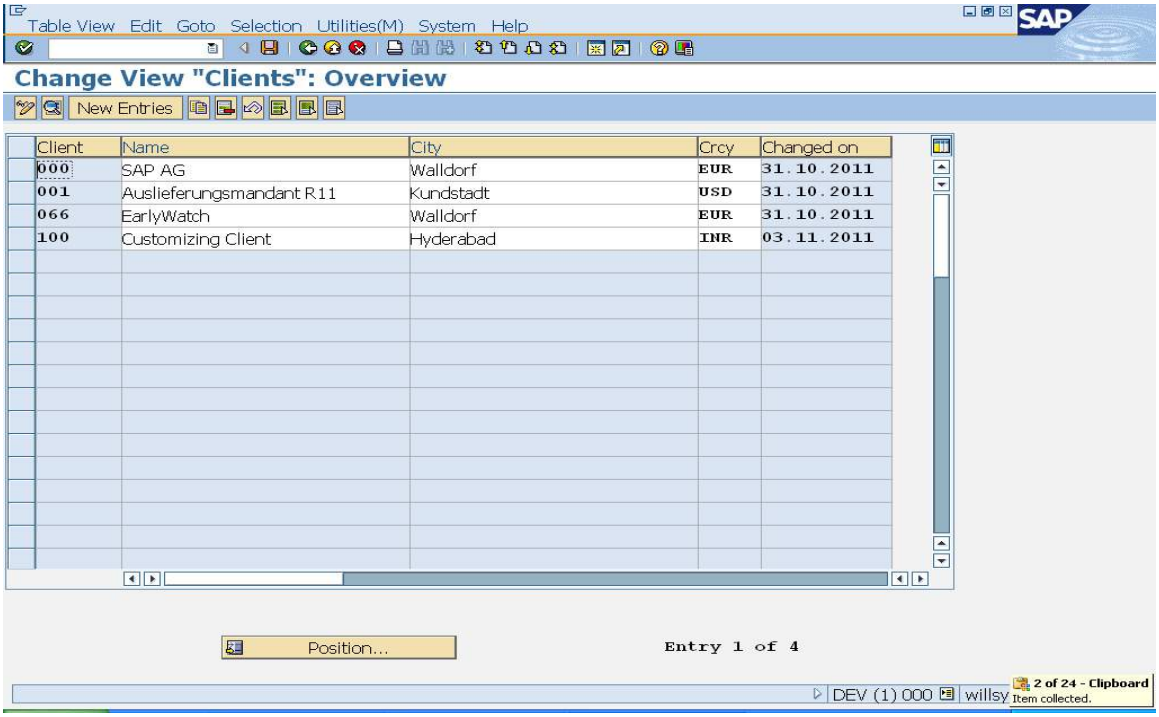


Click on “change” option→

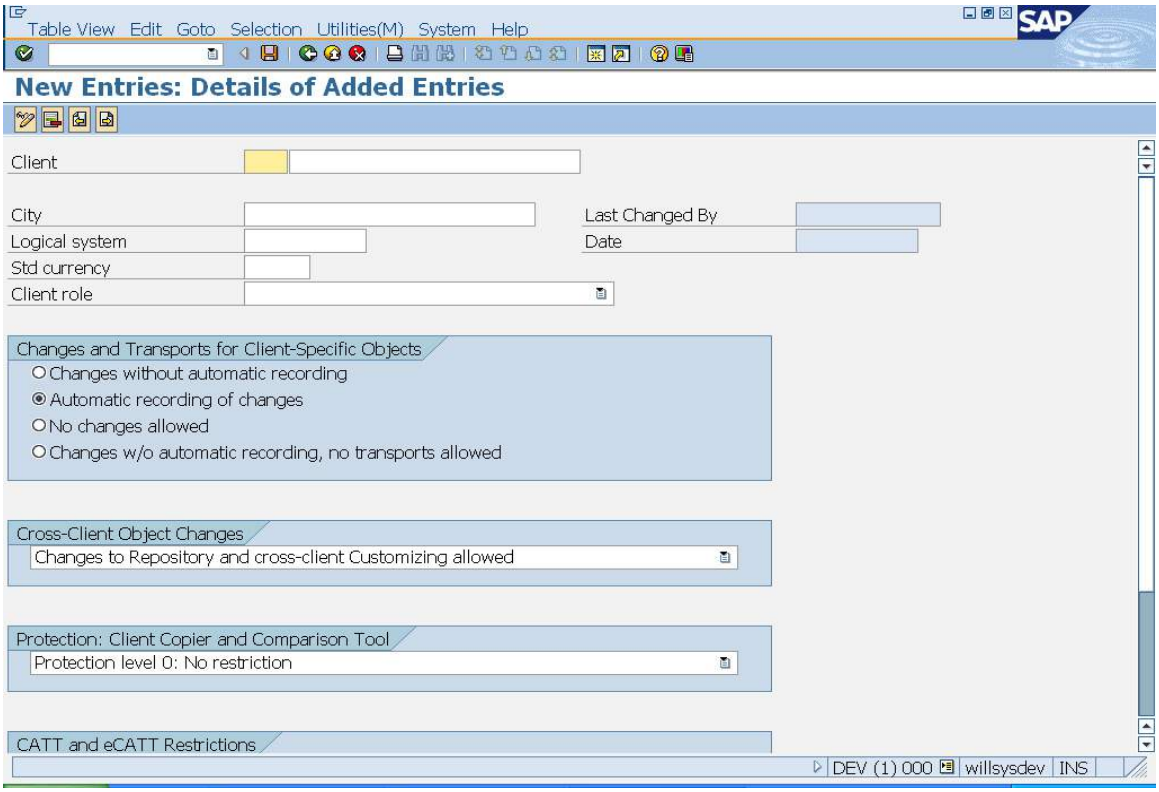


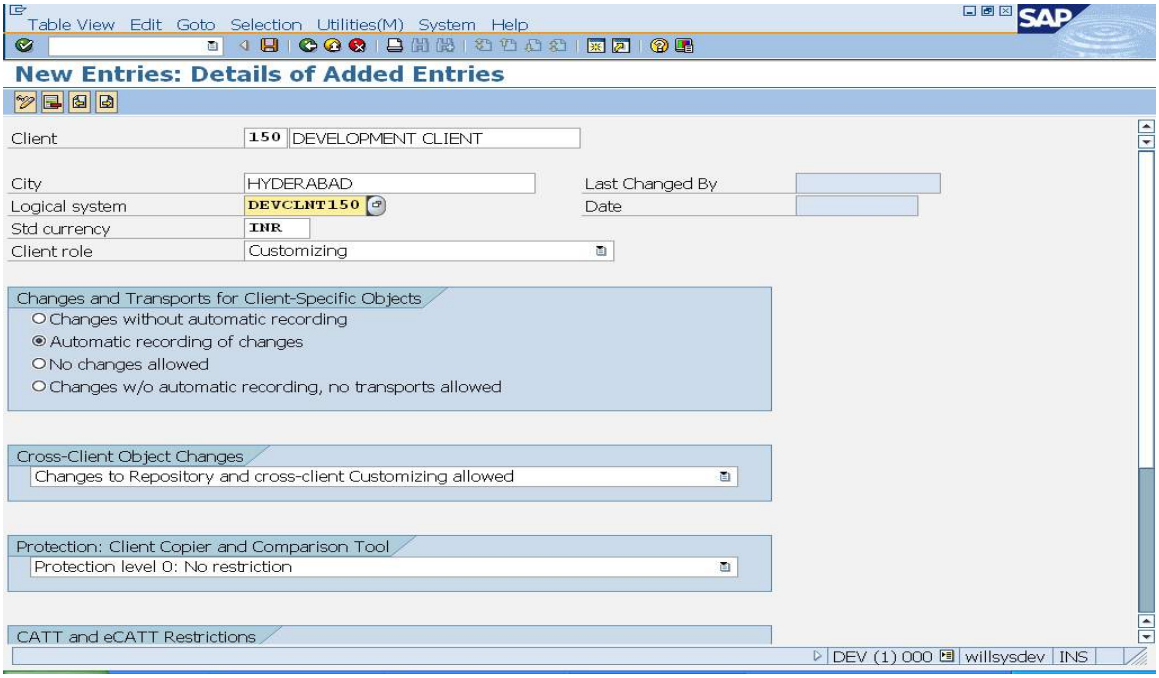
Click on “ok”→

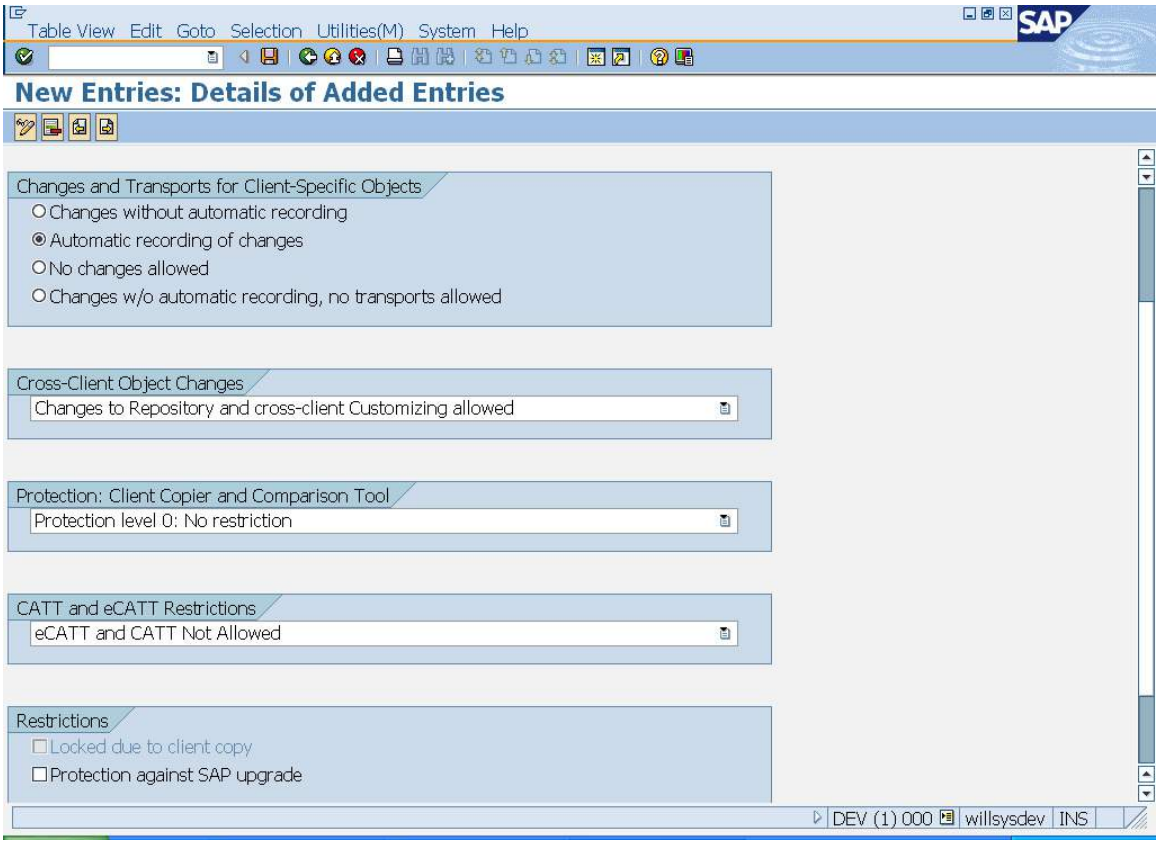
Click on “New Entries”→



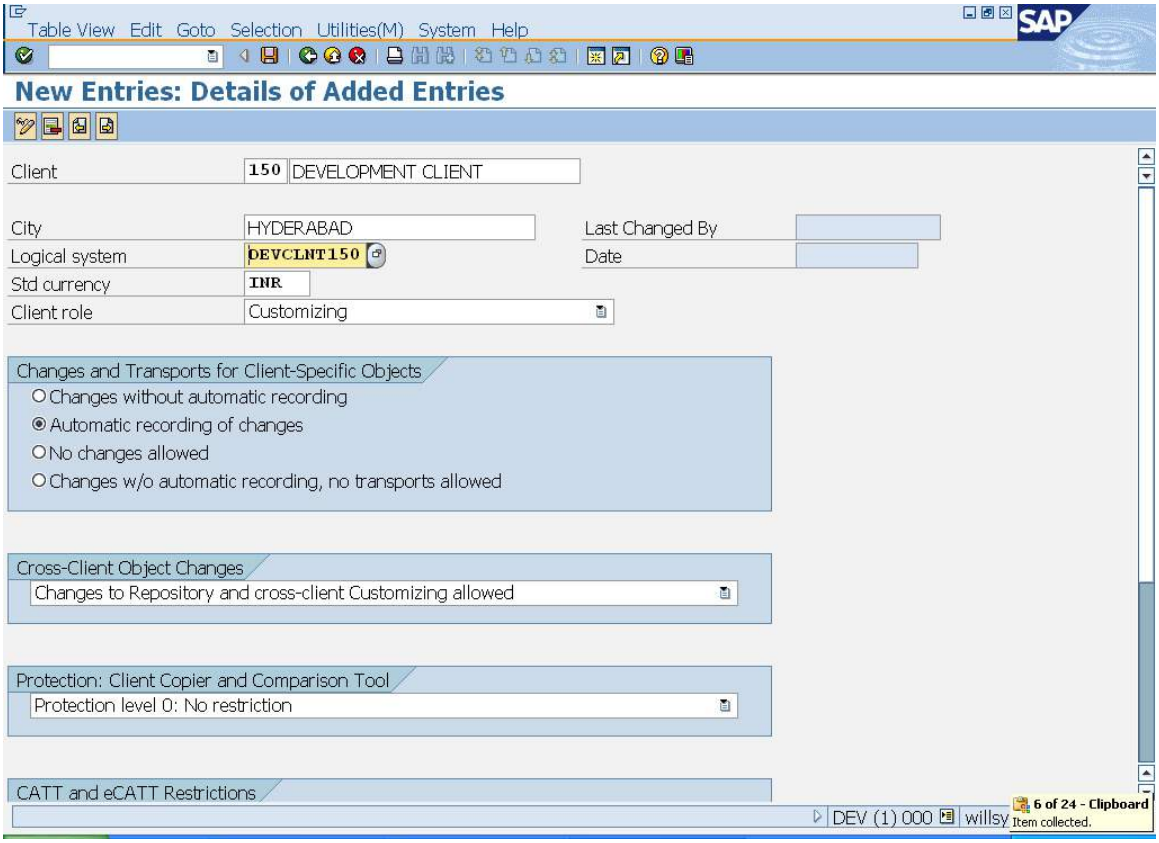
Specify the client Number, Description, City, Logical System, Standard Currency and client Role→

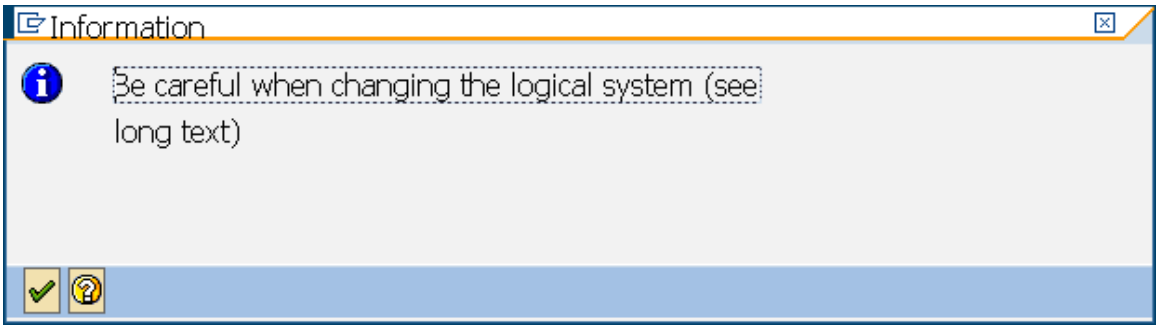






Click on “save”→

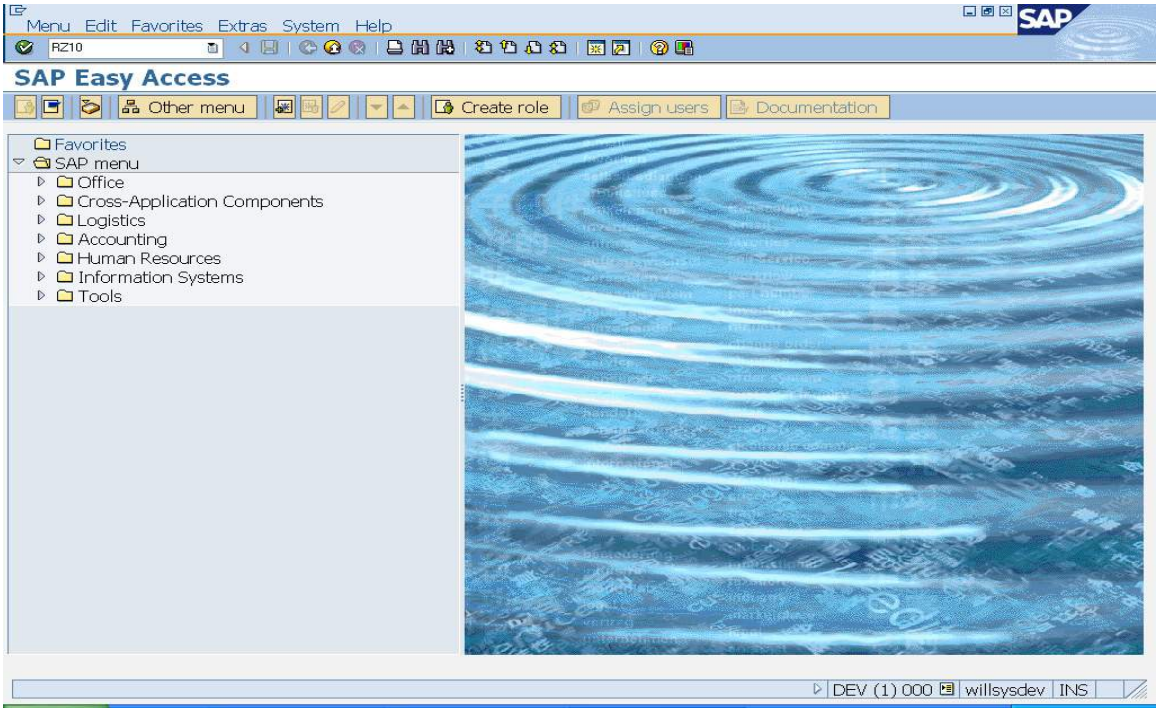




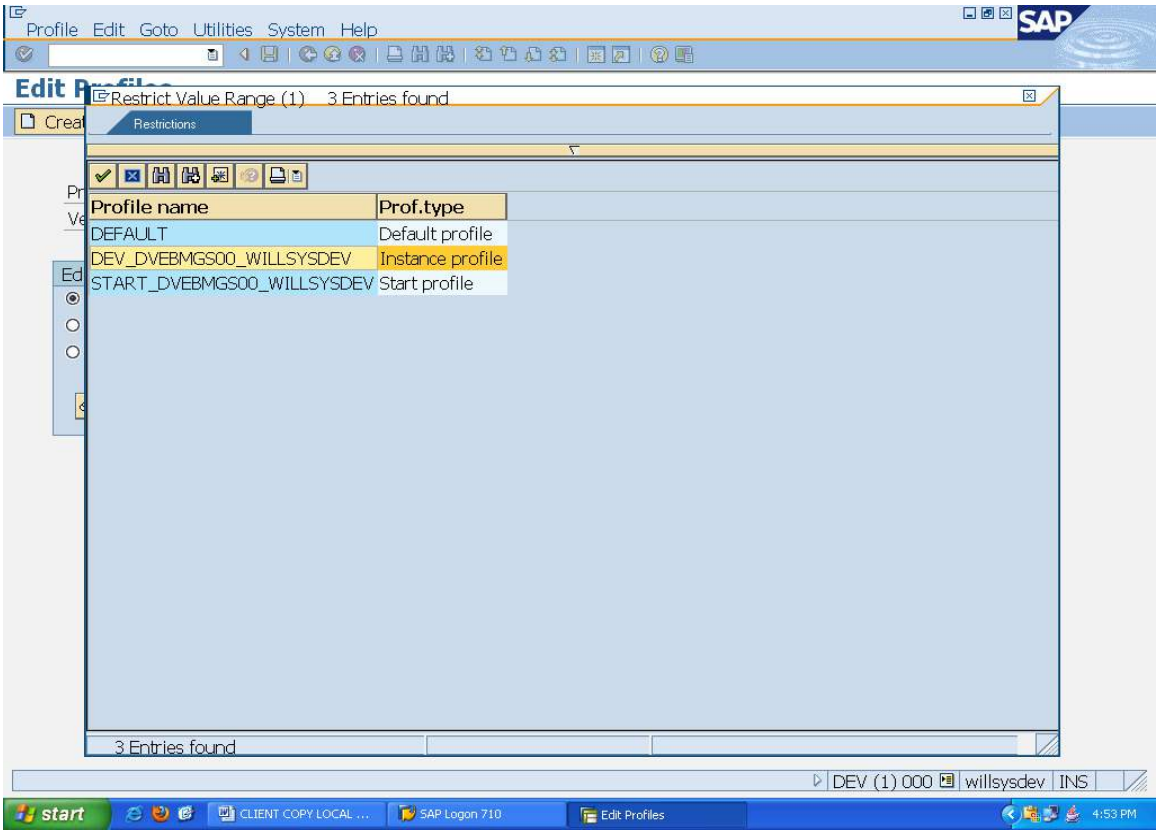
Click on “ok”→

Now we have created a new client (150) but if you want to login to the New Client with Userid: ‘SAP*’ and password: ‘pass’ we need to configure a parameter in “RZ10” Instance Profile

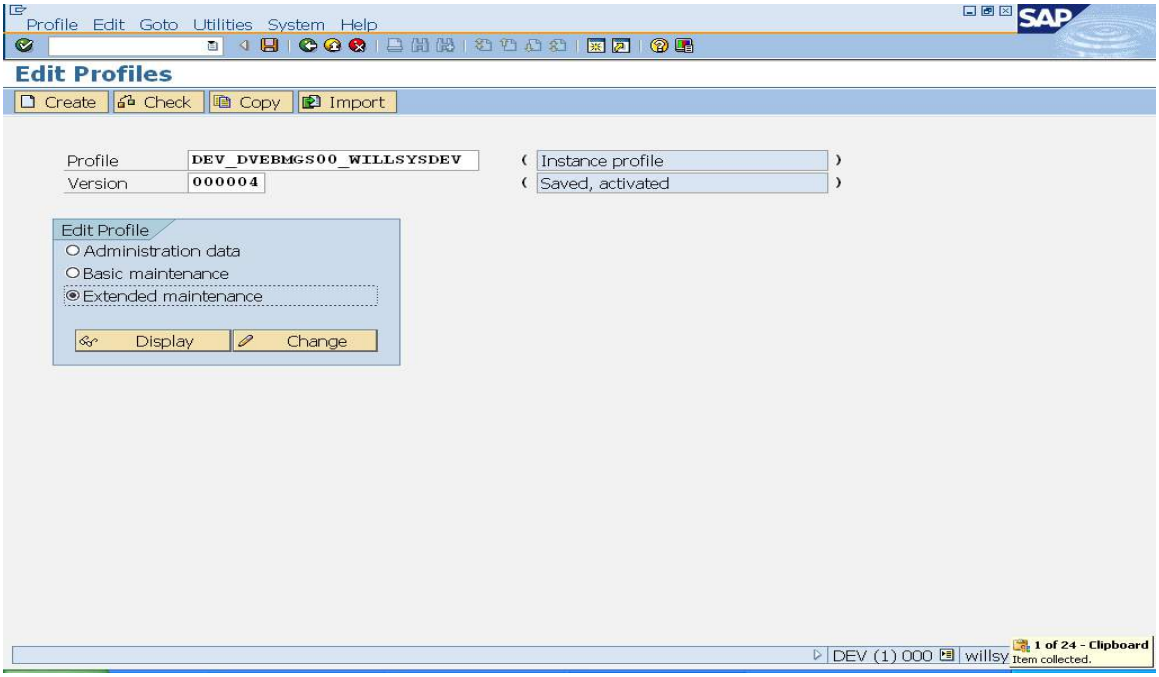
Execute Transaction Code “RZ10”→



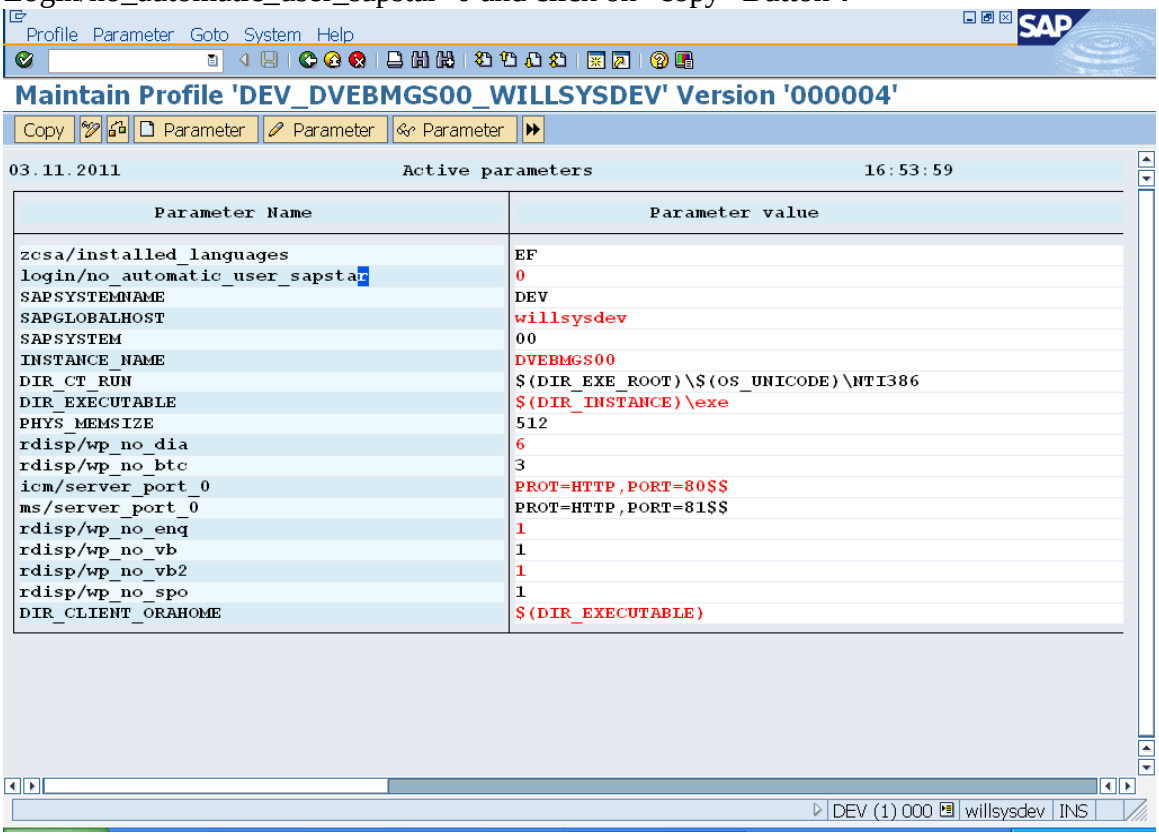
Select the Instance Profile→



Select the "Extended Maintenance" and Click on "change" Button→

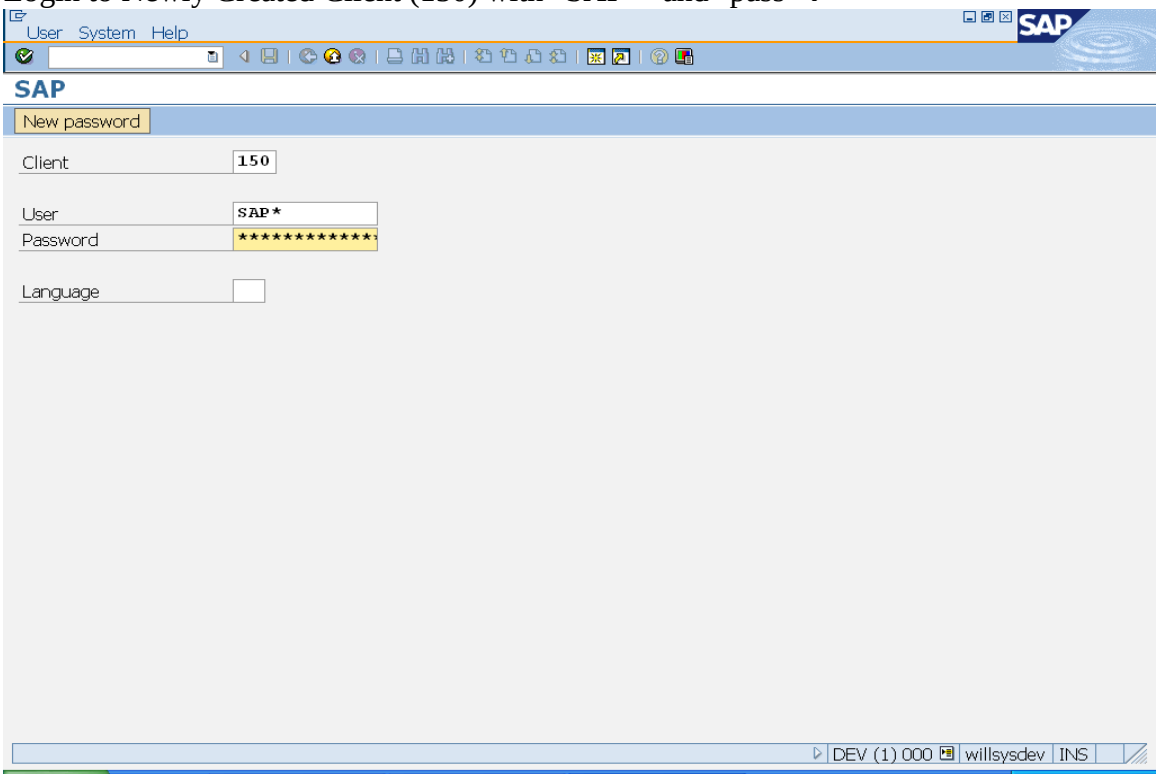


Click on Create Parameter and specify the parameter as Login/no_automatic_user_sapstar=0 and click on “copy” Button→

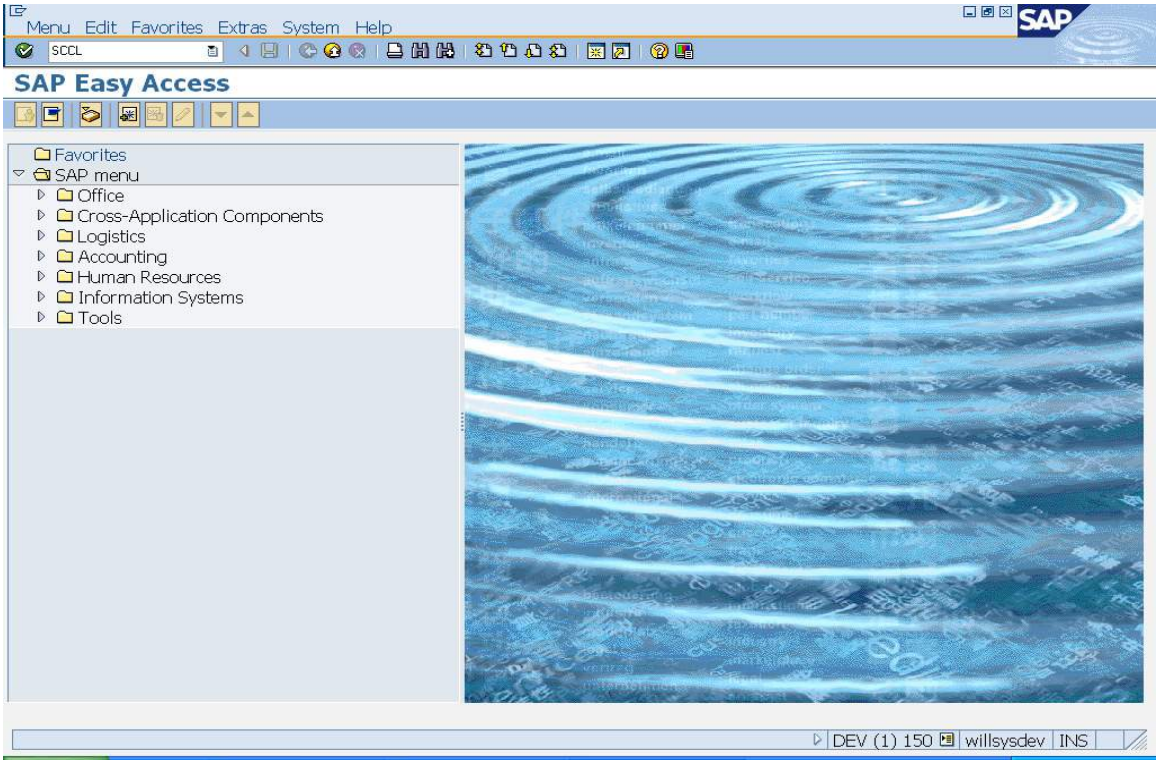


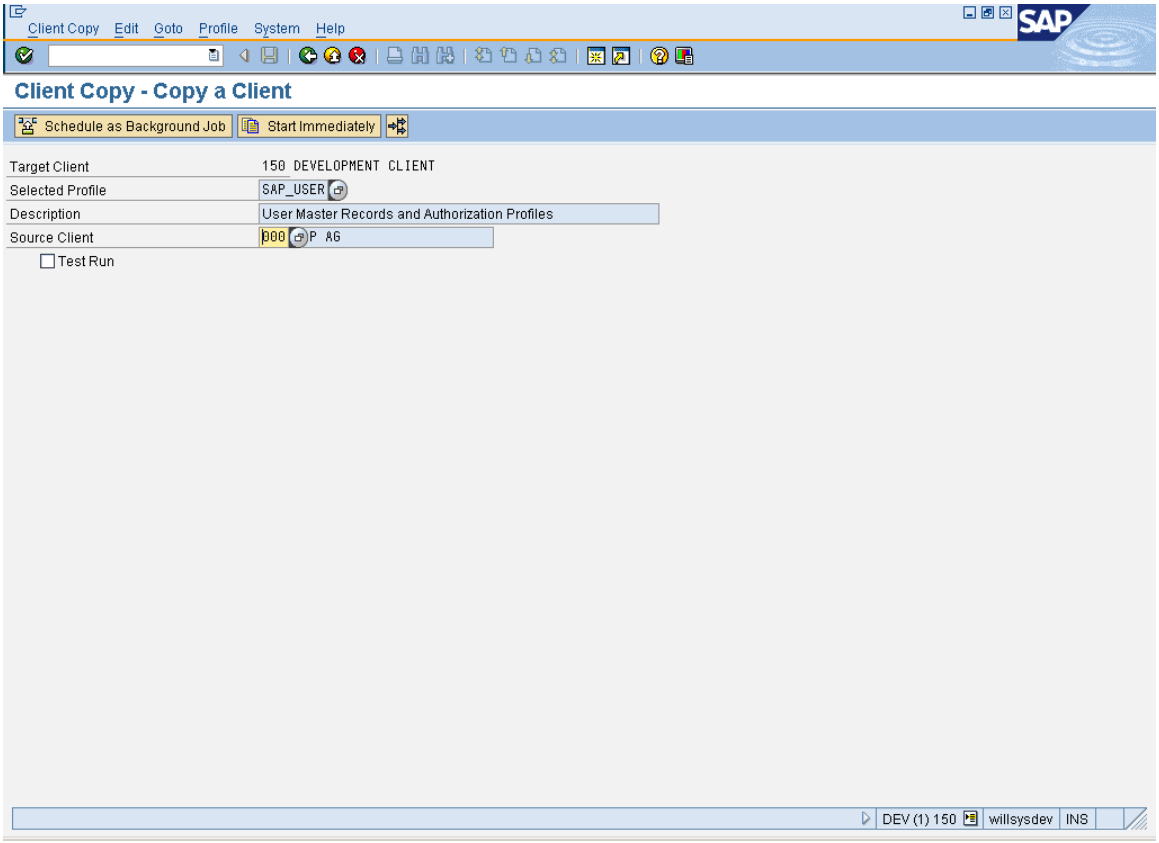
After this restart the SAP System

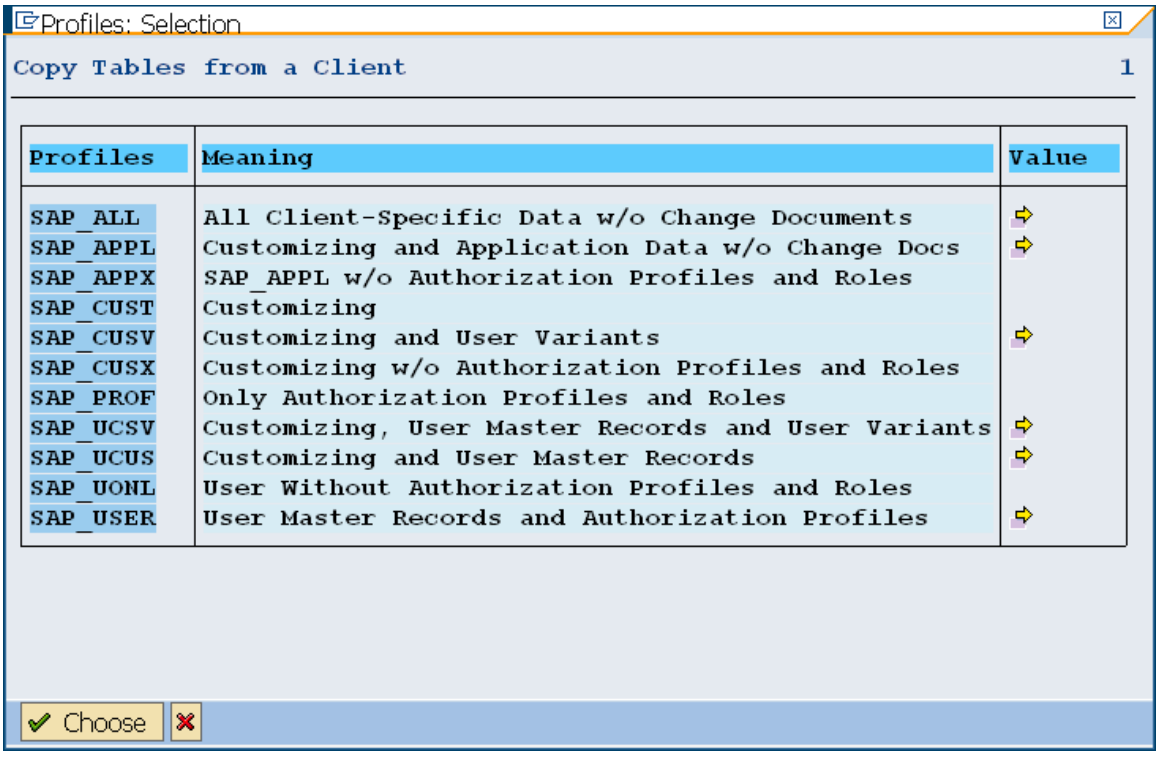
Login to Newly Created Client (150) with “SAP*” and “pass”→



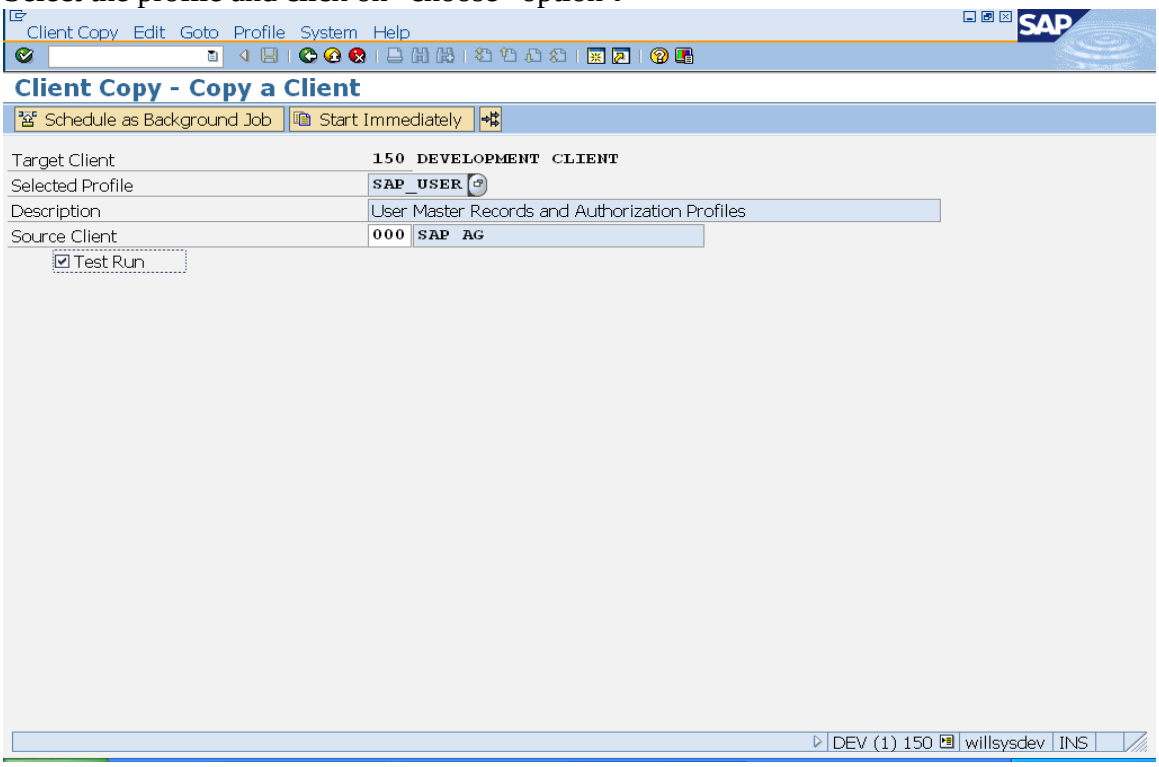
Execute Transaction Code “SCCL”→

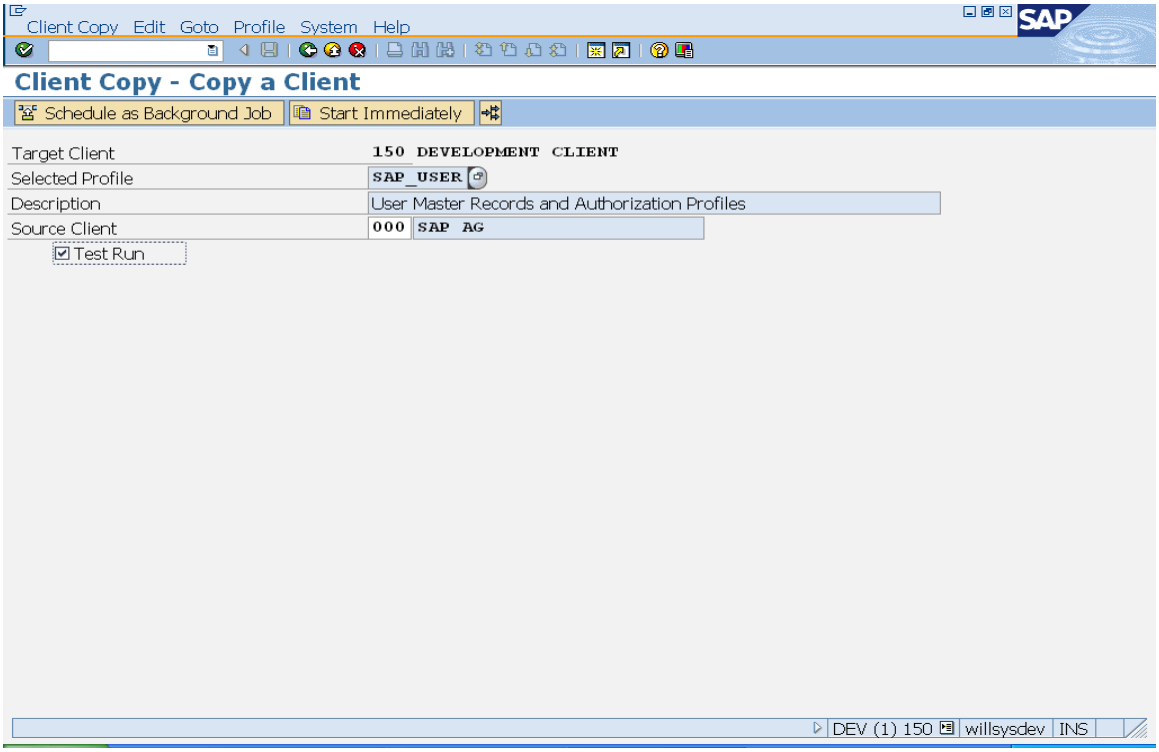



Client Copy Edit Goto Profile System Help
Client Copy - Copy a Client
Schedule as Background Job
Start Immediately
Target Client
150 DEVELOPMENT CLIENT
Selected Profile
SAP_USER
Description
User Master Records and Authorization Profiles
Source Client
000 P AG
Test Run
DEV (1) 150
willsysdev
INS

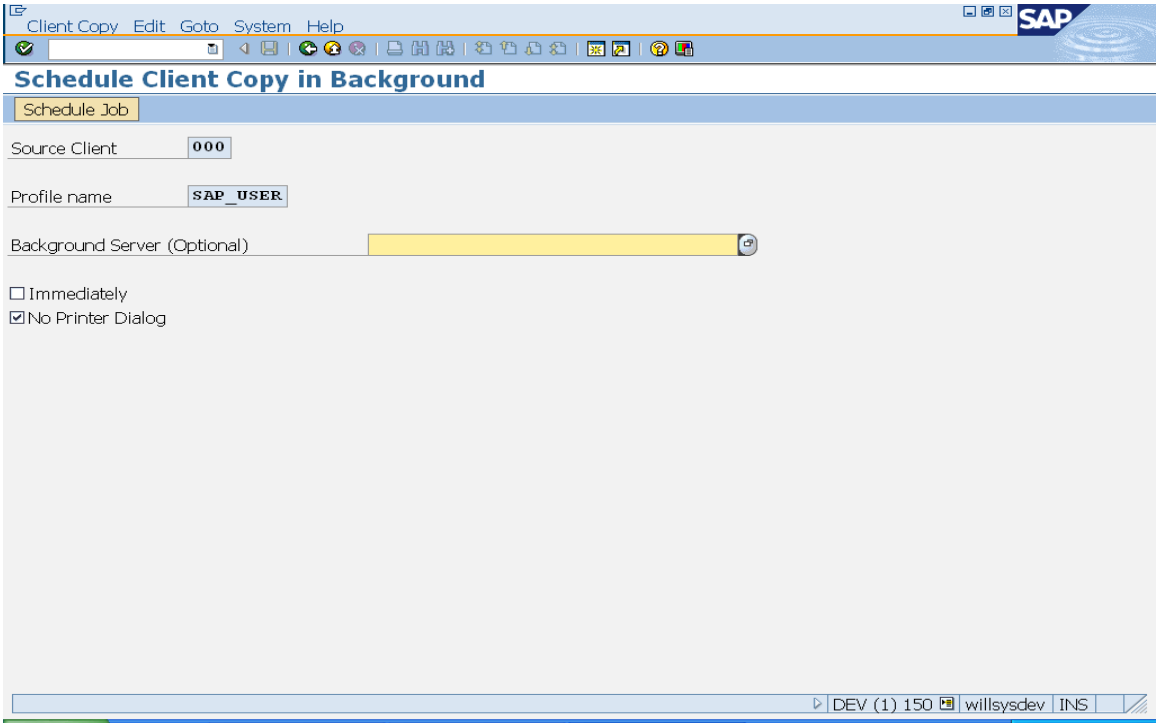

Profiles: Selection
Copy Tables from a Client
1
Profiles
Meaning
Value
SAP_ALL
All Client-Specific Data w/o Change Documents
SAP_APPL
Customizing and Application Data w/o Change Docs
SAP_APPX
SAP_APPL w/o Authorization Profiles and Roles
SAP_CUST
Customizing
SAP_CUSV
Customizing and User Variants
SAP_CUSX
Customizing w/o Authorization Profiles and Roles
SAP_PROF
Only Authorization Profiles and Roles
SAP_UCSV
Customizing, User Master Records and User Variants
SAP_UCUS
Customizing and User Master Records
SAP_UONL
User Without Authorization Profiles and Roles
SAP_USER
User Master Records and Authorization Profiles
Choose

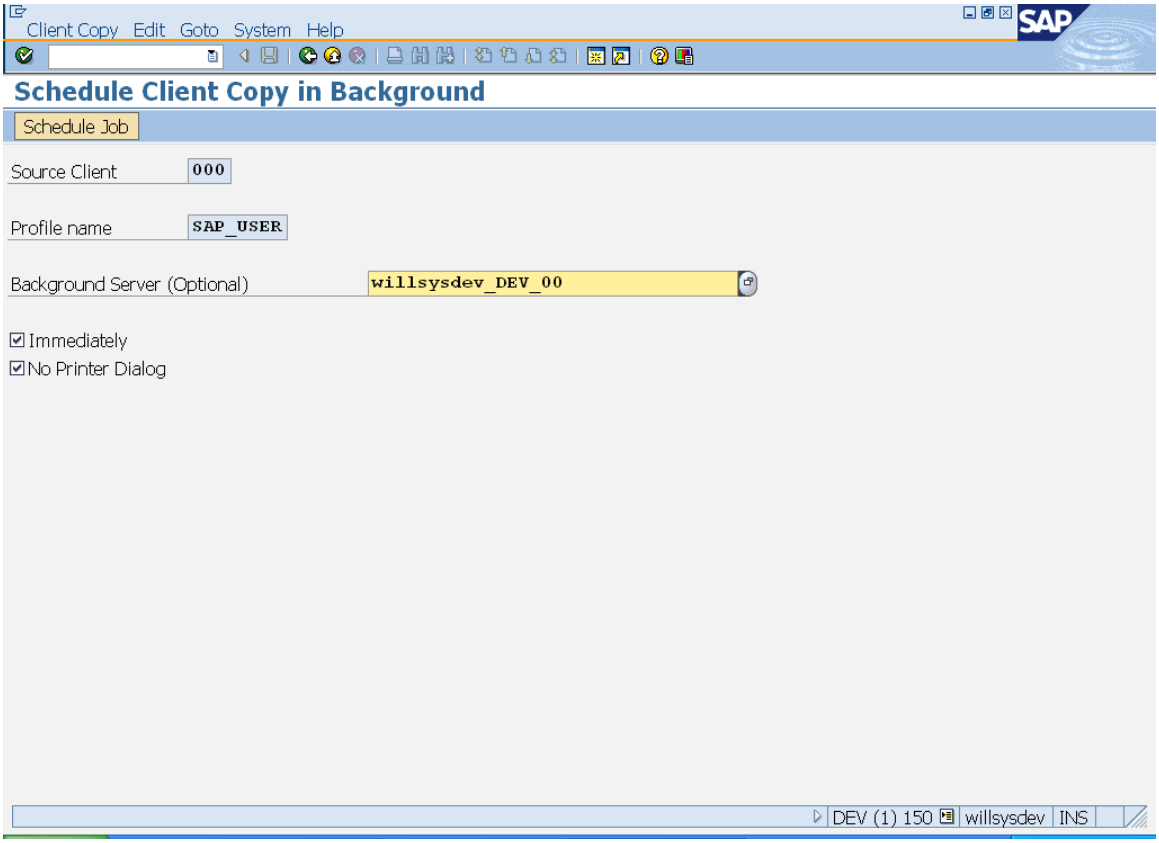
Select the profile and click on “choose” option→



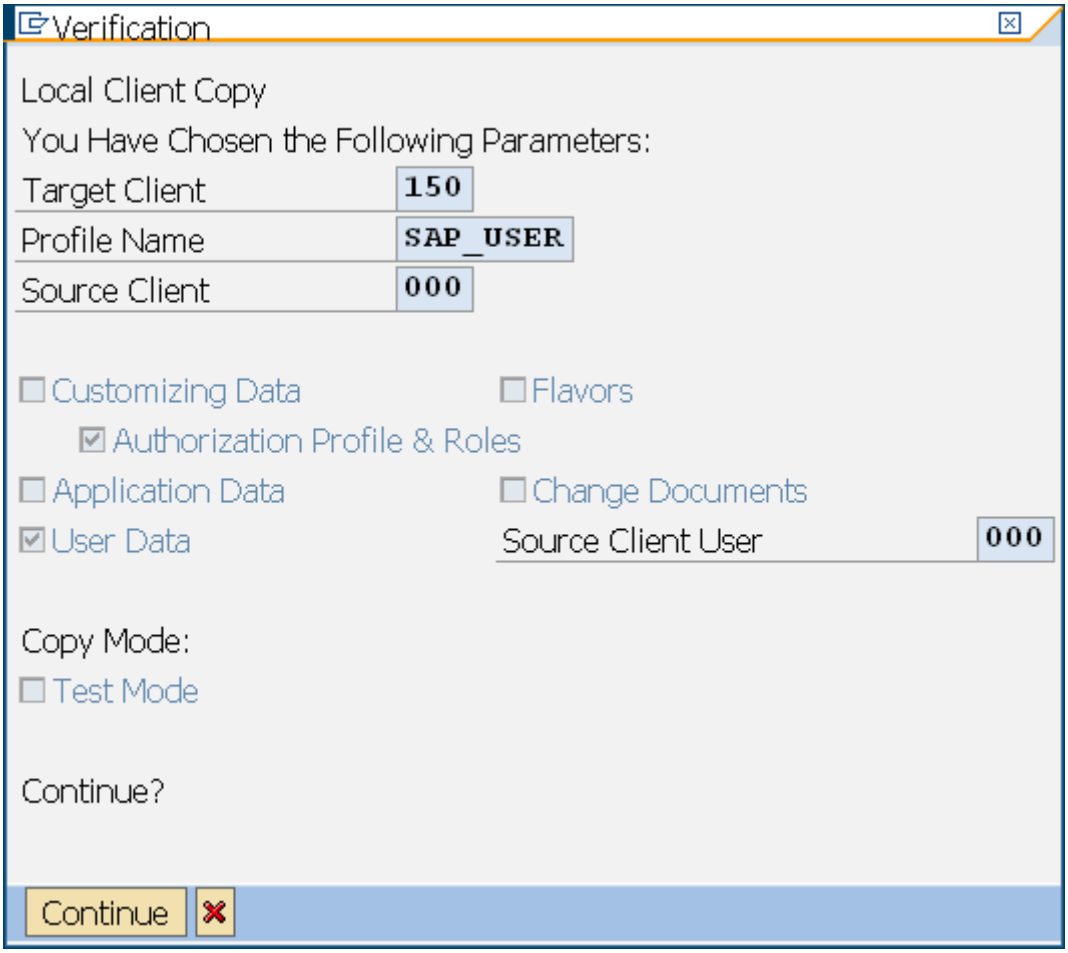


We need to select the “Test Run” so that it will check all the tables and Resources→

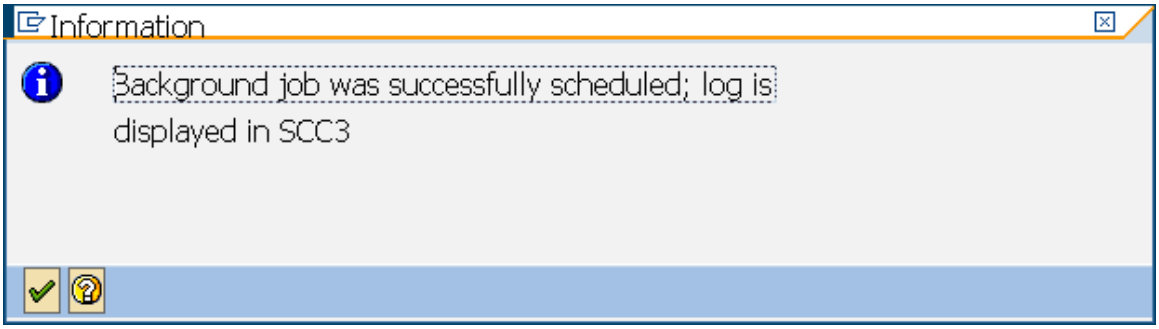




Specify the “Background Server” and Click on “Schedule Job”→



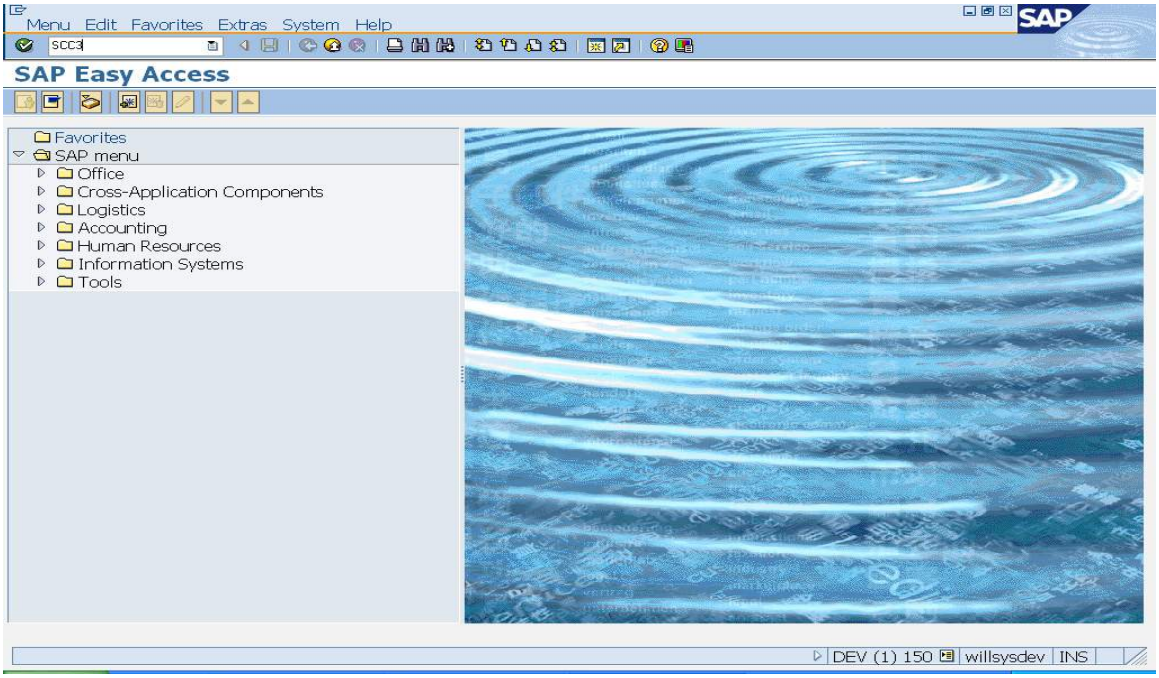
Click on “continue”→

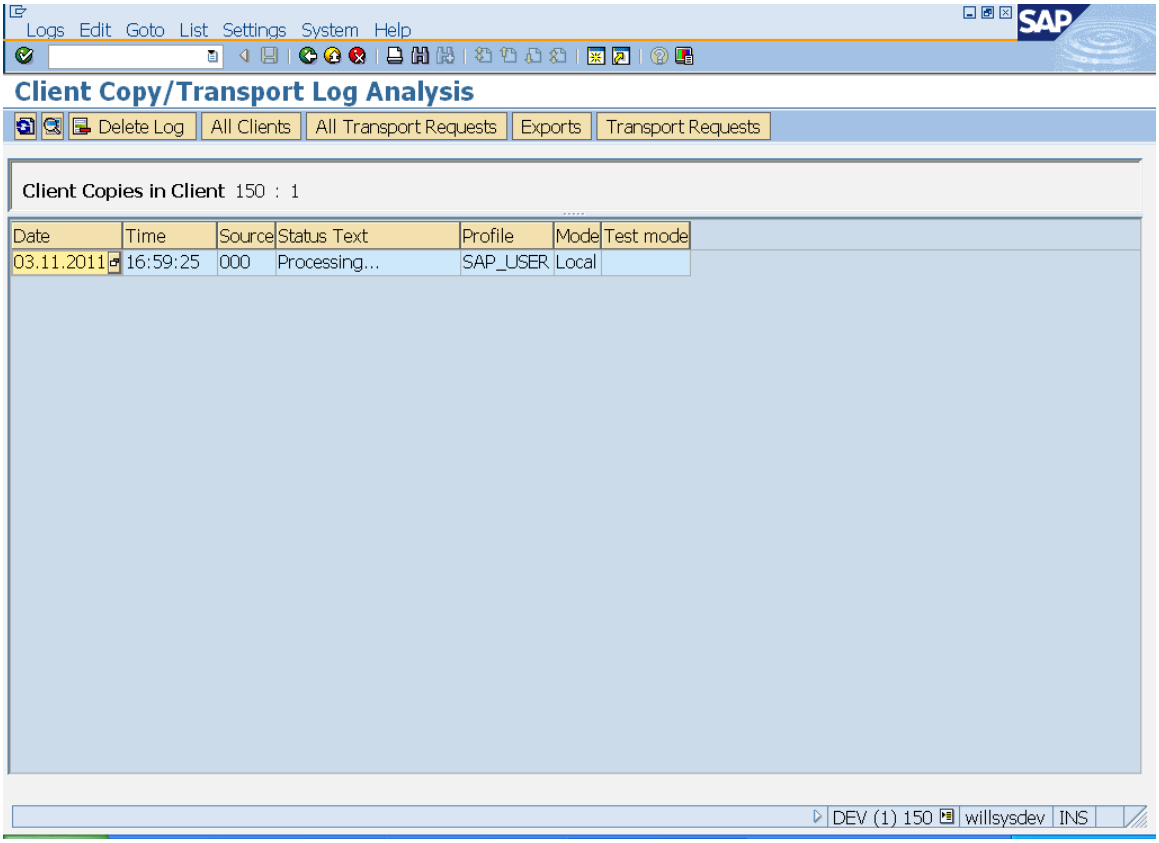


Click on “ok” the scheduling of Local client copy is done

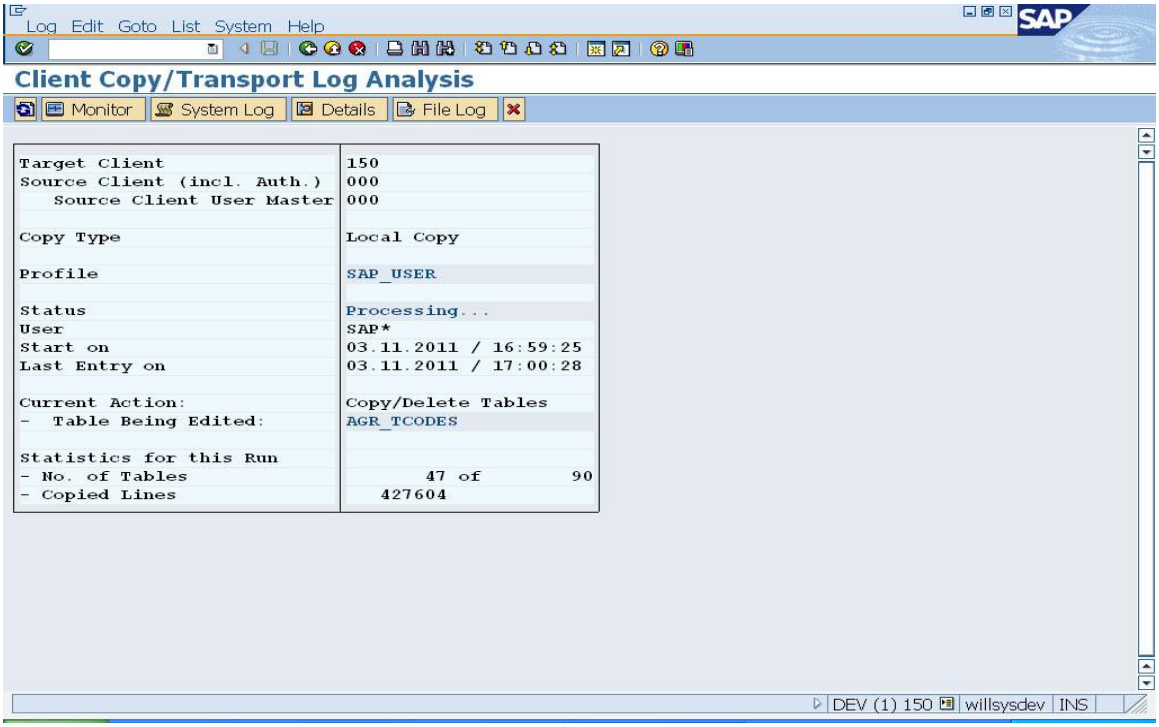
MONITORING: SCC3

Execute Transaction Code “SCC3”→

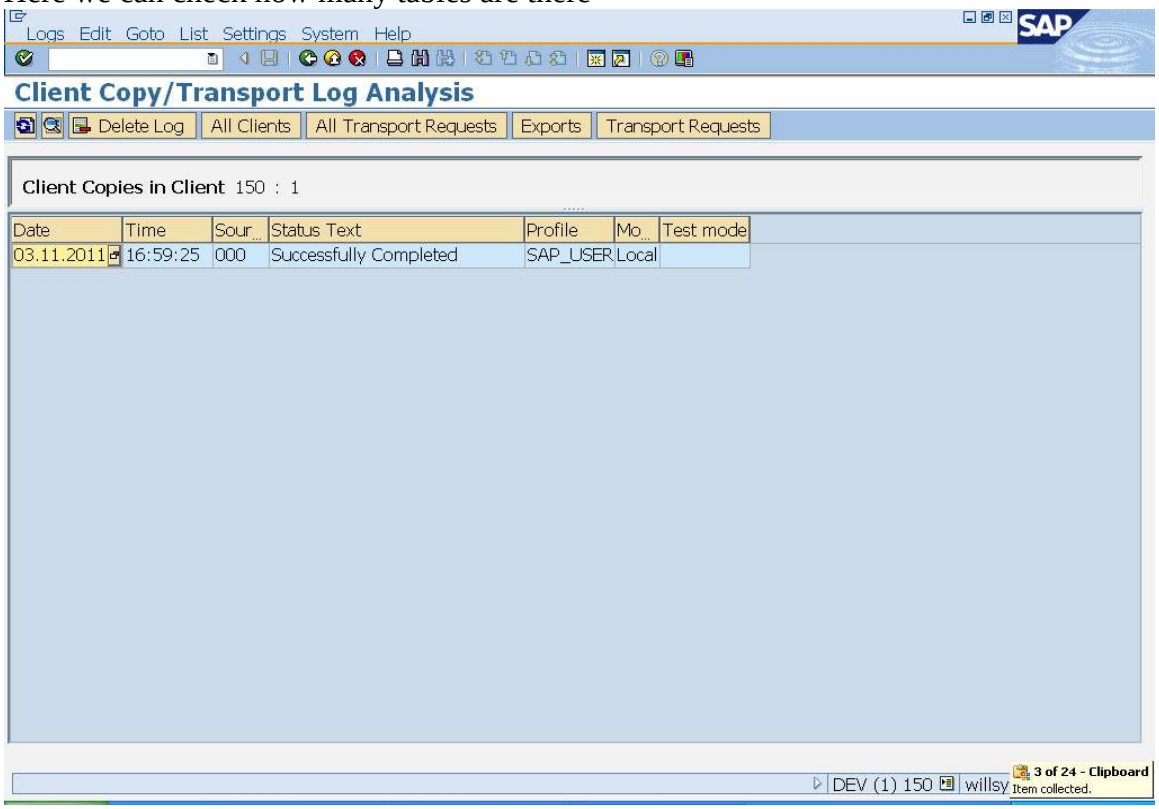




Double Click on the task→



Here we can check how many tables are there

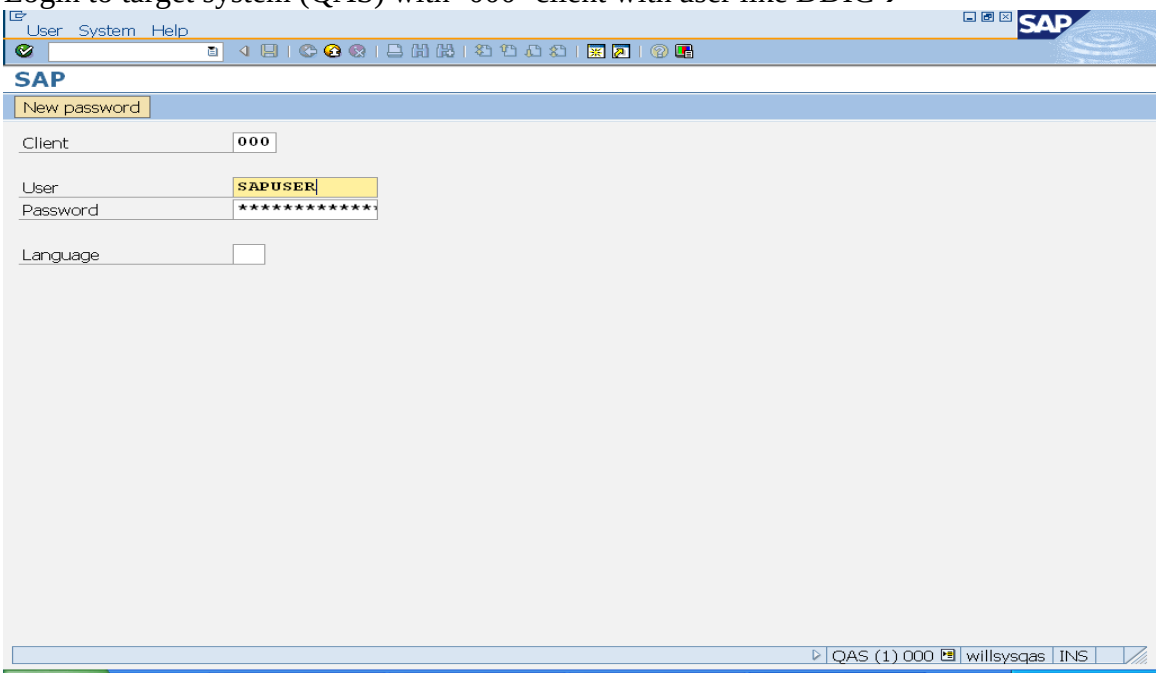


We need to check the status text with successfully completed.

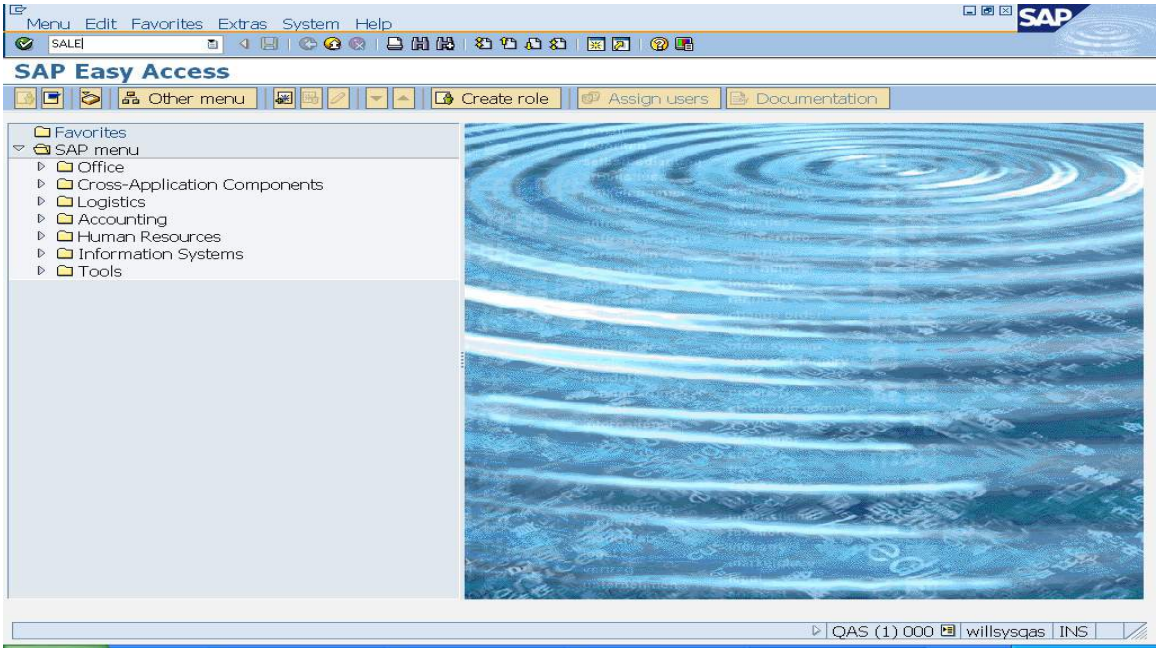
Local Client Copy is done successfully.

REMOTE CLIENT COPY (SCC9)

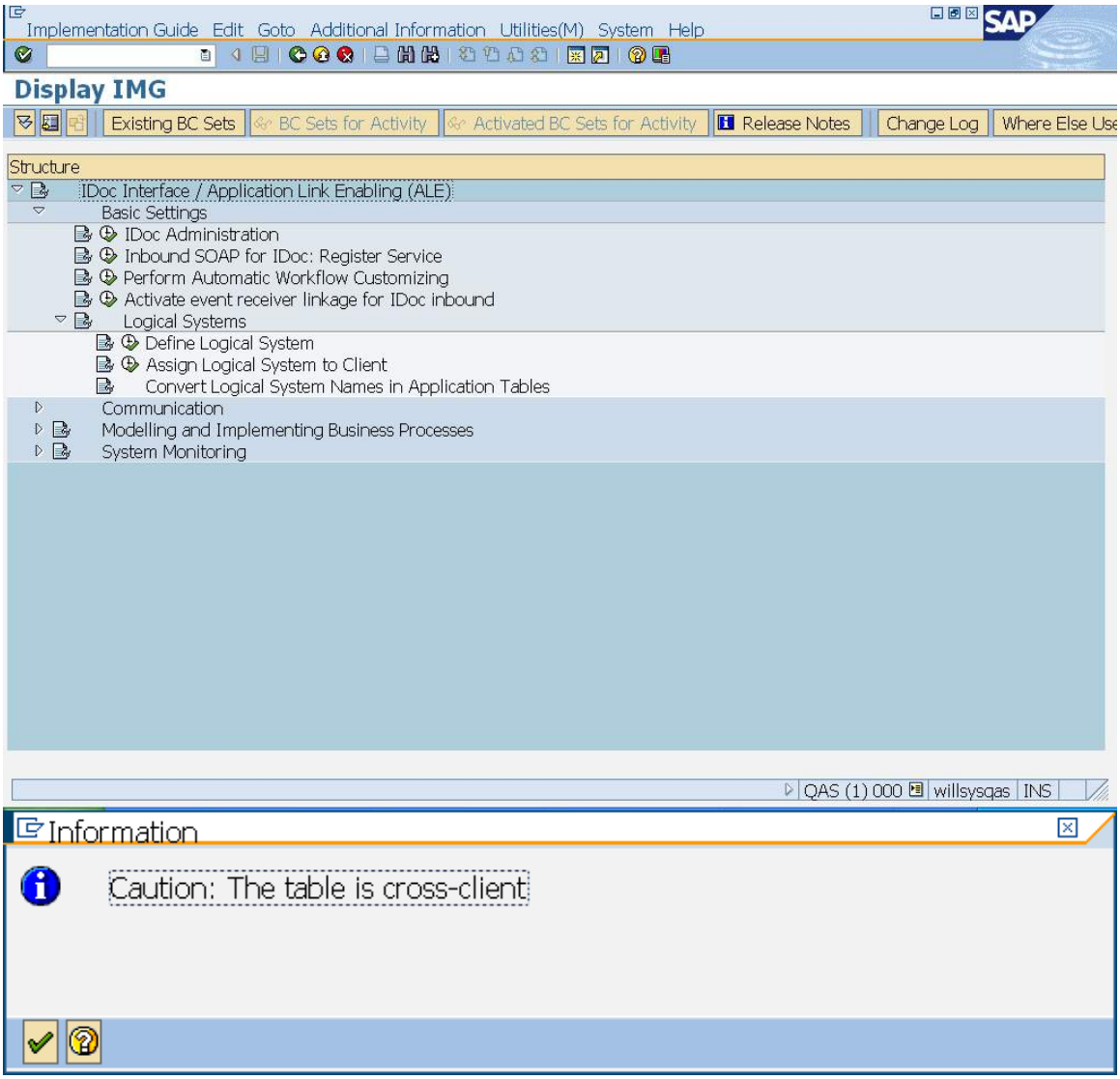
DEV→SOURCE (000)
QAS→TARGET (200)
Login to target system (QAS) with '000' client with user like DDIC→



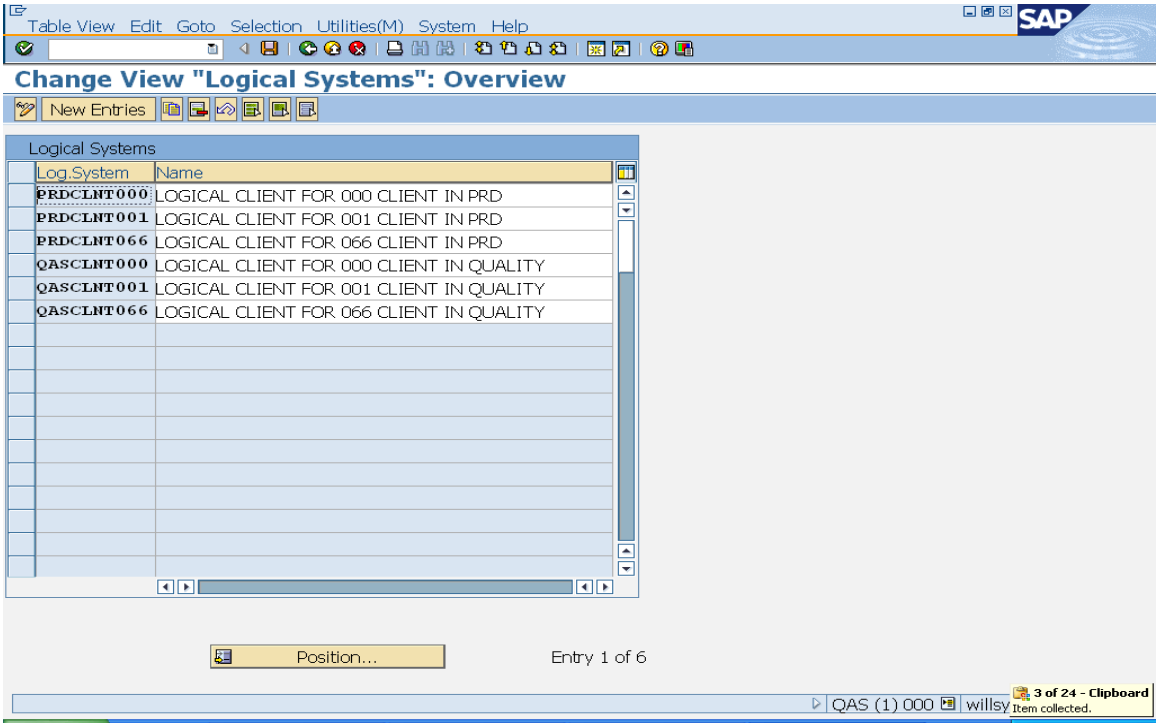
Execute Transaction Code "SALE"→



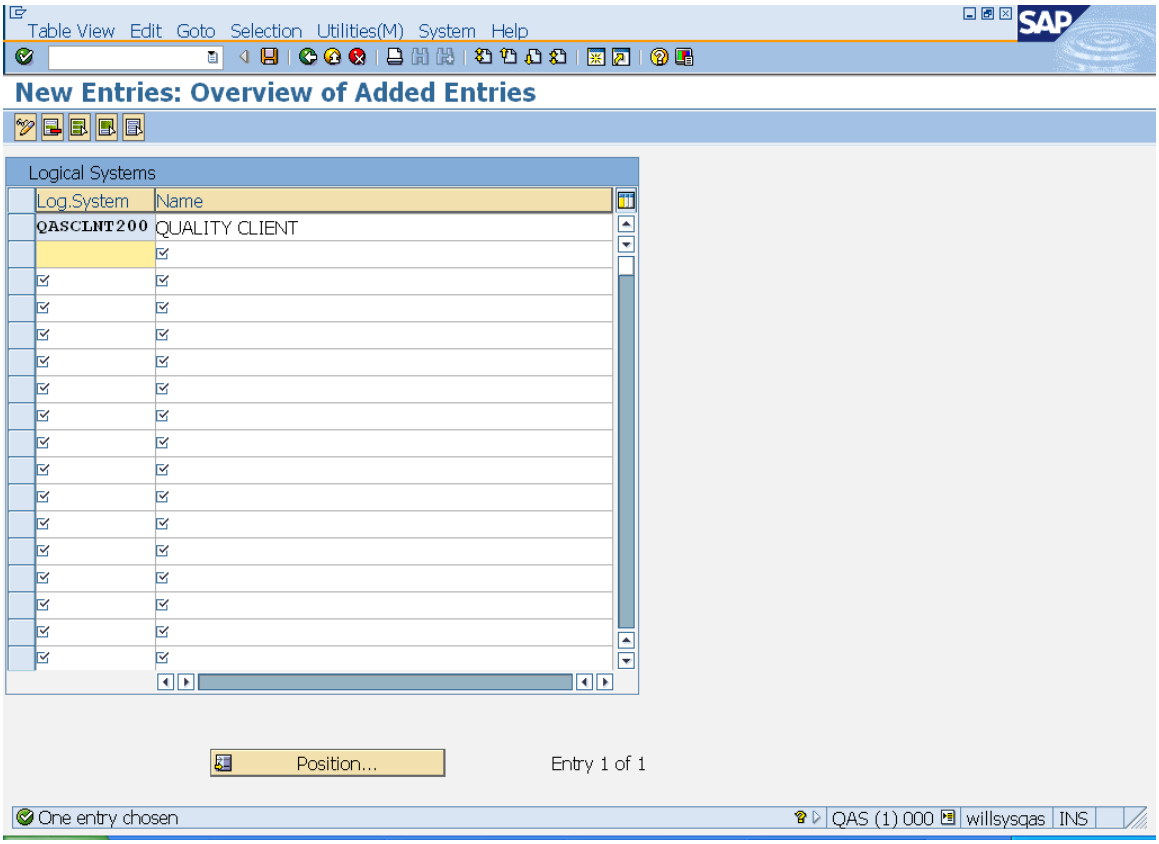
Navigate to Basic Settings→Logical Systems→Define Logical System→


Implementation Guide Edit Goto Additional Information Utilities(M) System Help
Display IMG
Existing BC Sets
BC Sets for Activity
Activated BC Sets for Activity
Release Notes
Change Log
Where Else Use
Structure
IDoc Interface / Application Link Enabling (ALE)
Basic Settings
IDoc Administration
Inbound SOAP for IDoc: Register Service
Perform Automatic Workflow Customizing
Activate event receiver linkage for IDoc inbound
Logical Systems
Define Logical System
Assign Logical System to Client
Convert Logical System Names in Application Tables
Communication
Modelling and Implementing Business Processes
System Monitoring
QAS (1) 000
willsysqas
INS
Information
Caution: The table is cross-client

Click on "ok"→

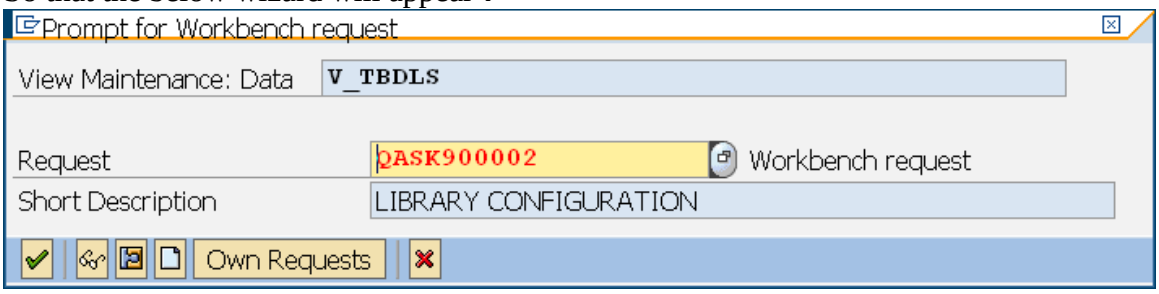


Click on “New Entries”→

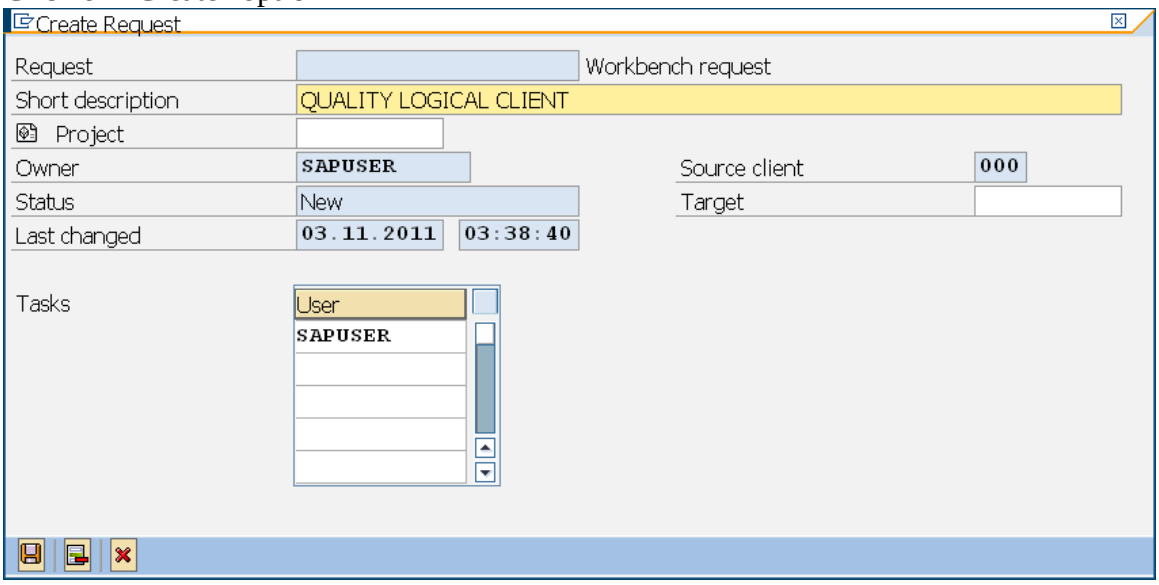


Specify the Logical system and click on ‘save”→

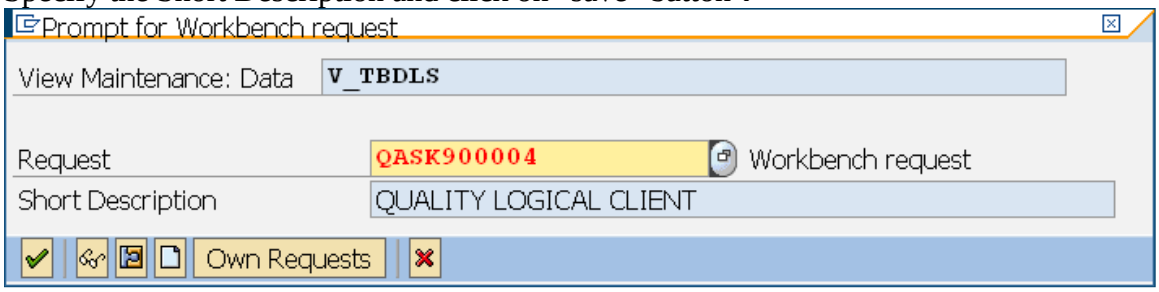
So that the below wizard will appear→



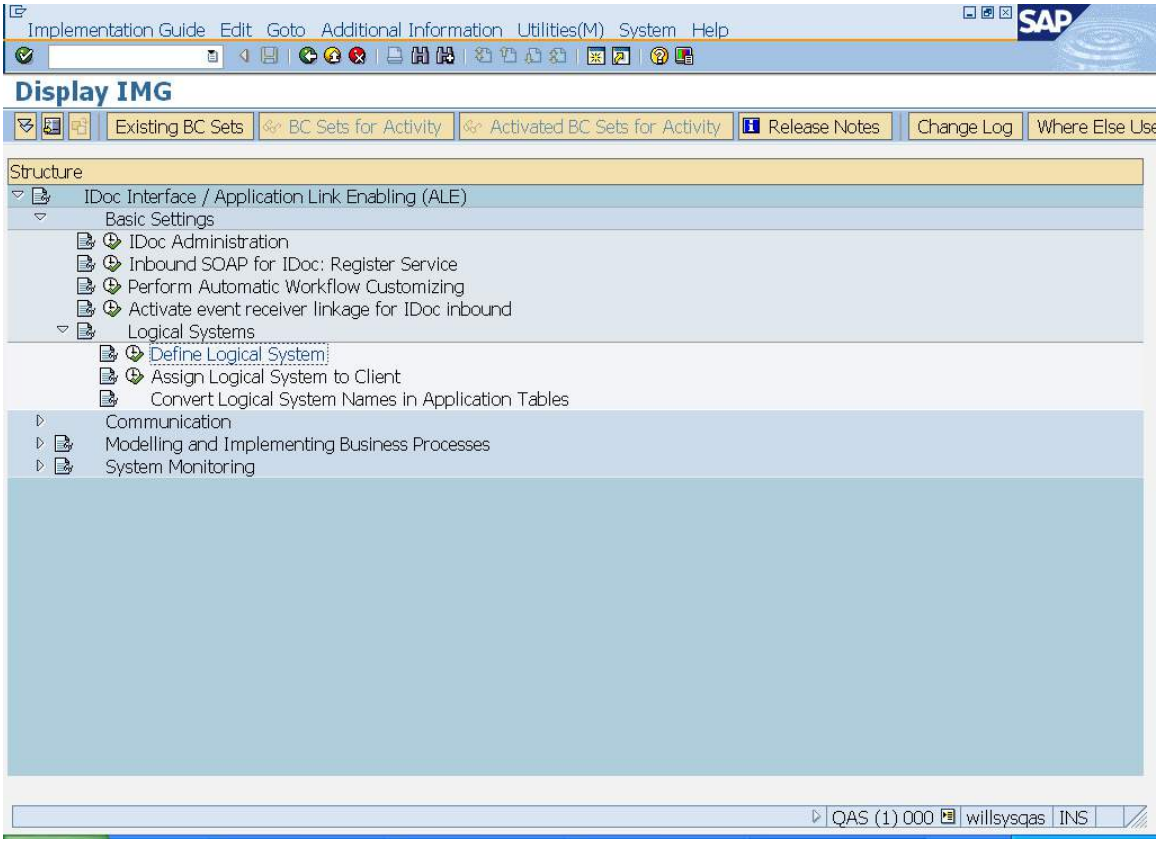
Click on "Create" option→



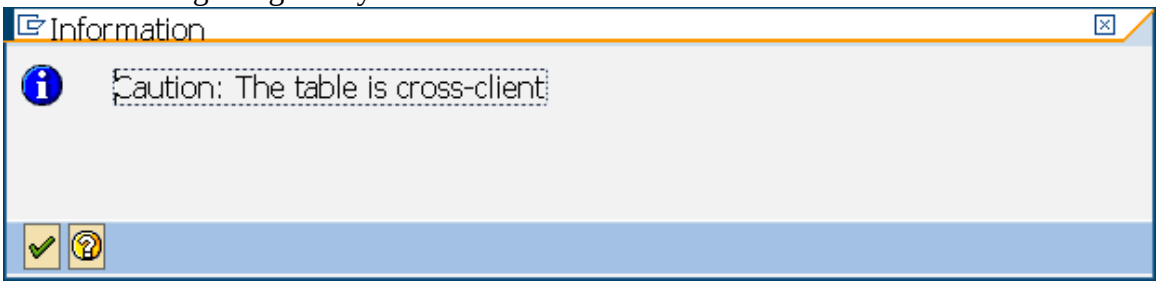
Specify the Short Description and click on "save" button→



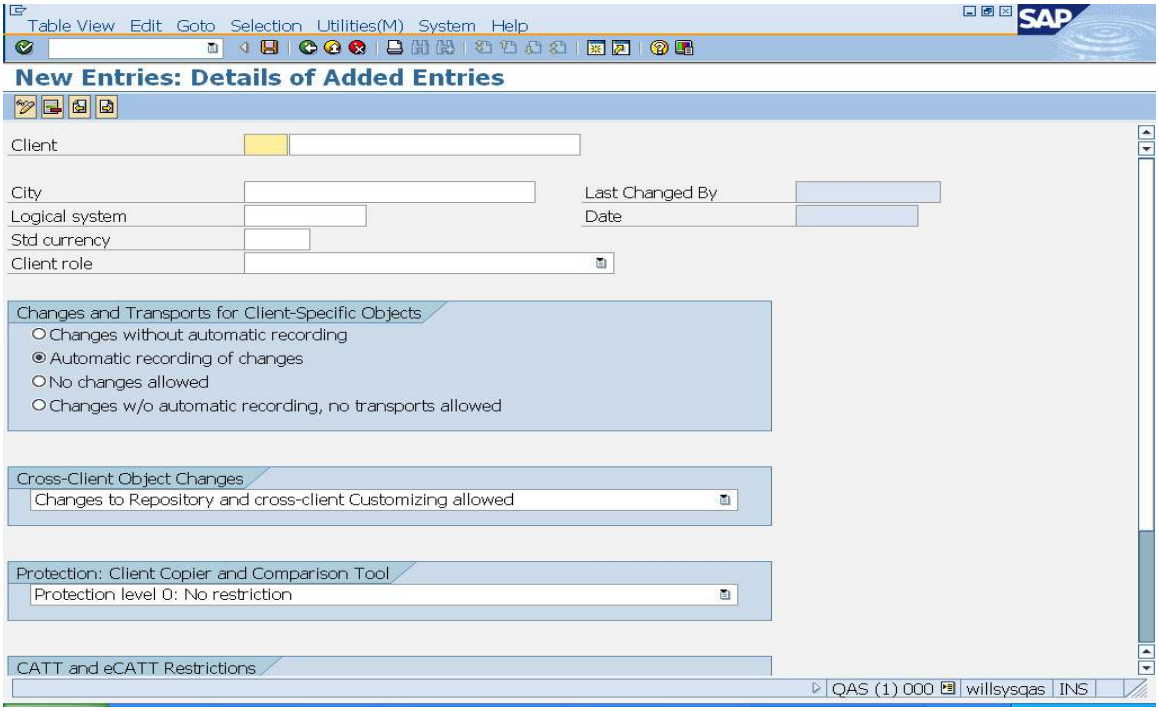
Click on "ok"→



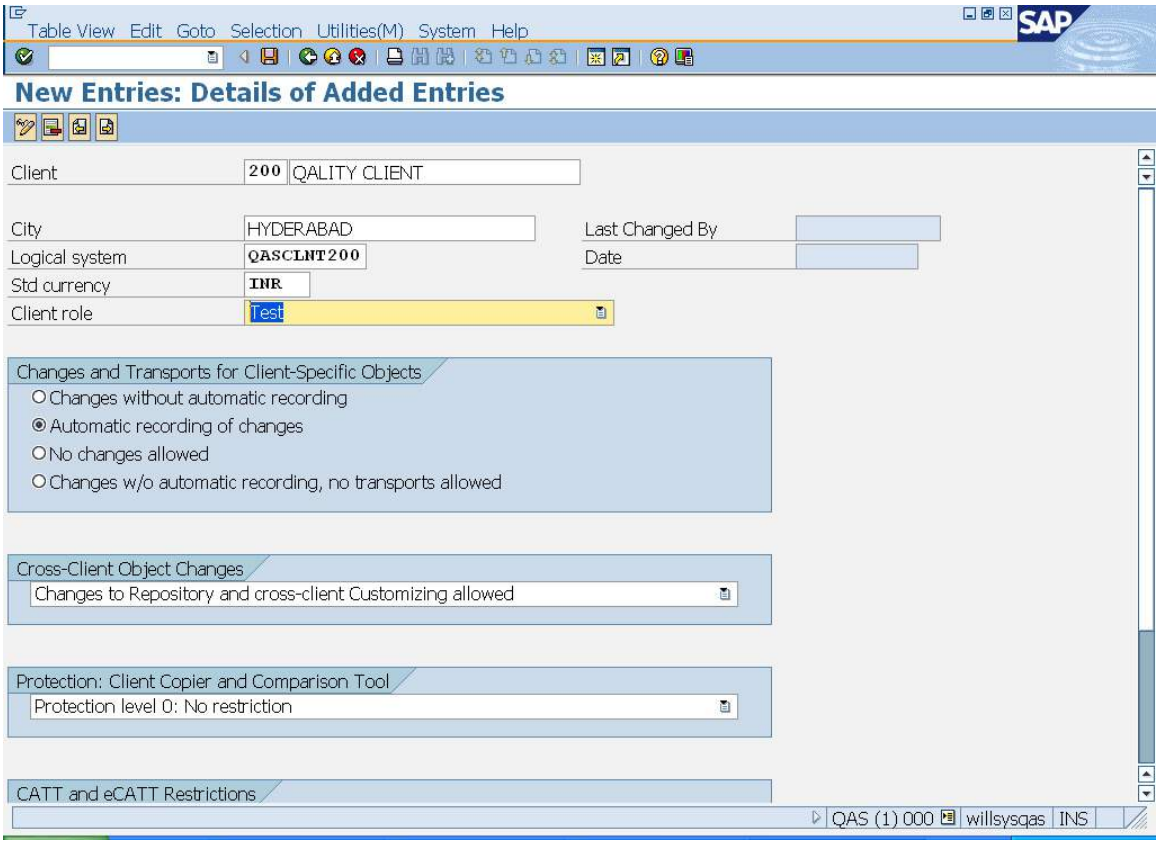
Click on "Assign Logical Systems to Client"→

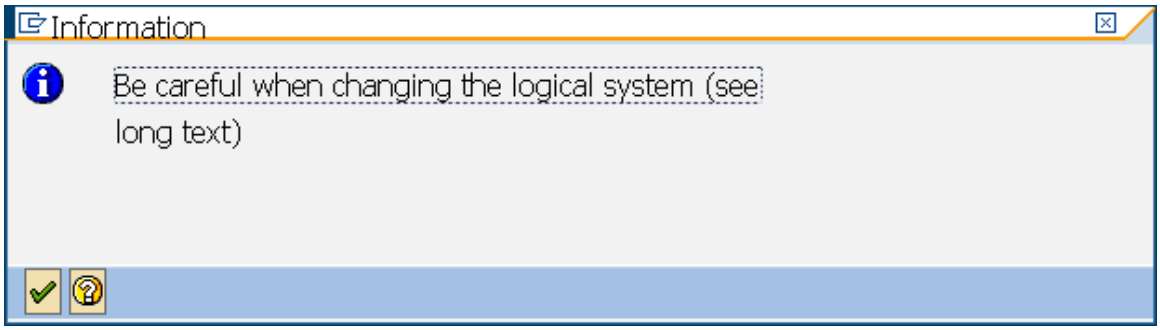


Click on "ok"→



Specify the Client Number, Description, city, logical system, standard currency, client role and click on "save"→



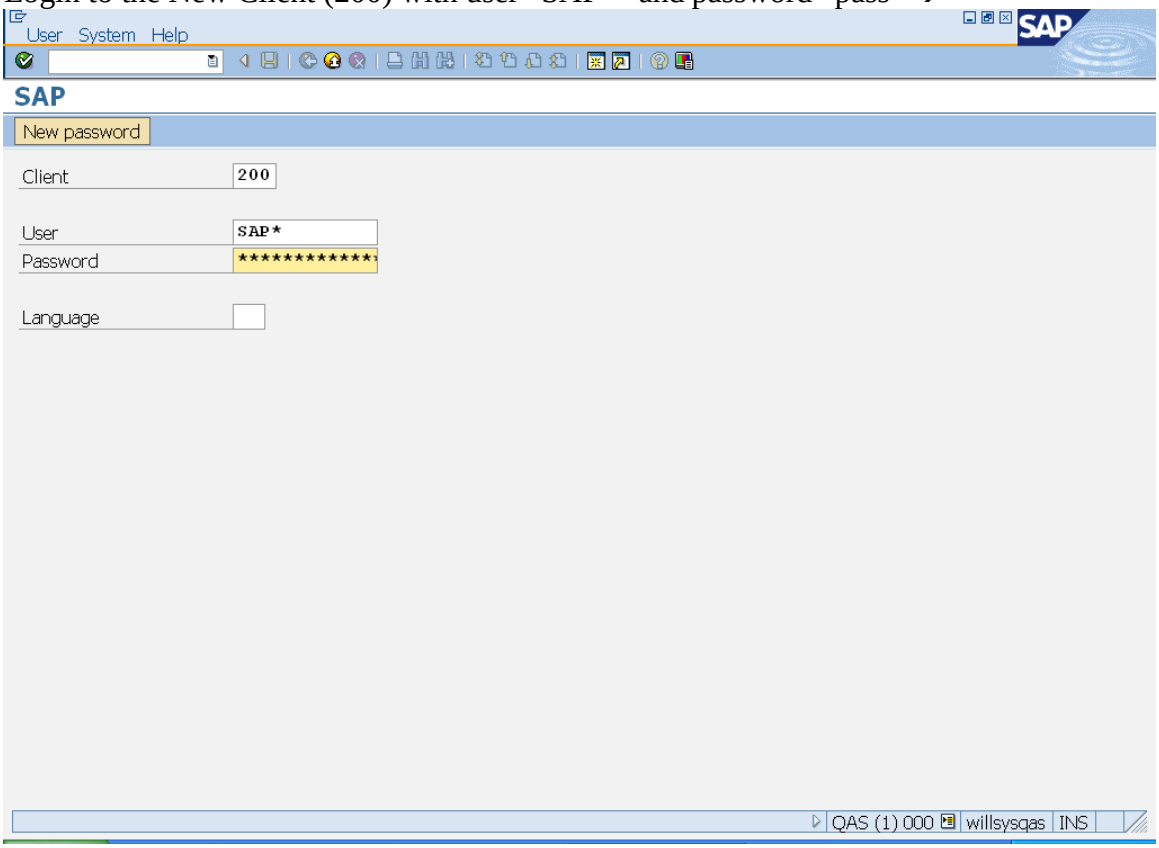


Click on “ok”→

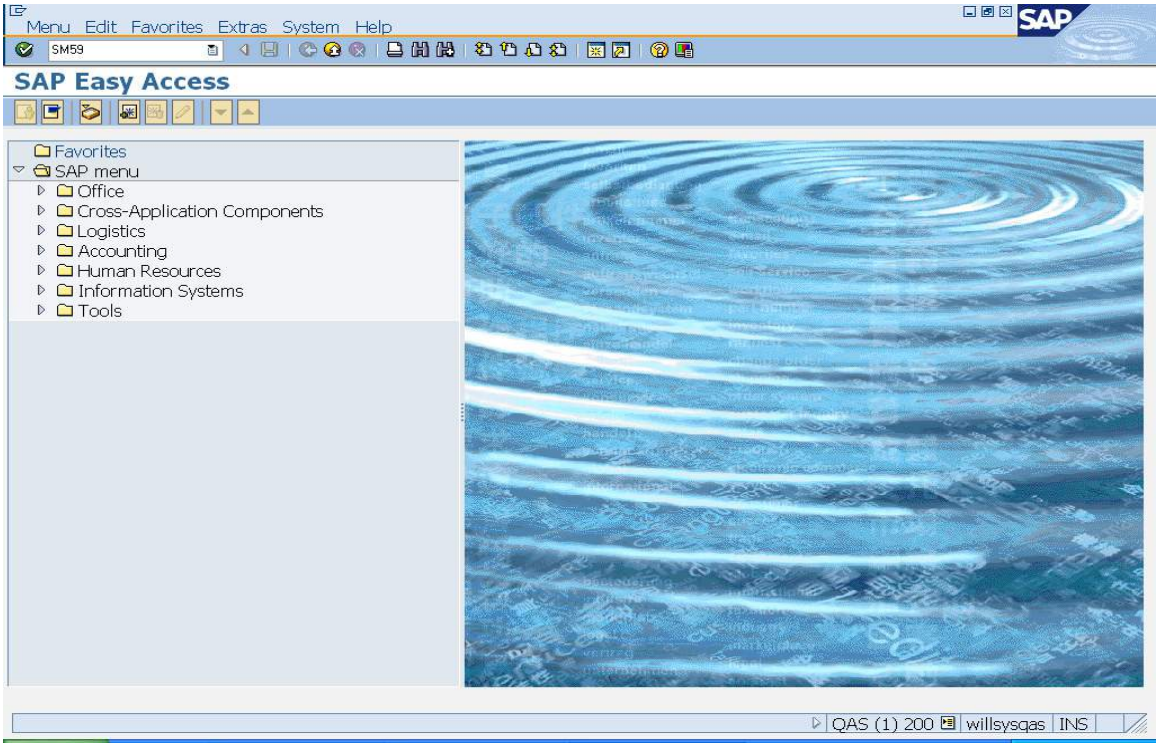
If we want to login to the newly created client we need to maintain some parameters in Instance Profile

Execute Transaction Code RZ10→select the Instance Profile→specify the parameter login/no_automatic_user_sapstar=0

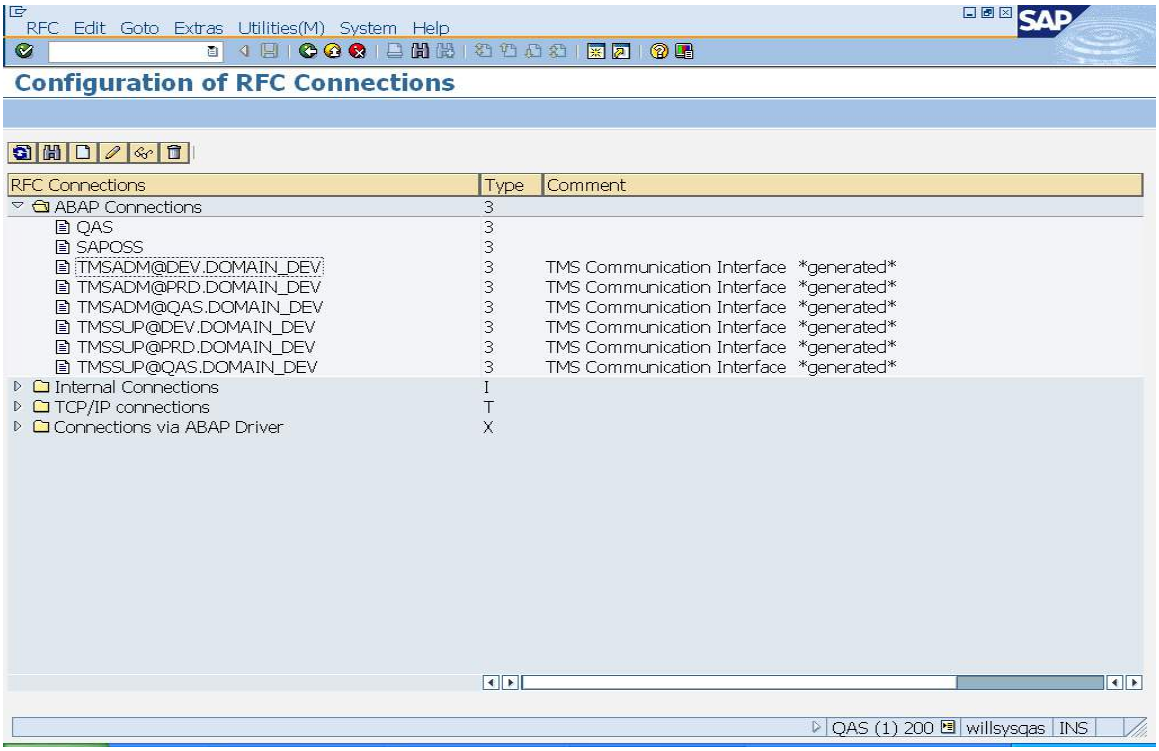
Login to the New Client (200) with user “SAP*” and password “pass” →



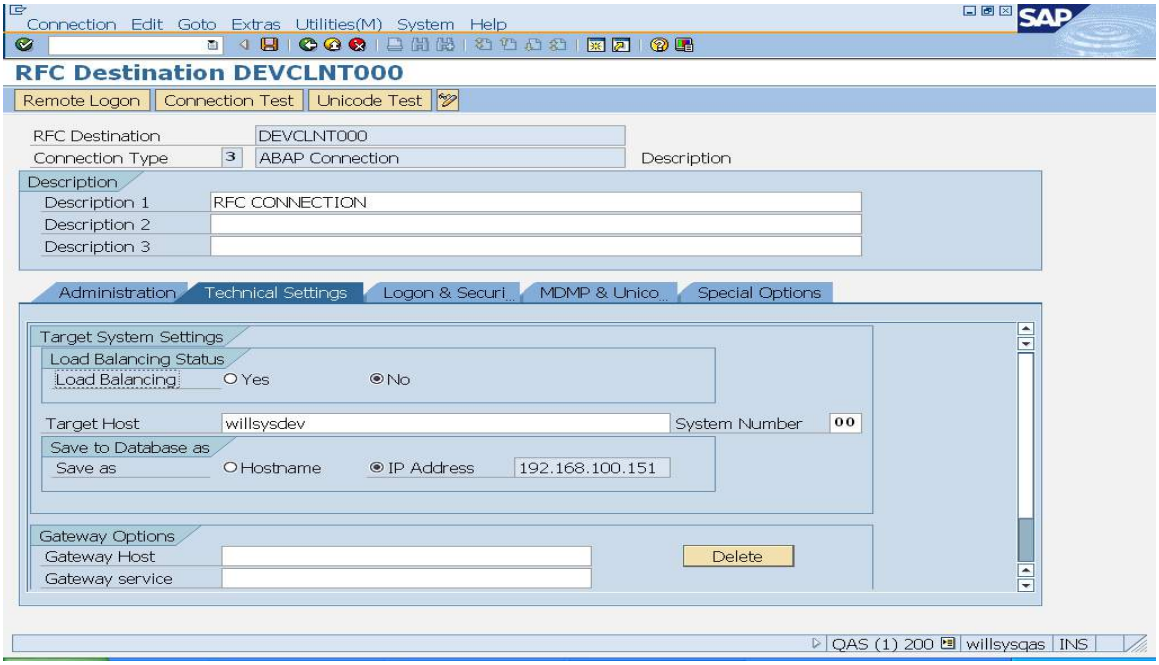
Execute the Transaction Code “SM59”→



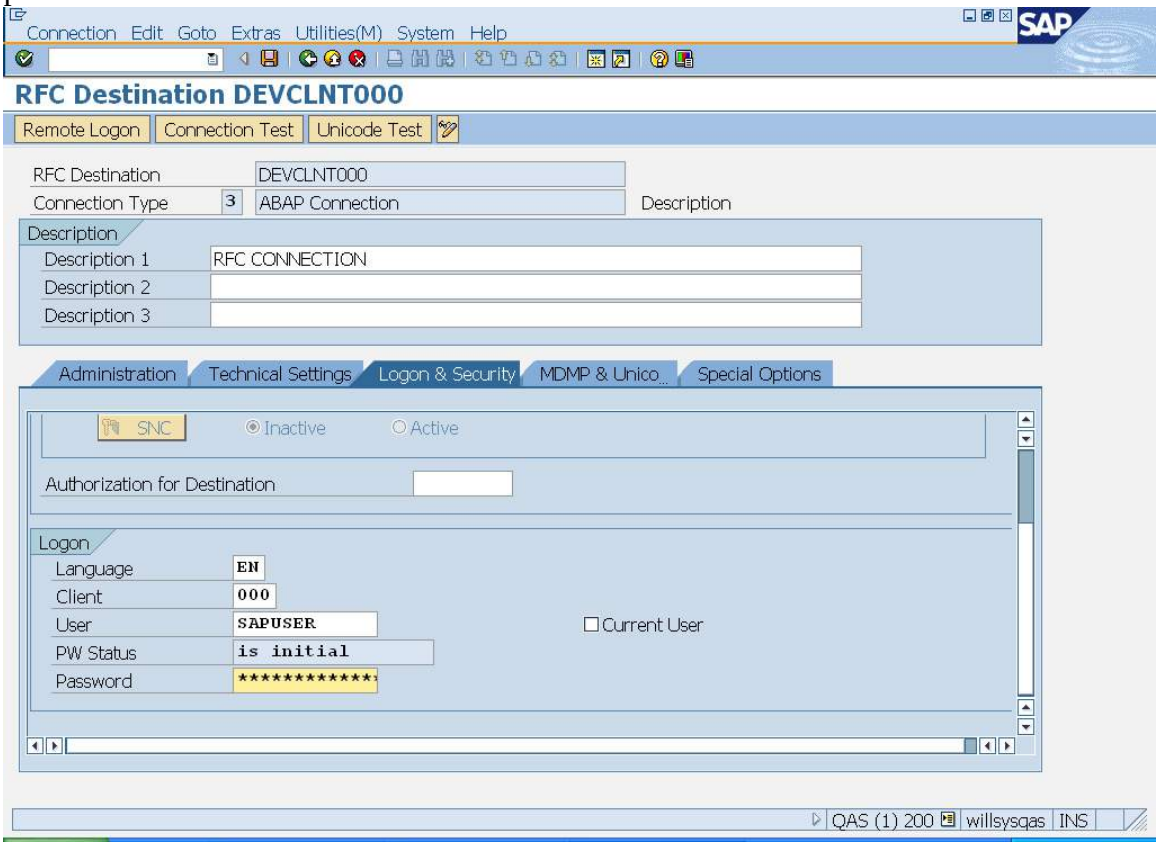
Select the “ABAP Connection” and click on “create”→

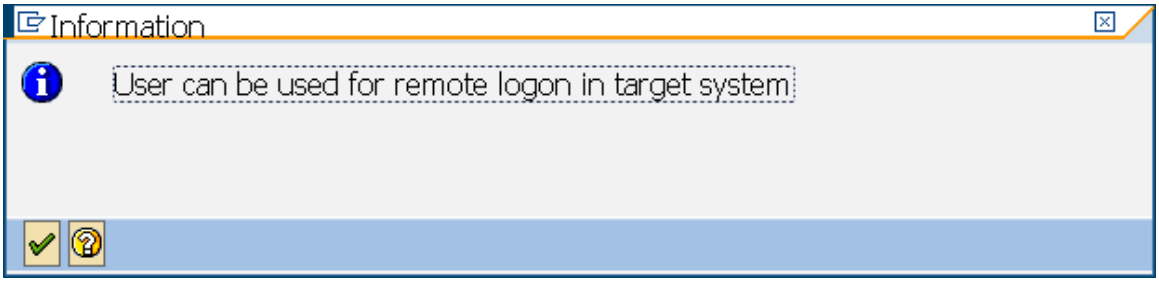


Specify the RFC Destination, connection Type, and Description
Specify the Target Host, and client Number

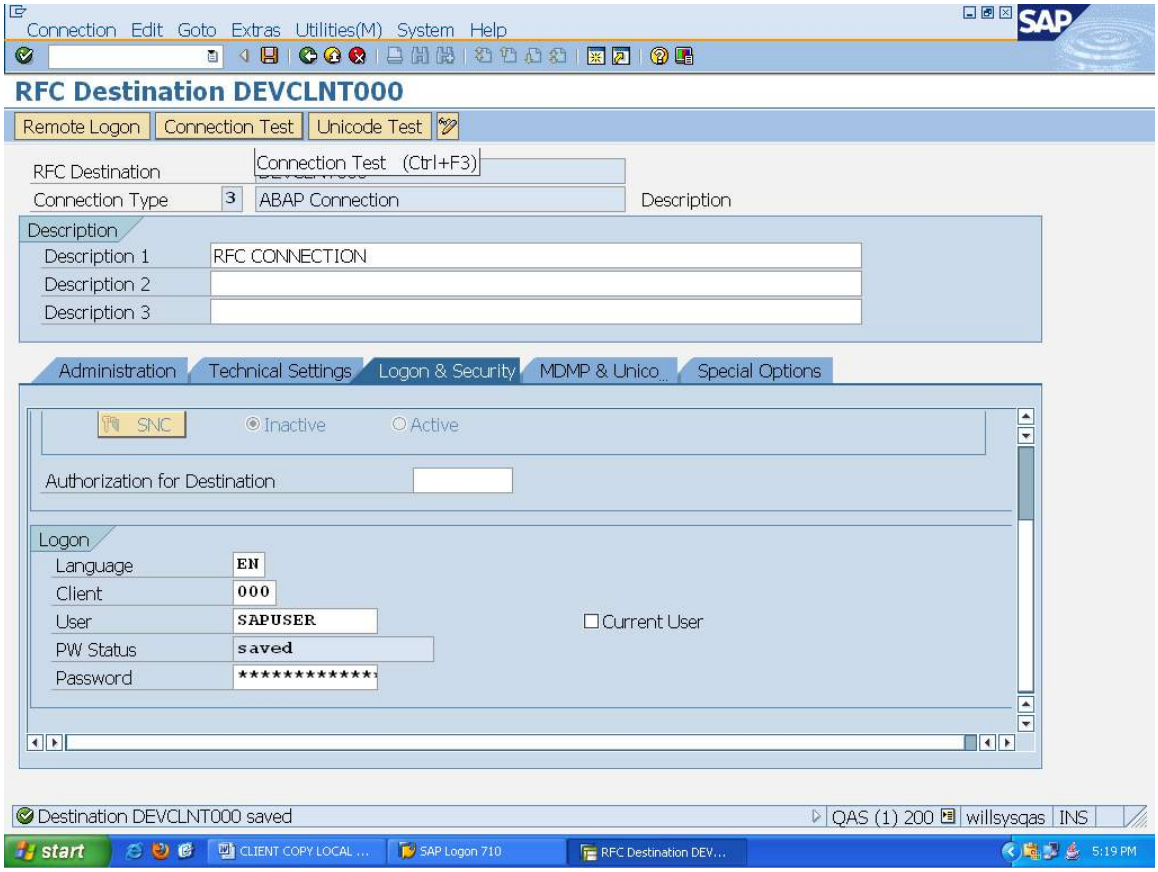


Navigate to the tab “Logon & Security” and specify the language, client, user, and password and Click on “save”→

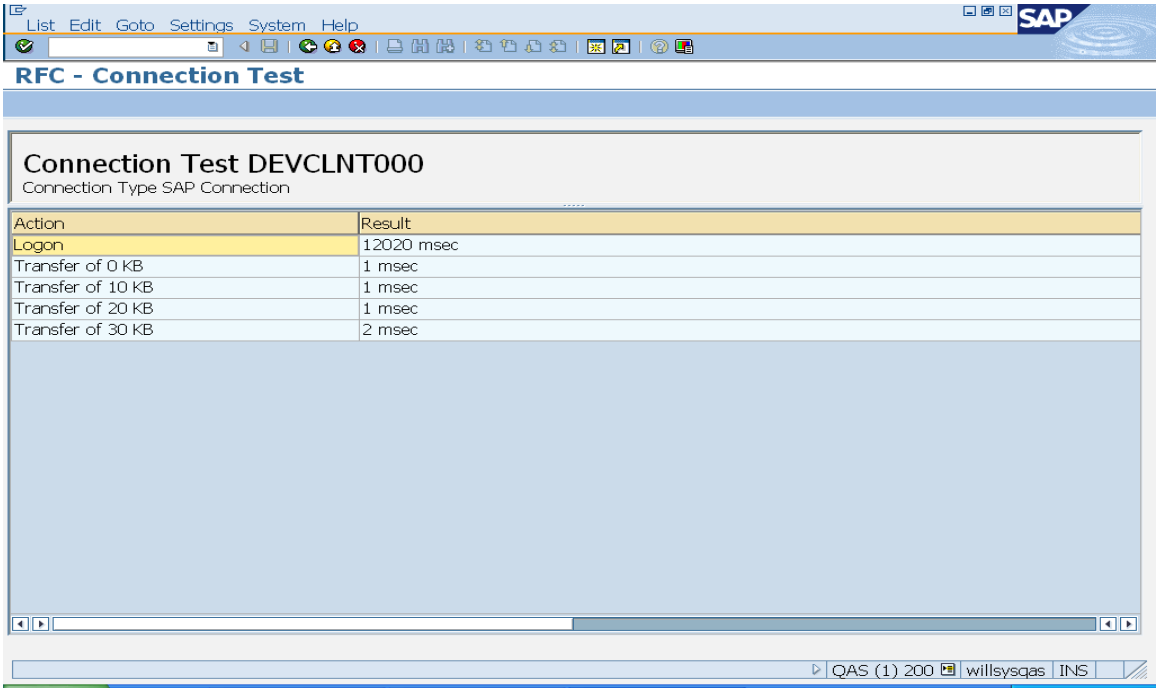




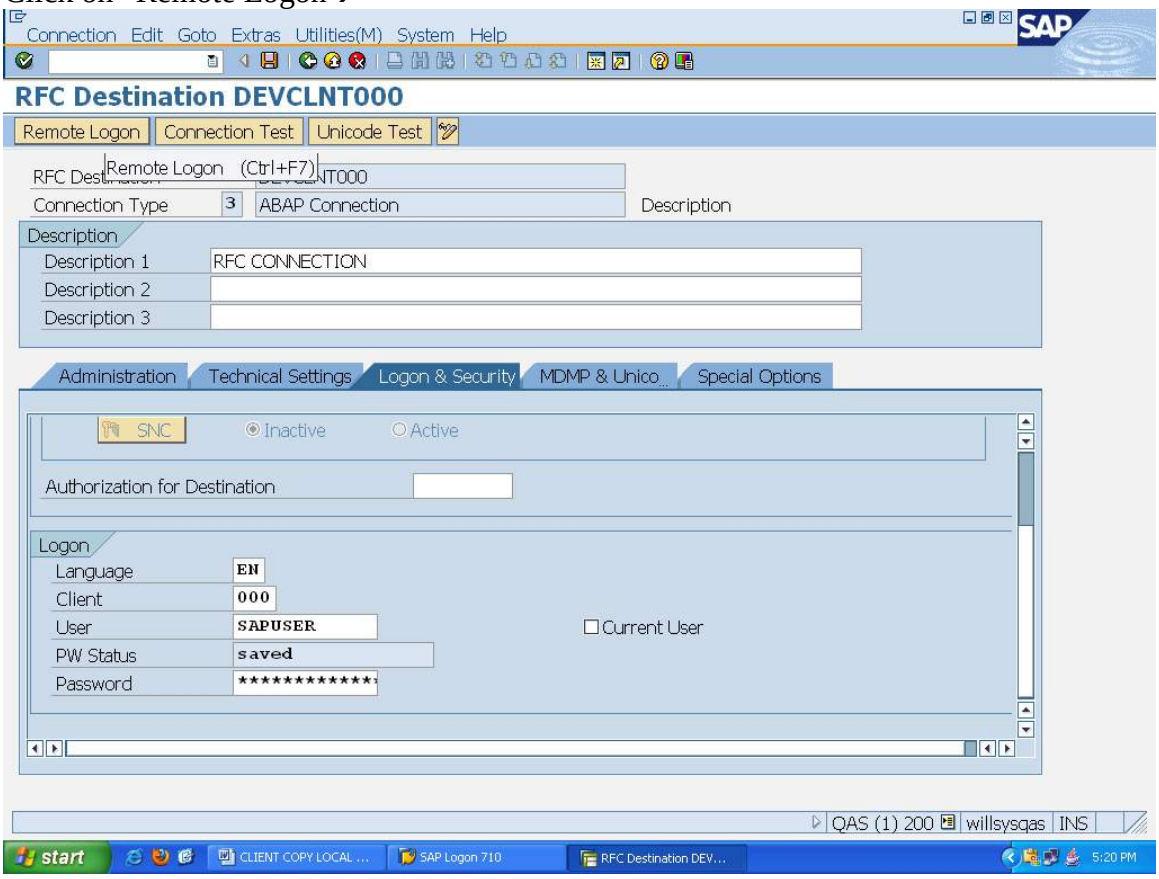
Click ok “ok”→



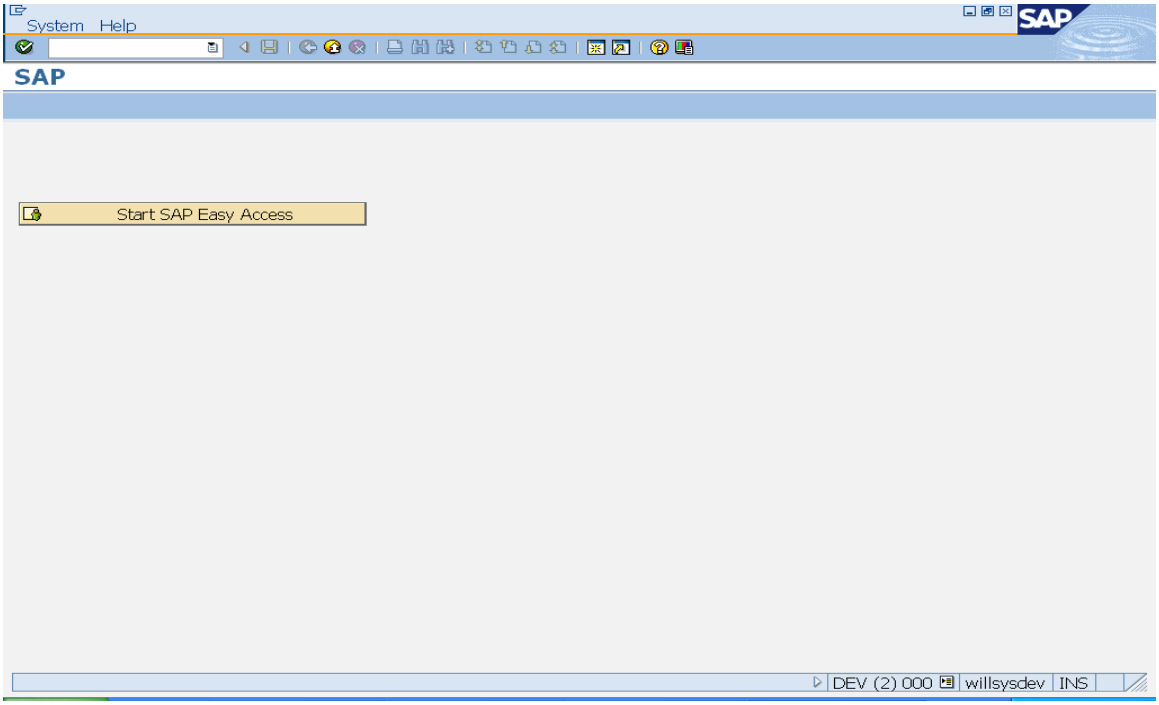
Click on “connection test”→so that the below wizard will appear→

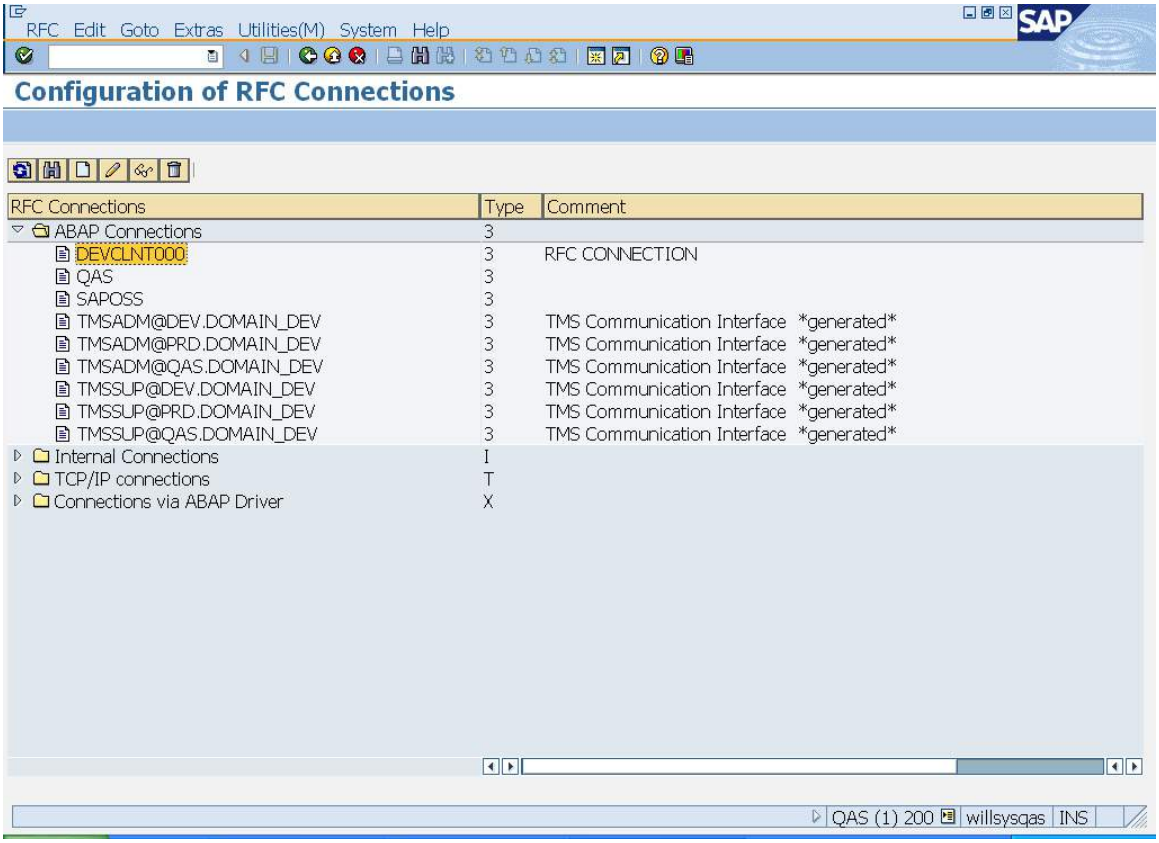


Click on “Remote Logon→

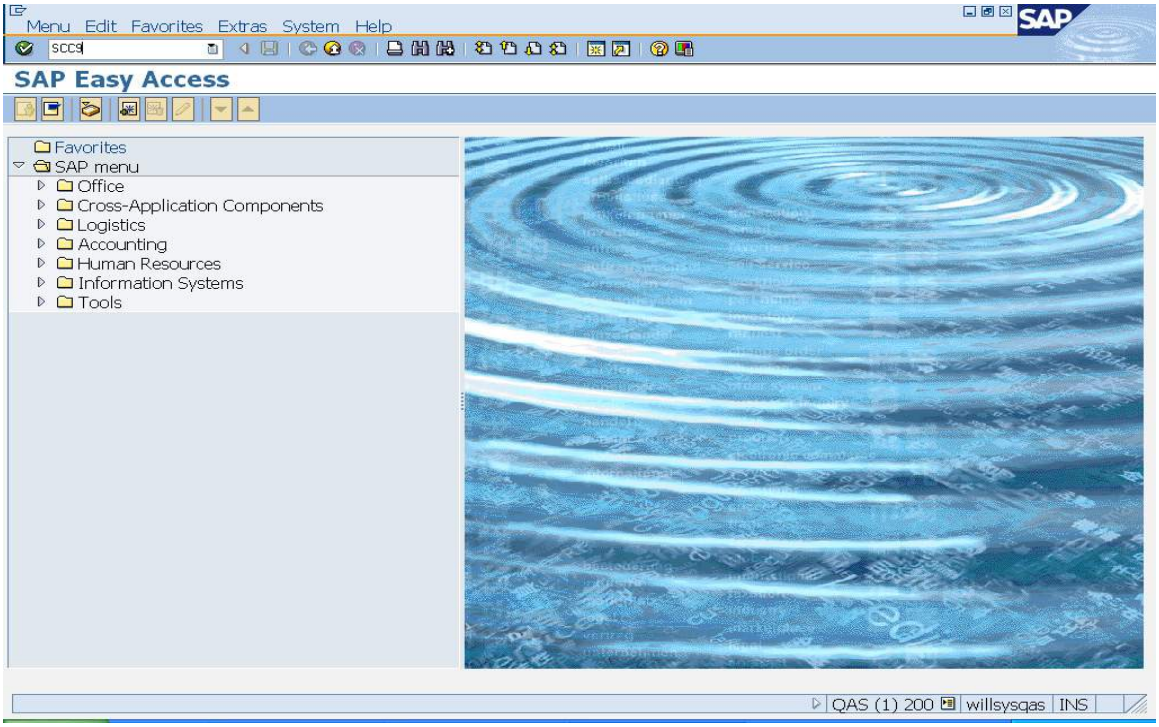


It should login to the source system→

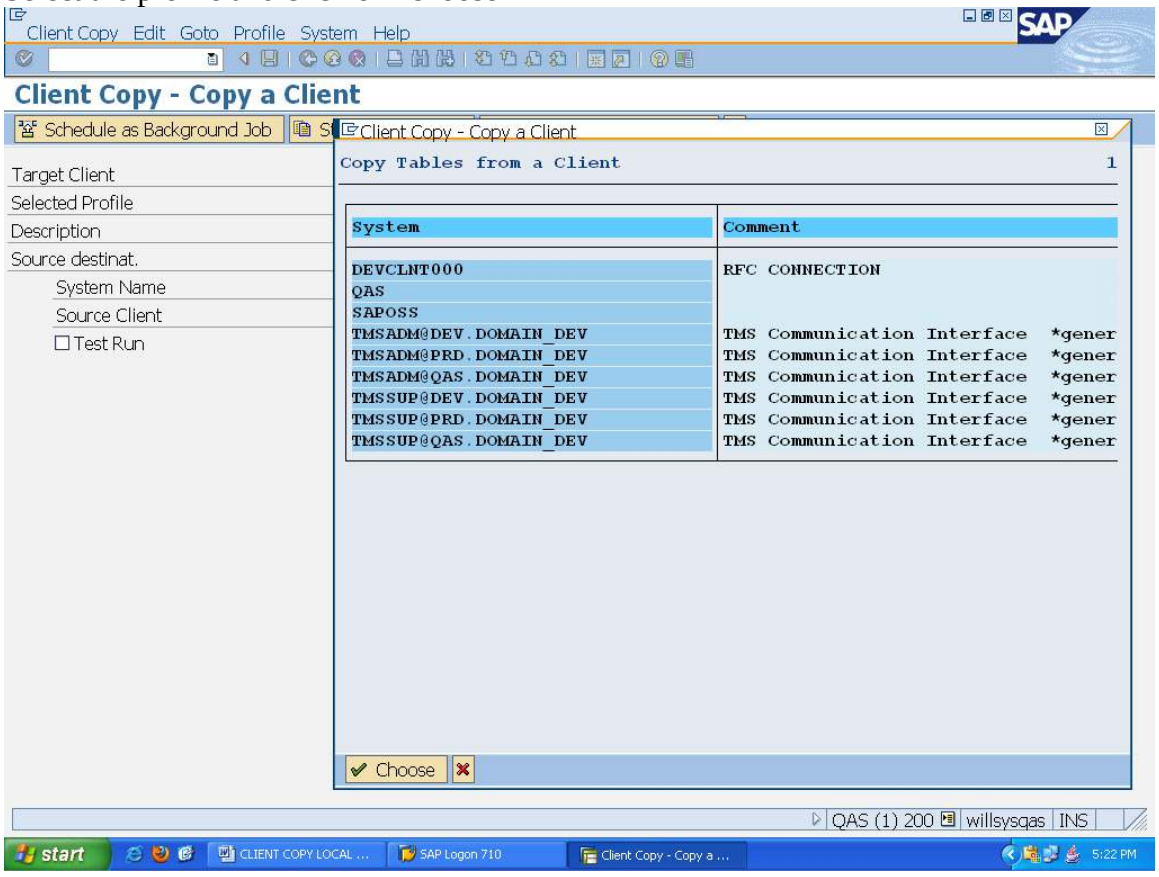




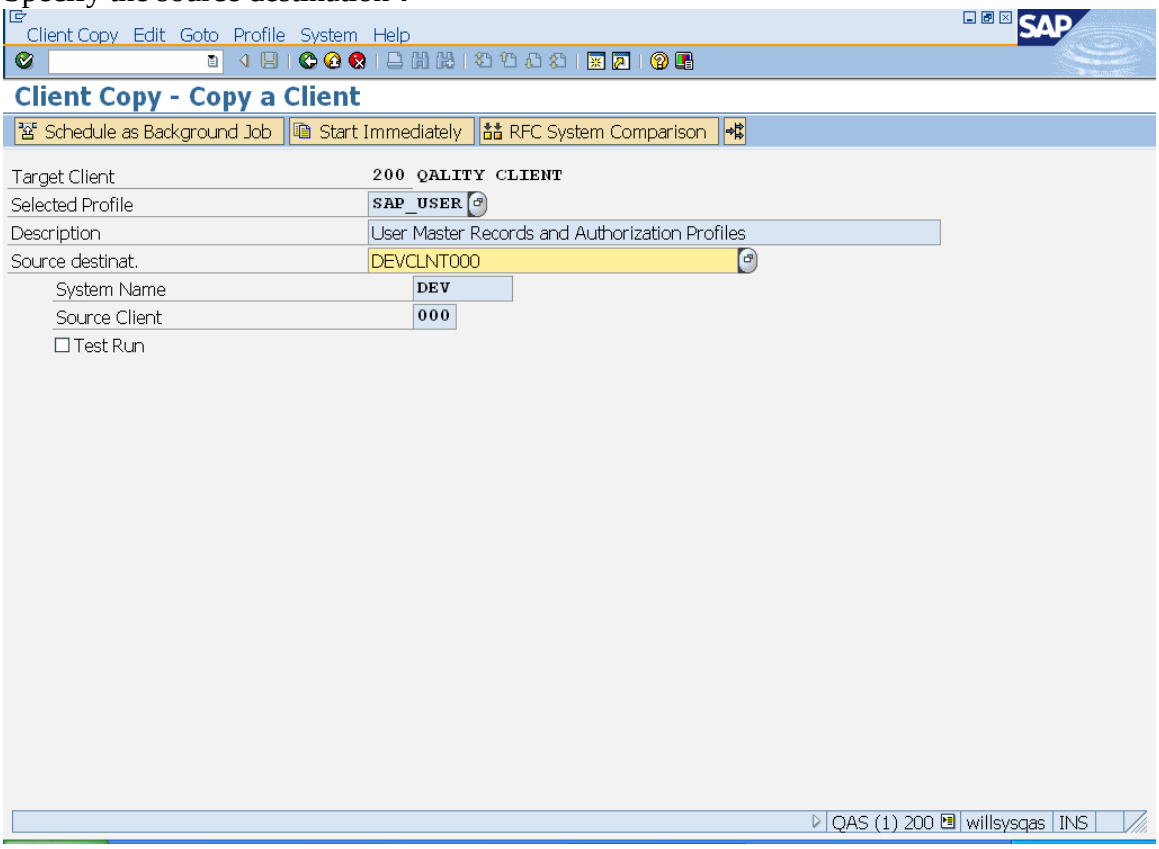
Execute Transaction Code “SCC9”→

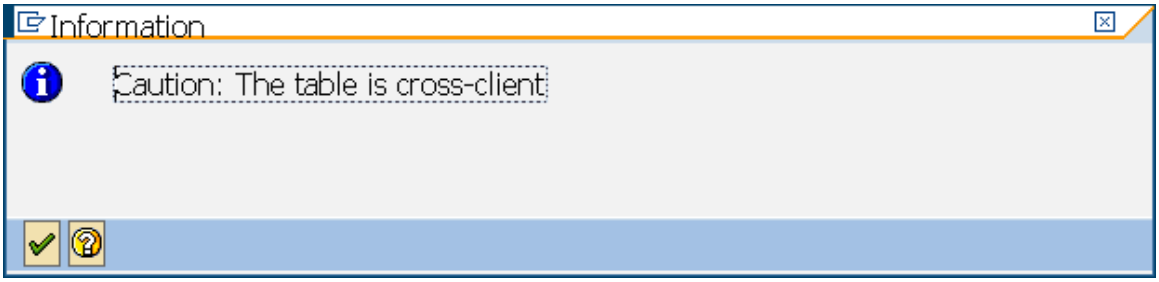


Select the profile and click on “choose”→

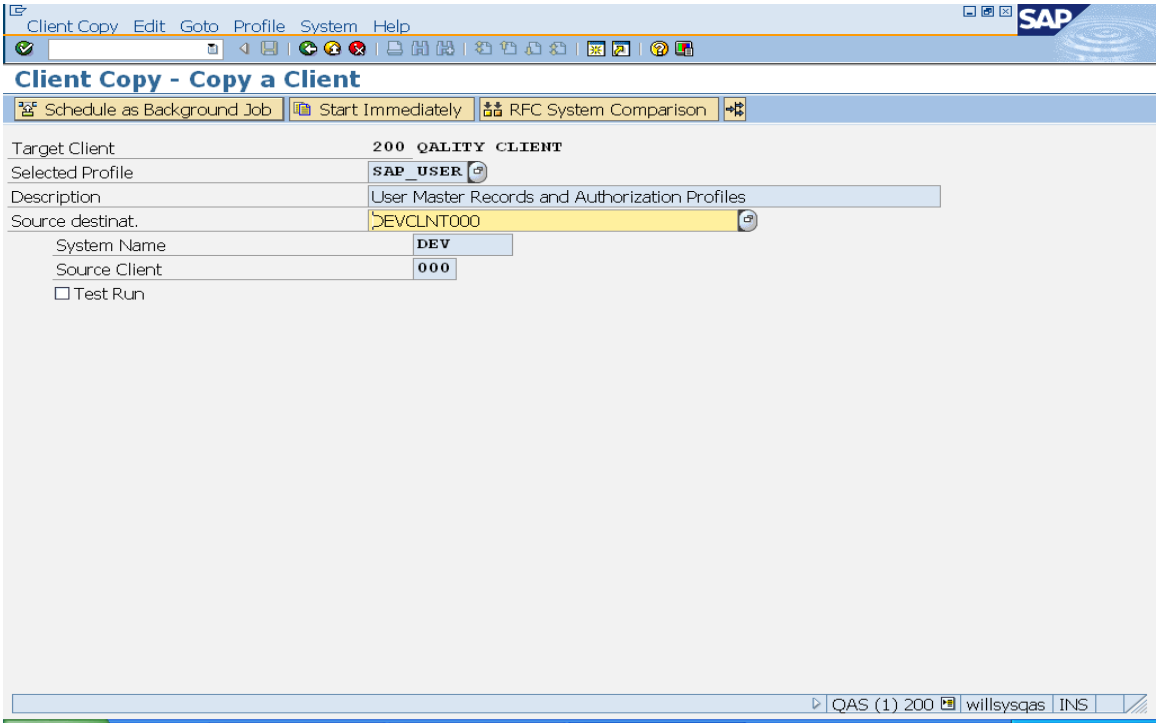


Specify the source destination→

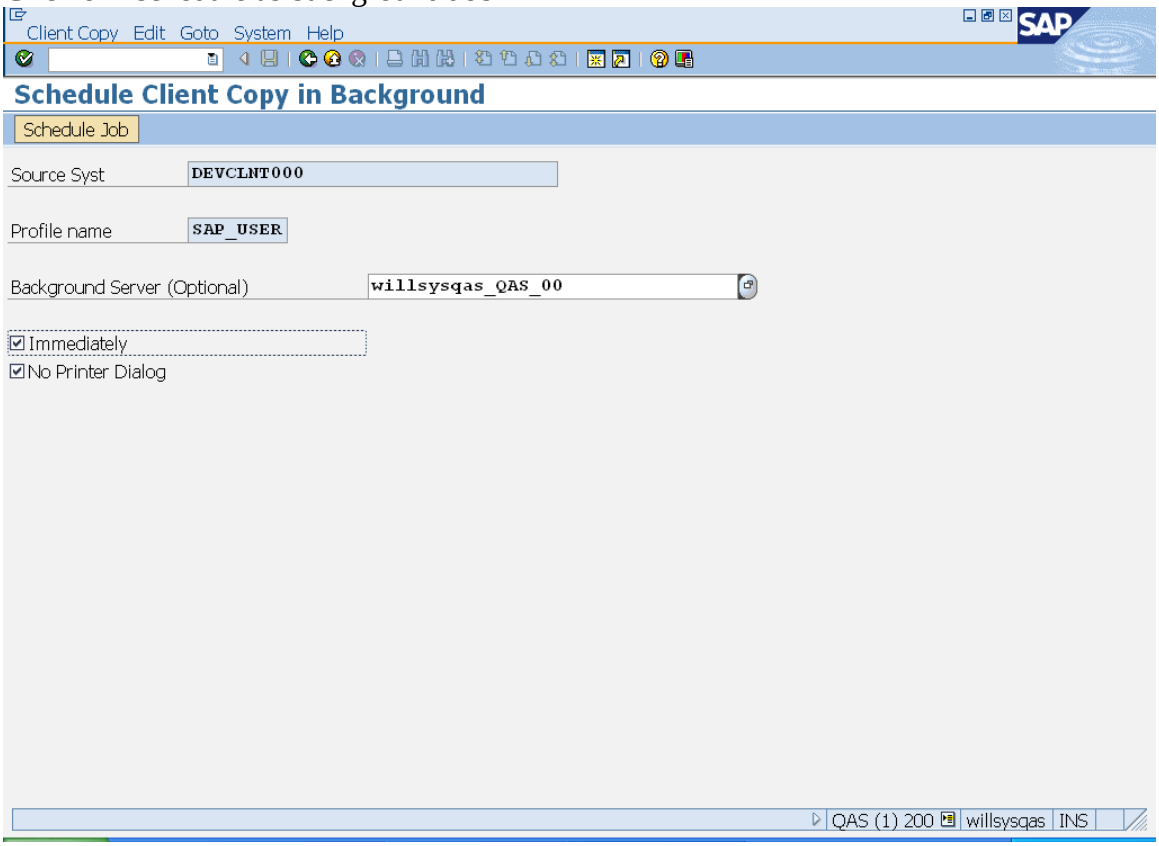




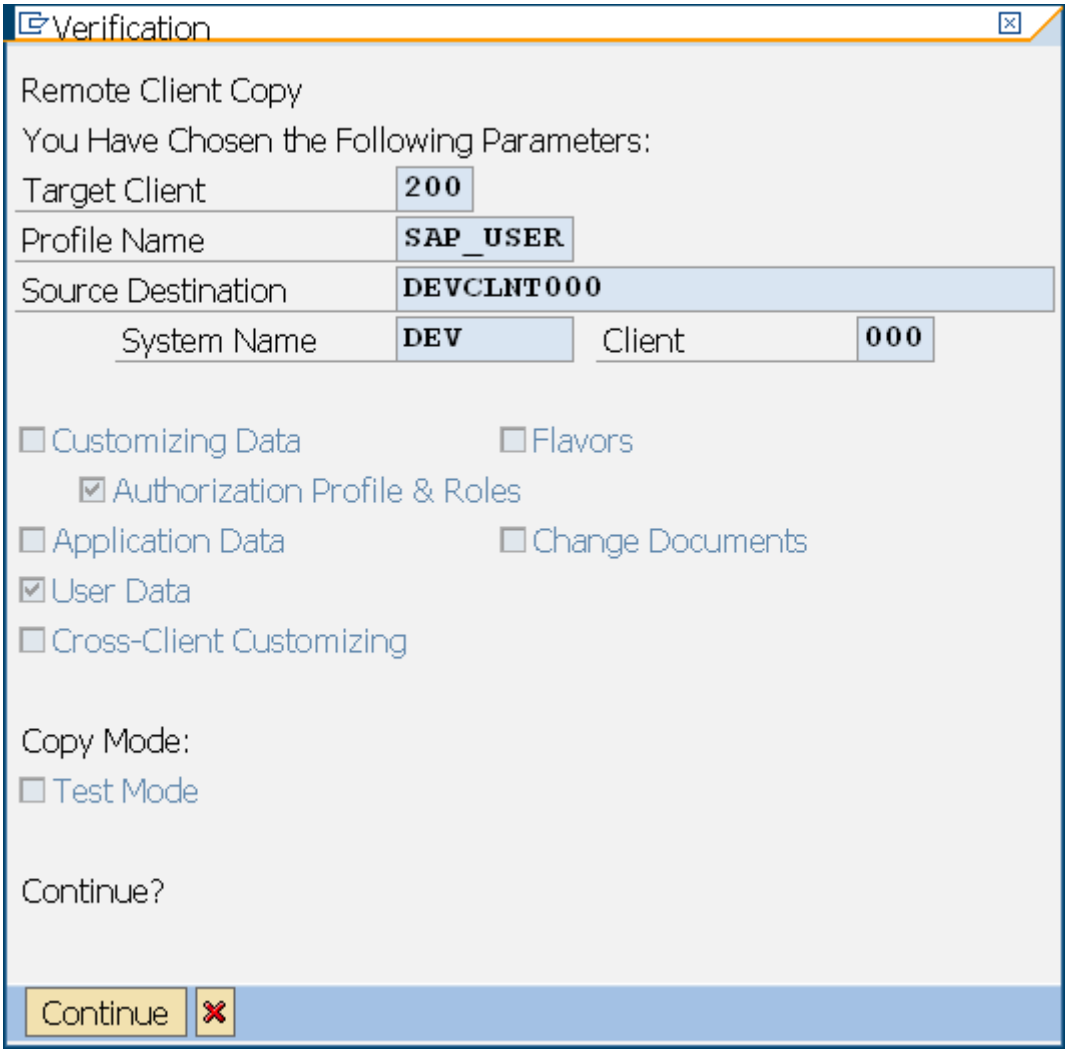
Click on “ok” button→



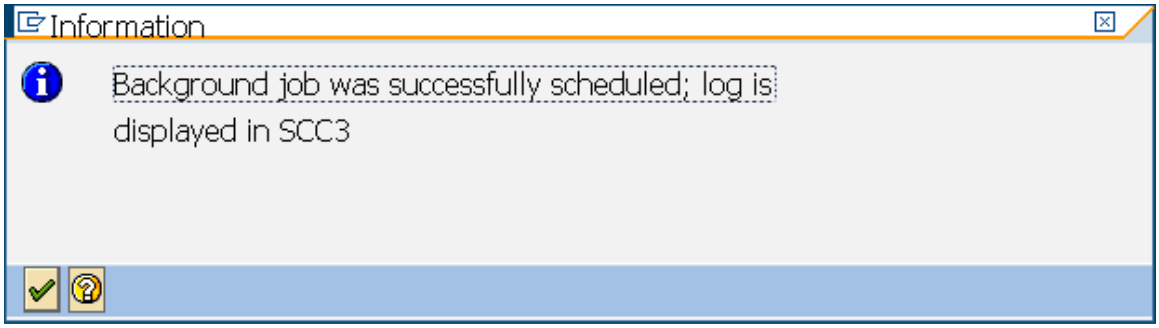
Click on “schedule as background Job’→



Click on “Schedule Job”→



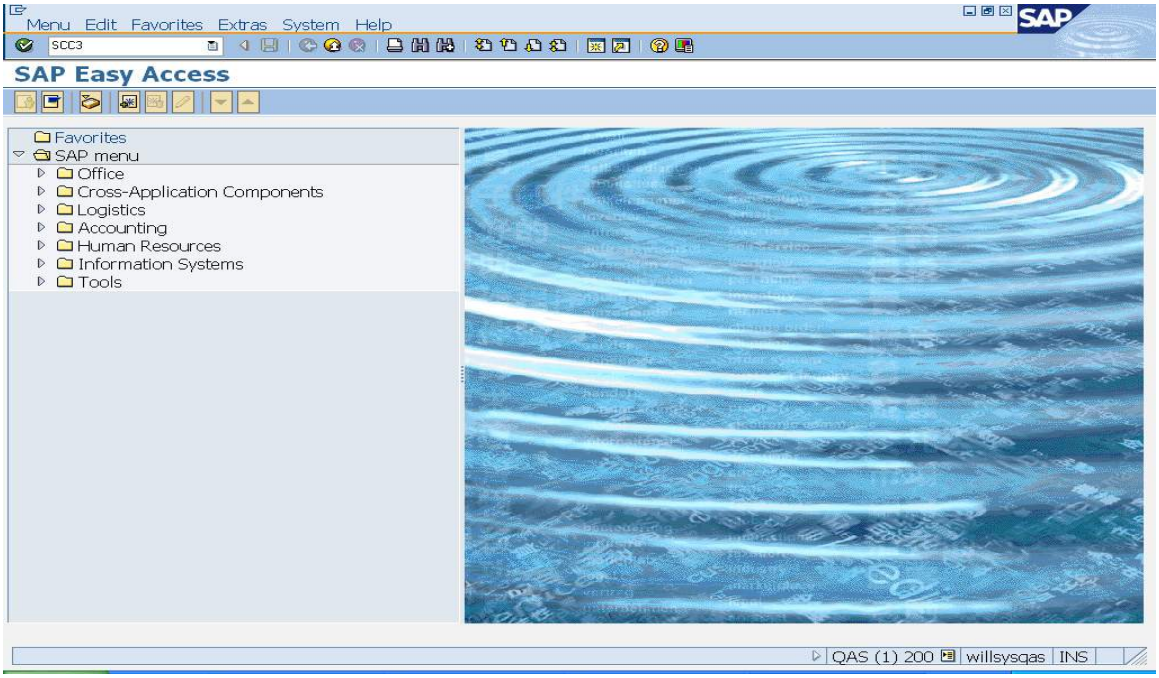
Click on “continue”



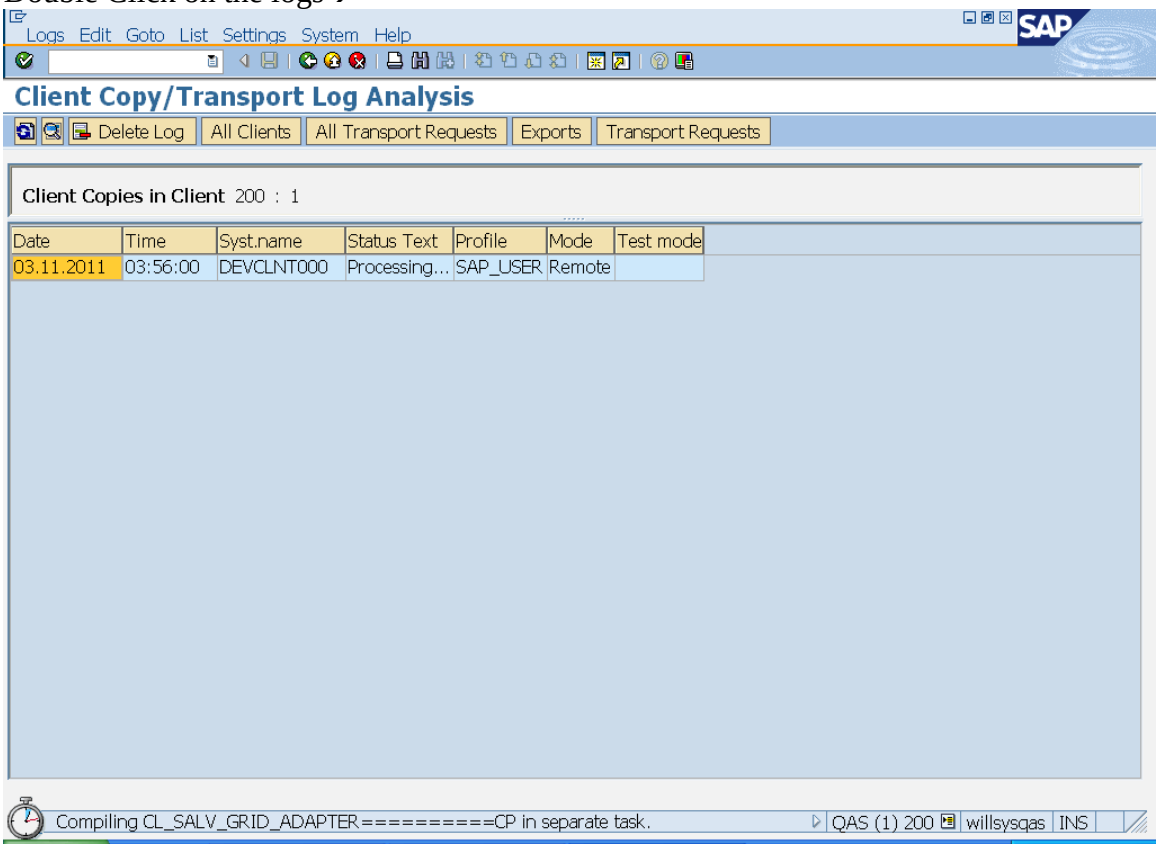
Click on “ok” so that the background job will be scheduled”
We can check the logs in Transaction Code “SCC3”.

MONITORING: SCC3

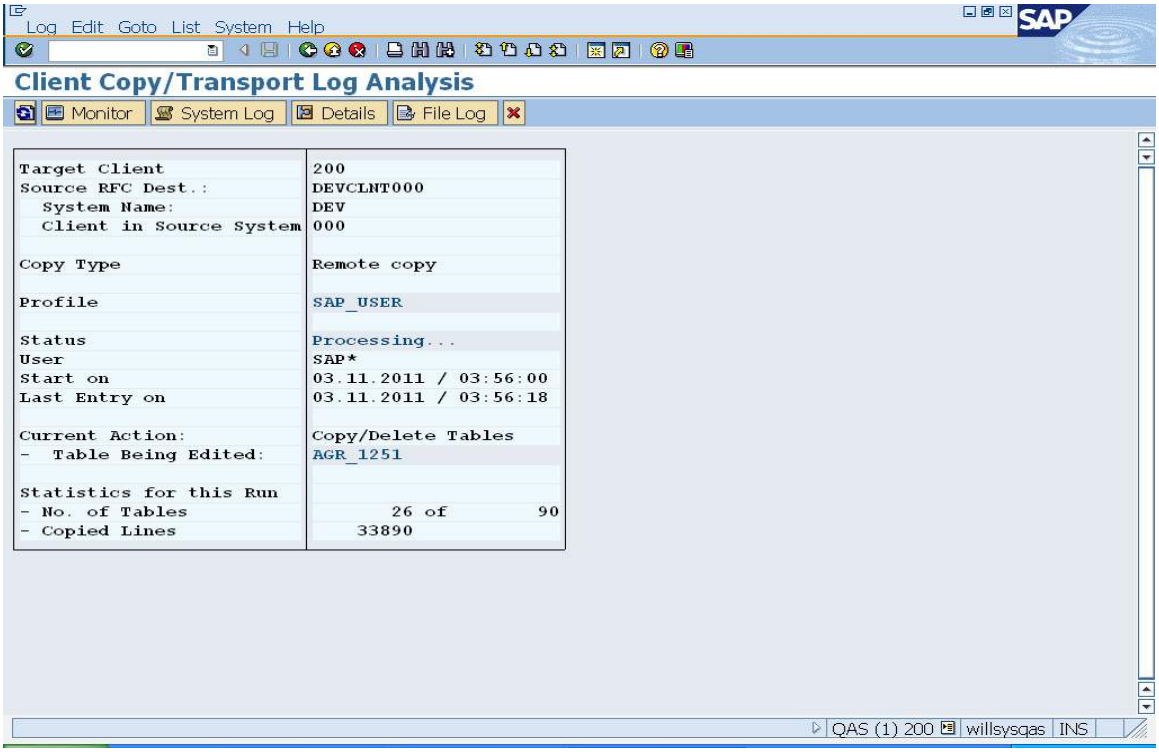
Execute Transaction Code “SCC3”→

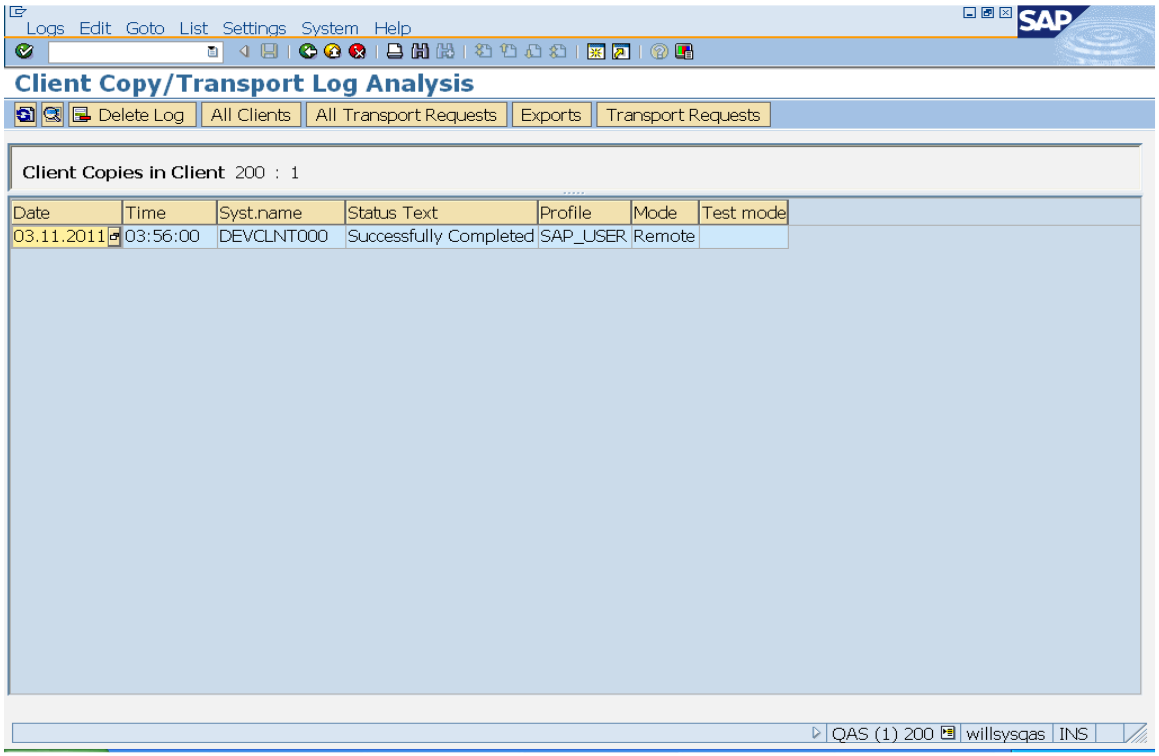


Double Click on the logs→



Here we can check the Number of tables and the status of the logs.

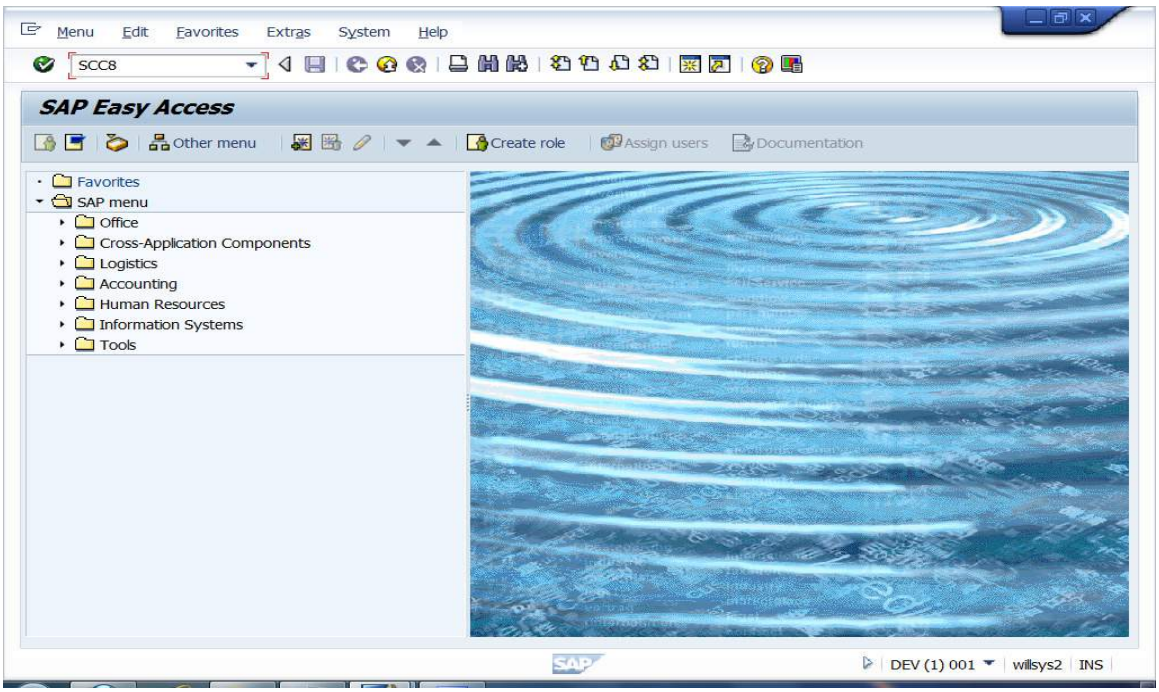




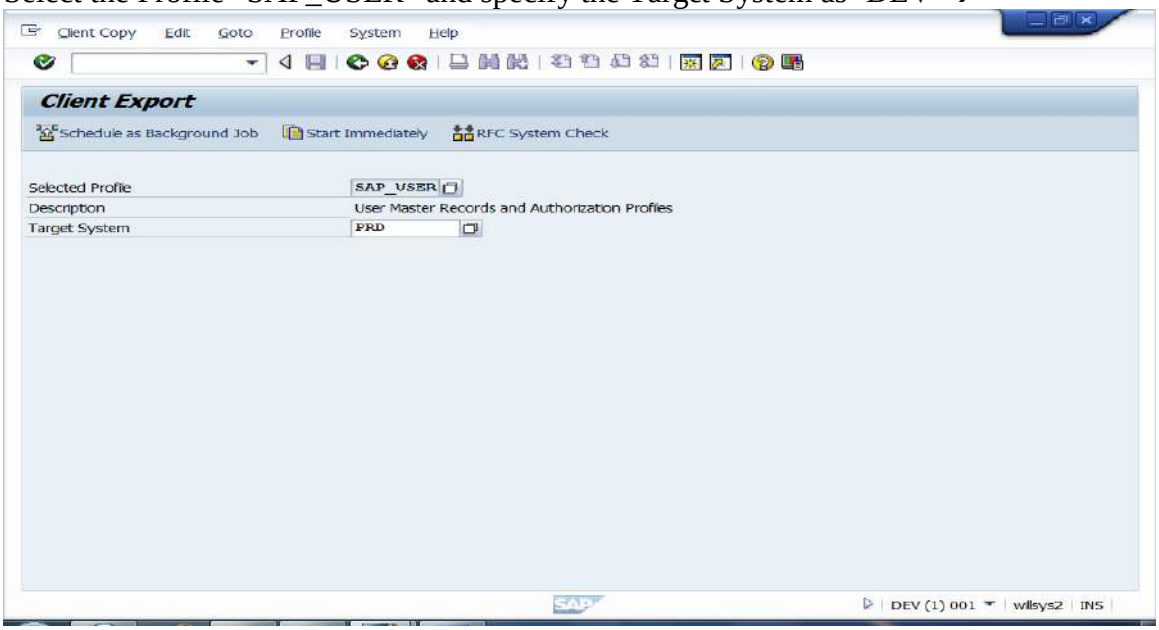
We need to check the status of the client copy
Remote client is done successfully.

EXPORT/IMPORT METHOD (SCC8 & SCC7)

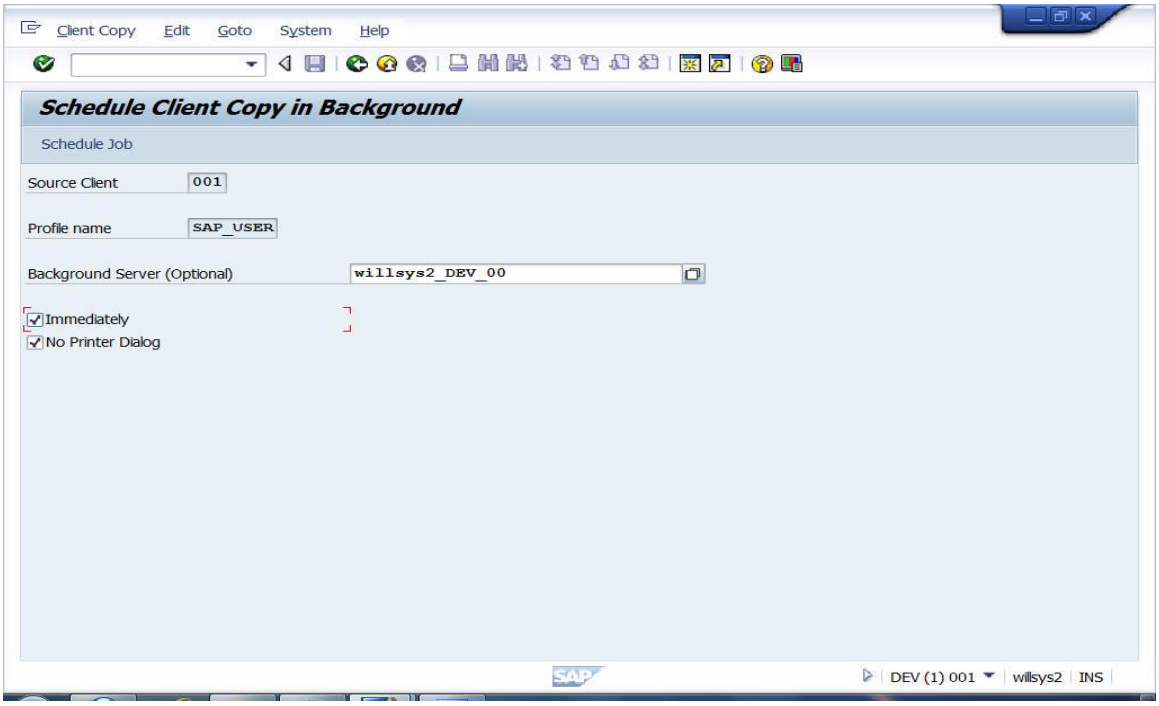
SOURCE→DEV (001)
TARGET→PRD (950)
Execute Transaction Code “SCC8”→

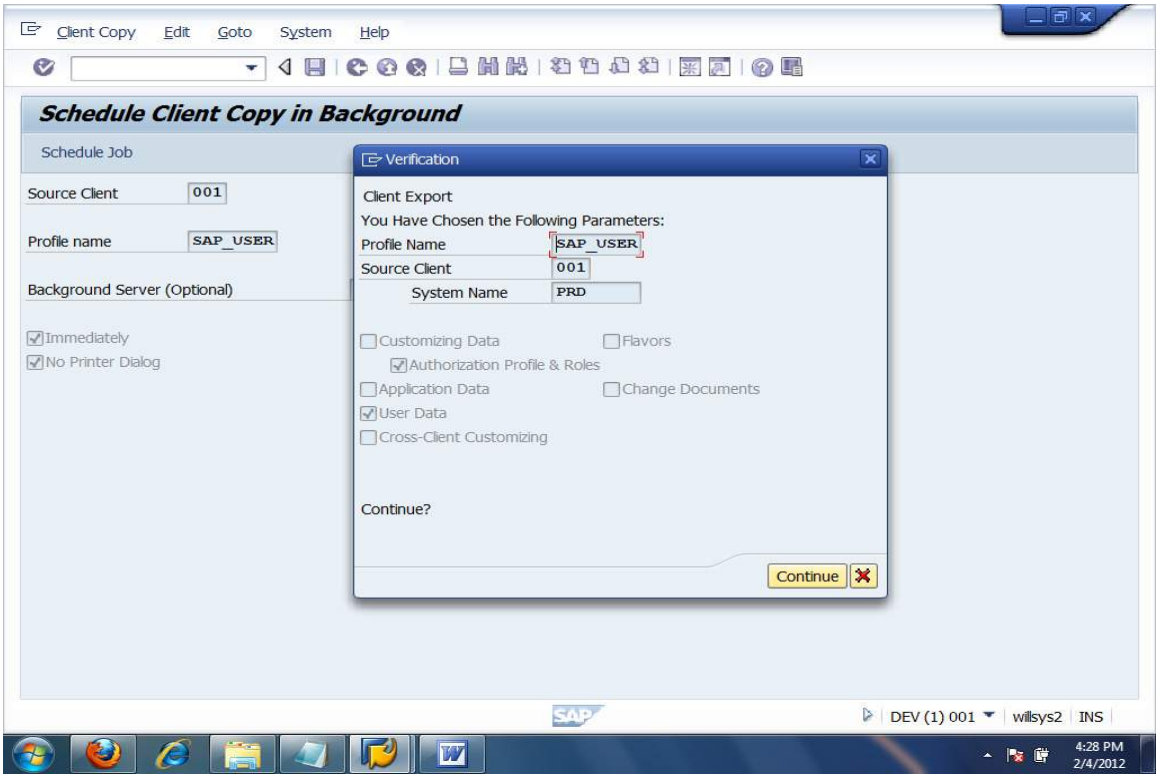


Select the Profile “SAP_USER” and specify the Target System as ‘DEV”→

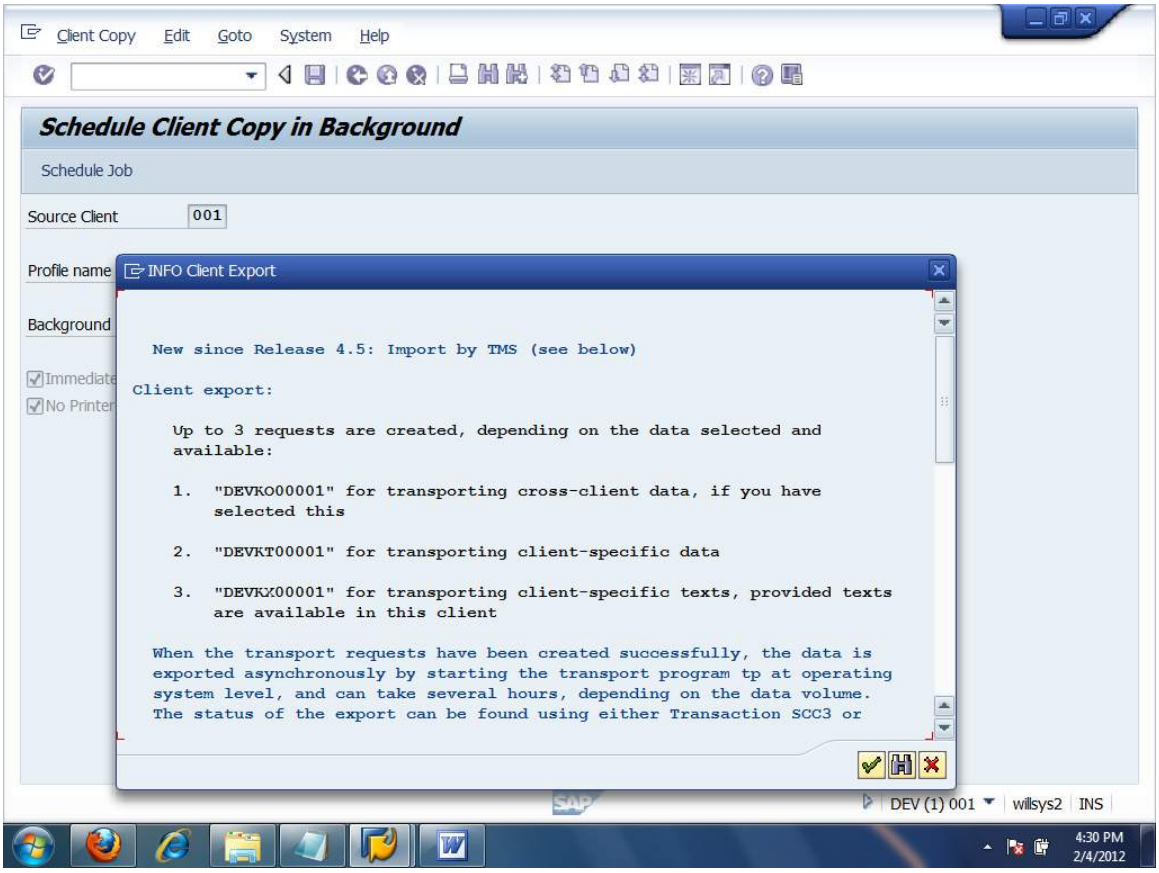


Specify the Background Server and click on “Schedule Job”→

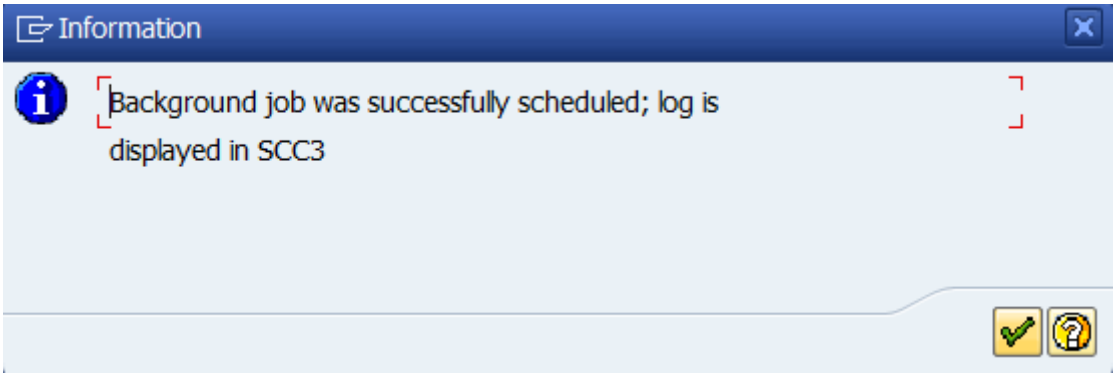




Click on “Continue”→



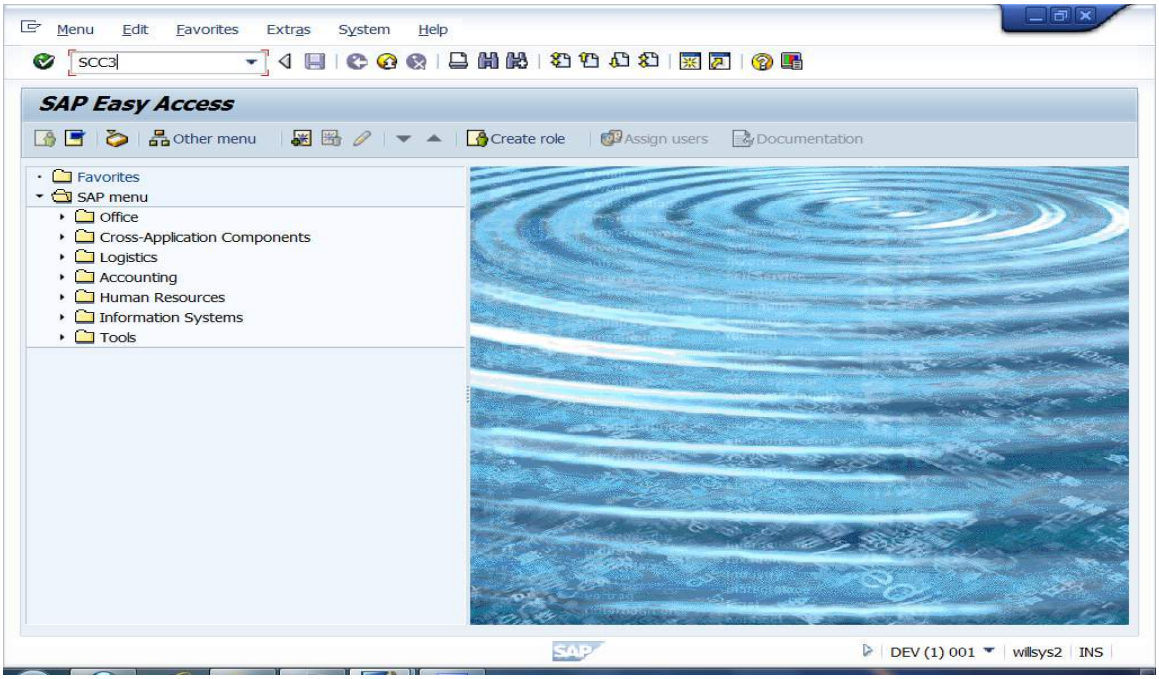
Click on "ok"→



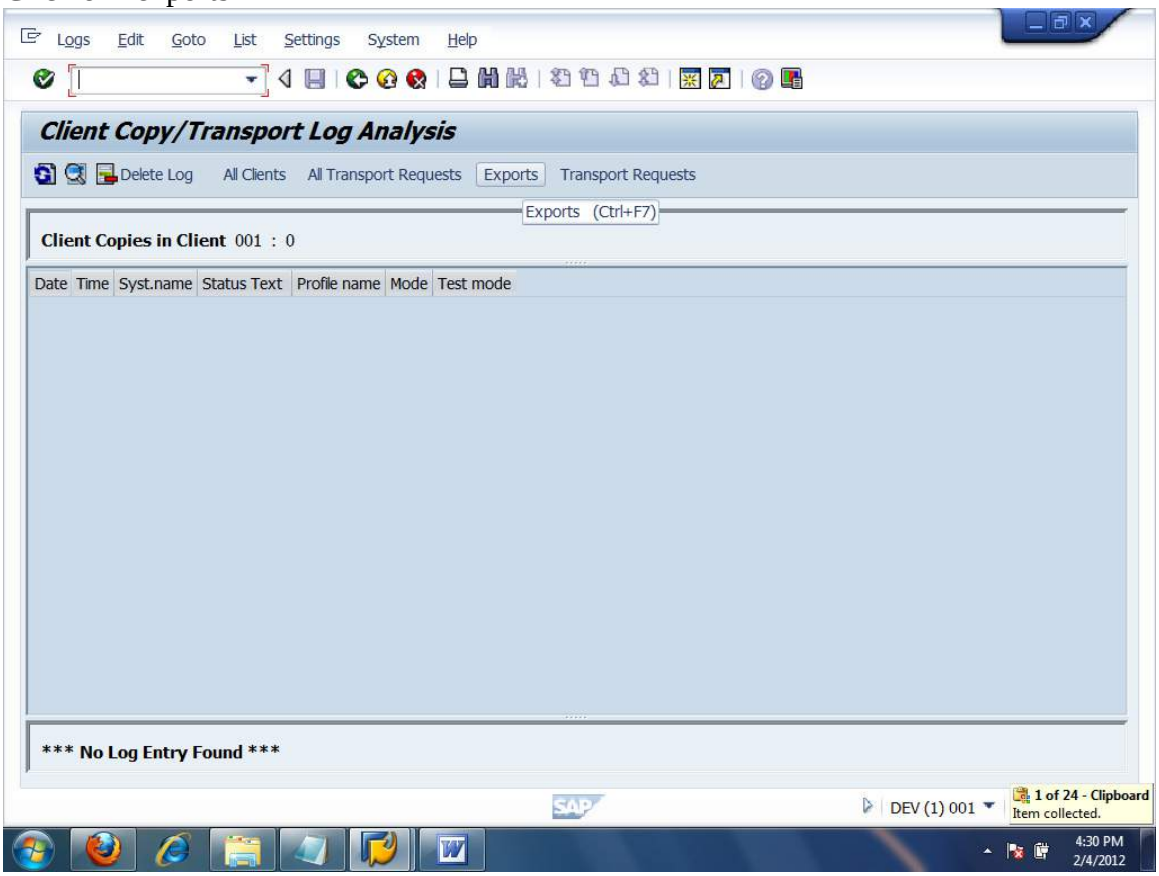
The Client Copy is successfully scheduled in the background.
We can check the logs in Transaction Code "SCC3".

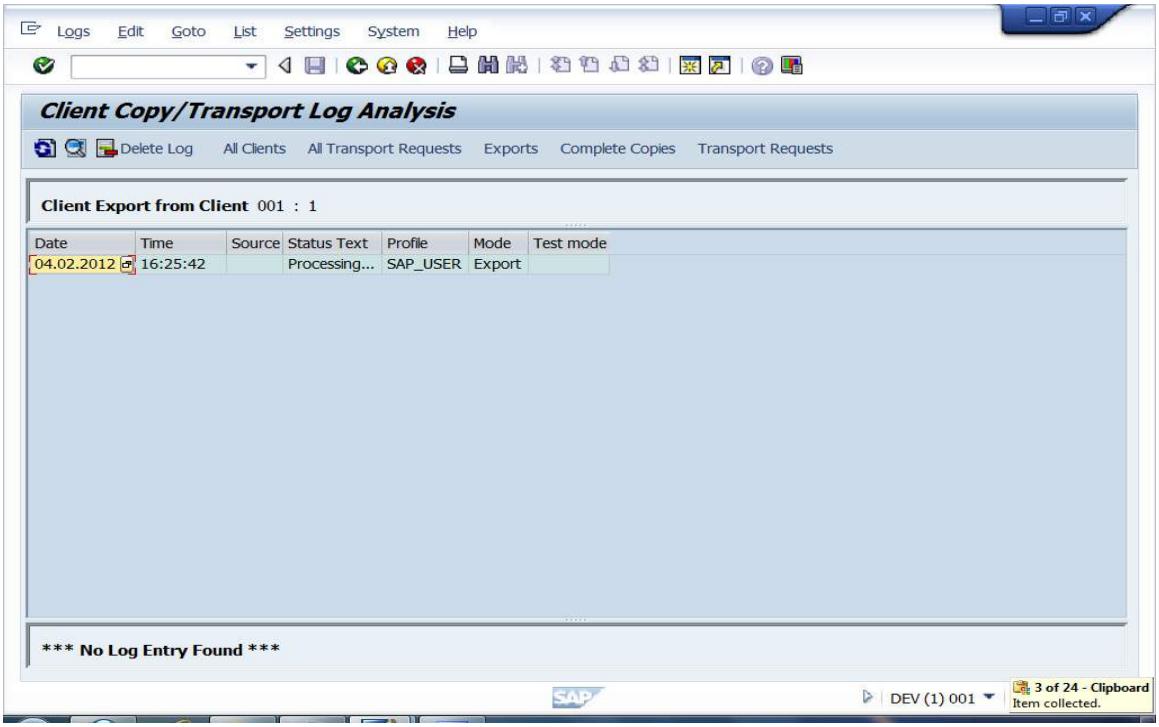
MONITORING:

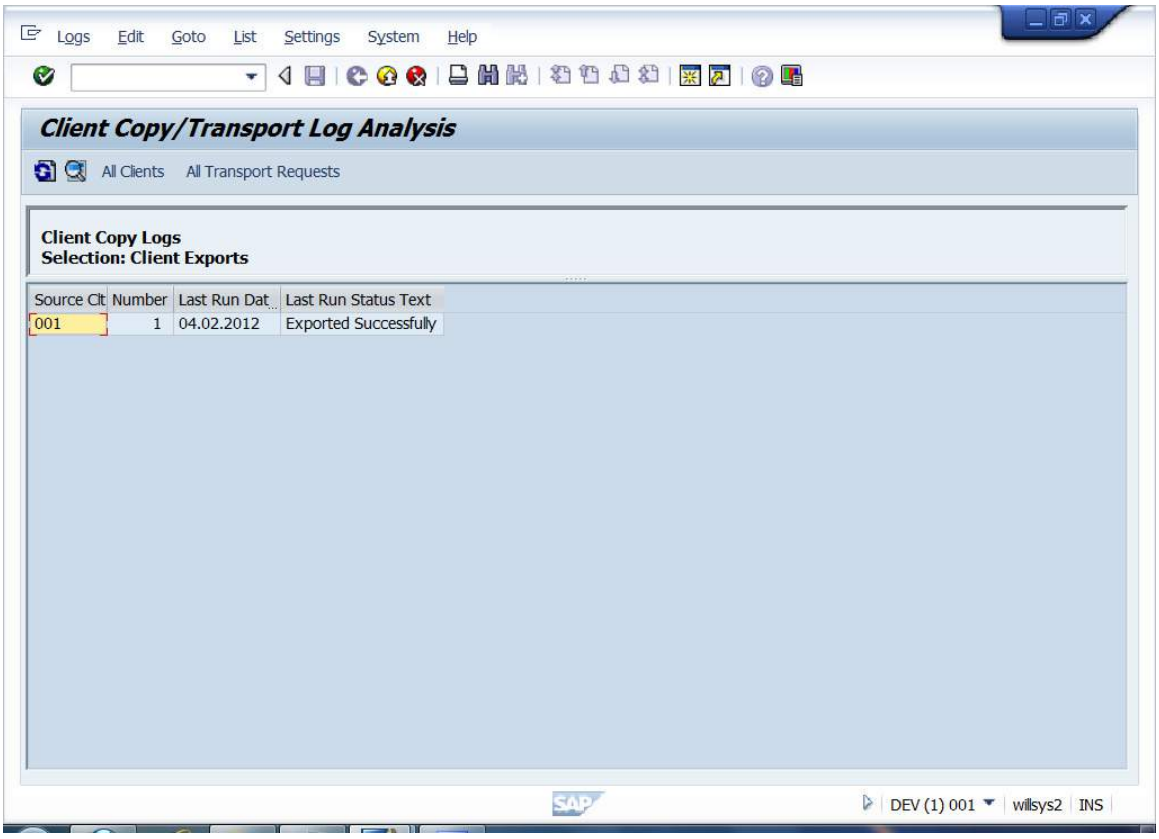
Execute Transaction Code "SCC3"→



Click on “exports”→

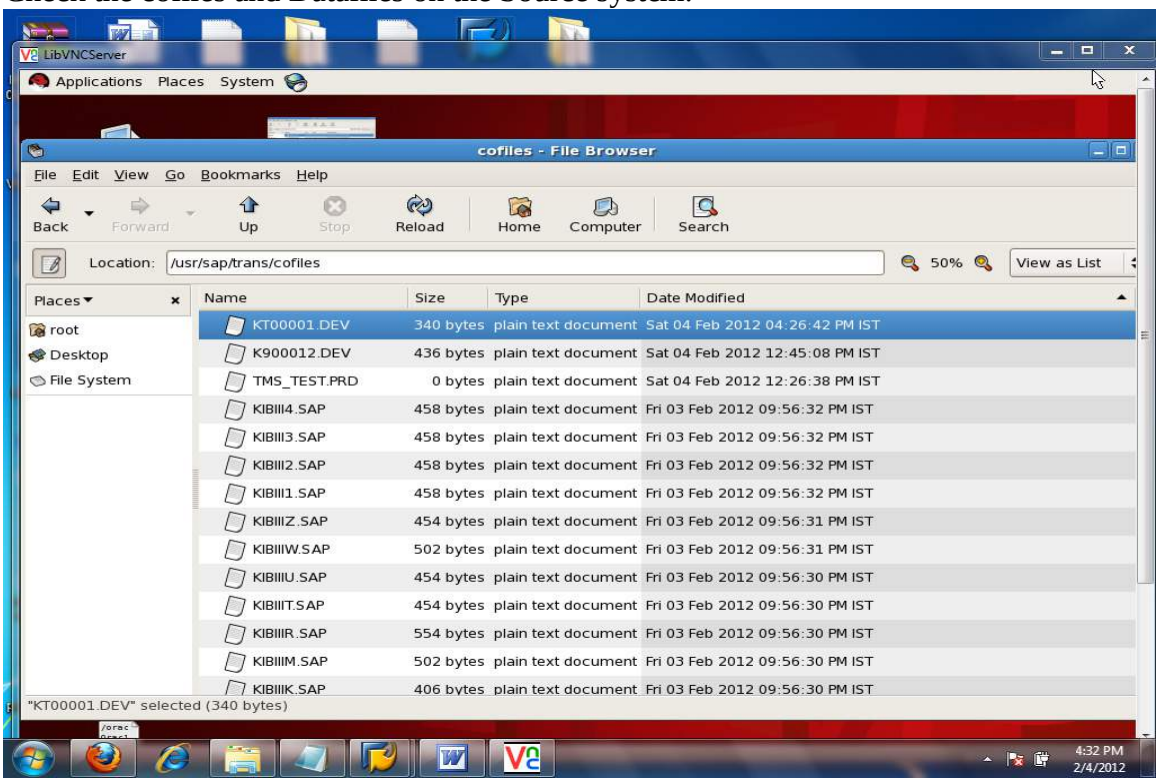


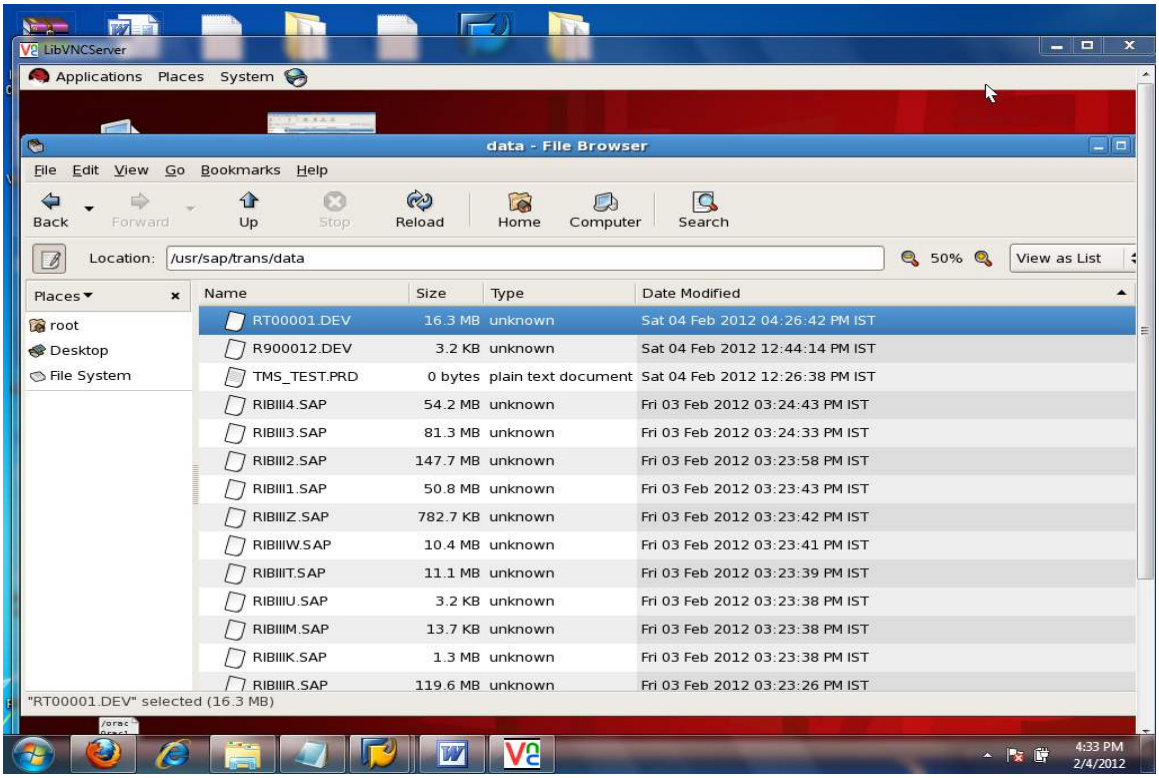




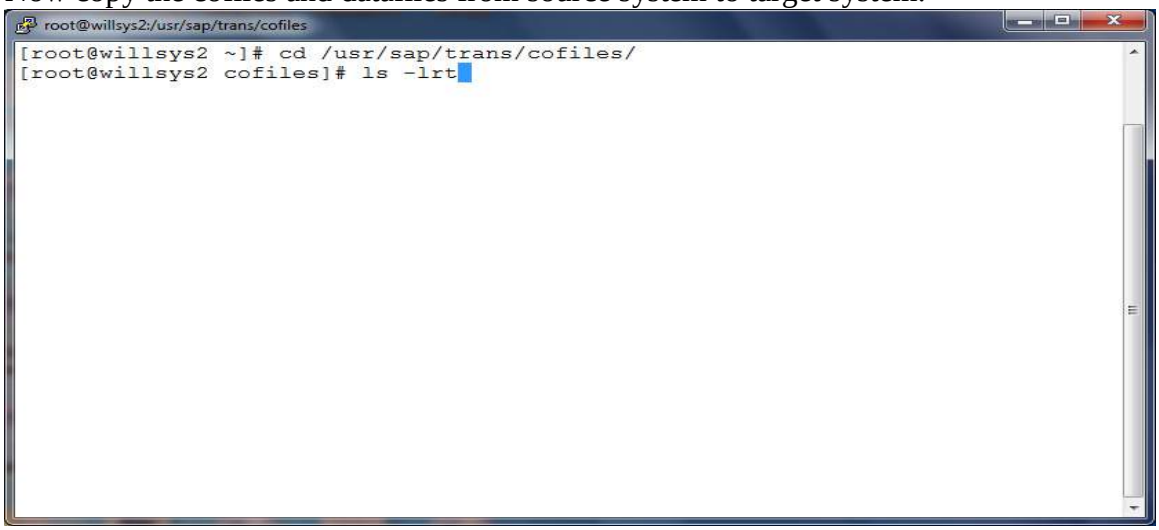
The Client is exported successfully.

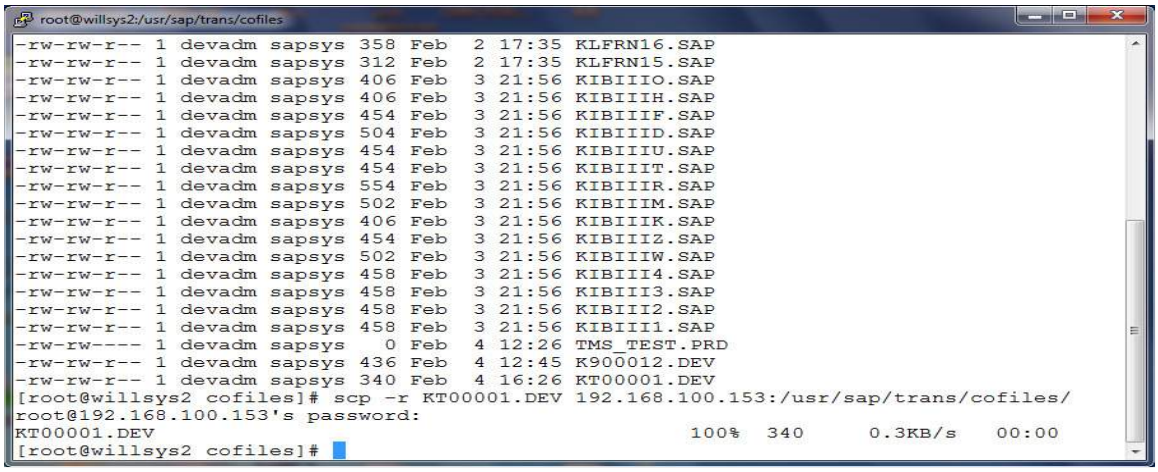
Check the cofiles and Datafiles on the Source system.

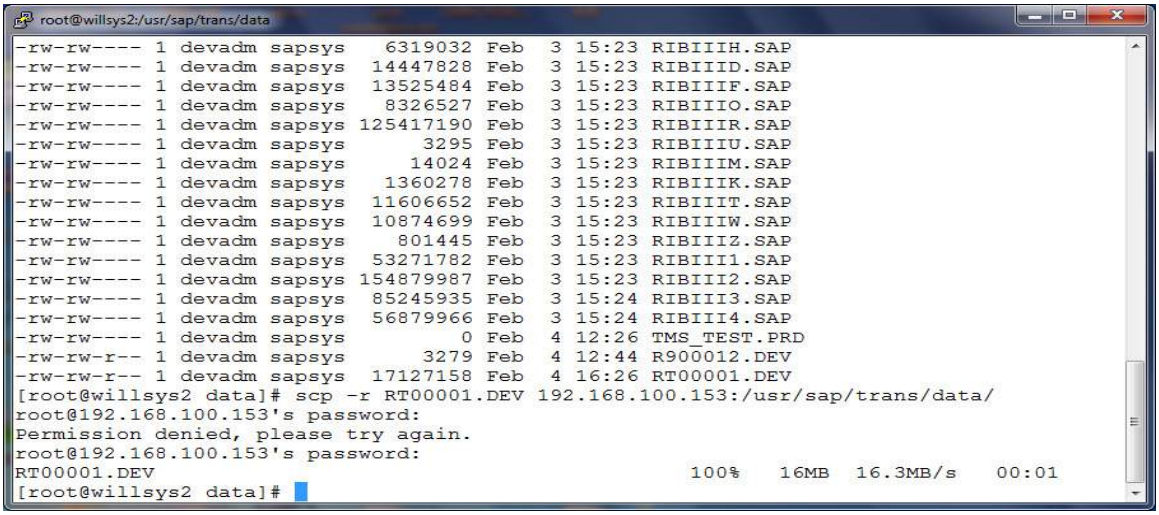




Now copy the cofiles and datafiles from source system to target system.

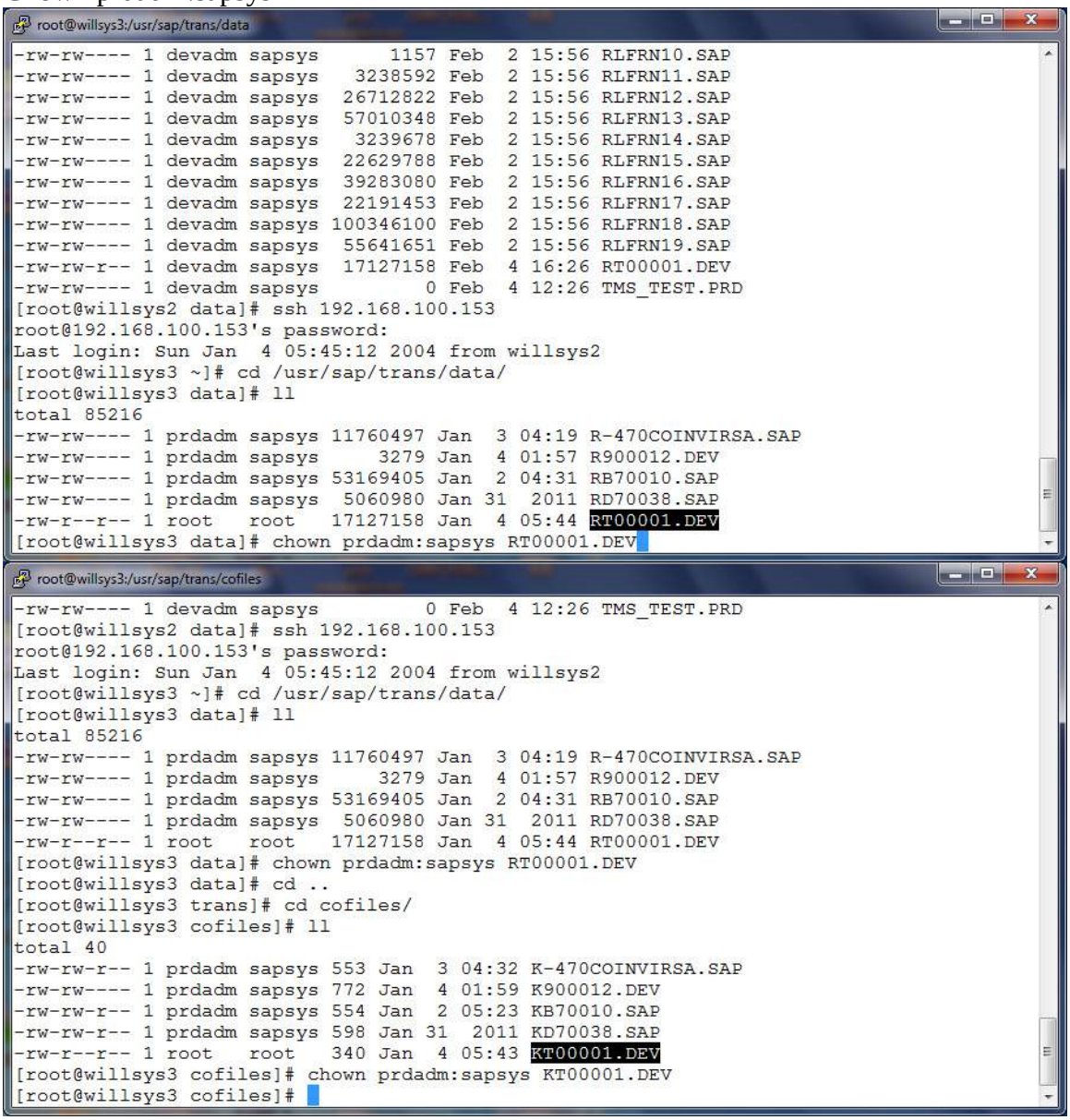




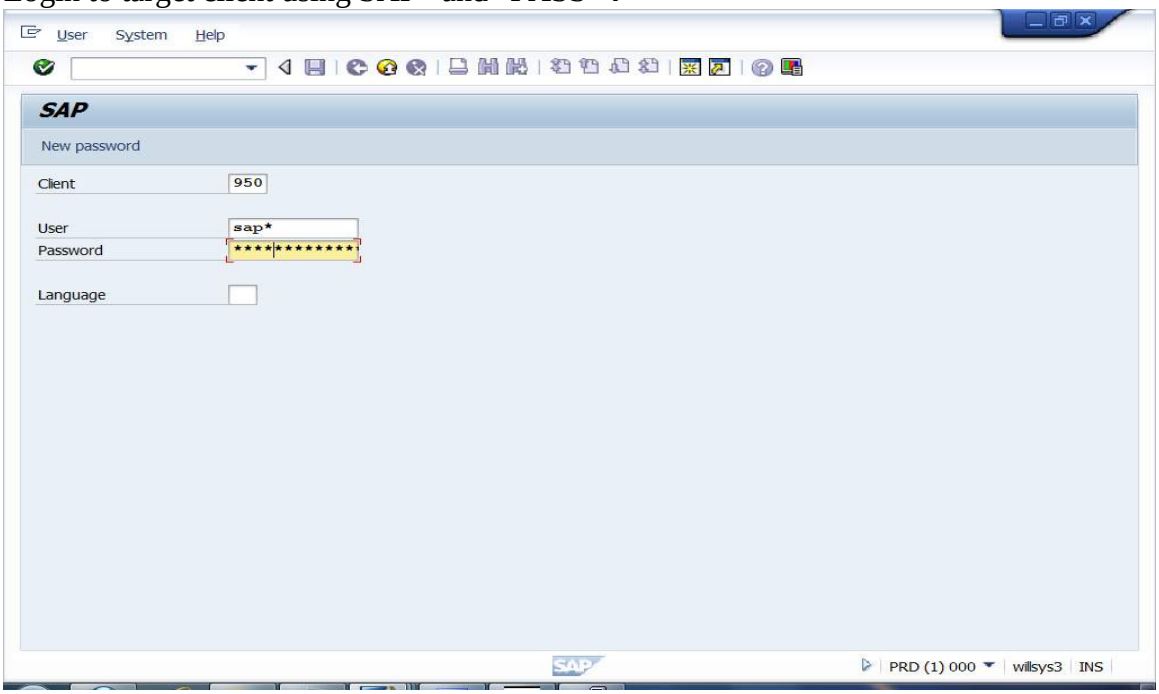


Specify the permissions as <SID>ADM

Chown prdadm:sapsys

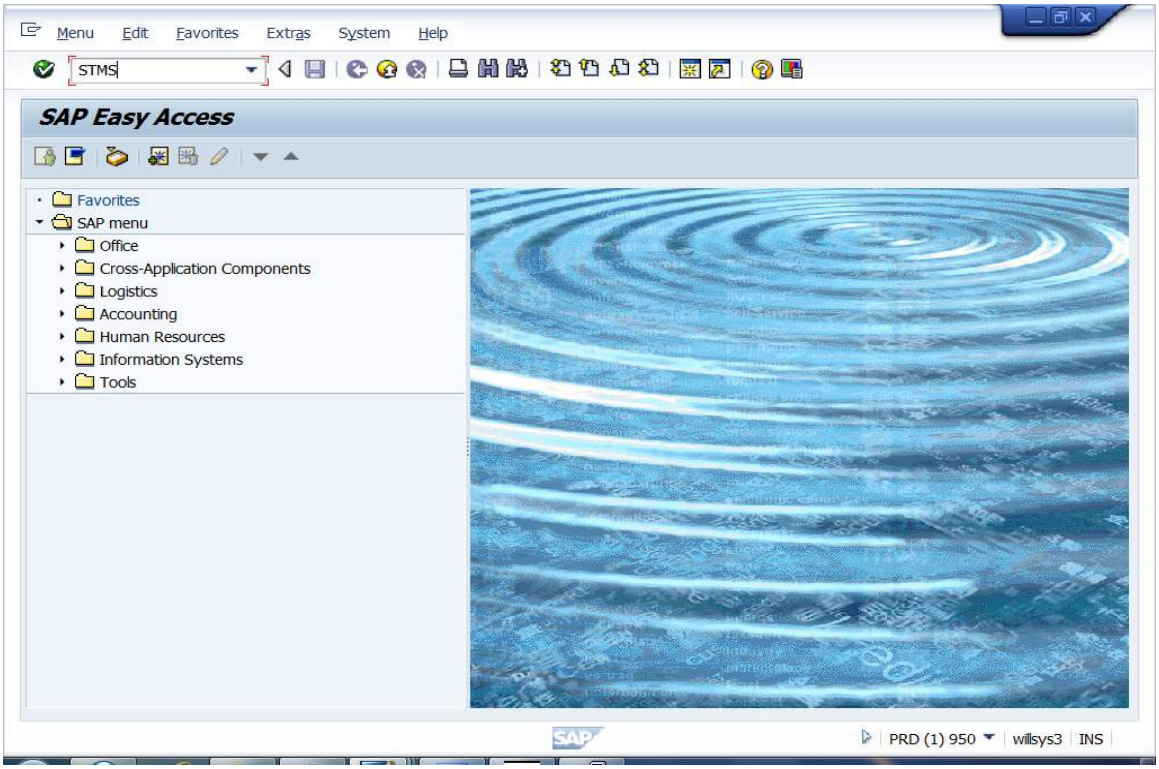


Login to target client using SAP* and “PASS”→

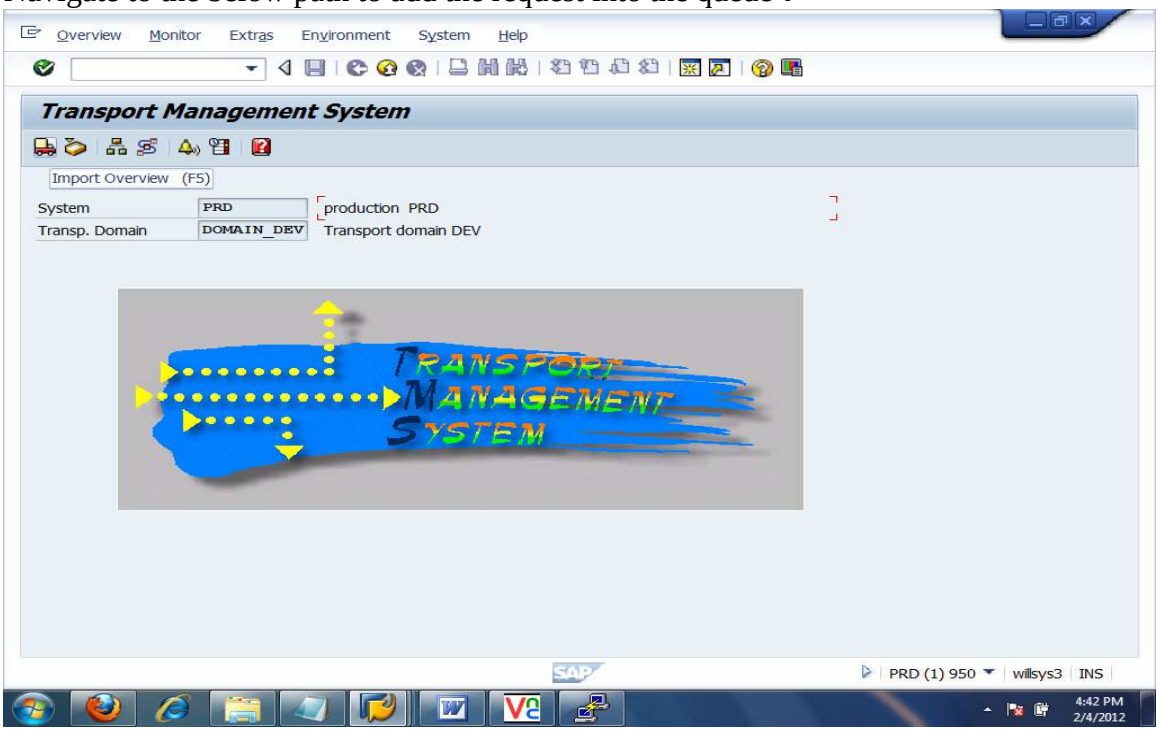


We need to include the request into the queue using STMS→

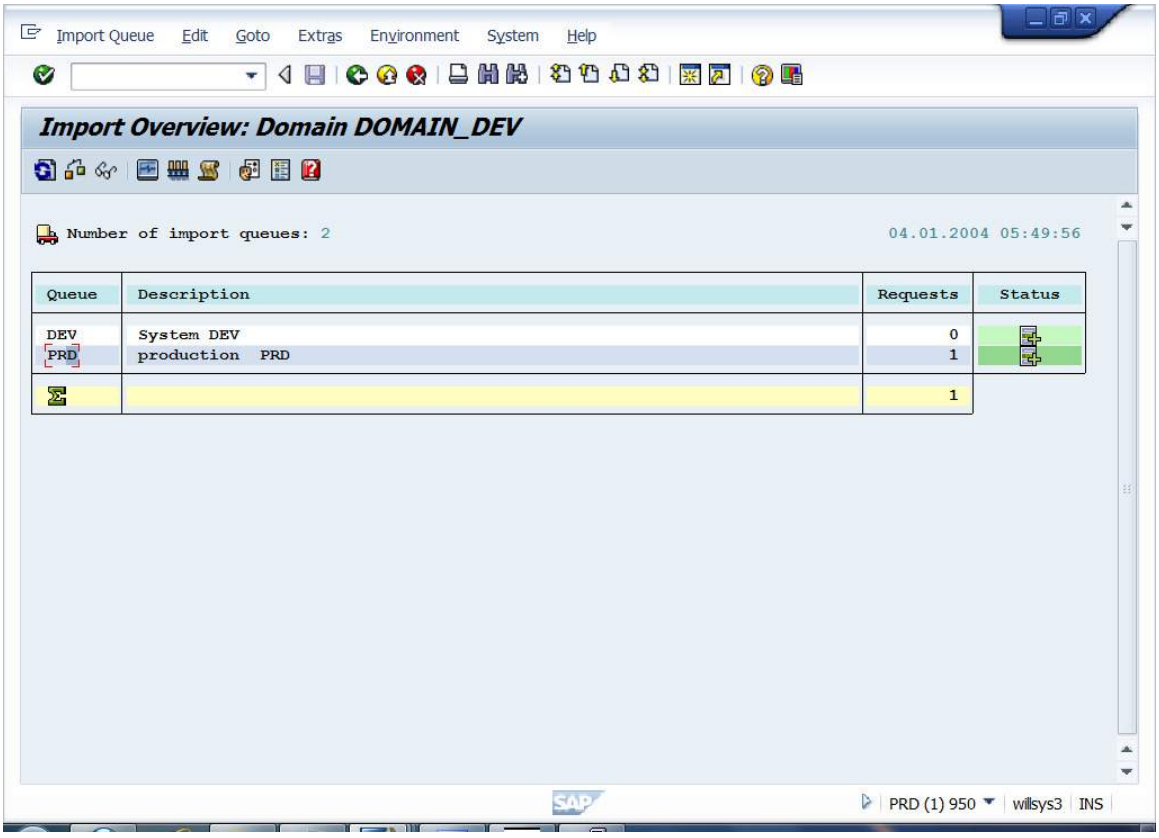
Execute Transaction Code “STMS”→



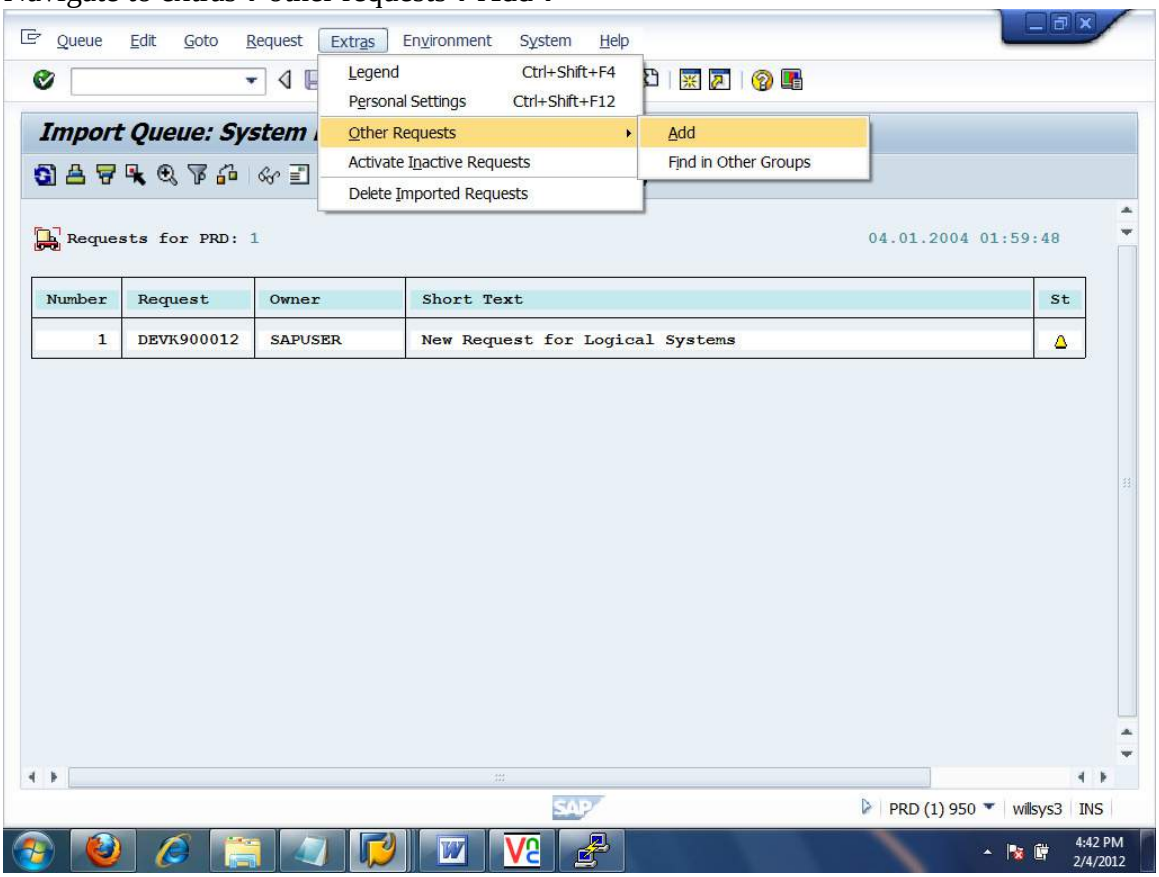
Navigate to the below path to add the request into the queue→



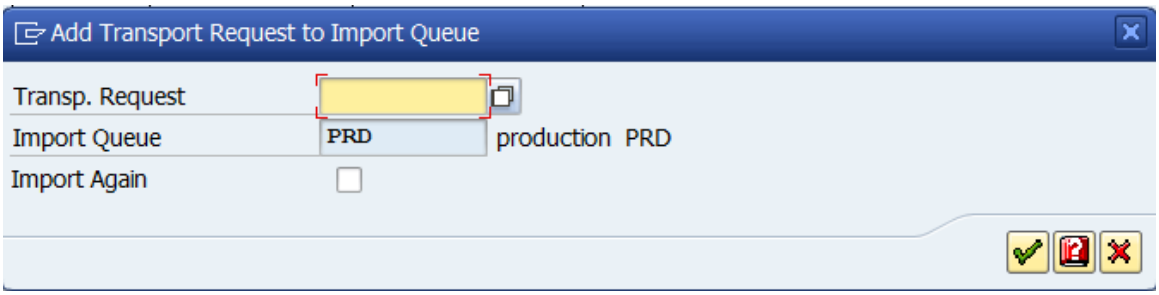
Double click on the PRD→

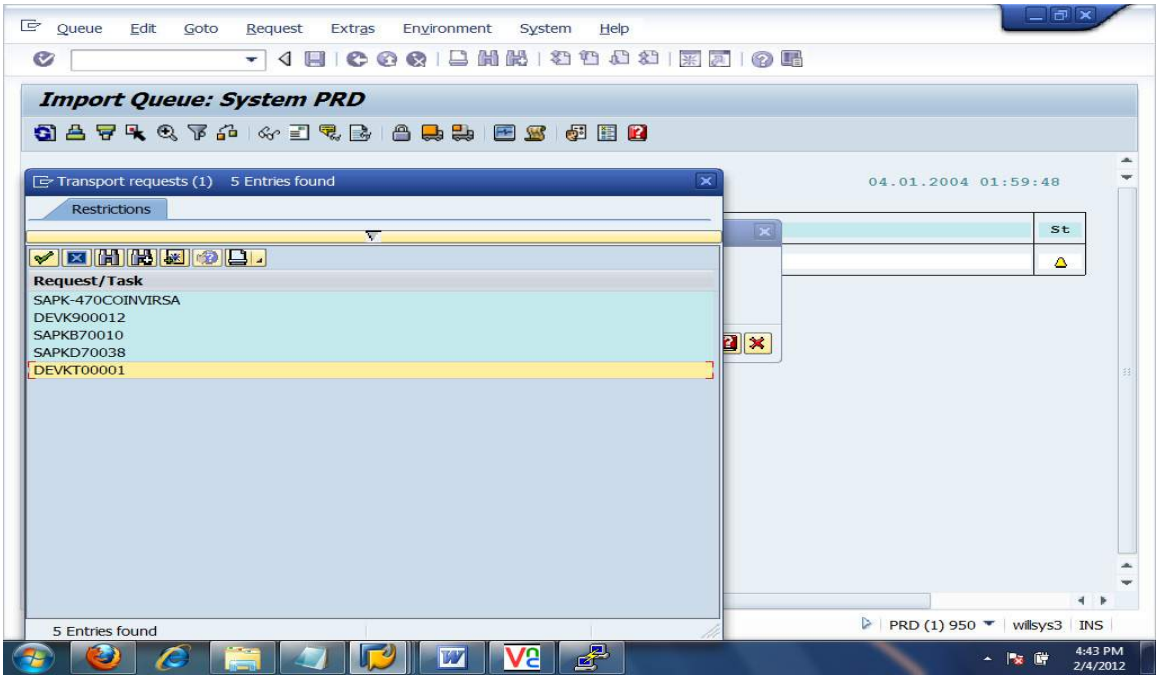


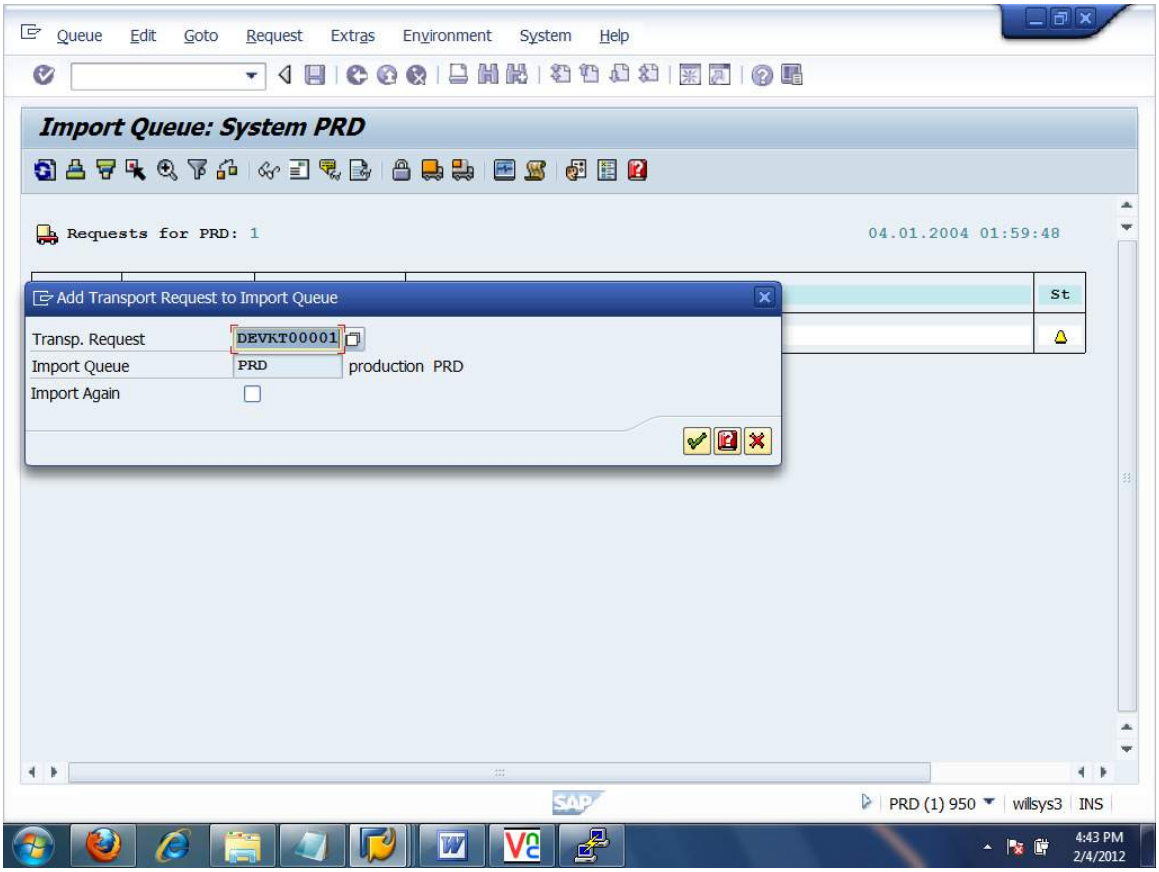
Navigate to extras→other requests→Add→

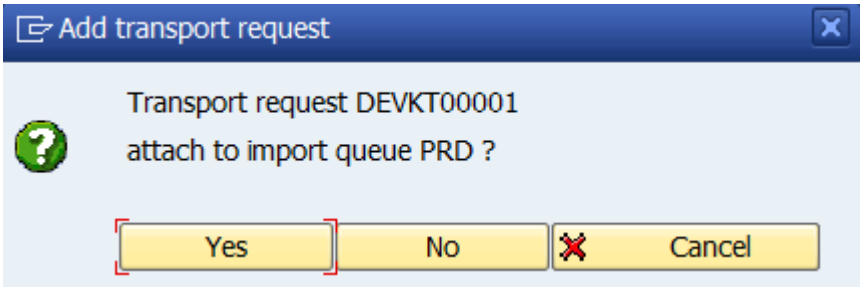


Select the Request and click on "ok"→

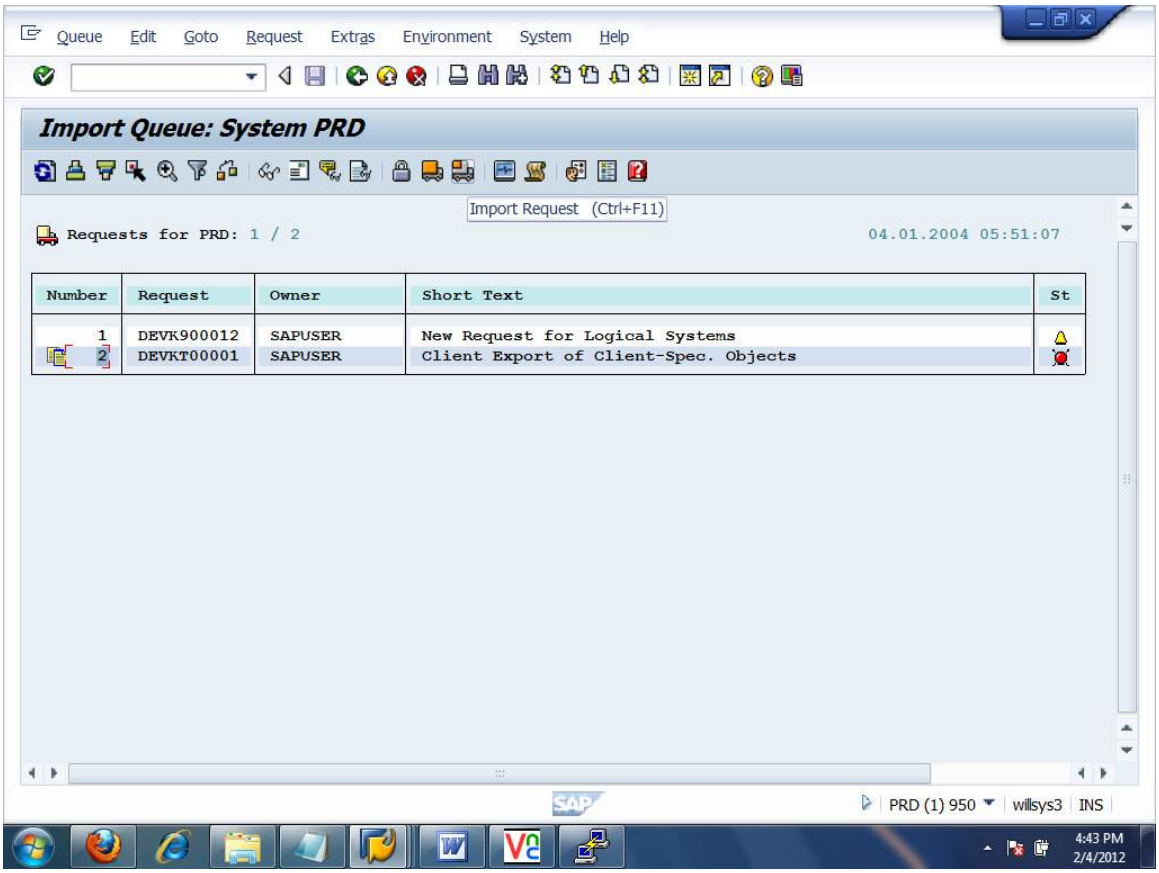



Queue Edit Goto Request Extras Environment System Help
Import Queue: System PRD
Transport requests (1) 5 Entries found
Restrictions
04.01.2004 01:59:48
Request/Task
SAPK-470COINVIRSA
DEVK900012
SAPKB70010
SAPKD70038
DEVKT00001
5 Entries found
PRD (1) 950 willsys3 INS
4:43 PM
2/4/2012

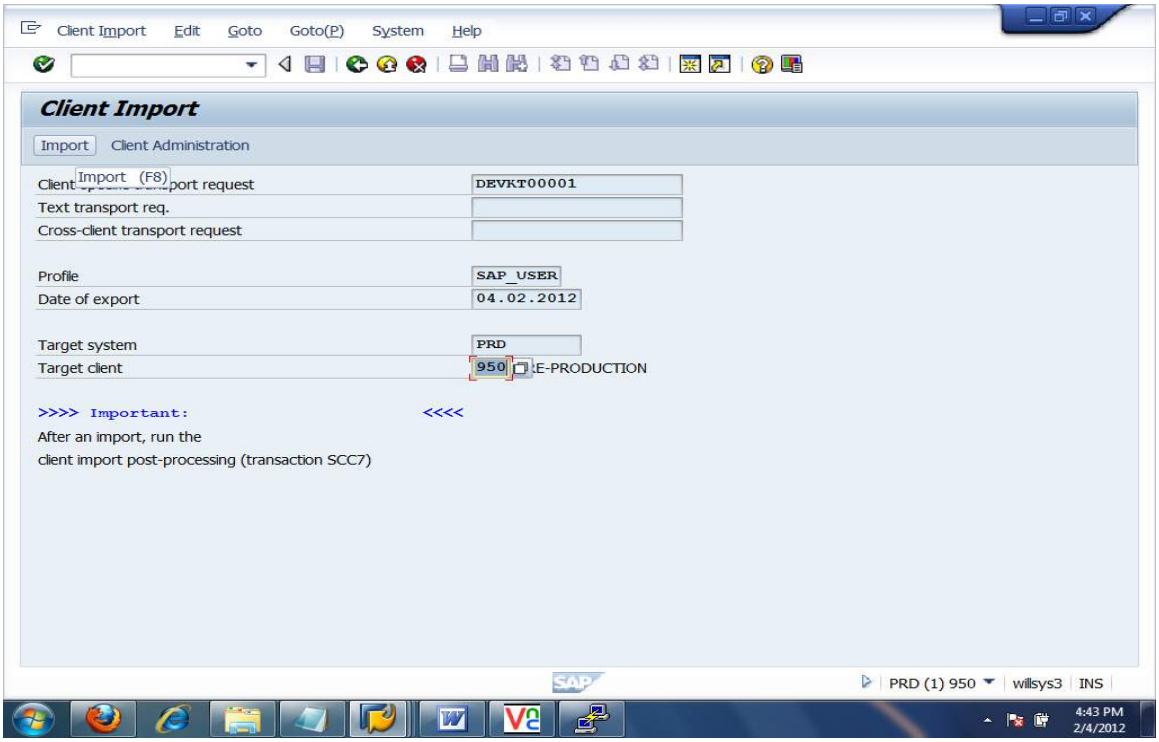

Queue Edit Goto Request Extras Environment System Help
Import Queue: System PRD
Requests for PRD: 1
04.01.2004 01:59:48
Add Transport Request to Import Queue
Transp. Request DEVKT00001
Import Queue PRD production PRD
Import Again
PRD (1) 950 willsys3 INS
4:43 PM
2/4/2012



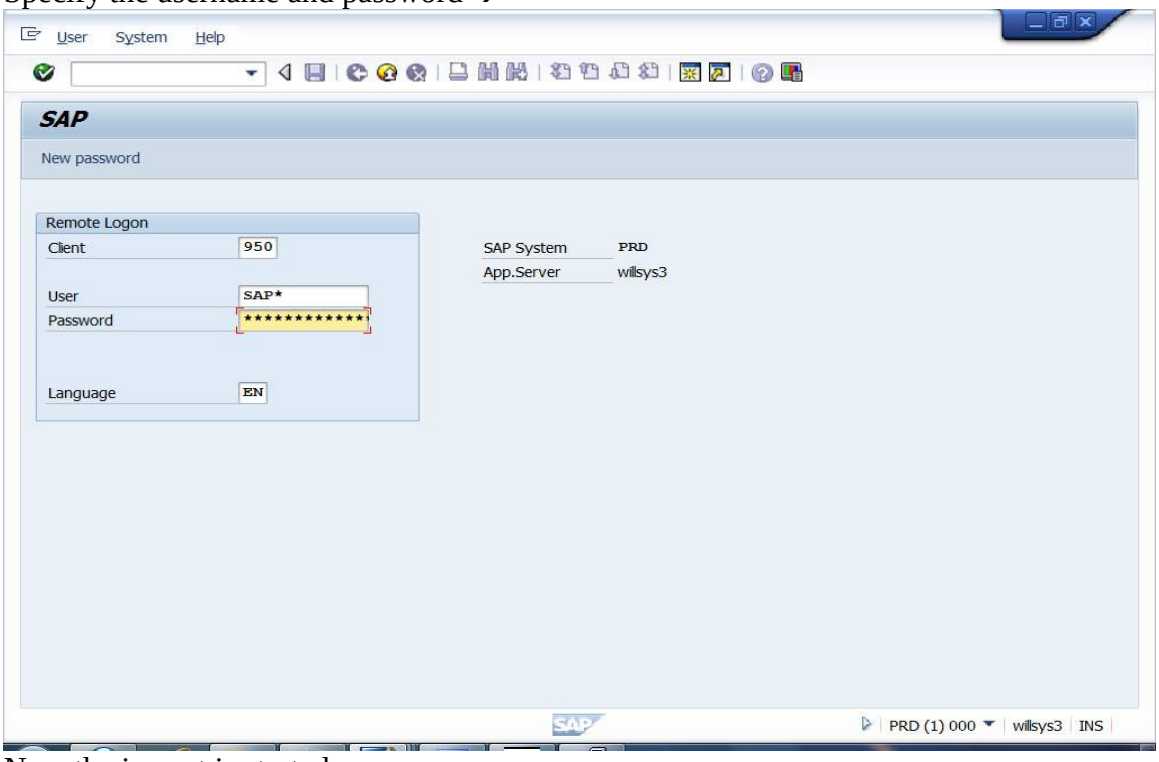
Click on "Yes"→



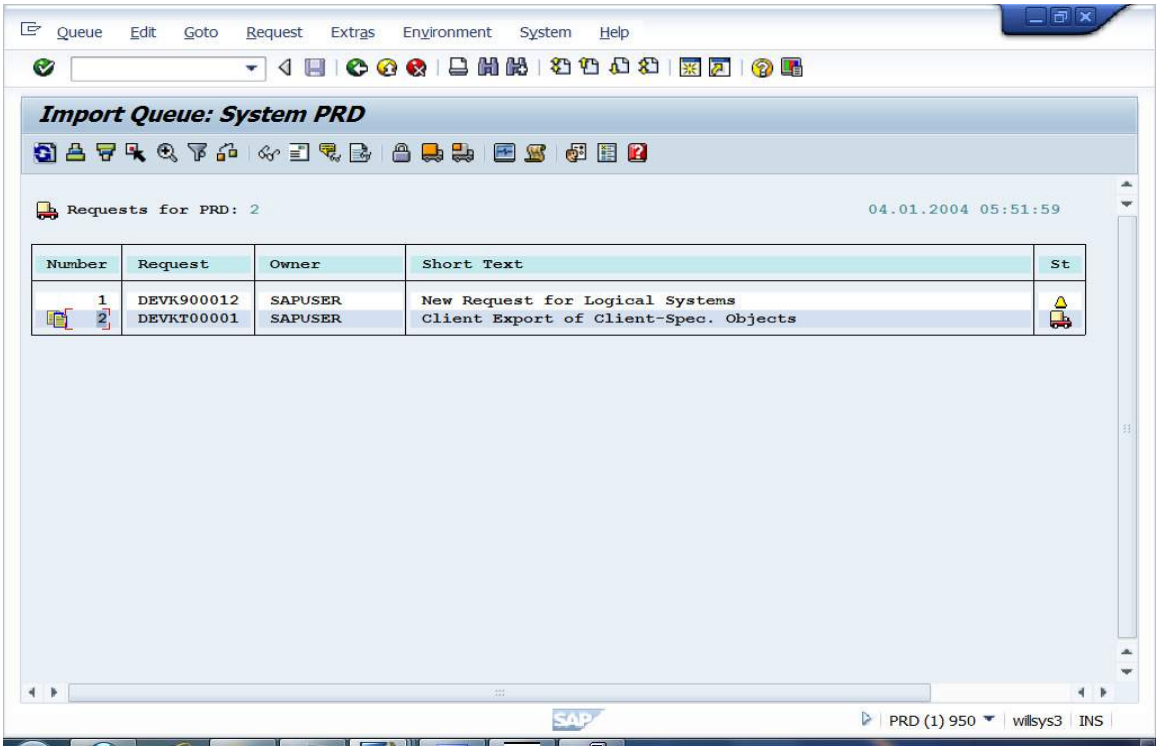
Click on Semi Loaded Truck to Import→

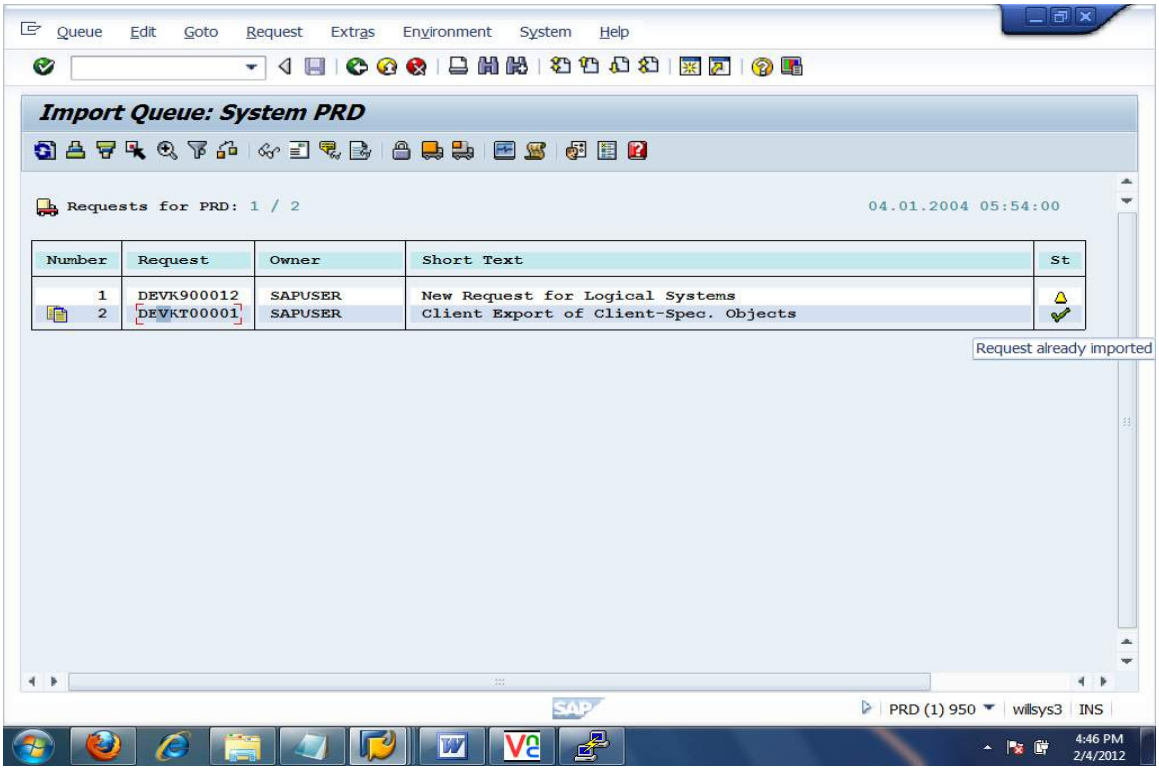


Specify the target client and click on “Import”→
Specify the username and password →

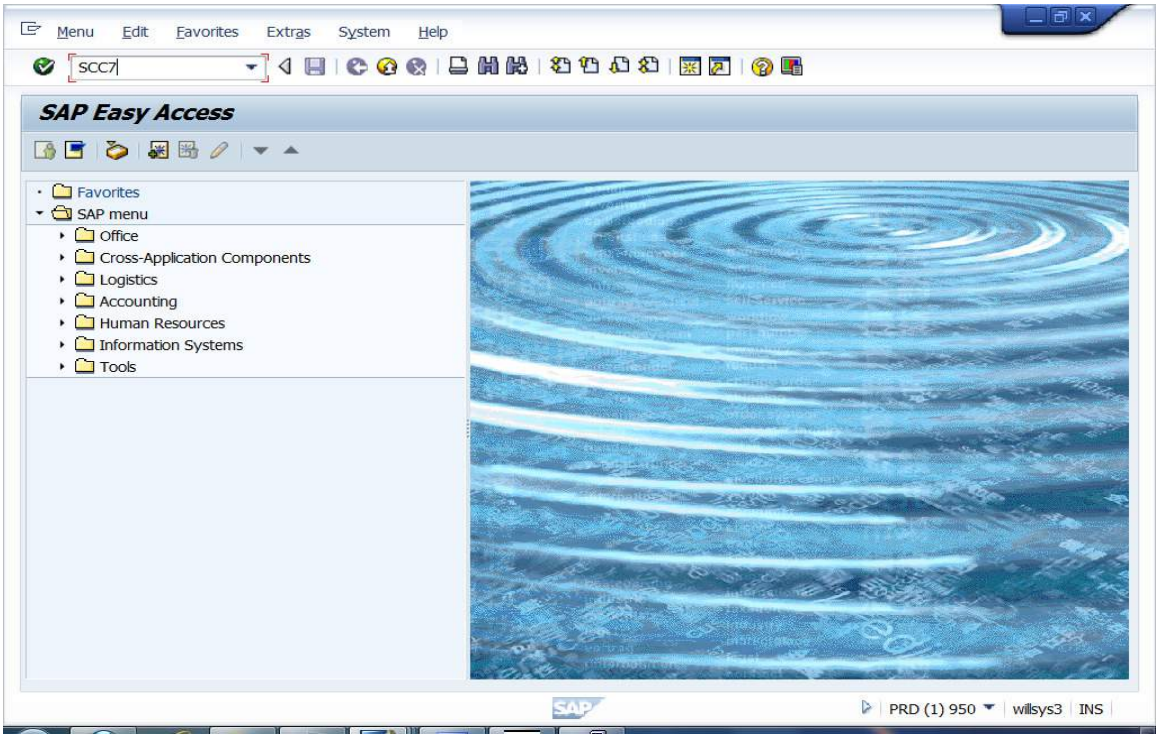


Now the import is started

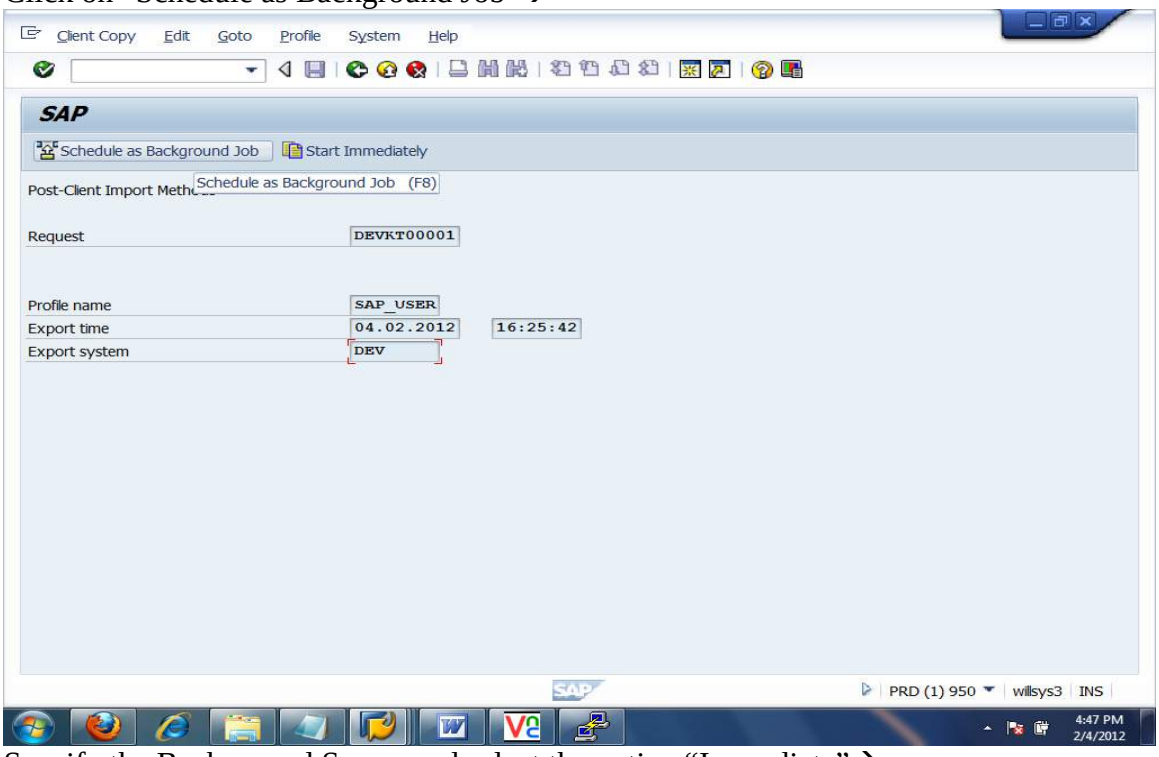




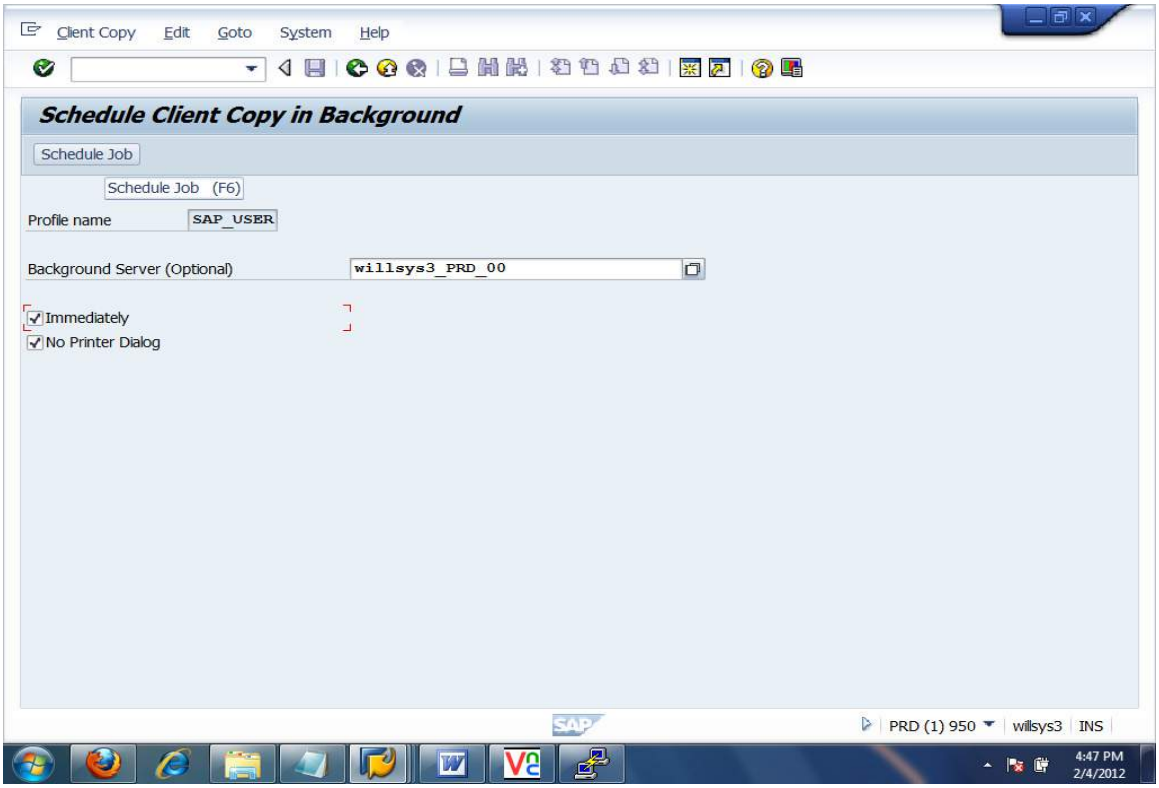
Request Imported Successfully
Now Execute Transaction Code “SCC7”→

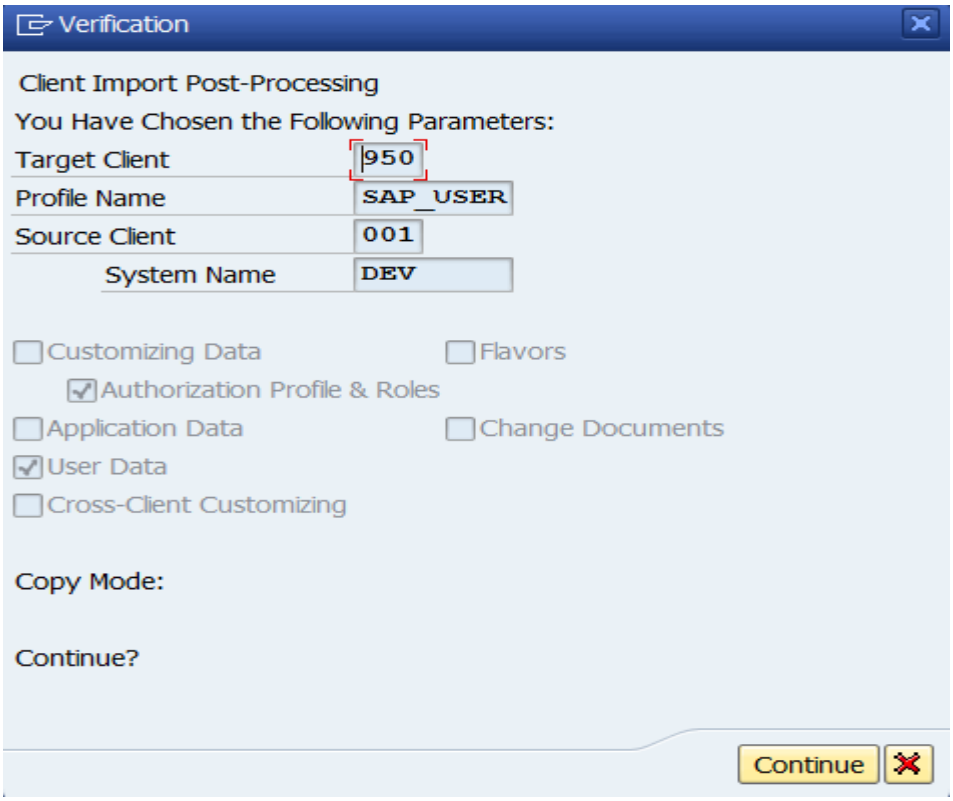


Click on “Schedule as Background Job”→

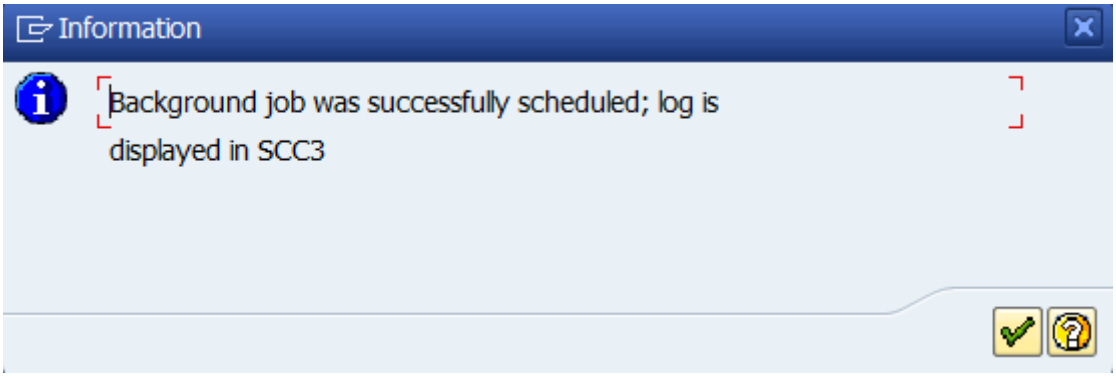


Specify the Background Server and select the option “Immediate”→
Click on “Schedule Job”→


Client Copy
Edit
Goto
System
Help
Schedule Client Copy in Background
Schedule Job
Schedule Job (F6)
Profile name
SAP_USER
Background Server (Optional)
willsys3_PRD_00
Immediately
No Printer Dialog
PRD (1) 950
willsys3
INS
4:47 PM
2/4/2012


Verification
Client Import Post-Processing
You Have Chosen the Following Parameters:
Target Client
950
Profile Name
SAP_USER
Source Client
001
System Name
DEV
Customizing Data
Flavors
Authorization Profile & Roles
Application Data
Change Documents
User Data
Cross-Client Customizing
Copy Mode:
Continue?
Continue

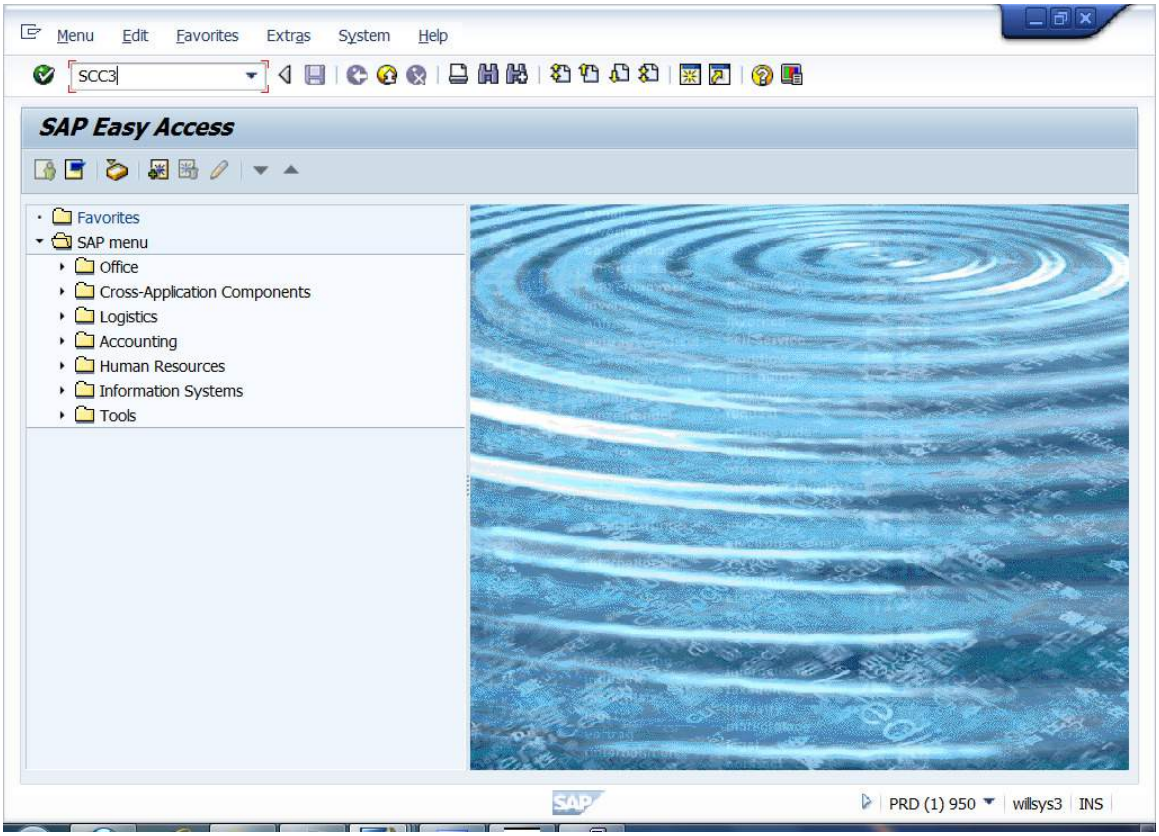
Click on “continue”→



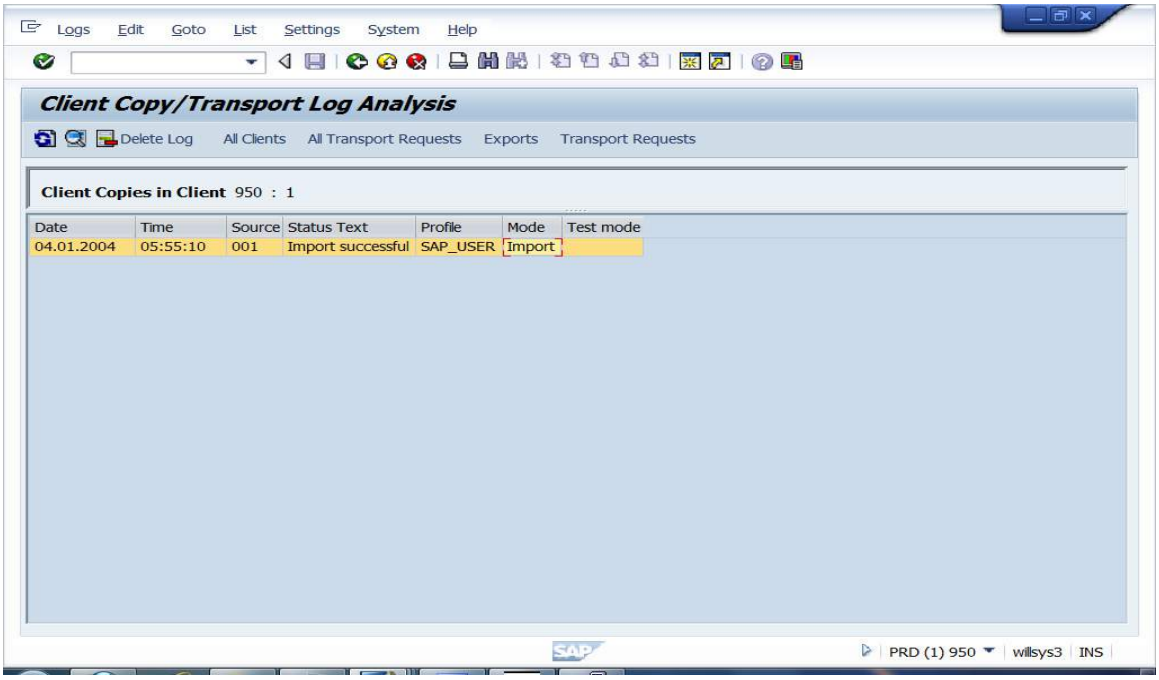
Click on “ok’→

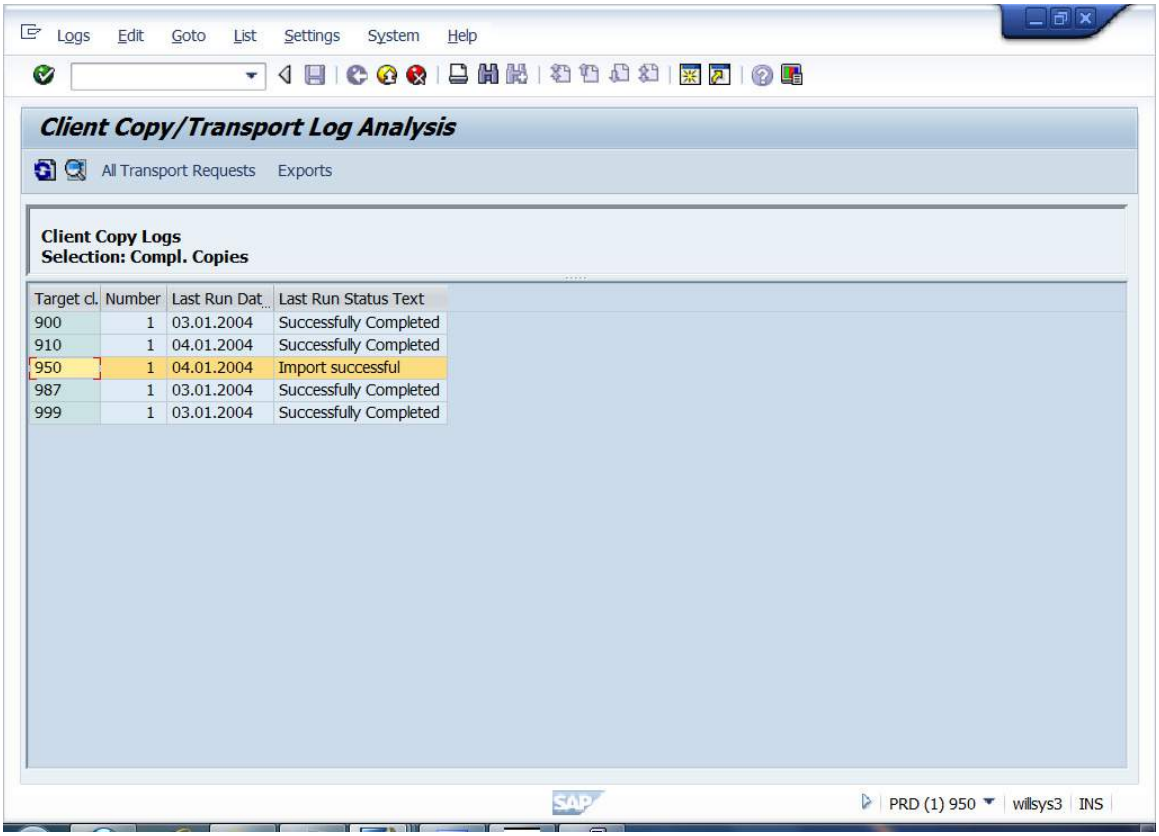
MONITORING: SCC3

Execute Transaction Code “SCC3”→



Double click to check the Number of Tables and status→





Client is Imported Successfully.
Client Copy using Export and Import Method is Done Successfully.

Related Content:

www.help.sap.com

www.sdn.sap.com/irj/sdn/index.

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