TOSHIBA

MULTIFUNCTIONAL DIGITAL SYSTEMS

SAP R/3 Printing Device Type File Installation Guide

e-STUDIO281c/351c/451c

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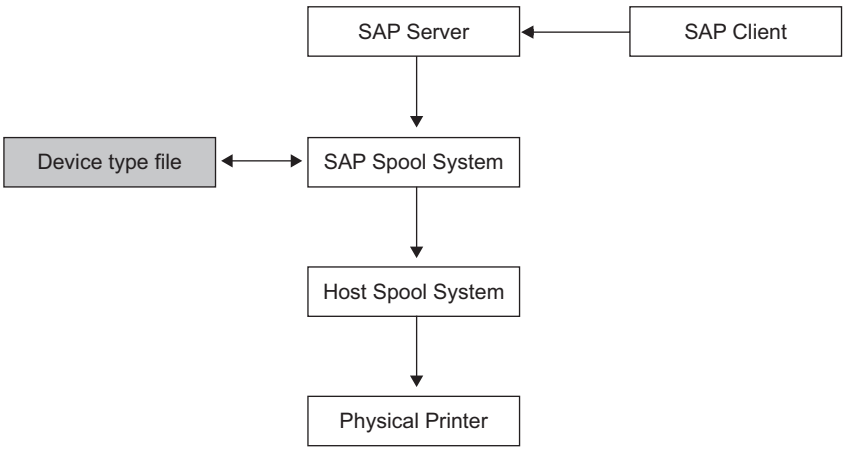
1. Introduction

This document describes the step-wise procedure to install and configure the device type for Toshiba e-STUDIO451c Series printers in SAP R/3. SAP administrator can implement the printer specific features by inserting the necessary PJL/PCL commands given in the Device configuration section.

1.1 SAP Printing Environment



1. SAP Client raises the print Request.
2. SAP Server will pass on the request to SAP spool system based on type of printer selected by the Client program.
3. SAP spool system will consult Device type file (.PRI File) corresponding to the output device. Based on configuration and control information present in Device type file, it will generate Printing data and Control Information.
4. Based on the "Access method" configured for the output device, SAP Printing Subsystem will operate in the respective way

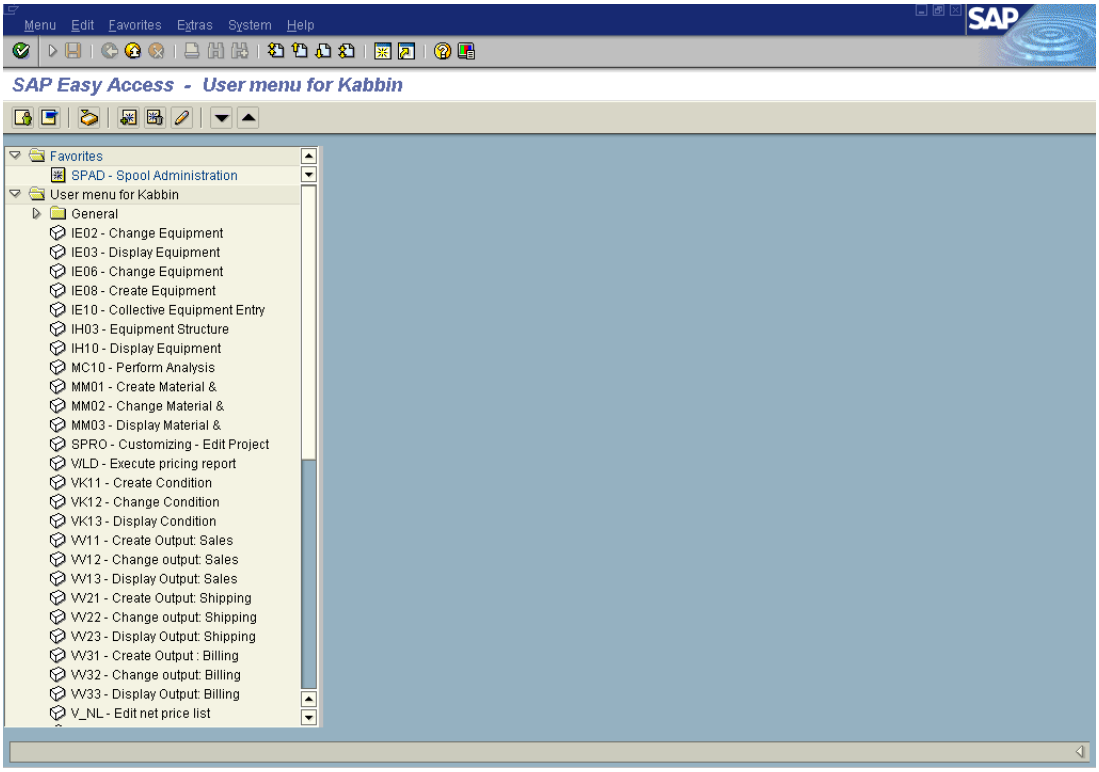
2. Device Files

Device type	Supported features	Limitation
ZTSB45C.PRI	Color printing is supported for ABAP listing and SAP forms.	Cover page printing is not supported for ABAP listing.
ZTSB45CA.PRI	Color printing is supported for SAP forms.	Color Printing is not supported for ABAP list printing.

The installation procedure for "ZTSB45C.PRI" is described in this guide.
If you want to use the cover page printing function, install "ZTSB45CA.PRI".
However, color printing using ABAP cannot be performed.

3. Installation

To install a new device type into SAP, follow the procedure described below.
After you have logged on to SAP, the following screen is displayed.



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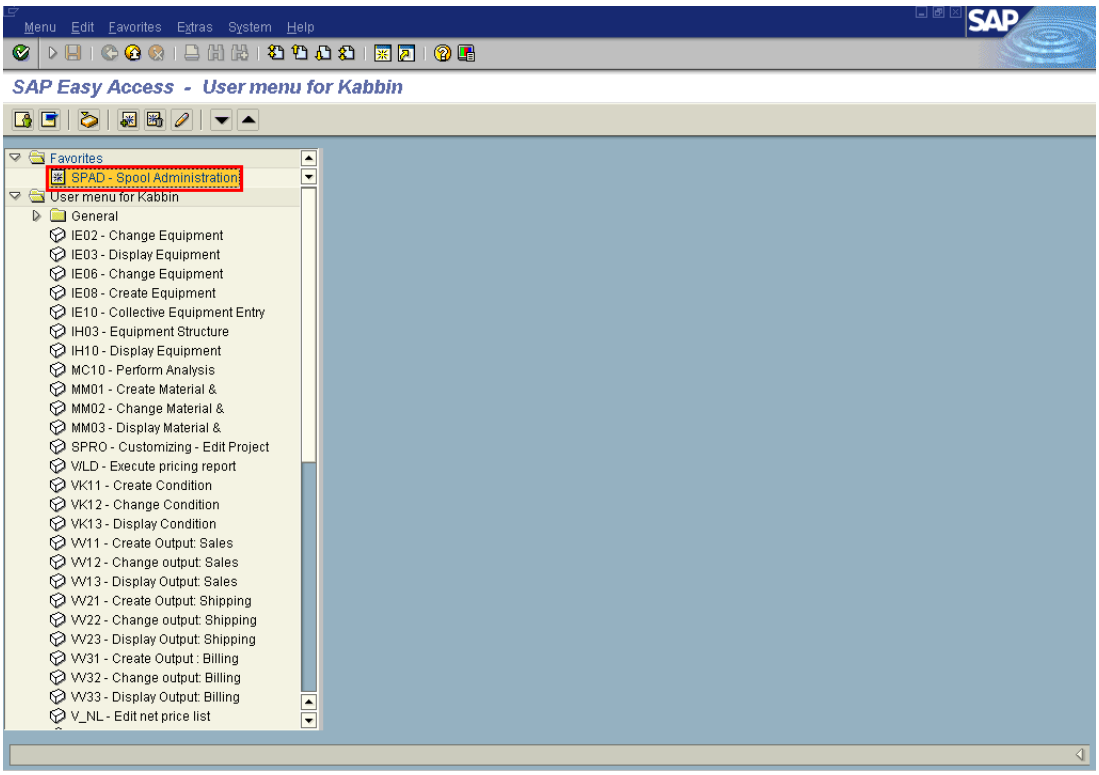
Click on the **“Spool Administration”** tab.



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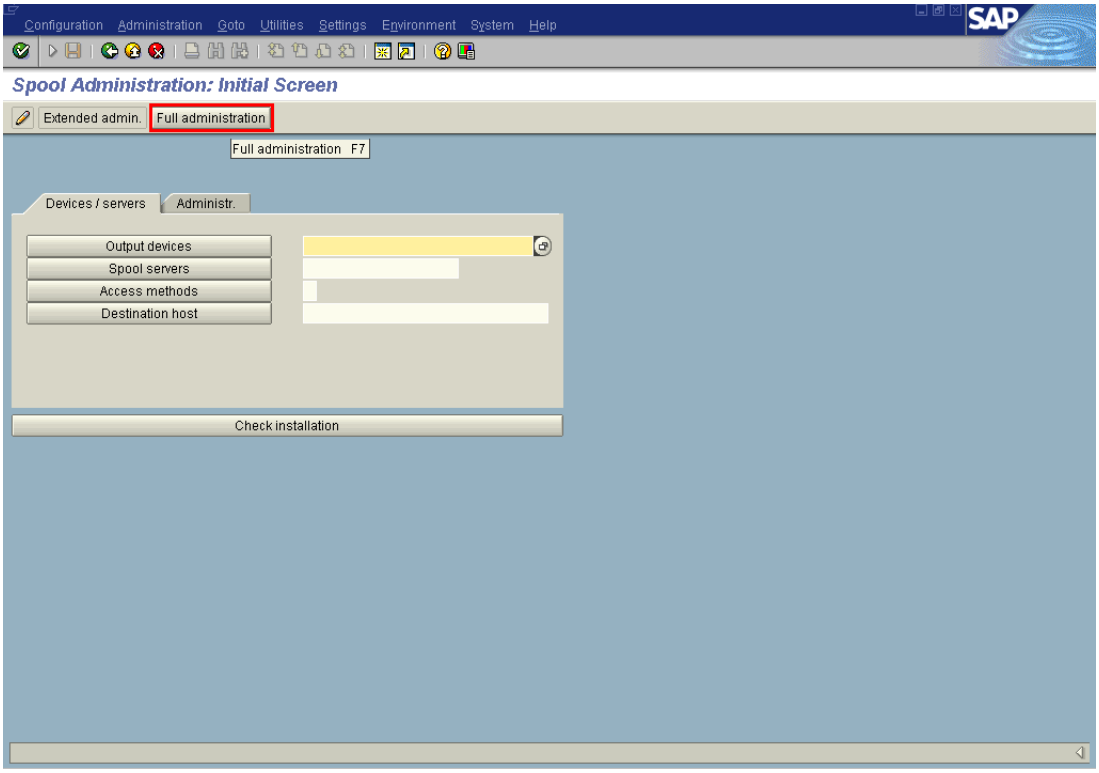
Once you Press enter the following screen is displayed.



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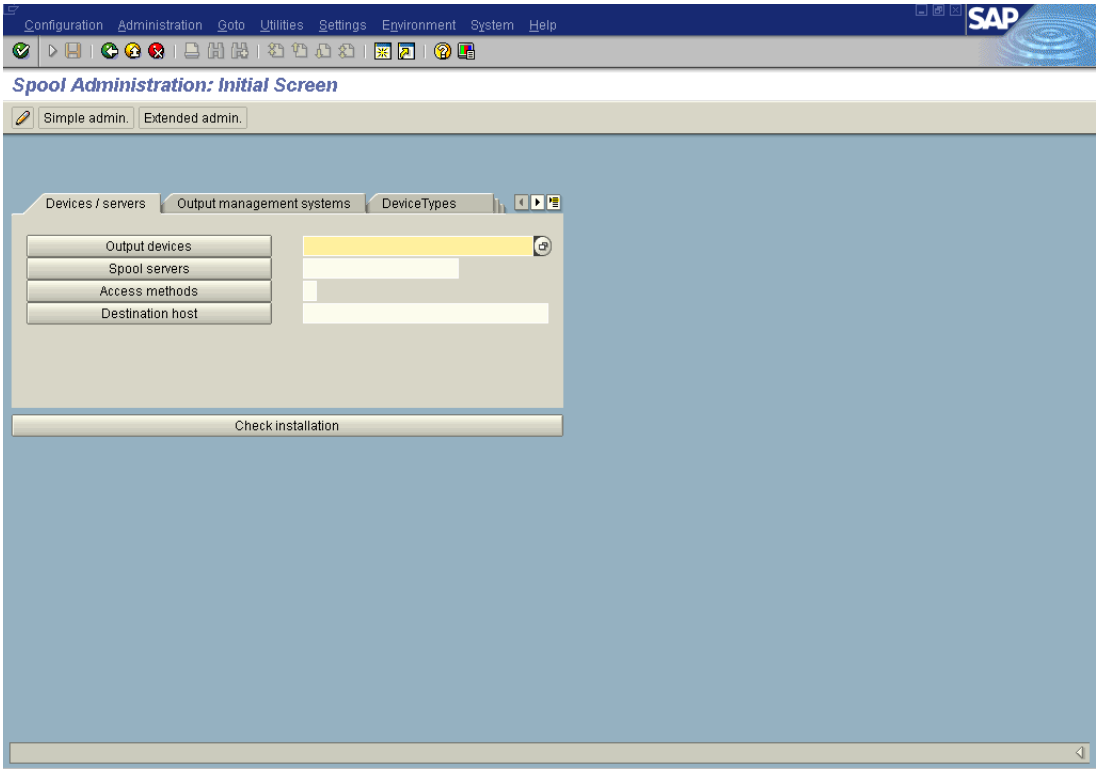
Press on the push-button **"Full administration"**. The following screen is displayed.



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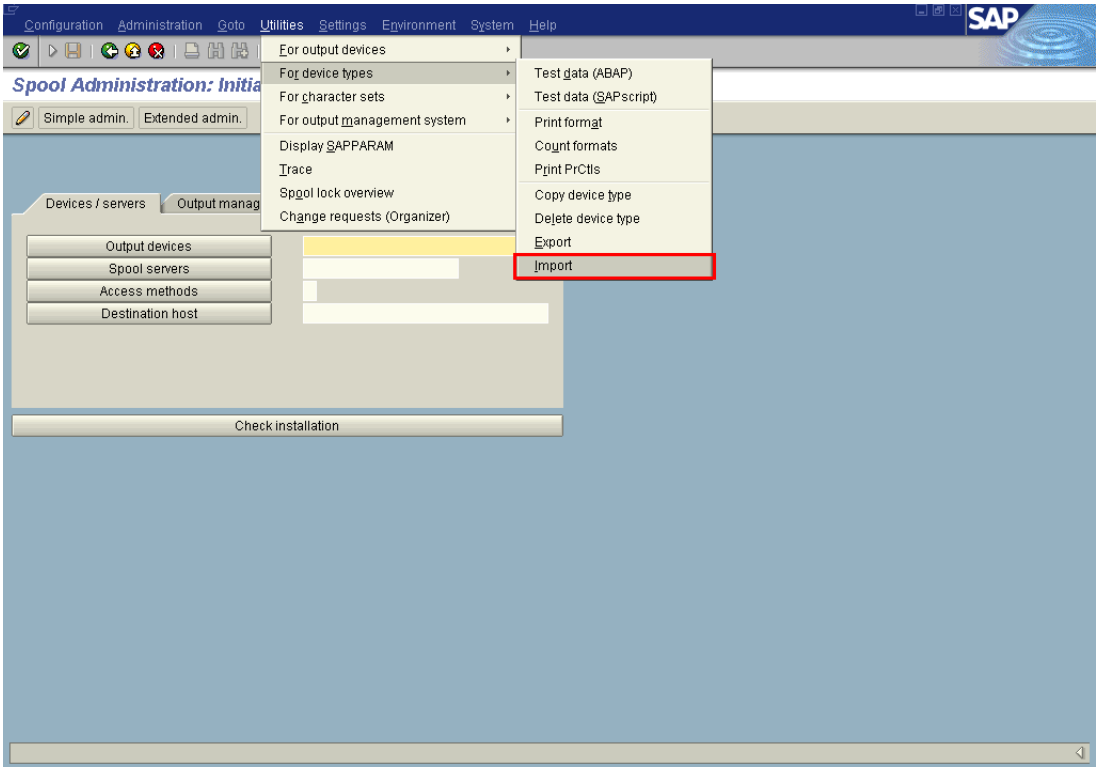
In the menu bar, go to **"Utilities"** → **"For device types"** → **"Import"** as displayed in the following screen.



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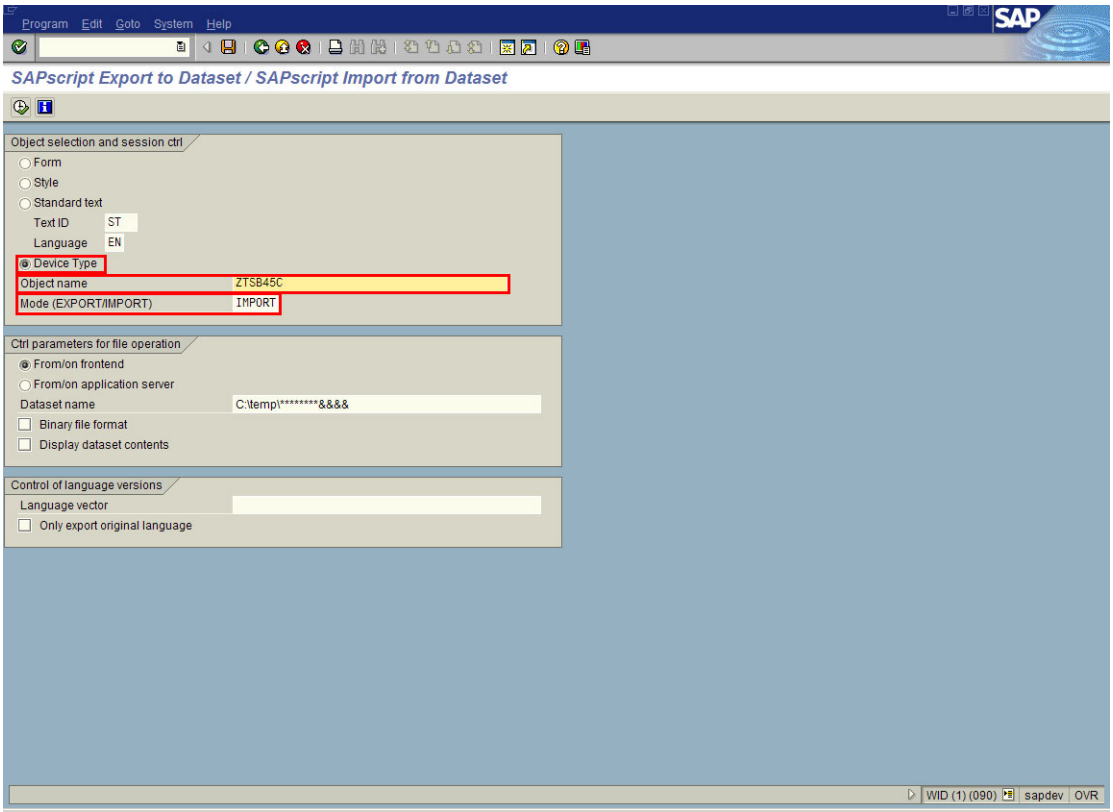
Once you press **"Import"**, the following screen is displayed.

Select the radio button **"Device Type"** and enter the name of the device type (**.PRI**) file without file extension in the input field box **"Object name"**. (E.g. if the device type file name is ZTSB45C.pri only ZTSB45C) as shown in the screen below. Make sure the entry in the field **Mode (EXPORT/IMPORT)** is written as **"IMPORT"**.



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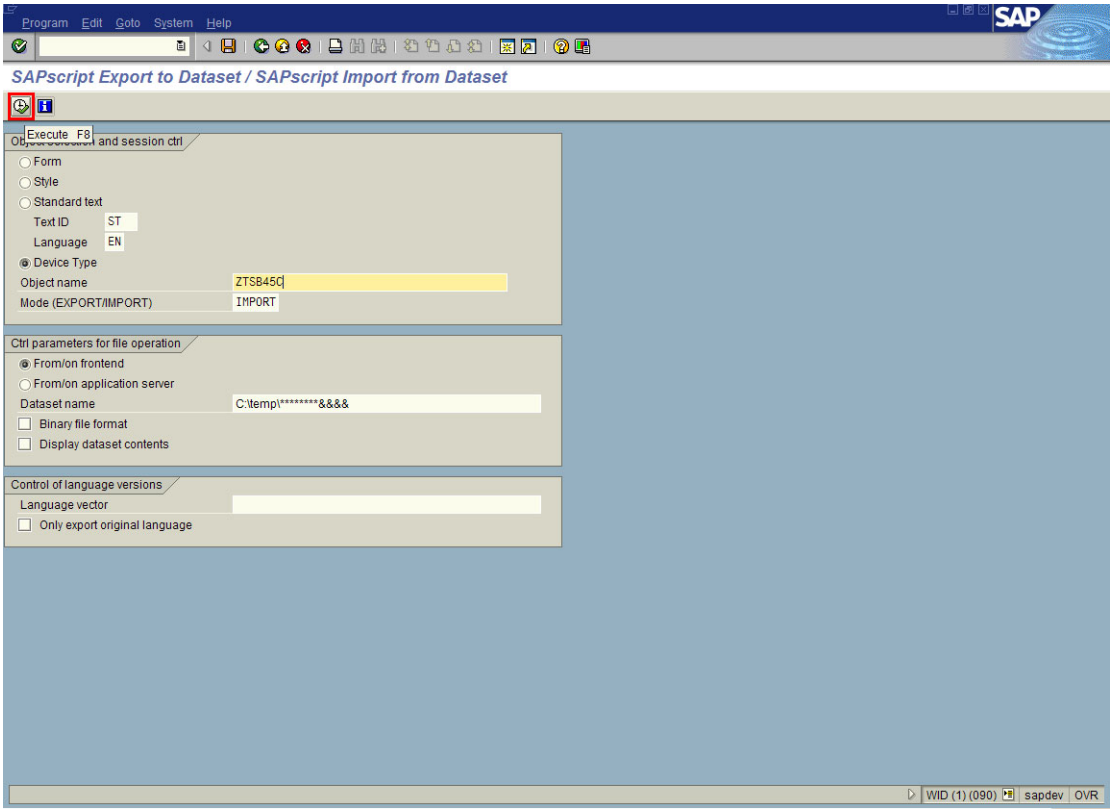

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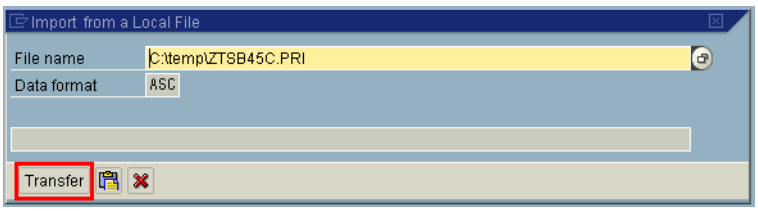
Press **"F8"** to proceed with import.

To locate the ZTSB45C.PRI on local system, **Press** this button.



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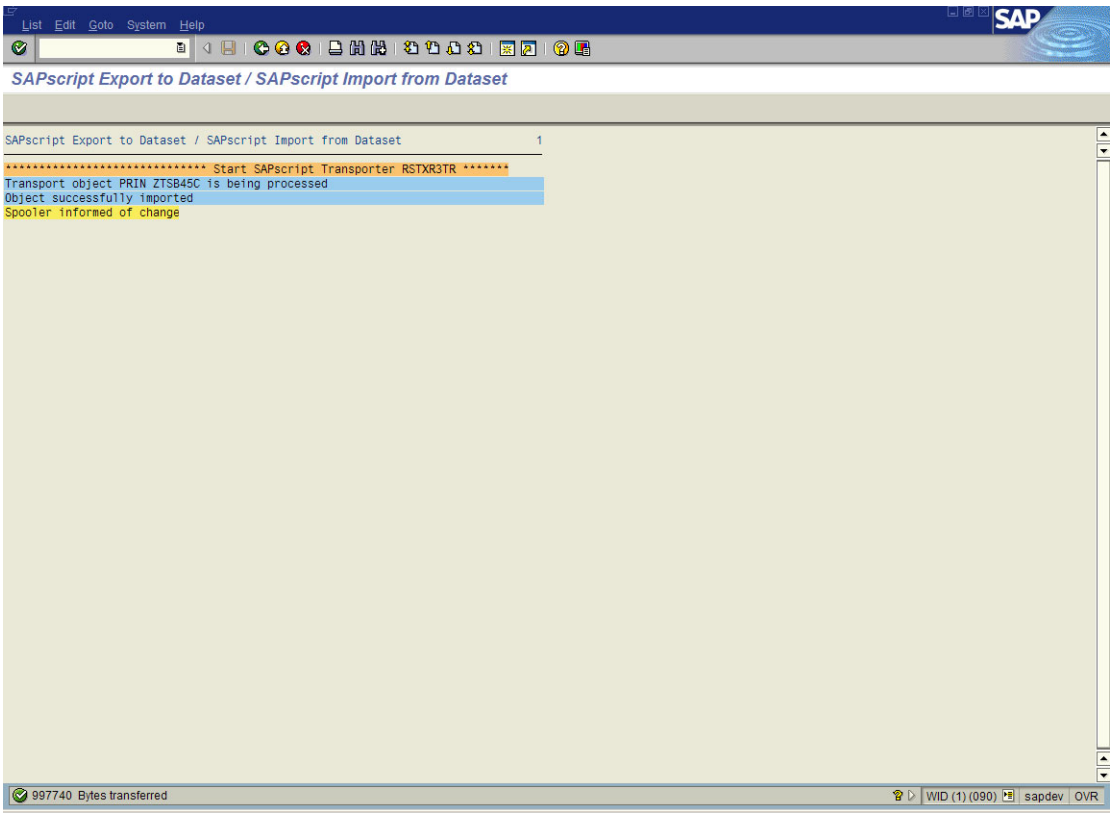
After locating PRI file, the screen displayed would be as above.
Import process will start as soon as **Transfer** is pressed.

On successful completion of import, the following message would be displayed.



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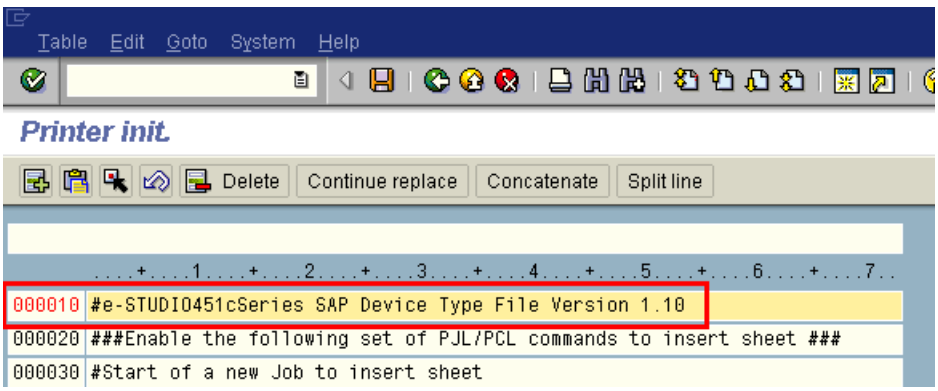
Version Check:
The Device type file version is described in the installed PRI file.
Check it in the "Printer init." menu of the SAP system.



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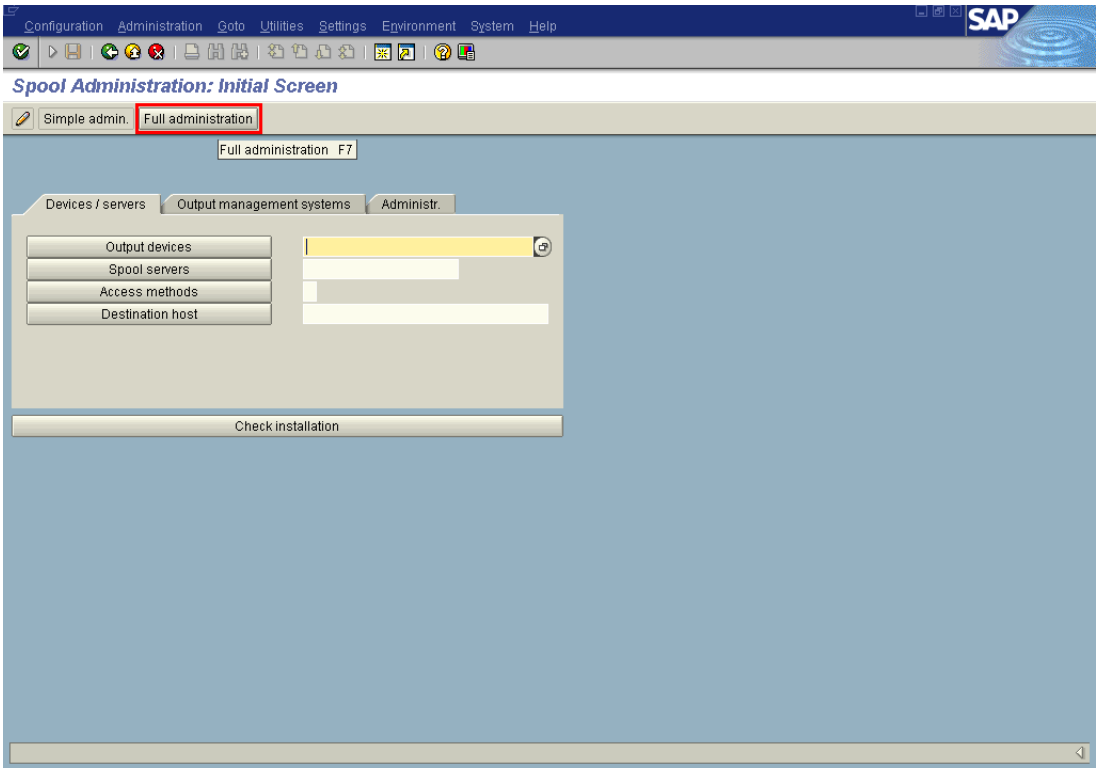
4. Verification of Device Type File

Once the device type is imported, it needs to be verified whether the newly imported device type appears in the standard list of all device types in SAP R/3 or not. To verify this same, follow the steps given below.

In the initial screen of SAP, type the transaction code **"SPAD"** in the command window and press "Enter", the following screen is displayed.



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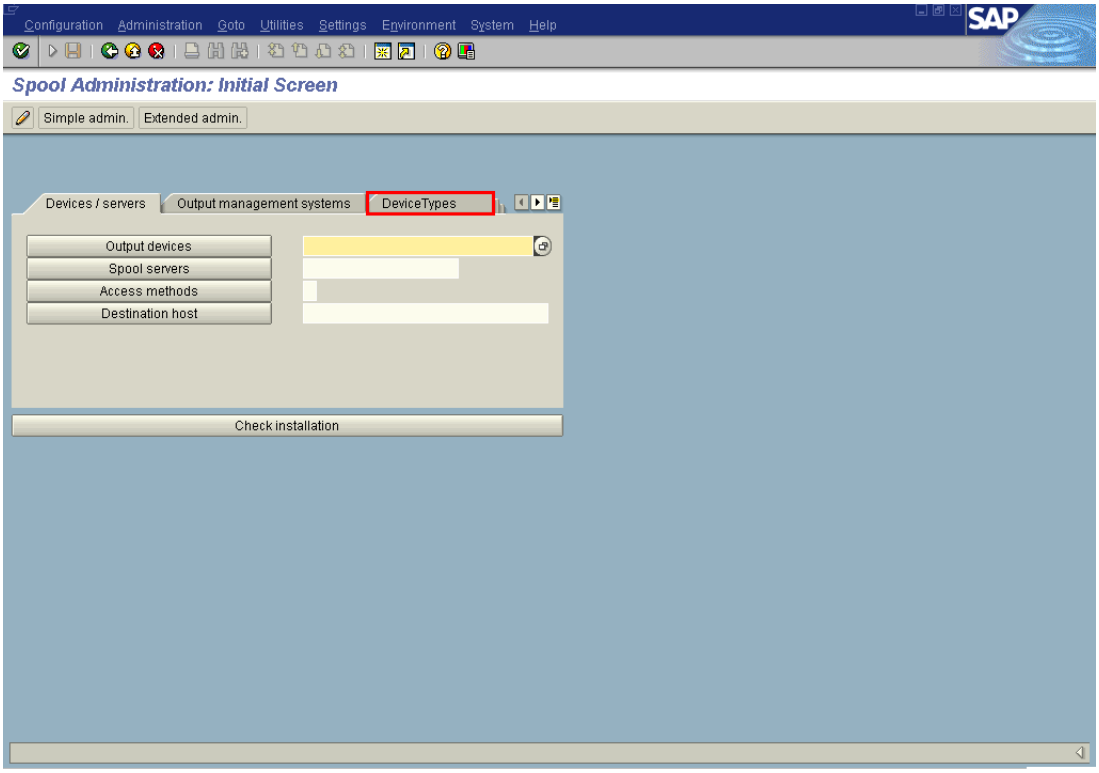
Click on **Full administration** and the following screen will be displayed.



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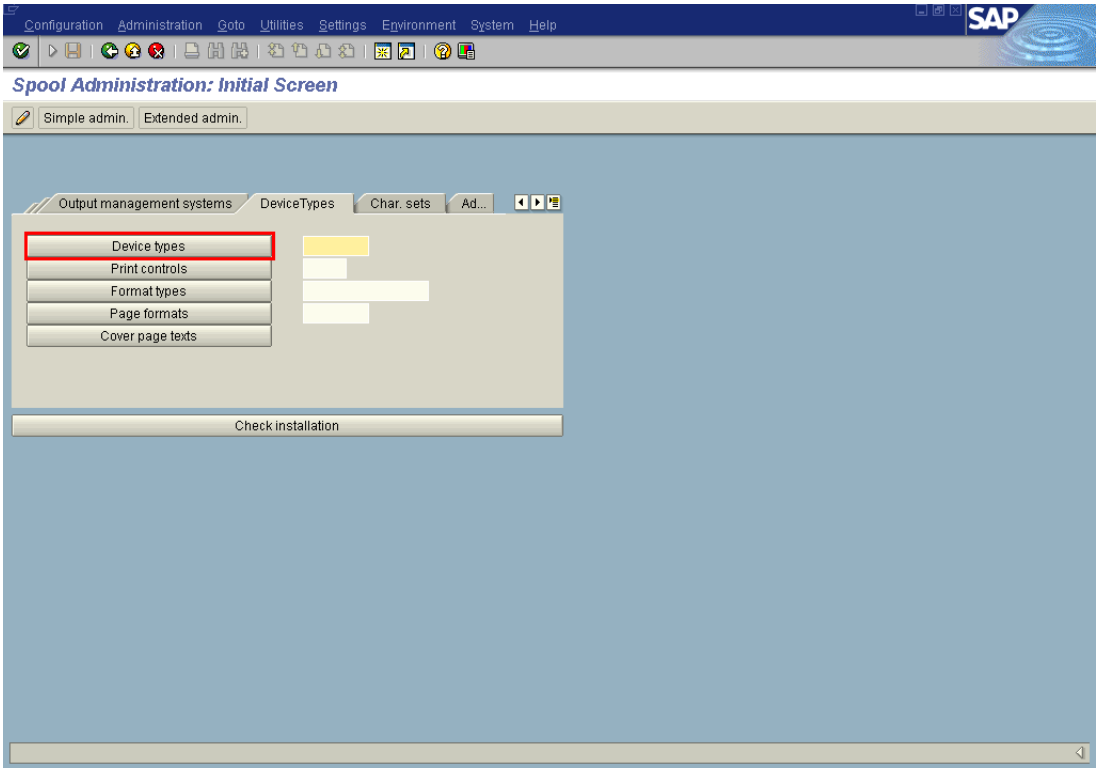
Click on the **Device Types**.



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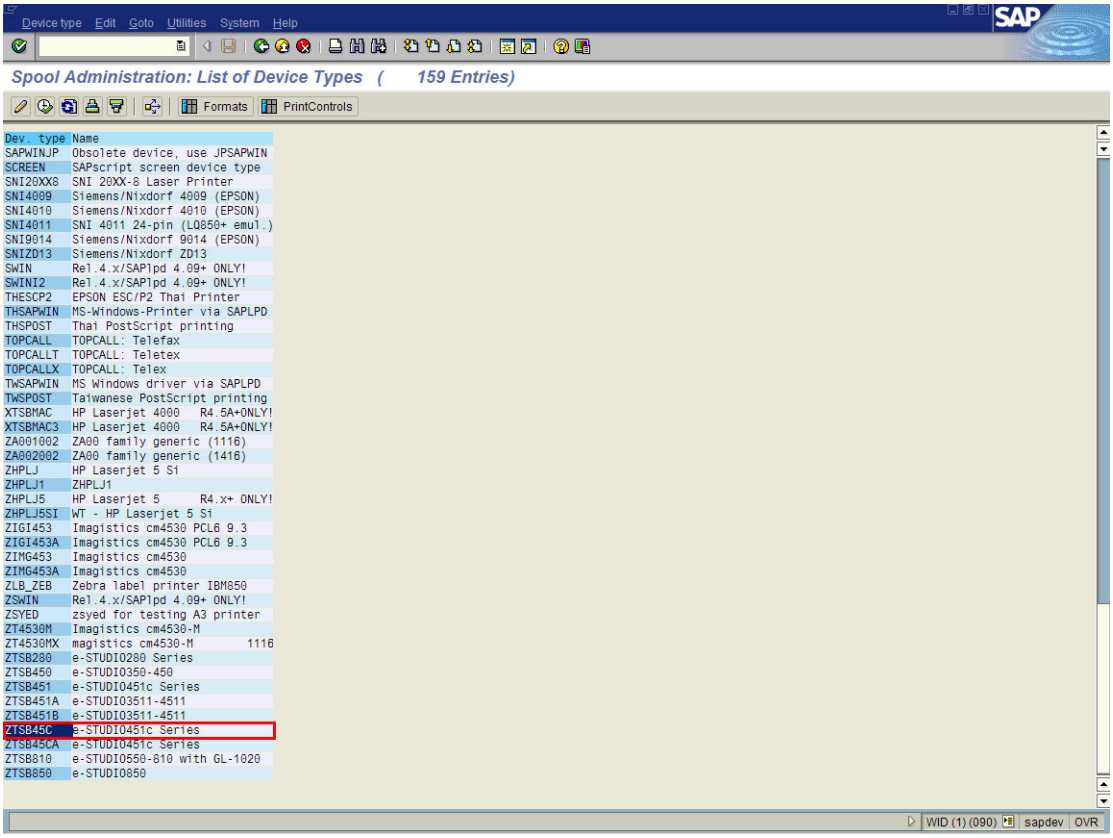
On clicking on **Device types**, list of device types will be displayed as in following screen.



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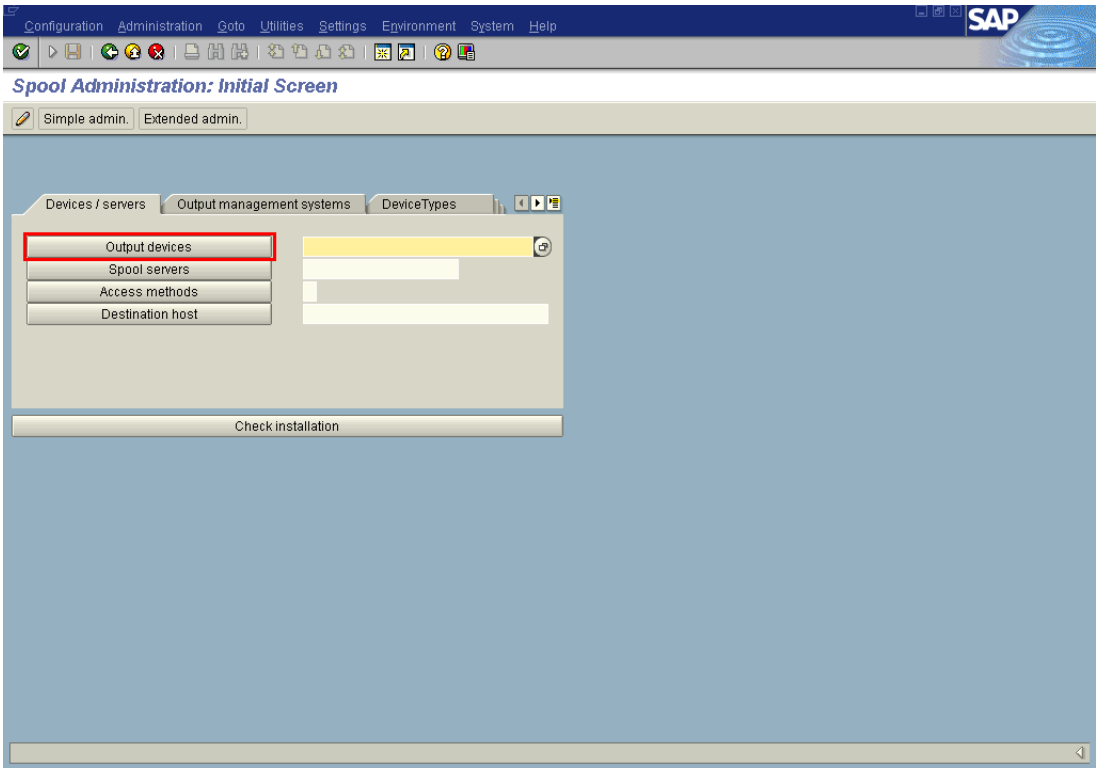
The newly imported device type **ZTSB45C** should appear in this list of device type. If the **ZTSB45C** is not displayed, it implies that import has not been successful for which the Installation procedure described earlier needs to be repeated and verified.

5. Creation of Output Device

In SAP R/3, a device type needs to be assigned to an Output device to utilise its printing features. Follow the procedure describe below to create an output device and assign a device type to it.

In the initial screen of SAP, type the transaction code "SPAD" in the command window and press "Enter", the following screen is displayed.



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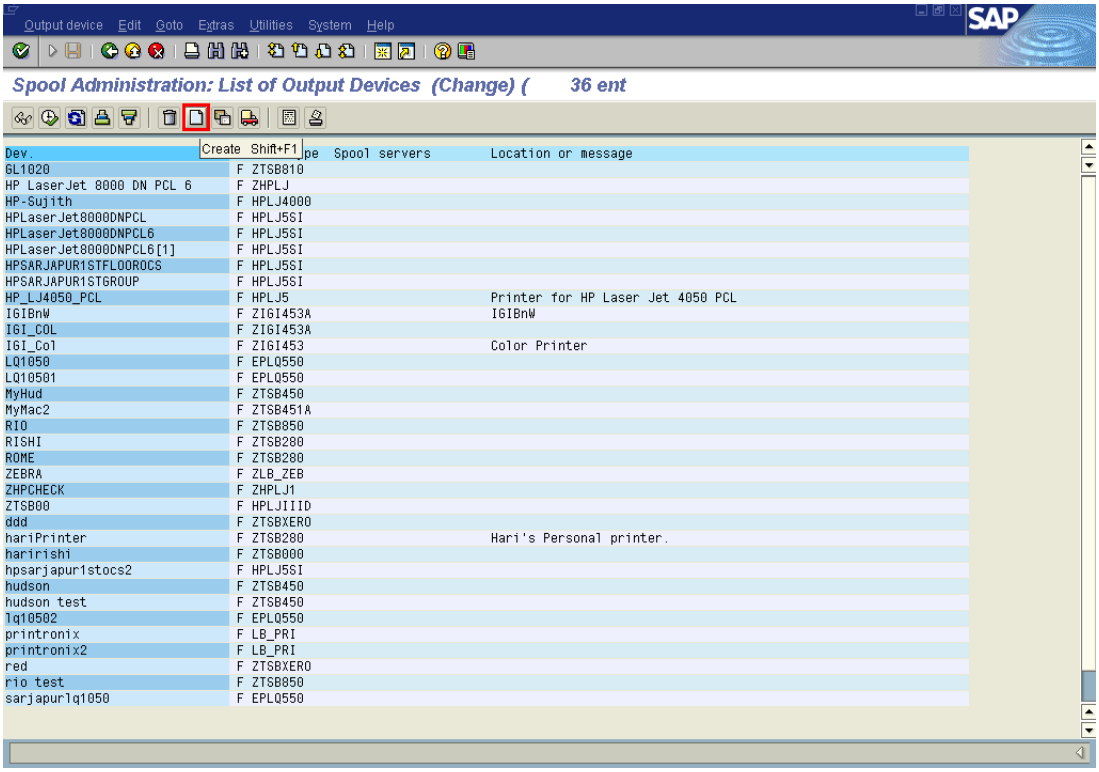
Click on the **"Output devices"** and the following screen is displayed.



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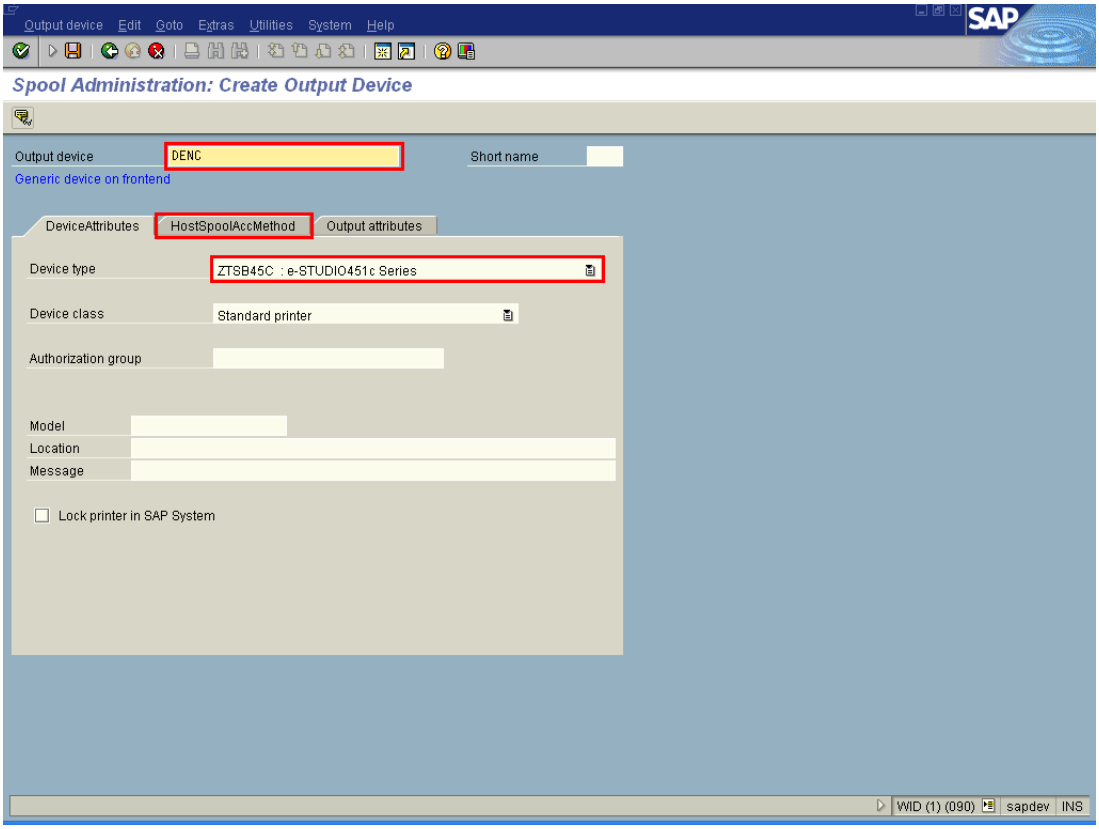
Press on the **"Create"** button, the following screen will be displayed.



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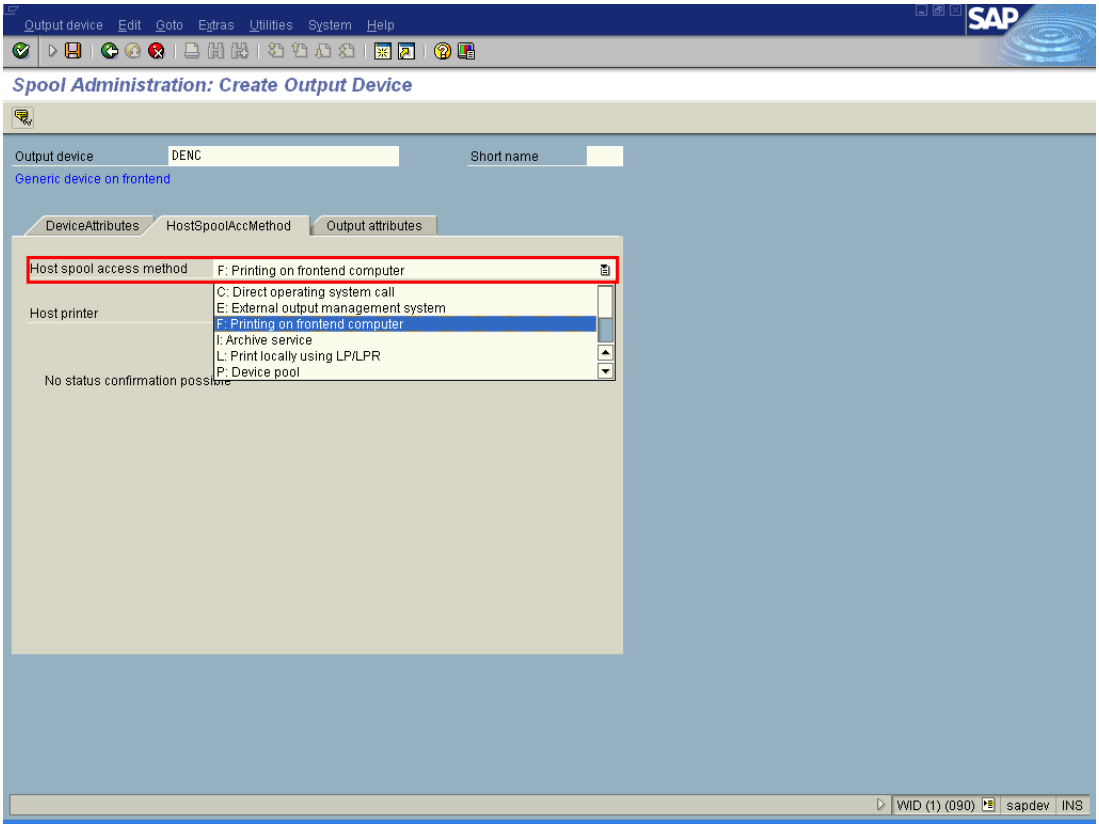
Enter the printer name (**DENC** in the above mentioned example)
Associate output device **ZTSB45C: e-STUDIO451c** Series device type.
Make sure Device class is "Standard printer".
Click **"HostSpoolAccMethod"** to visit next part of output device configuration as shown in following screen.

Subsequently choose the appropriate **"Host spool access method"** in the screen displayed below. Here it is selected as **"F"**.



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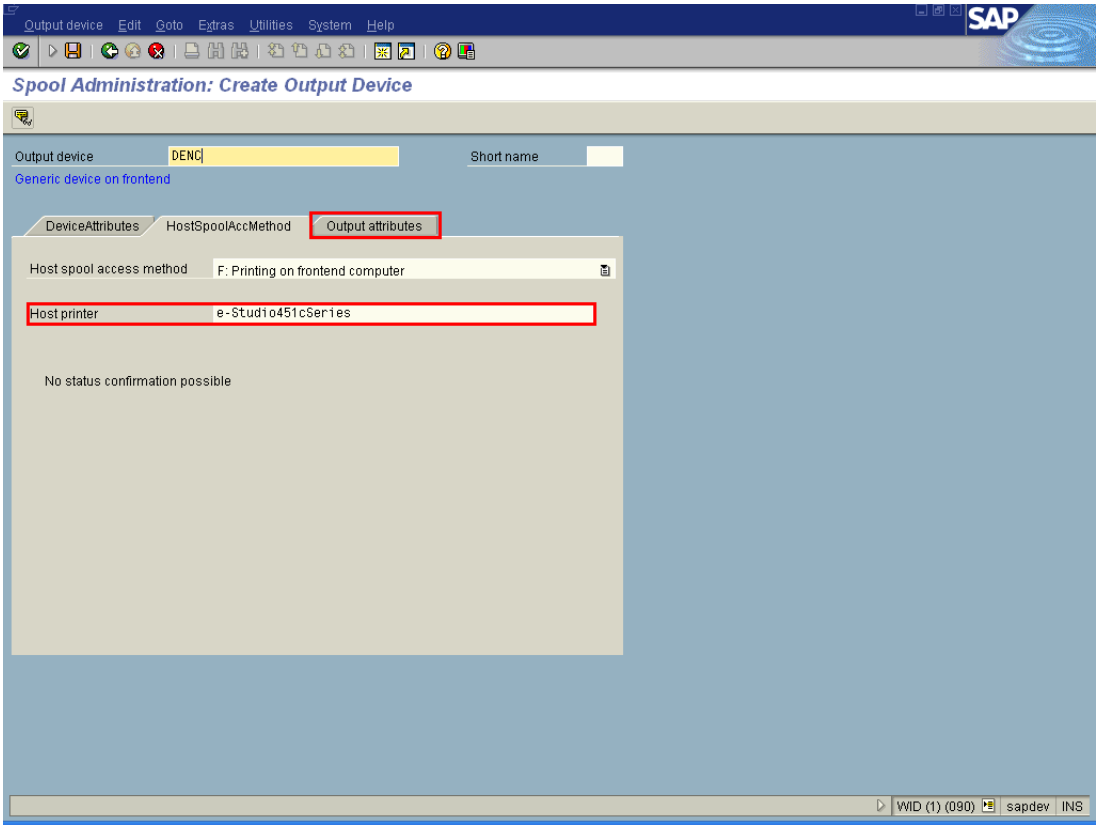

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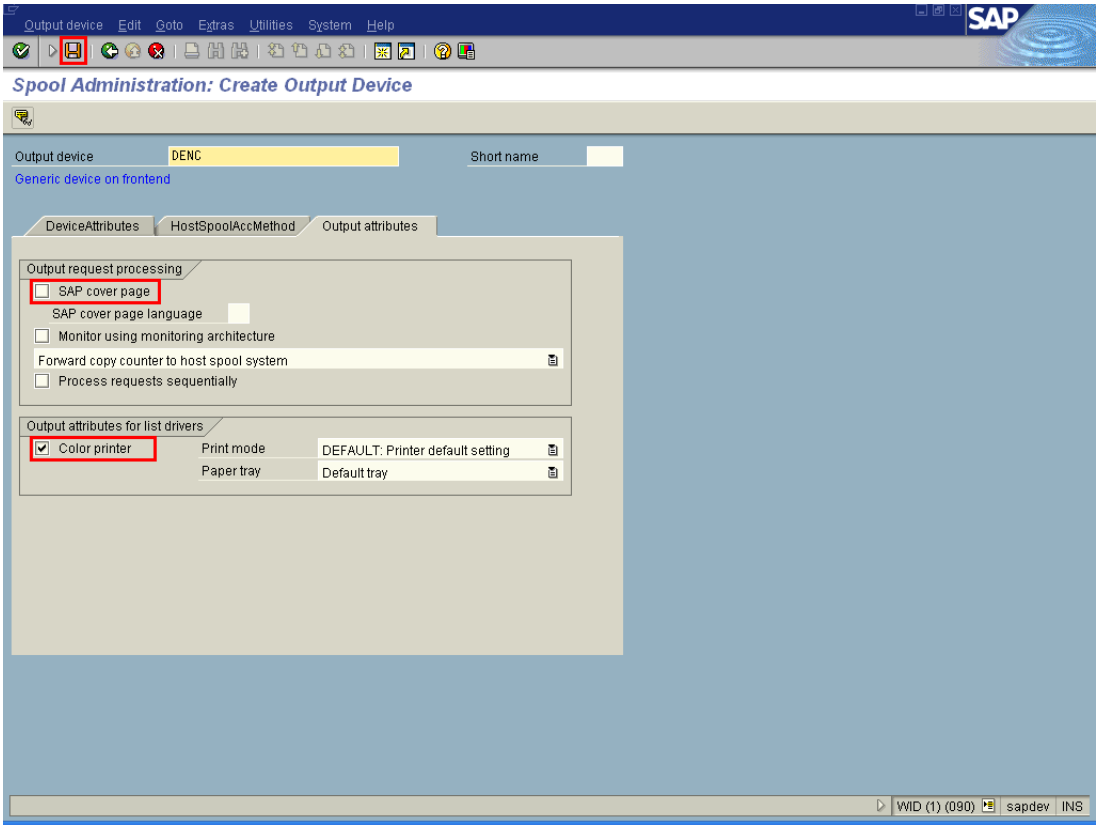
Enter the **Host printer** name e-Studio451cSeries.
Click on **Output attributes** to visit, next part of output device configuration.



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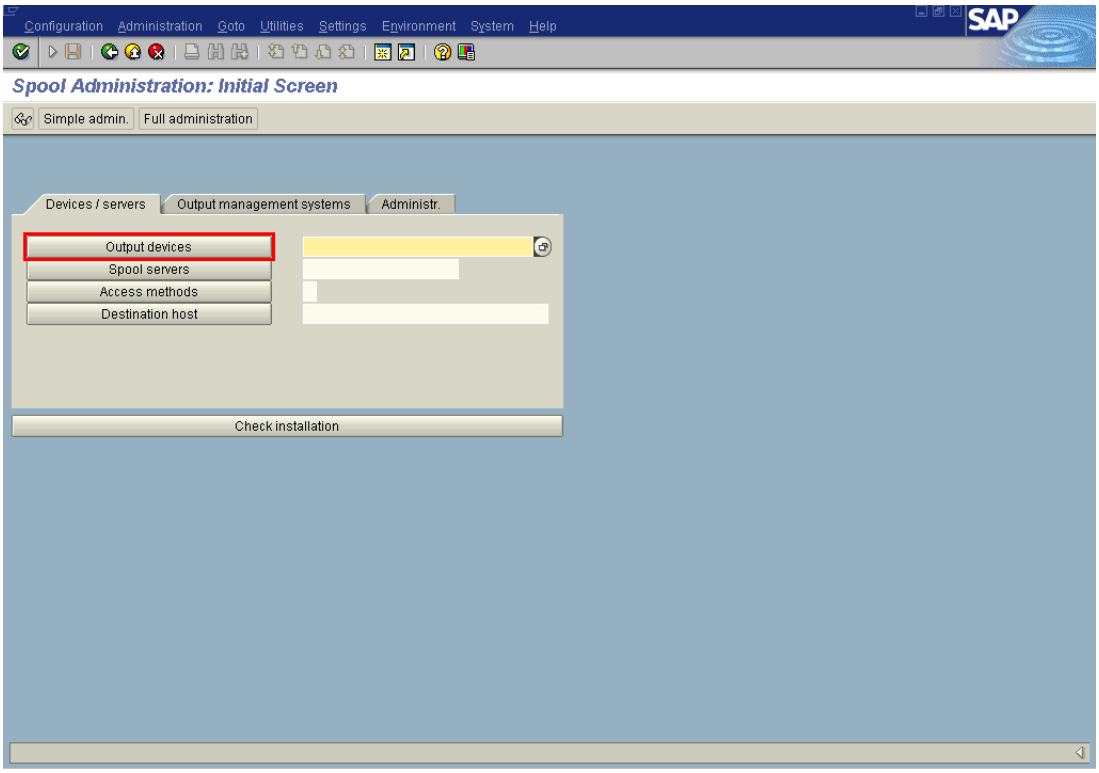
(Optional), Administrator can enable printer for printing **cover page** by checking this check box.
If color printing is desired, then check **"Color printer"**.
Press **"SAVE"** and the Output device will be created.

6. Verification of Output Device

Once the output device is created, it needs to be verified whether the newly created output device appears in the standard list of all output device in SAP R/3 or not. To verify this same, follow the steps given below.

In the initial screen of SAP, type the transaction code "SPAD" in the command window and press "Enter", the following screen is displayed.



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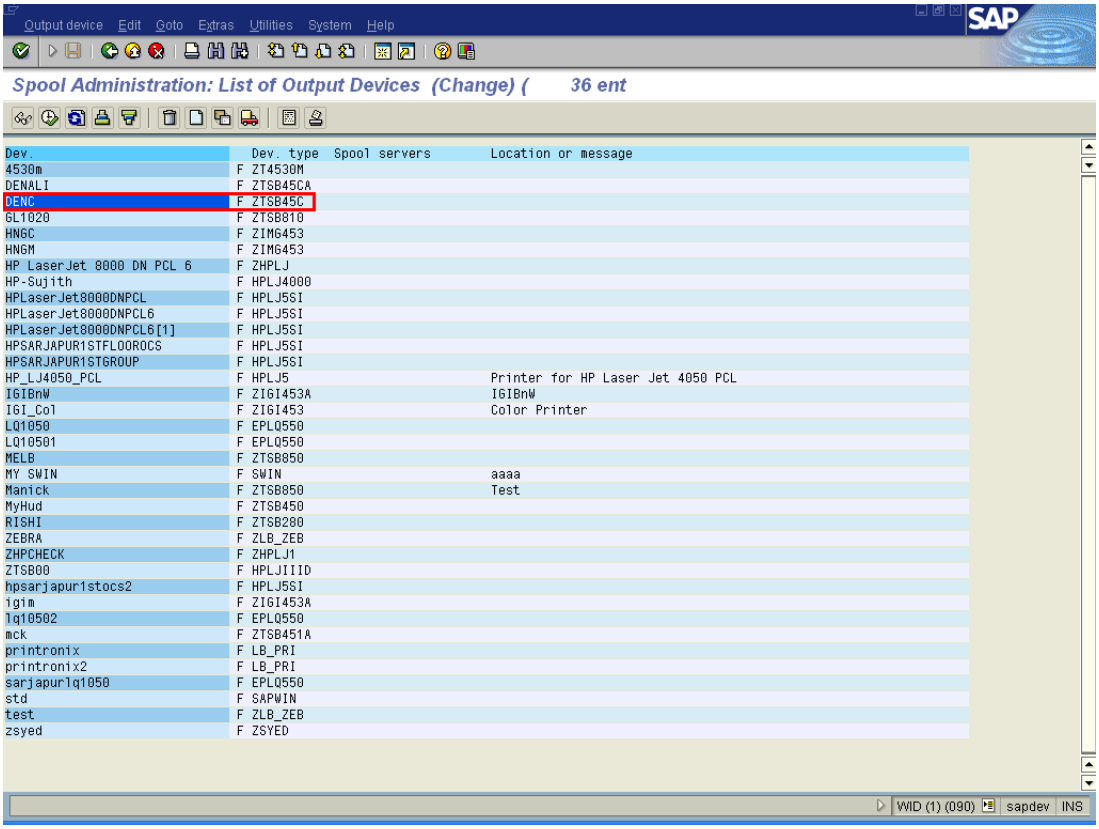
Click on the **Output devices** to get list of all output device configured on the SAP/R3 system. Newly created output device **DENC** should appear in this list.



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Newly created output device **DENC** should appears in the list. If newly created output device (NEW) is now displayed in the list, repeat the process of creating output device.

7. Specific Features and Configuration

7.1 Pure black and Pure gray mode Selection

Following PJL would be used to achieve vaNewus pure black and pure gray mode selection:

Pure black mode OFF
@PJL COMMENT DSSC PRINT PUREGRAY=0
@PJL COMMENT DSSC PRINT PUREBLACK=0
Pure black mode ON
@PJL COMMENT DSSC PRINT PUREGRAY=0
@PJL COMMENT DSSC PRINT PUREBLACK=1
Pure gray mode ON
@PJL COMMENT DSSC PRINT PUREGRAY=1
@PJL COMMENT DSSC PRINT PUREBLACK=0

7.2 Image Quality Type Selection

Following PJL would be used to achieve vaNewus Image quality type selection:

Normal quality output
@PJL COMMENT DSSC PRINT DOCUMENTTYPE=NORMAL
Photograph quality output
@PJL COMMENT DSSC PRINT DOCUMENTTYPE=PHOTO
Presentation quality output
@PJL COMMENT DSSC PRINT DOCUMENTTYPE=PRESEN
Line art quality output
@PJL COMMENT DSSC PRINT DOCUMENTTYPE=LINEART

7.3 Halftone Type Selection

Following PJL would be used to achieve vaNewus halftone type selection:

Halftone auto output
@PJL COMMENT DSSC PRINT SCREENTYPE=AUTO
Halftone detail output
@PJL COMMENT DSSC PRINT SCREENTYPE=DETAIL
Halftone smooth output
@PJL COMMENT DSSC PRINT SCREENTYPE=SMOOTH

7.4 Black over print mode Selection

Following PJL would be used to achieve vaNewus black over print mode selection:

Black over print mode OFF
@PJL COMMENT DSSC PRINT BLACKOVERPRINT=0
Black over print mode ON
@PJL COMMENT DSSC PRINT BLACKOVERPRINT=1

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2006-09