What is Transport Request?

How to Import/Export

it & check logs?

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What is a Transport Request?

- Transport Requests (TRs) – are also known as Change Requests. It is a kind of 'Container / Collection' of changes that are made in the development system . It also records the information regarding the type of change, purpose of transport, request category and the target system.

- Each TR contains one or more change jobs, also known as change Tasks (minimum unit of transportable change) . Tasks are stored inside a TR, just like multiple files are stored in some folder. TR can be released only once all the tasks inside a TR are completed, released or deleted.

- Change Task is actually a list of objects that are modified by a particular user. Each task can be assigned to (and released by) only one user, however multiple users can be assigned to each Transport Request (as it can contain multiple tasks). Tasks are not transportable by themselves, but only as a part of TR.

Change requests are named in a standard format as: <SID>K<Number> [Not modifiable by system administrators]
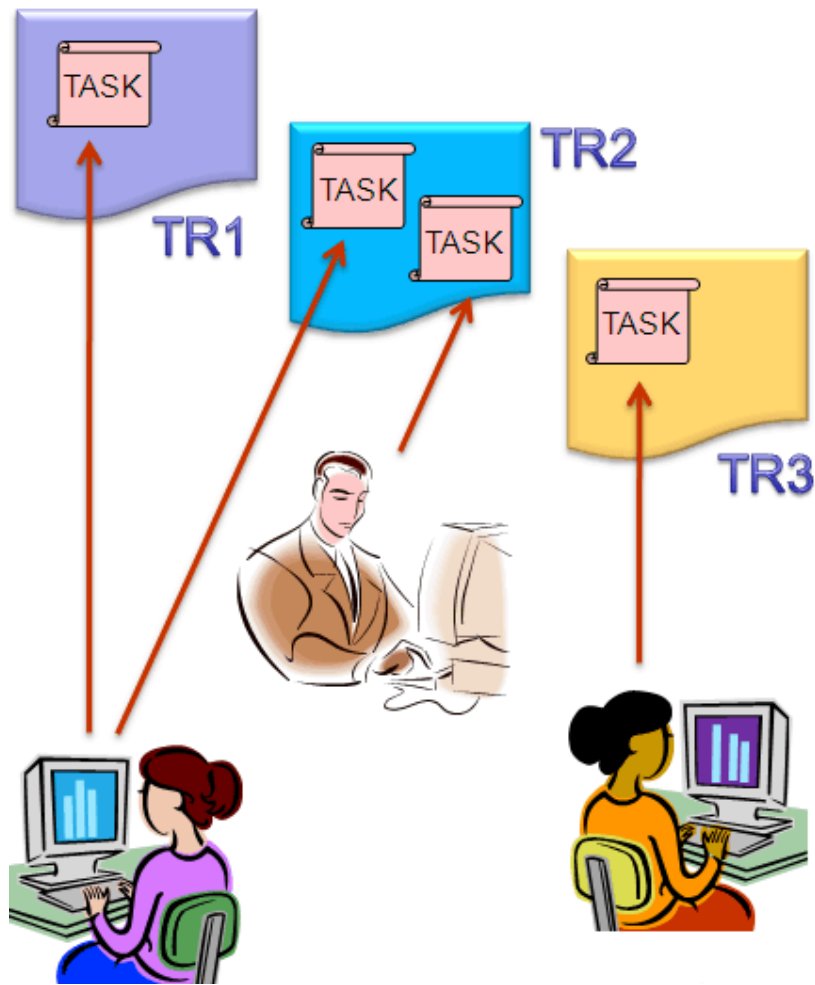
- SID – System ID

- K – Is fixed keyword/alphabet

- Number – can be anything from a range starting with 900001


Example: DEVK900030

Tasks also use the same naming convention, with 'numbers' consecutive to the number used in TR containing them.

For Example, Tasks in the above mentioned TR Example can be named as: DEVK900031, DEVK900032 …

- The project manager or designated lead is responsible to create a TR and assign the project members to the TR by creating task/s for each project member.
- Hence, she/he is the owner with control of all the changes that are recorded in that TR and therefore, she/he can only release that TR.
- However, assigned project members can release their respective change tasks, once completed.
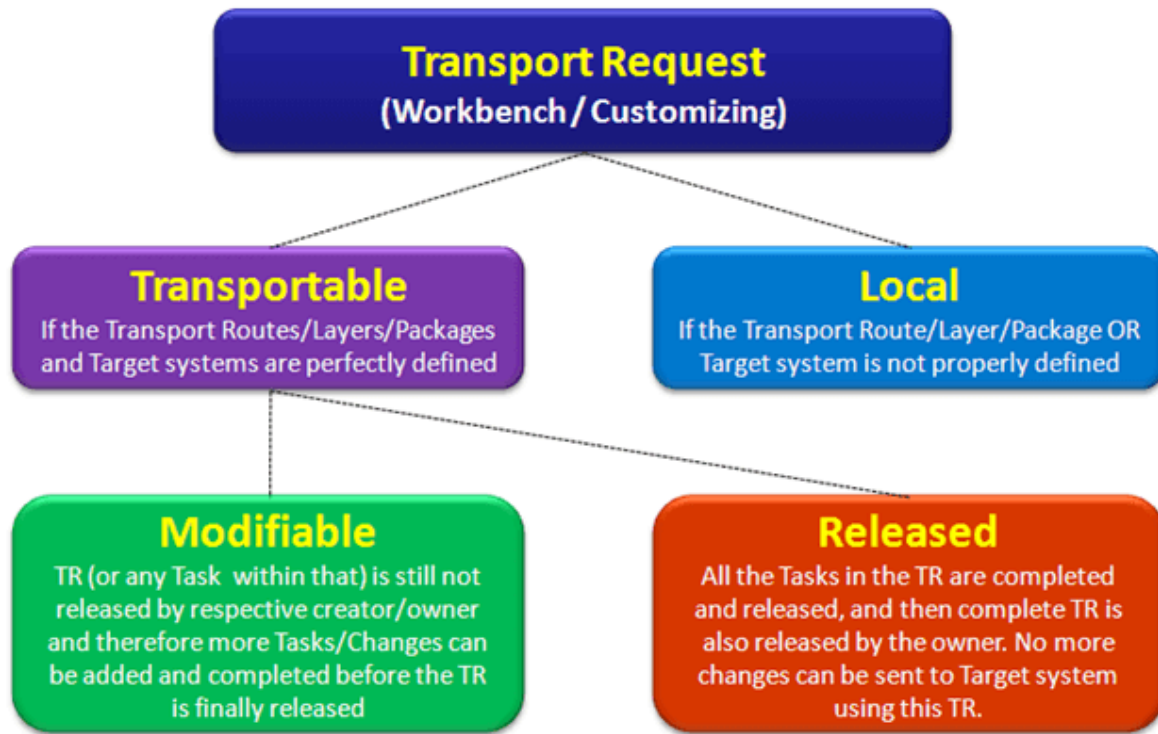
Workbench Request – contains repository objects and also '*cross-client*' customizing objects. These requests are responsible for making changes in the ABAP workbench objects.

Customizing Request – contains objects that belong to '*client-specific*' customizing. As per client settings these requests are automatically recorded as per when users perform customizing settings and a target system is automatically assigned as per the transport layer (if defined).
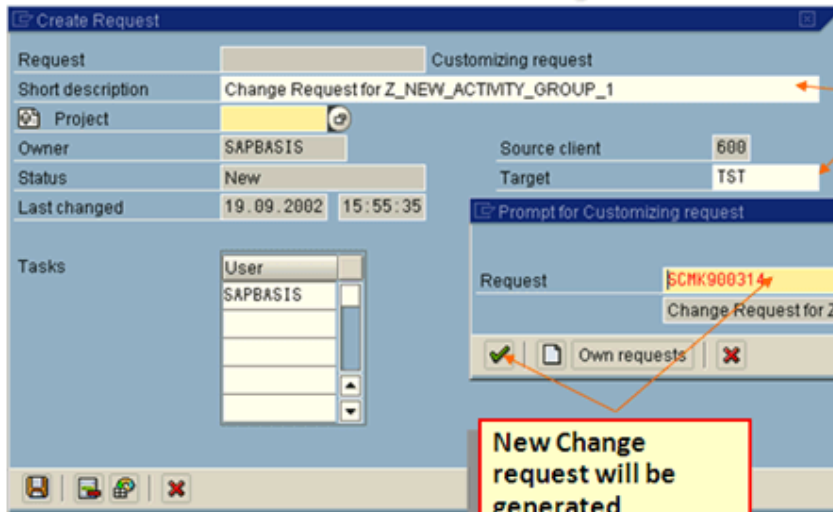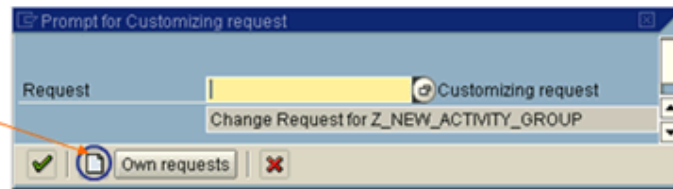
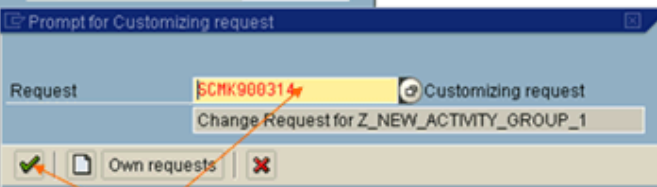**SE01 – Transport Organizer – Extended View**
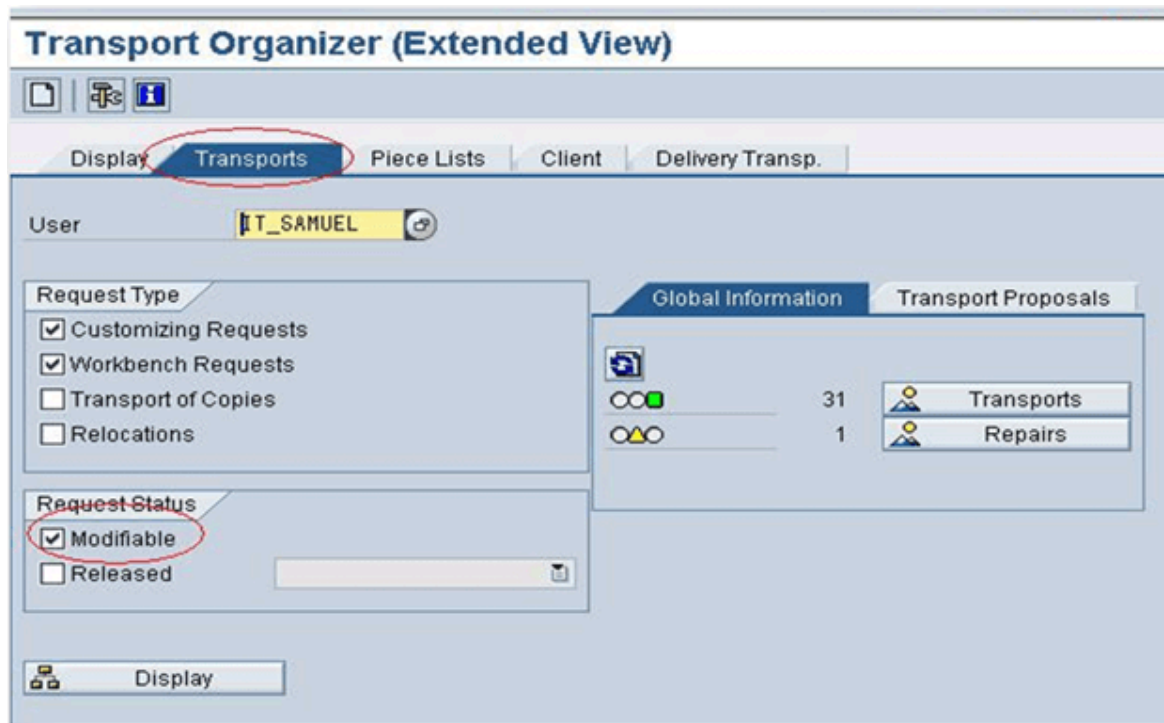
Create a Change Request

- Change Request can be created in two ways:
  - **Automatic** – Whenever creating or modifying an object, or when performing customizing settings, system itself displays the 'Dialog box' for creating a change request or mention name of an already created request, if available.
  - **Manually** – Create the change request from the Transport Organizer, and then enter required attributes and insert objects.
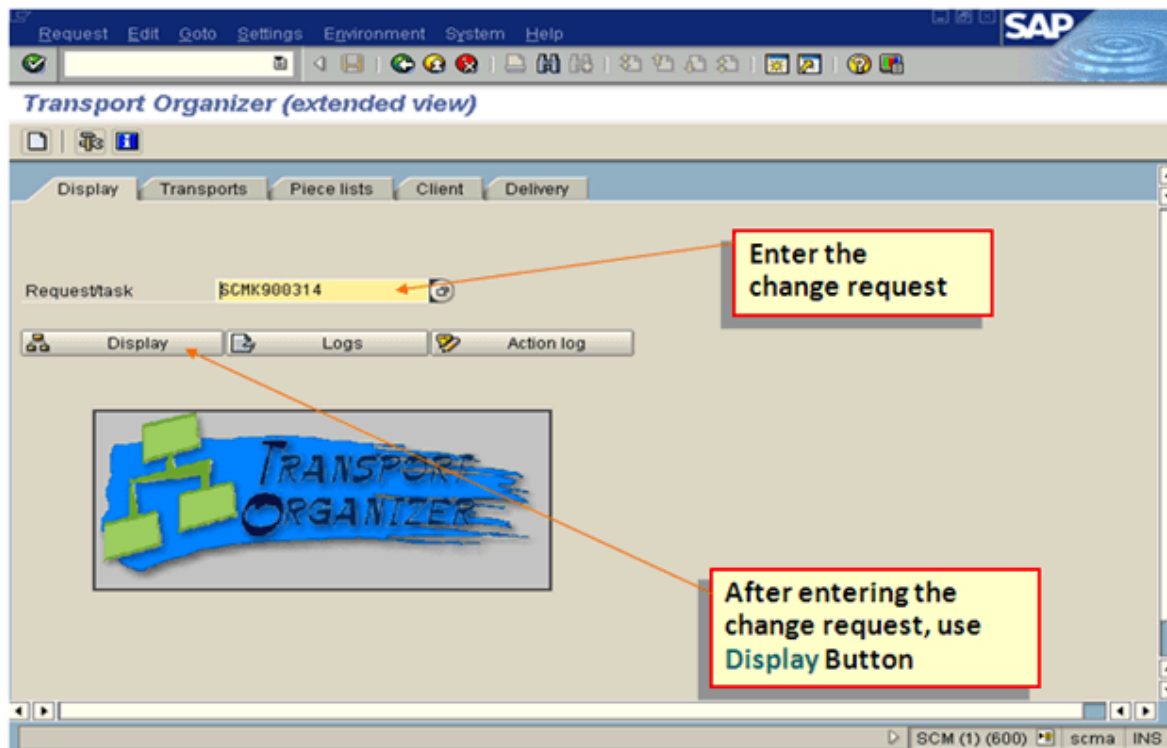
To create a request click here or select the already created request by clicking the 'Own Request' button.

Request | Customizing request
Change Request for Z_NEW_ACTIVITY_GROUP

Own requests

Create Request

Request	Customizing request
Short description	Change Request for Z_NEW_ACTIVITY_GROUP_1
Project	
Owner	SAPBASIS
Status	New
Last changed	19.09.2002 15:55:35

Source client	600
Target	TST

Enter DESCRIPTION & target SERVER

Tasks

User
SAPBASIS

Prompt for Customizing request

Request | SCMK900314 | Customizing request
Change Request for Z_NEW_ACTIVITY_GROUP_1

Own requests

New Change request will be generated

Request Edit Goto Settings Environment System Help

SAP

Transport Organizer (extended view)

Display | Transports | Piece lists | Client | Delivery

Request/task   SCMK900314

Enter the change request

Display | Logs | Action log

TRANSPORT ORGANIZER

After entering the change request, use Display Button

SCM (1) (600) scma INS

>

Release the Transport Request (Export Process)

- Position the cursor on the TR name or a Task name & choose the Release icon (Truck), a record of the TR is automatically added to the appropriate import queues of the systems defined in the TMS.
- Releasing and importing a request generates export & import logs.
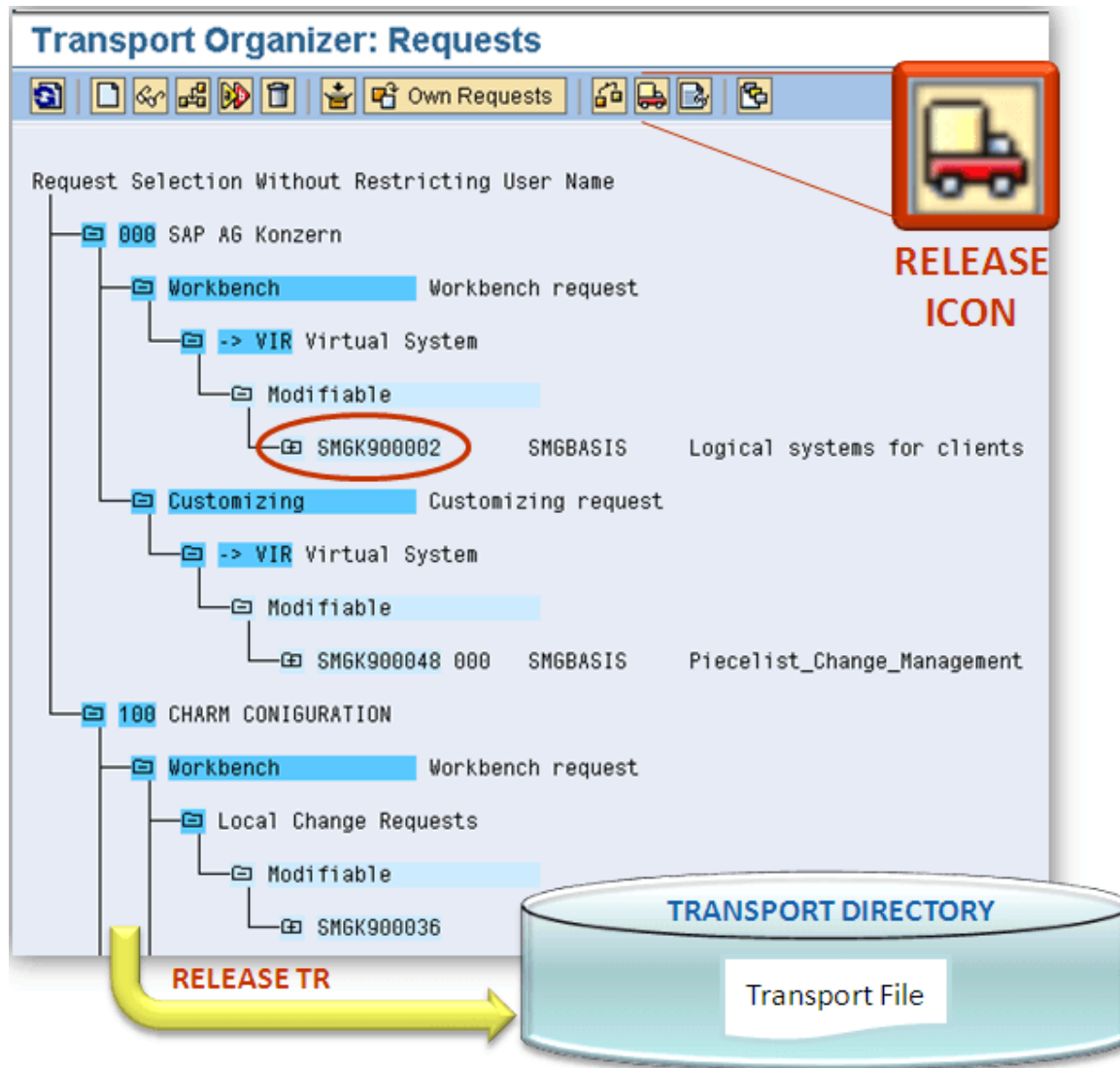
The Import Process

Importing TRs into the target system

- After the request owner releases the Transport Requests from Source system, changes should appear in quality and production system; *however this is not an automatic process*.
- As soon as the export process completes (releasing of TRs), relevant files (Cofiles and Data files) are created in the common transport directory at OS level and the entry is made in the **Import Buffer** (OS View) / **Import Queue** (SAP App. View) of the QAS and PRD.
- Now to perform the import, we need to access the import queue and for that we need to execute transaction code **STMS -> Import Button** OR select **Overview -> Imports**
- It will show the list of systems in the current domain, description and number of requests available in Import Queue and the status.

Import Queue -> is the list of TRs available in the common directory and are ready to be imported in the target system, this is the SAP Application View, at the OS level it is also known as **Import Buffer.**

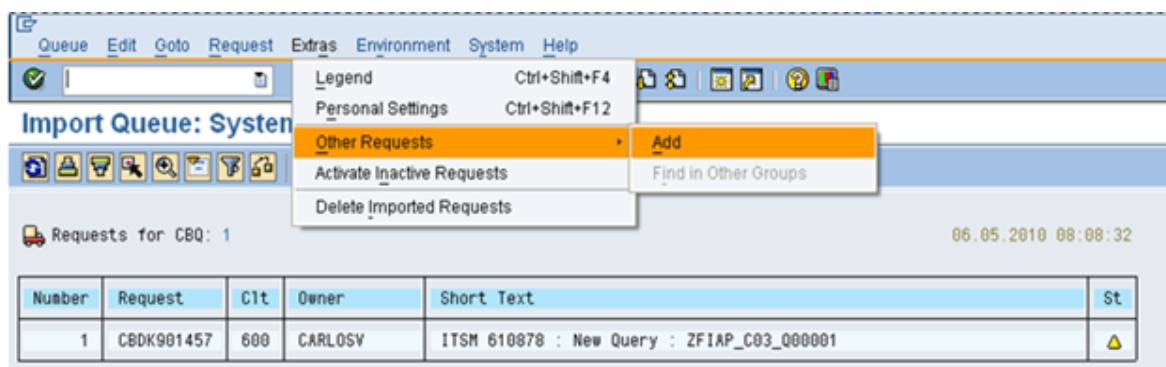- To display the contents of an Import Queue, we need to double-click on one of the systems. To extract the latest list, use refresh button.

The Import status

Import Queue shows some standard '**status icons**' in the last column, here are the icons with their meanings, as defined by SAP:
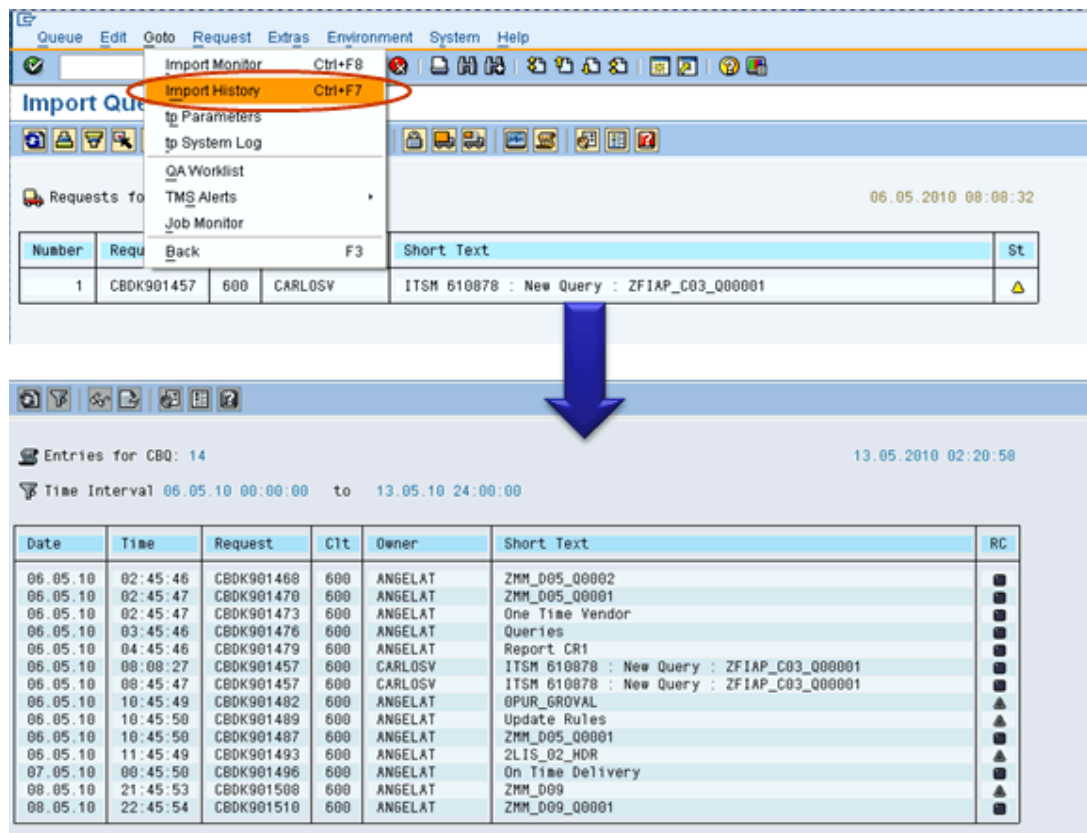
	Request must still be approved: The request is in the QA worklist because it has not yet been approved completely. See also: 📕 TMS Quality Assurance
	Request was rejected: The request was rejected while in the QA worklist.
	Request will not be imported: These requests are not imported due to specific settings made in the transport control program. If you choose *Edit → Display more* in the import queue, which displays more technical information, the column *I* (import flag) gives you a more precise explanation. *tp* gives you a description of the various *tp* import flags.
	Request after end mark: Requests after the end mark are not imported during the next import. The end mark is automatically deleted only when the next import has completely ended. Afterwards, the requests can be imported.
	Request is ready for import again: The request has already been imported into the target system. To avoid inconsistencies that can occur when changing the import order, this request is imported again during the import of the entire queue. Therefore, this request stays in the import queue until all the requests have been imported.
	Request waiting to be imported: The change request will be imported into the target system with the next import.
	Import is scheduled
	Import is running
	Request is already imported: The request has already been imported into the target system, but has not been flagged as a preliminary import. These requests will not be imported again during the next import.

In case, a request is not added automatically in the import queue/buffer, even though the OS level files are present, then we can add such requests by the following method, however, we should know the name of intended TR:

Import History

We can also check the previous imports that happened in the system as follows:

Transport logs and return codes

- After the transport has been performed, system administrator must check whether it was performed properly or not, for that SAP has provided us with the following type of logs **(SE01 -> GOTO -> Transport Logs)** :
  - **Action Log** – which displays actions that have taken place: exports, test import, import and so forth.
  - **Transport Logs** – which keep a record of the transport log files.
- One of the important information provided by logs are the return codes:
  - **0:** The export was successful.
  - **4:** Warning was issued but all objects were transported successfully.
  - **8:** A warning was issued and at least one object could not be transported successfully.
  - **12 or higher:** A critical error had occurred, generally not caused by the objects in the request.