

SAP Basis

SAP Client

Administration

SAP Basis - SAP Client Administration

Let us first understand what a client is before we move on to SAP client administration.

A client is used in SAP system for multiple login on single instance. You can create multiple clients on a single instance. It also provides data security wherein, one user with one client cant see the data of the other user with another client. In addition, there is no need to install the software for each and every user.

Advantages of Client Concept

Client concept comes in with the following advantages –

- You can share the same resources between multiple users.
- You can manage SAP system landscape as you can create multiple clients for DEV, QA and PROD team.
- You can share your SAP system with a large number of users.
- You can create clients in SAP system from 000-999.

SAP system comes with the following three standard clients –

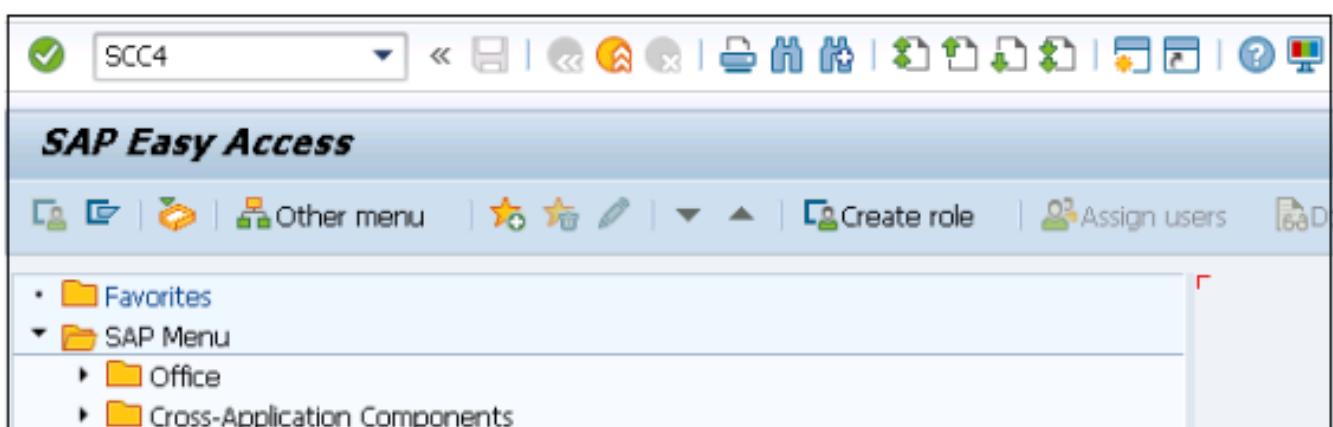
- 000 Client – This is called master client and is available when you install R/3 system.
- 001 Client – This client is a copy of 000 client including the test company. This client is used to create new clients normally.
- 066 Client – This is called SAP Early watch and is used for diagnostic scans and monitoring service in SAP system.

Client	Name	City	Crcy	Changed on	
000	SAP AG Konzern	Walldorf	EUR		
001	SAP AG Konzern	Walldorf	EUR	12.09.2015	
066	Test EarlyWatch Profiles	Walldorf	EUR	20.06.2003	

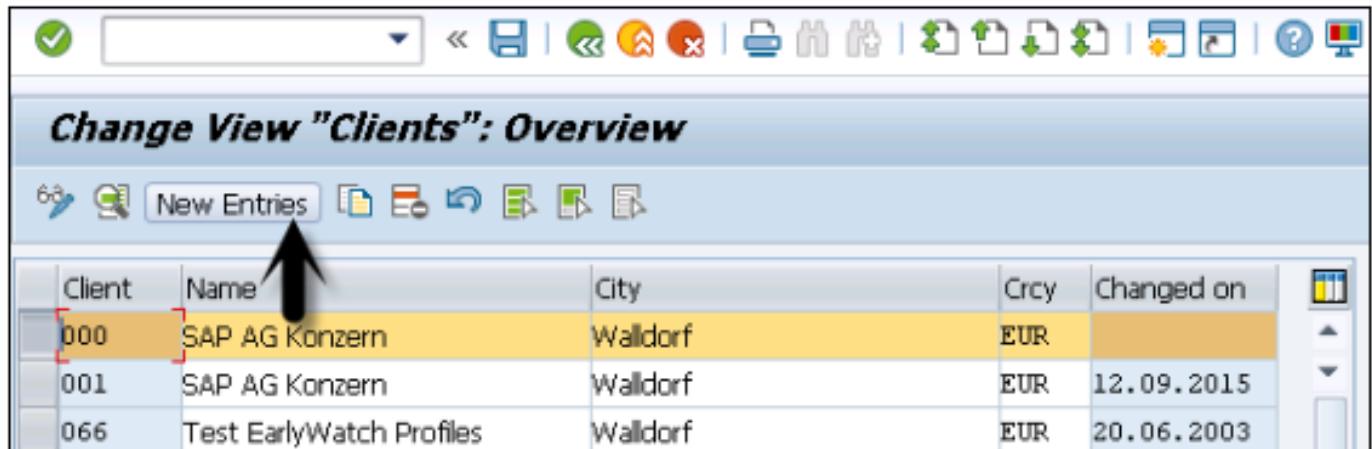
Steps to Create a New Client in SAP

Follow these steps to create a new client in SAP system –

Step 1 – Start by using transaction code SCC4



Step 2 – To create a new client, enter the below details after clicking on New Entries.

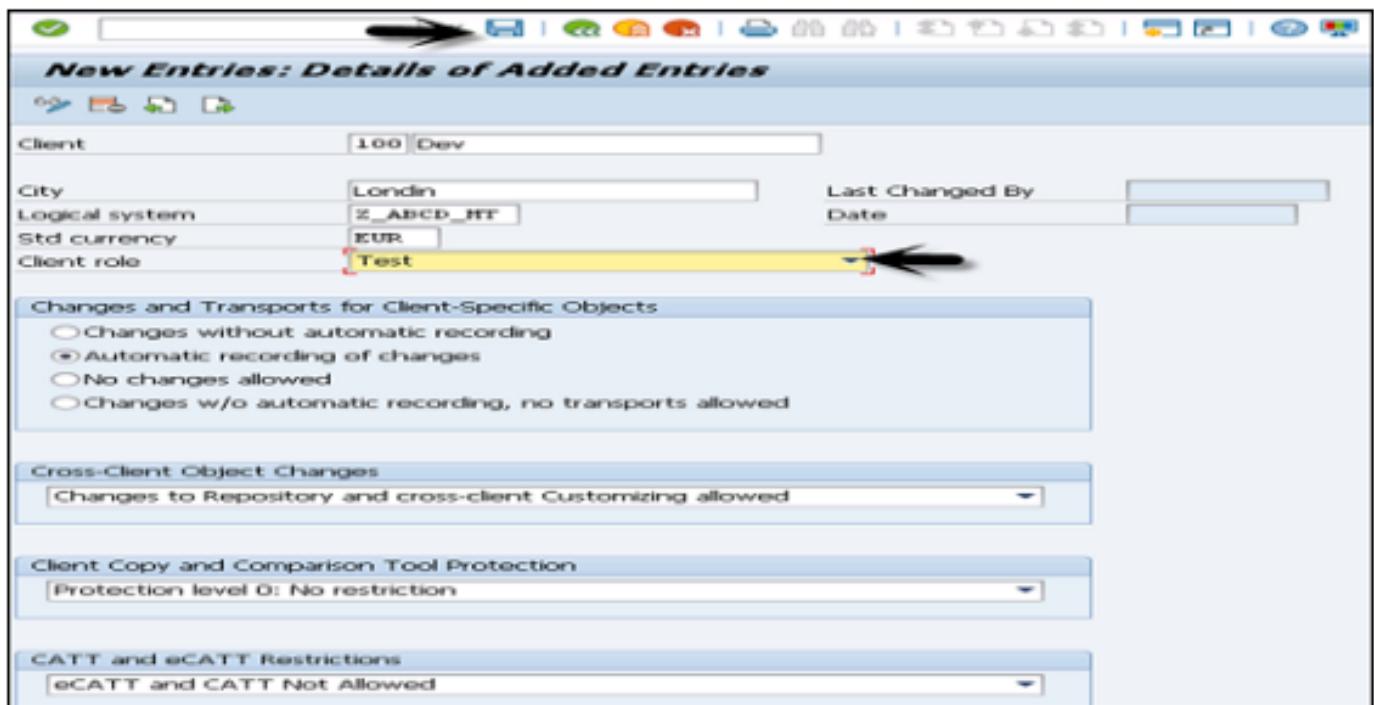


The screenshot shows the SAP Fiori Client Overview screen. At the top, there's a toolbar with various icons. Below it, the title "Change View 'Clients': Overview" is displayed. Underneath the title, there's a navigation bar with icons and the text "New Entries". A large black arrow points upwards from the bottom of the "New Entries" text towards the "New Entries" button in the toolbar. The main area is a table with columns: Client, Name, City, Crcy, and Changed on. There are four rows of data:

Client	Name	City	Crcy	Changed on
000	SAP AG Konzern	Walldorf	EUR	
001	SAP AG Konzern	Walldorf	EUR	12.09.2015
066	Test EarlyWatch Profiles	Walldorf	EUR	20.06.2003

- Client number and name
- City
- Currency, Roles

Step 3 – Enter your client-specific data and set permission for the clients as per your requirement and click on Save.



The screenshot shows the "New Entries: Details of Added Entries" configuration screen. At the top, there's a toolbar with various icons. The main area contains several input fields and dropdown menus:

- Client: 100 Dev
- City: London
- Logical system: Z_ABCD_ITF
- Std currency: EUR
- Client role: Test (highlighted with a yellow background and a red arrow pointing to it)

Below these fields is a section titled "Changes and Transports for Client-Specific Objects" with the following options:

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

Further down are sections for "Cross-Client Object Changes" (Changes to Repository and cross-client Customizing allowed), "Client Copy and Comparison Tool Protection" (Protection level 0: No restriction), and "CATT and eCATT Restrictions" (eCATT and CATT Not Allowed).

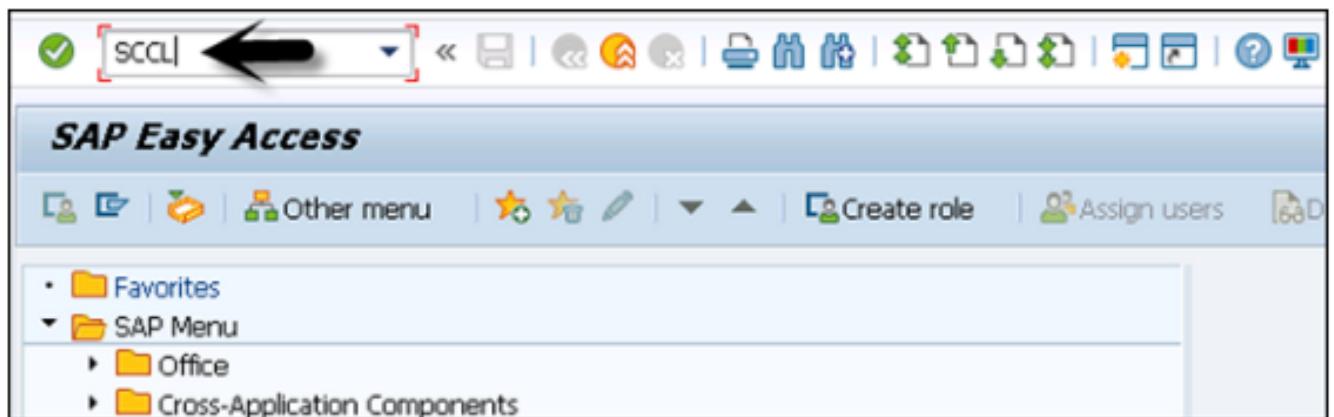
Step 4 – Now, if you go to the Display Client list, Transaction SCC4 > Display > New client will be added.

Client	Name	City	Ctry	Changed on
000	SAP AG Konzern	Walldorf	EUR	
001	SAP AG Konzern	Walldorf	EUR	12.09.2015
066	Test EarlyWatch Profiles	Walldorf	EUR	20.06.2003
100	Dev	Londin	EUR	12.09.2015

Local and Remote System

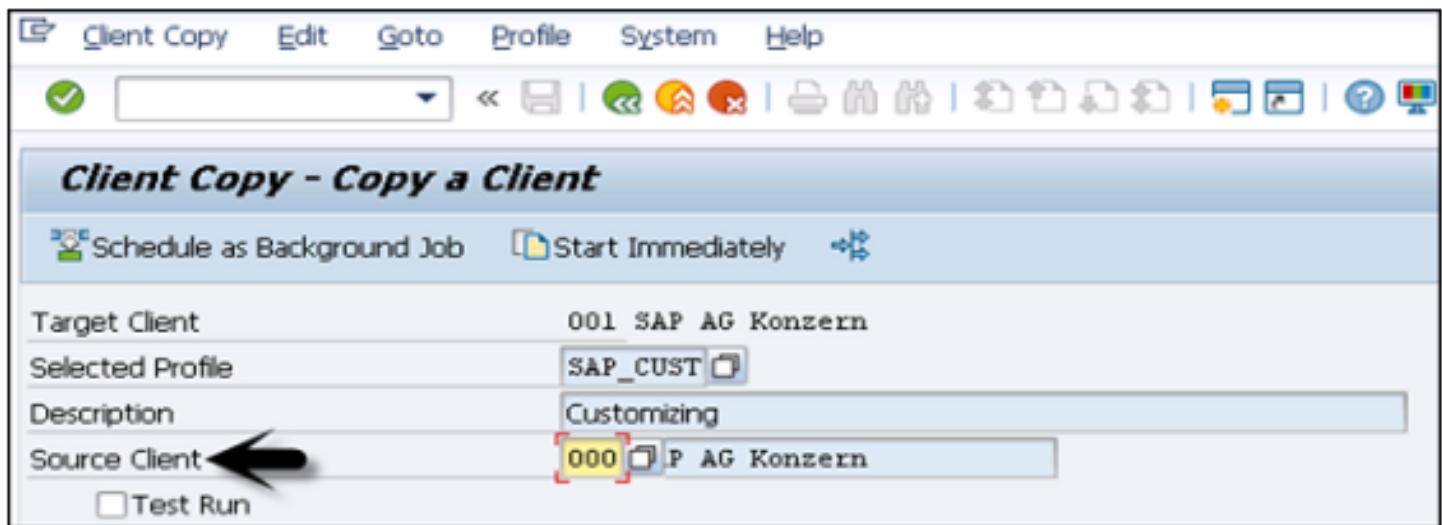
You can also create a copy of existing clients between local and remote system IDs.

Follow these steps to create a copy of existing clients –
Step 1 – To create a copy of a client in local SID, the transaction code is SCCL.

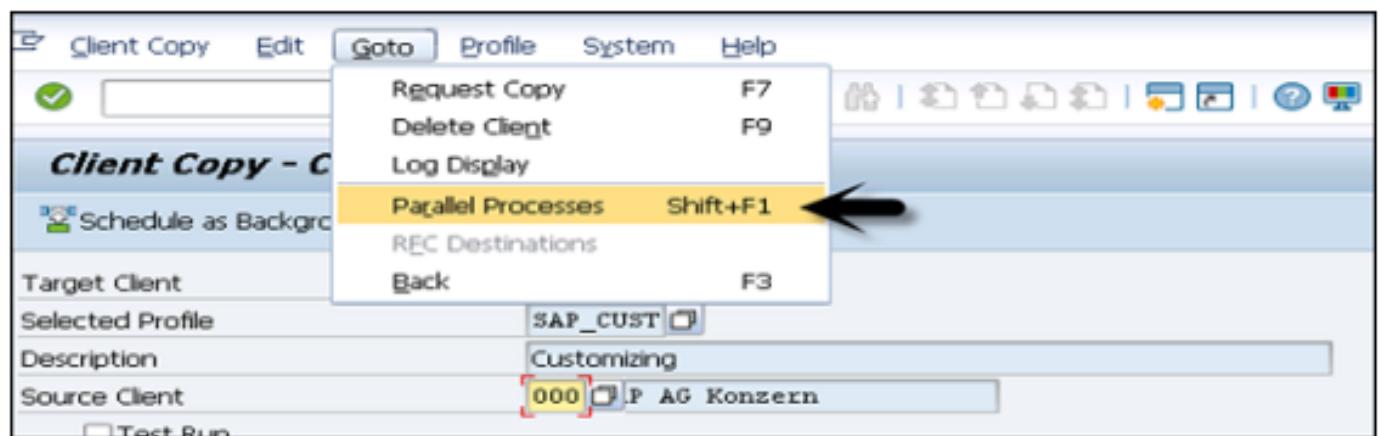


Step 2 – Enter the following details –

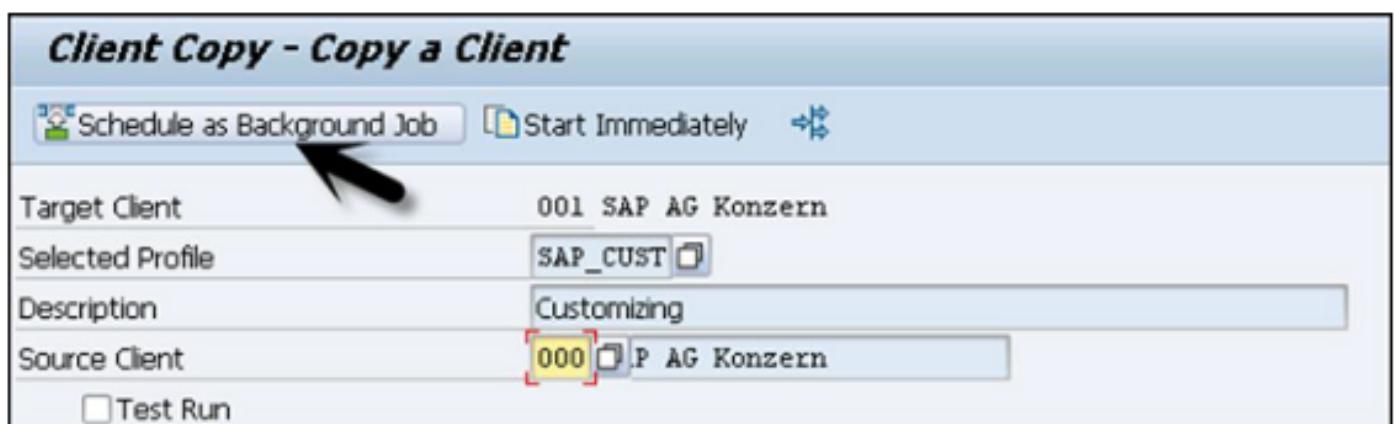
Select your desired profile, enter source client, and enter description.



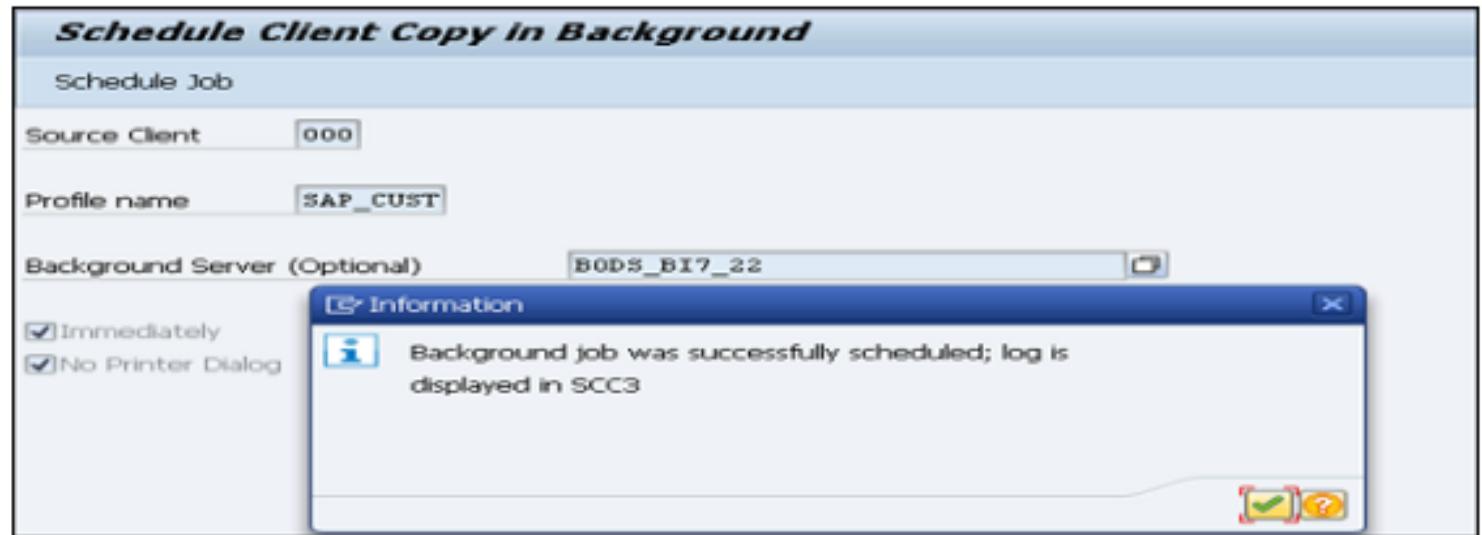
Step 3 – By default, the client copy is executed in a single process and you can distribute the workload on multiple processes to reduce time for copying.



Step 4 – Copying a client can take longer. Therefore, this process can be run as background job.



Step 5 – To check the logs, transaction code SCC3 can be used.



Remote System

You can create a copy of client in the remote system using transaction code SCC9. This system uses Trusted RFC connection SM59.

Enter the details as we do for local client copy and you can select an option to run the copy in background.

To check the logs, transaction code SCC3 can be used.

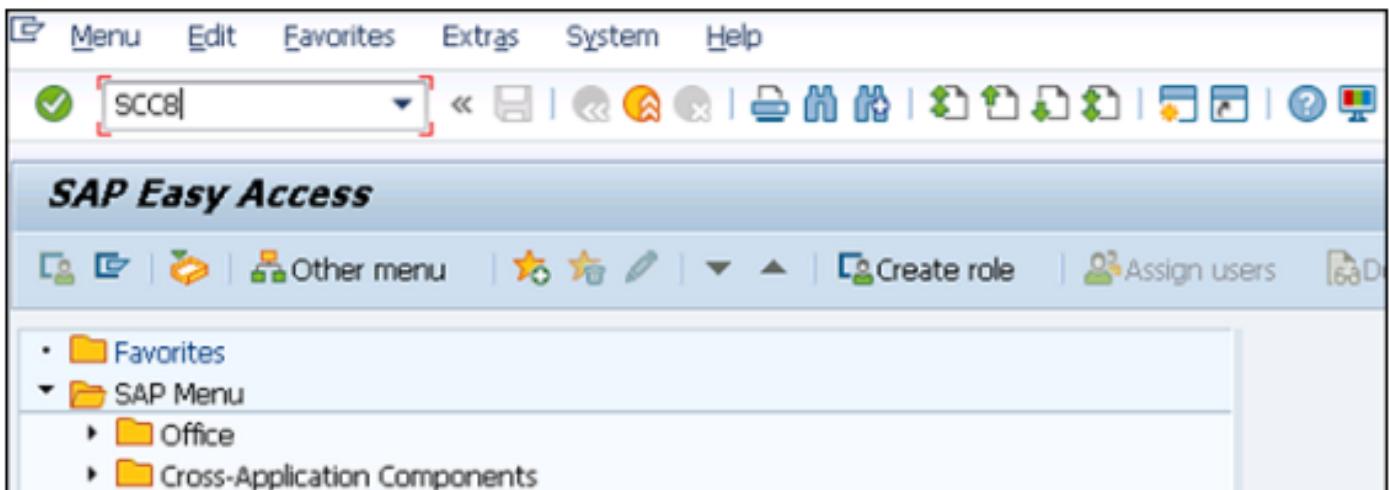
Client Copy/Transport Log Analysis						
Delete Log	All Clients	All Transport Requests	Exports	Transport Requests		
Client Copies in Client 001 : 1						
Date	Time	Source	Status Text	Profile	Mode	Test mode
12.09.2015	18:10:45	000	Successfully Completed	SAP_CUST	Local	

Import/Export

It is always recommended to use import/export option for client copy when database size is large.

Follow these steps to export a client –

Step 1 – Log on to target system and create an entry for new target client using transaction code SCC4. To perform export for transferring data files to target system import buffer, use transaction code SCC8.



Step 2 – Select the profile and target system. You can schedule the export process in background. Depending on the export type, it creates multiple transport requests in the following areas –

- To hold the cross client data.
- To hold the client dependent data.
- To hold some client dependent data.

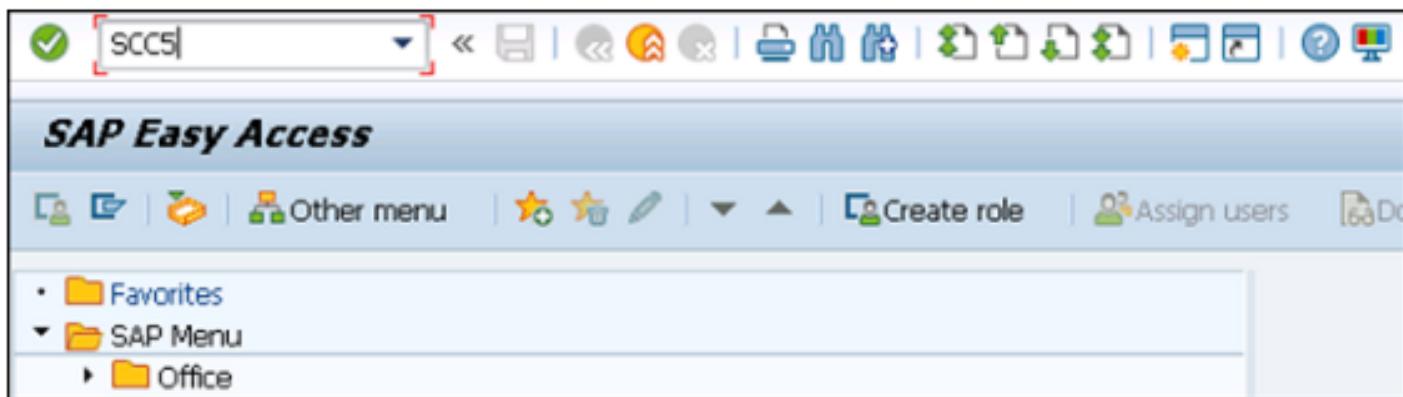
Now, follow these steps to import a client -

Step 1 – To import a client, use transaction code STMS_IMPORT, you will see import queue.

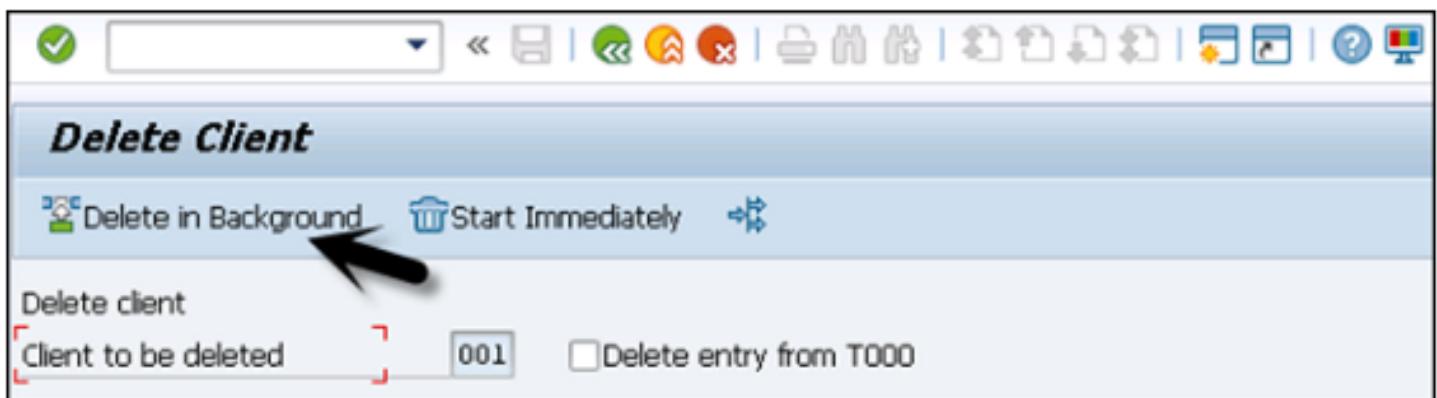
Import Queue: System N4S							
Requests for N4S: 1 / 28				14.02.2013 19:23:30			
Request :							
Number	Request	CIt	RC	Owner	Project	Short Text	St
1	E34K975388	500		RALPH	E34_P00011	TP_UPLOAD: Complete Delivery (Version 1.09 of 10.	
2	E34K975764	500		VOLKER	E34_P00022	I62 Rollen für N4S - 08.11.2012	
3	E34K975596	000		VOLKER	E34_P00025	IDES Entwicklungen - 2.32 - complete	

Step 2 – Select the transport requests to perform import process that is generated from export operation. Once import is done, you can use the transaction code SCC7 to complete post import phase. You can check import logs using transaction code SCC3.

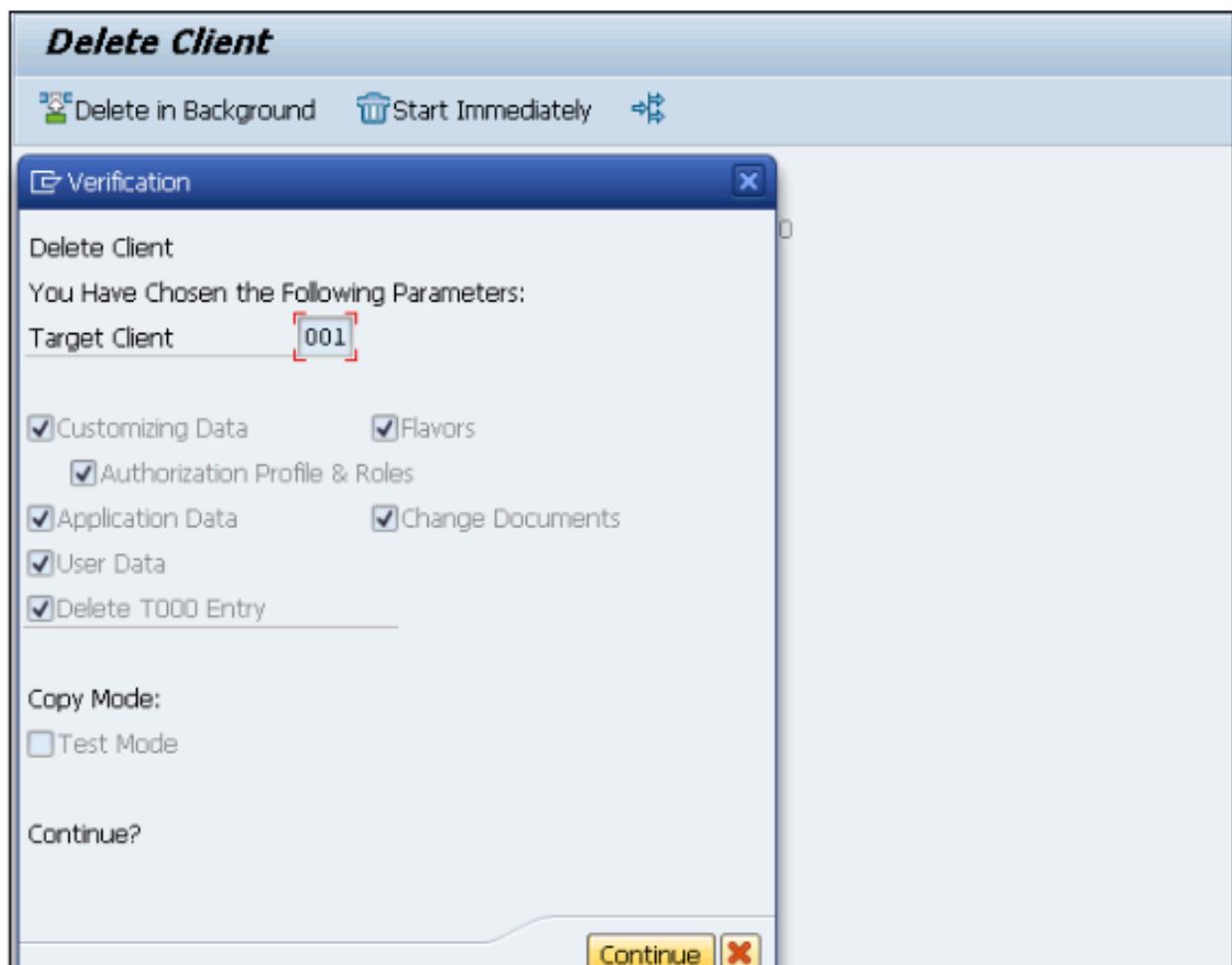
Deleting a Client



Step 2 – Select the client to be deleted. You can select > delete in background or start immediately. Table T000 contains all the client entries created using Transaction SCC4. You can also select to remove table entry for the client.



Step 3 – When you select start immediately, you see the following window.



Step 4 – Click on Continue to complete the deletion.