

MULTIFUNCTIONAL DIGITAL SYSTEMS

SAP R/3 Printing Device Type File Installation Guide

e-STUDIO2330c/2820c/2830c/3520c/3530c/4520c

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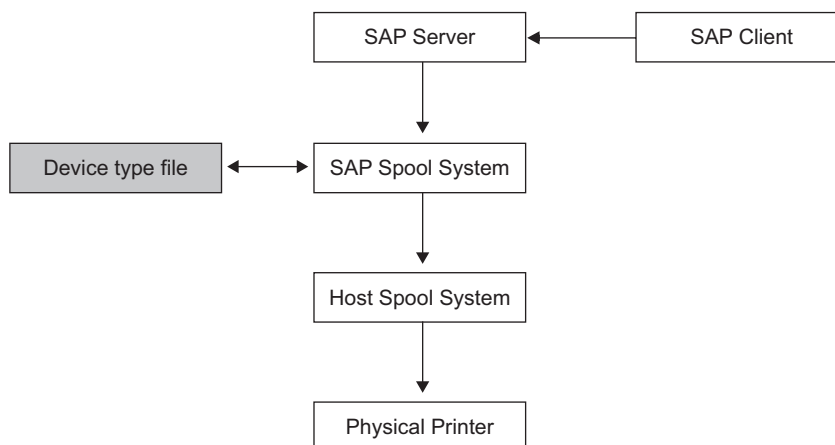
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1

Introduction

This document describes the step-wise procedure to install and configure the device type for Toshiba e-STUDIO4520C Series printers in SAP R/3. SAP administrator can implement the printer specific features by inserting the necessary PCL/PCL commands given in the Device configuration section. The version of the SAP environment used is 4.7.

■ 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

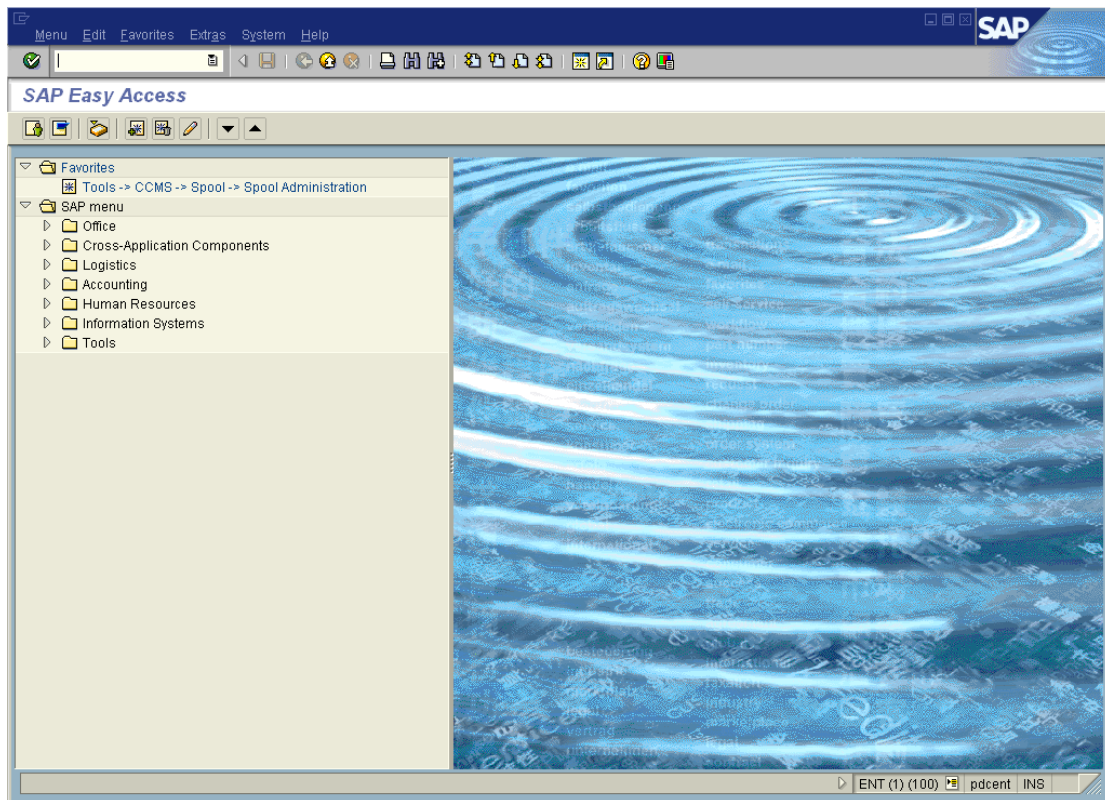
| Device type | Supported features | Limitation |
|--------------|---|---|
| ZTSB45D.PRI | Color printing is supported for ABAP listing and SAP forms. | Cover page printing is not supported for ABAP listing. |
| ZTSB45DA.PRI | Color printing is supported for SAP forms. | Color Printing is not supported for ABAP list printing. |

The installation procedure for "ZTSB45D.PRI" is described in this guide.
If you want to use the cover page printing function, install "ZTSB45DA.PRI".
However, color printing using ABAP cannot be performed.

3

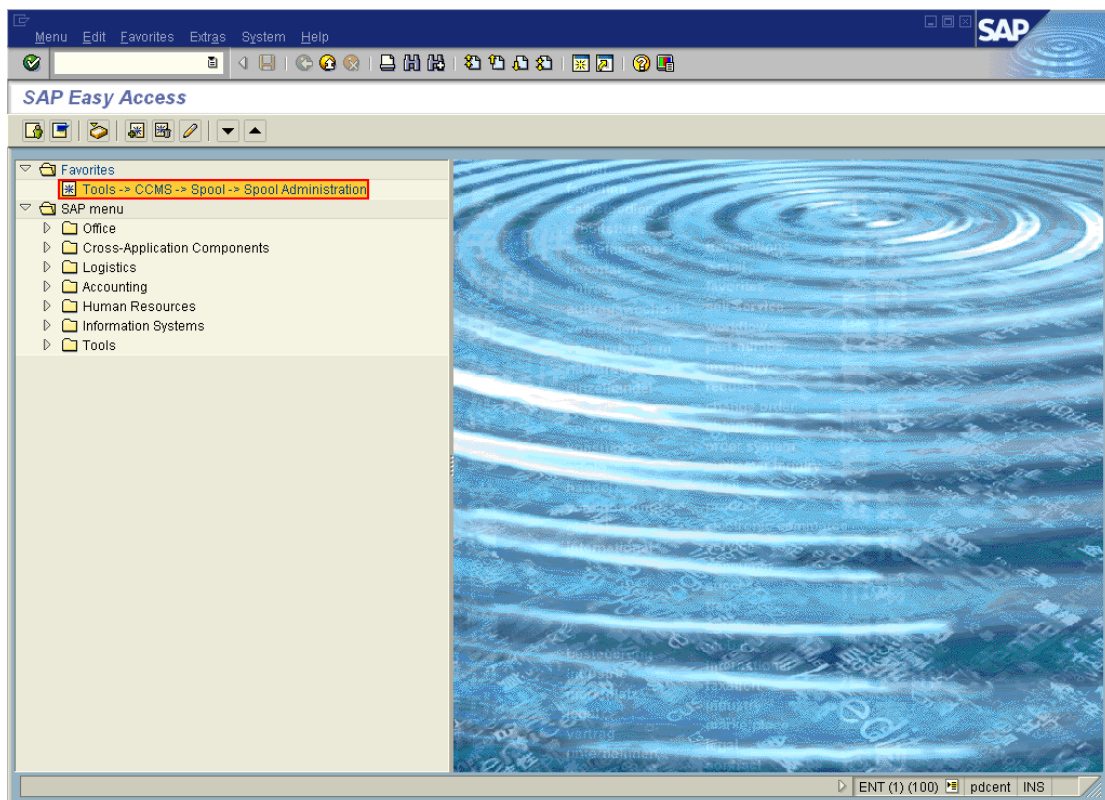
Installation

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.



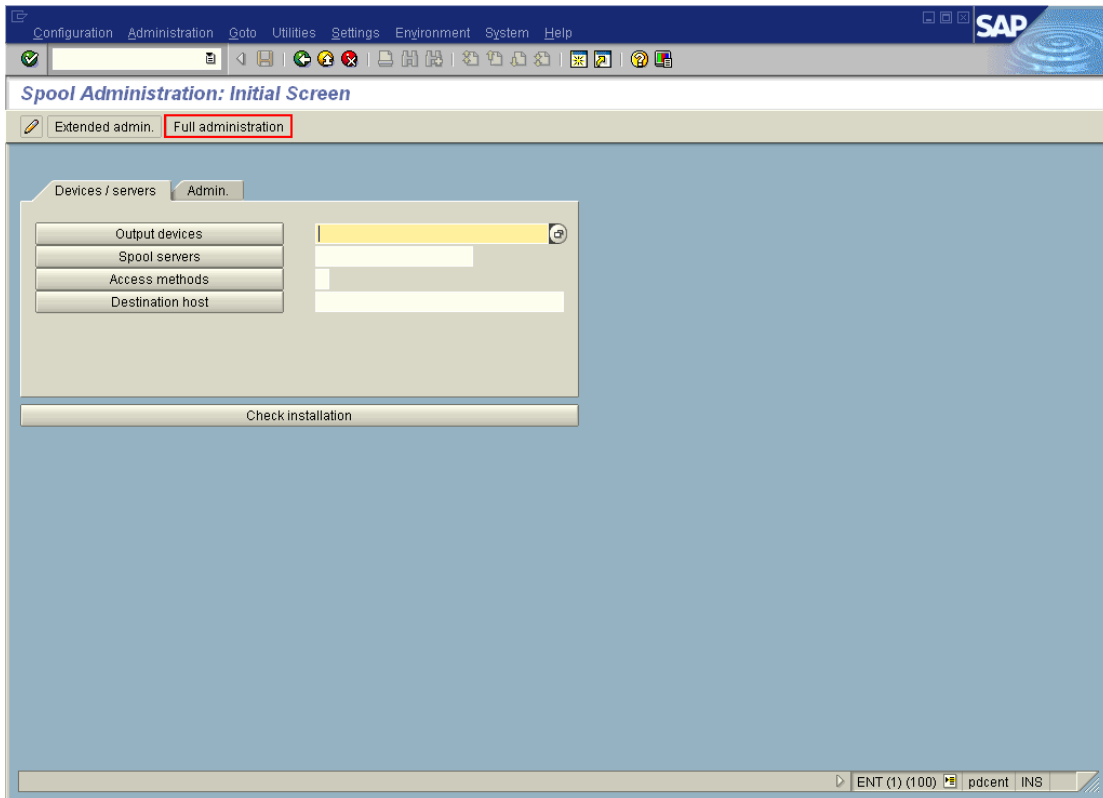
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Click on the **“Spool Administration”** tab.



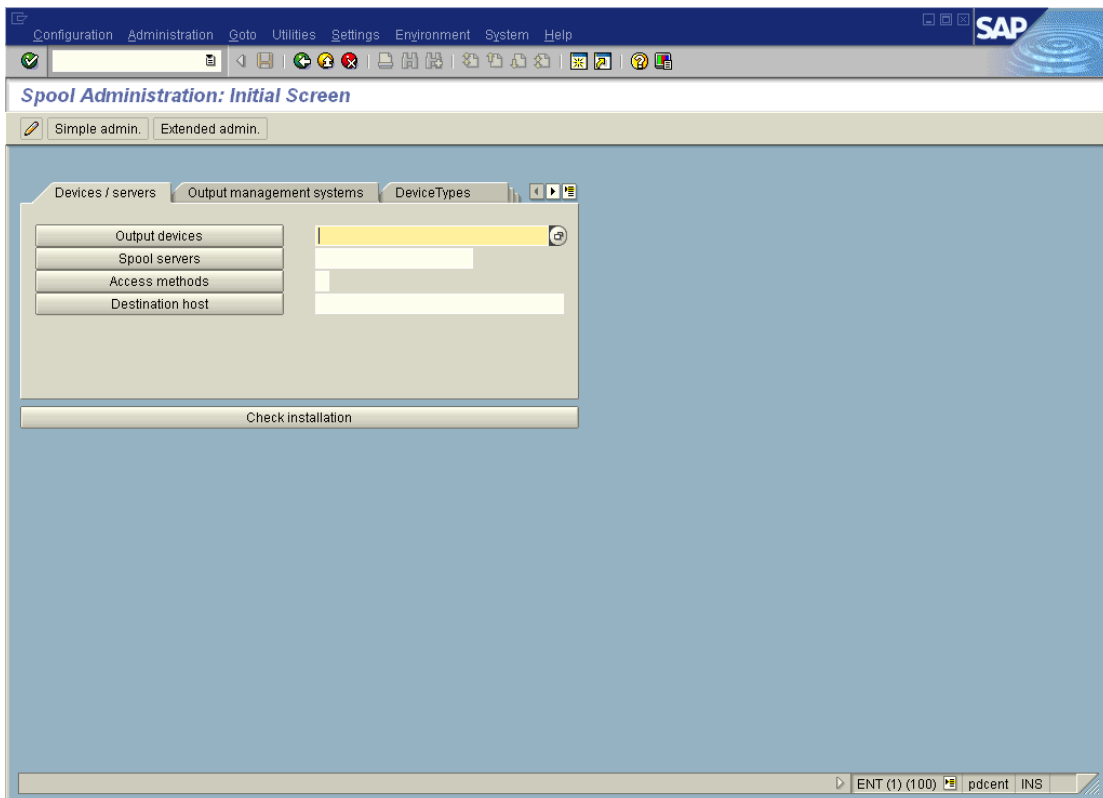
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Once you Press enter, the following screen is displayed.



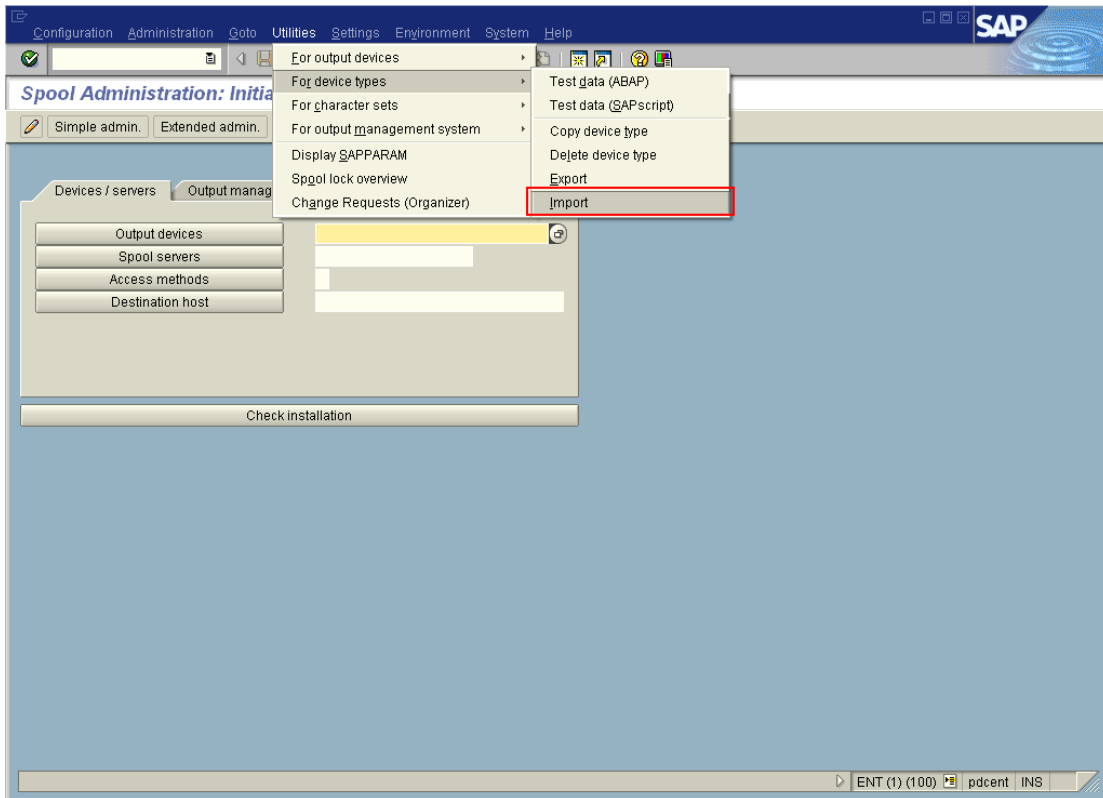
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Press on the push-button **"Full administration"**. The following screen is displayed.



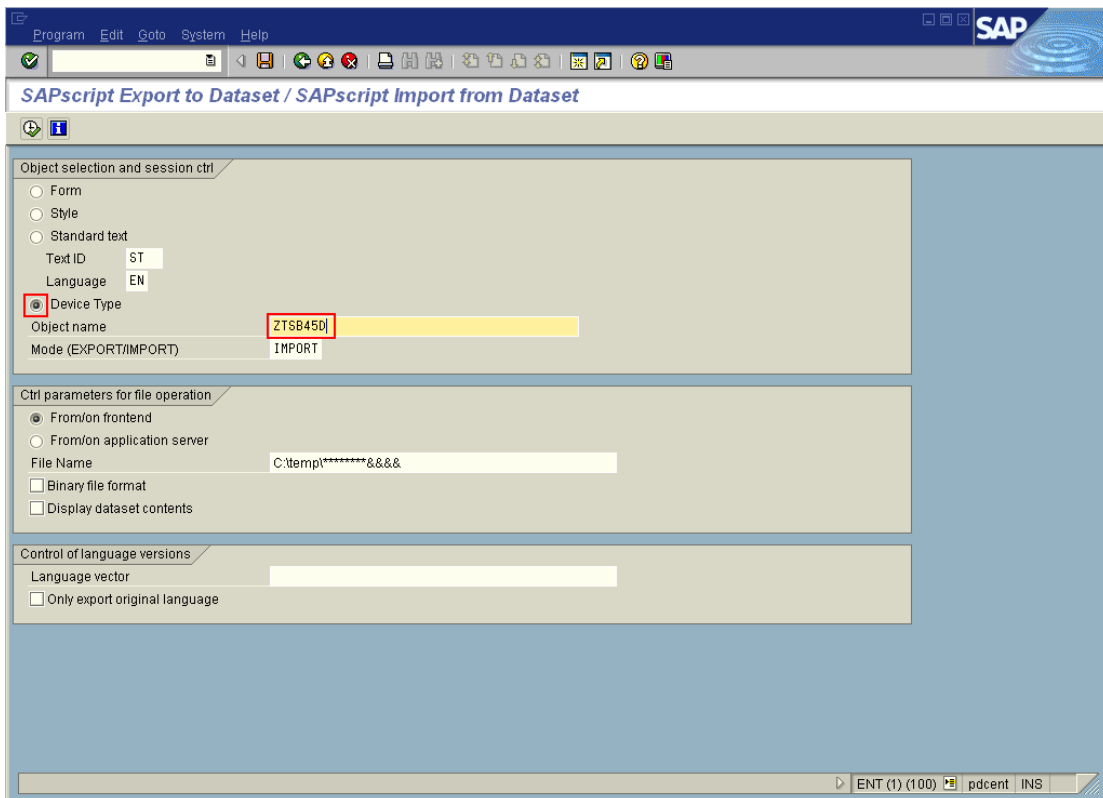
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In the menu bar, go to **"Utilities"** -> **"For device types"** -> **"Import"** as displayed in the following screen.



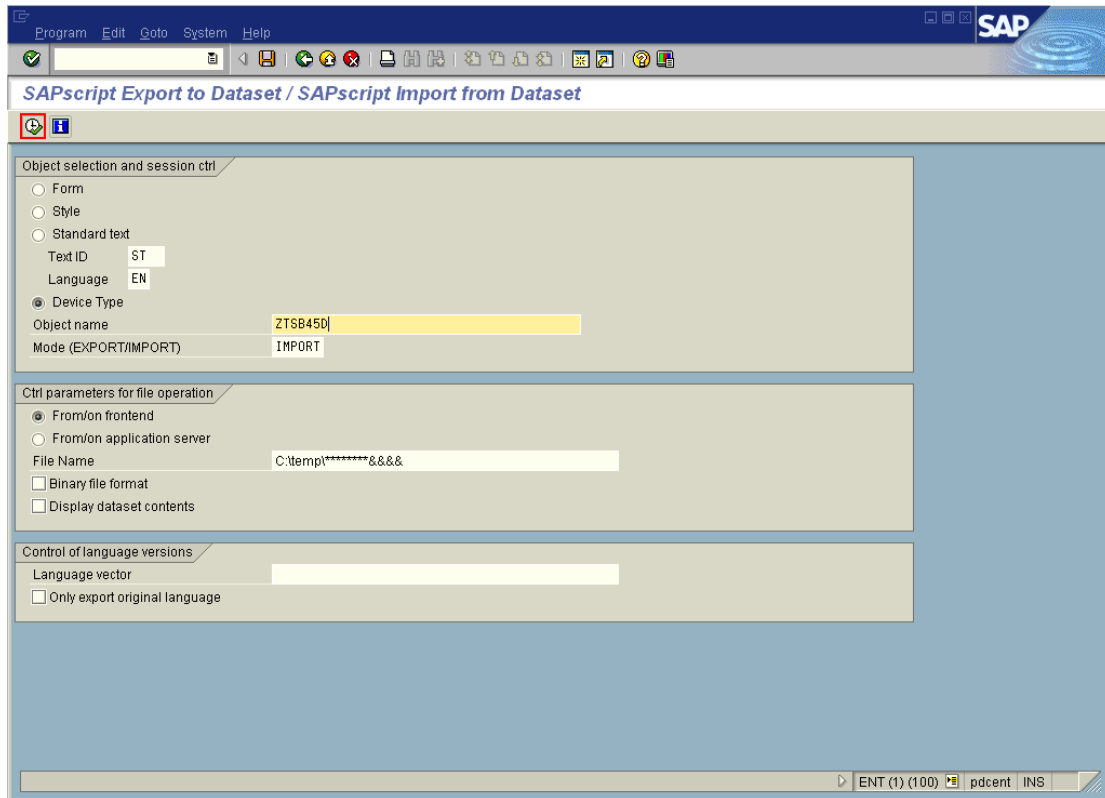
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Once you press “**Import**”, the following screen is displayed.



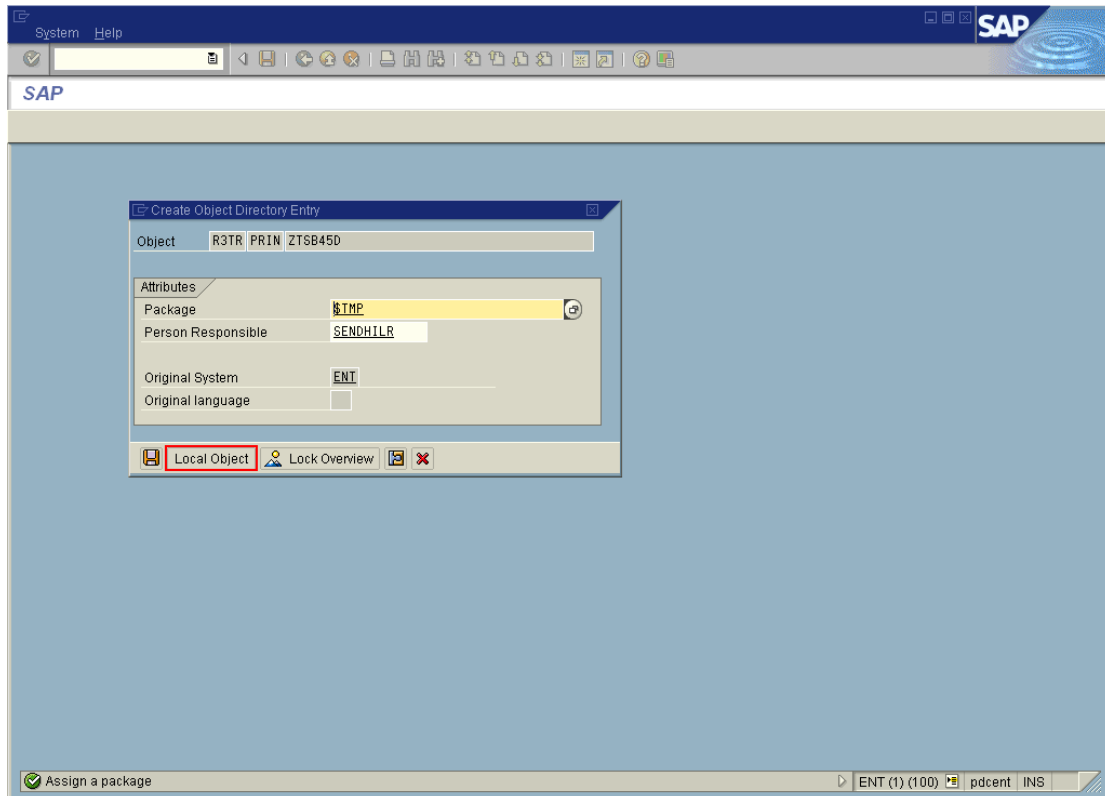
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Select the radio button “**Device Type**” and enter the name of the device type (.PRI) file without file extension in the input field box “**Object name**”. (E.g. if the device type file name is ZTSB45D.pri only ZTSB45D) as shown in the screen above. Make sure the entry in the field **Mode (EXPORT/IMPORT)** is written as “**IMPORT**”.



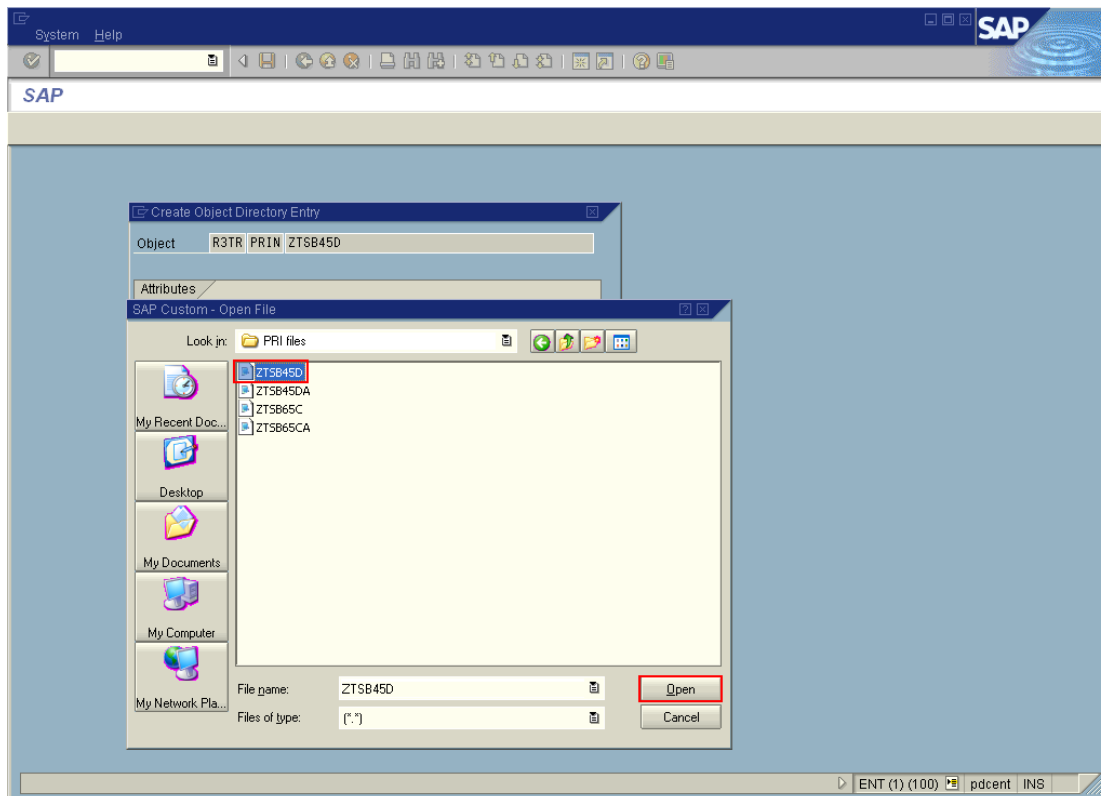
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Press “F8” to proceed with import. The following screen will be displayed.



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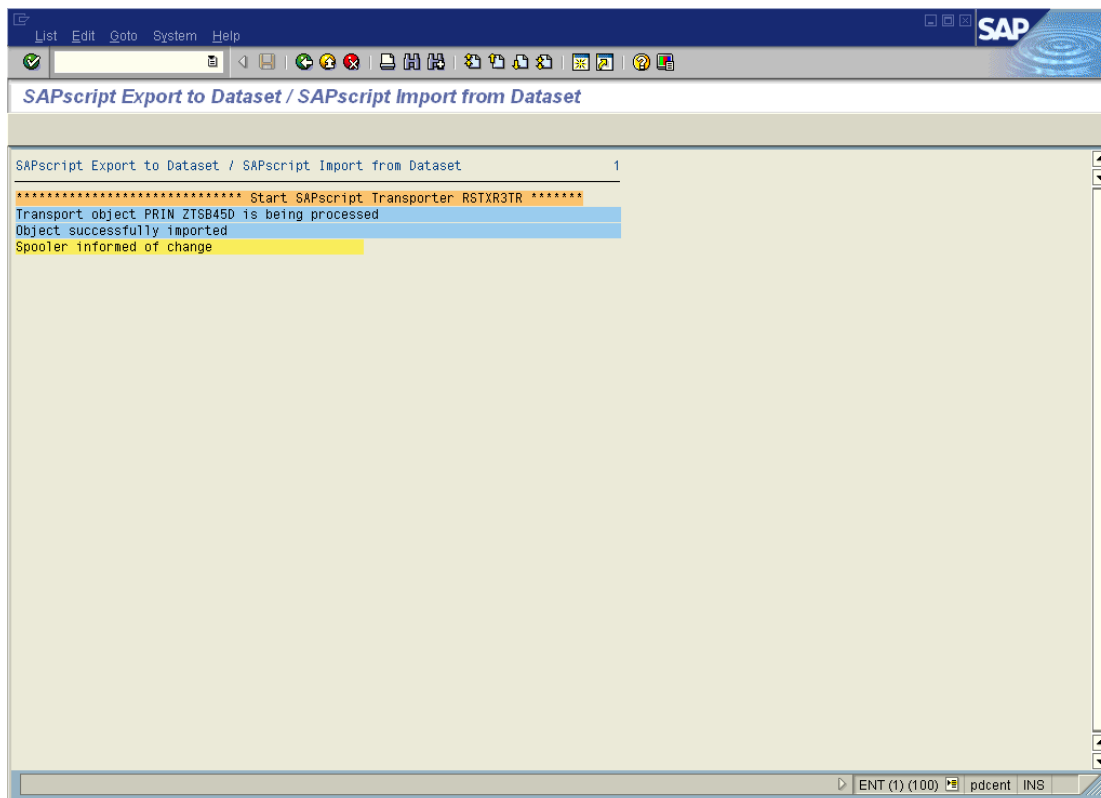
To locate the ZTSB45D.PRI (or ZTSB45DA.PRI) on local system, press Local Object . The following screen will be displayed.



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Locate the ZTSB45D.pri file (ZTSB45DA.pri file), and press **open**.
Import process will start as soon as **open** is pressed.

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



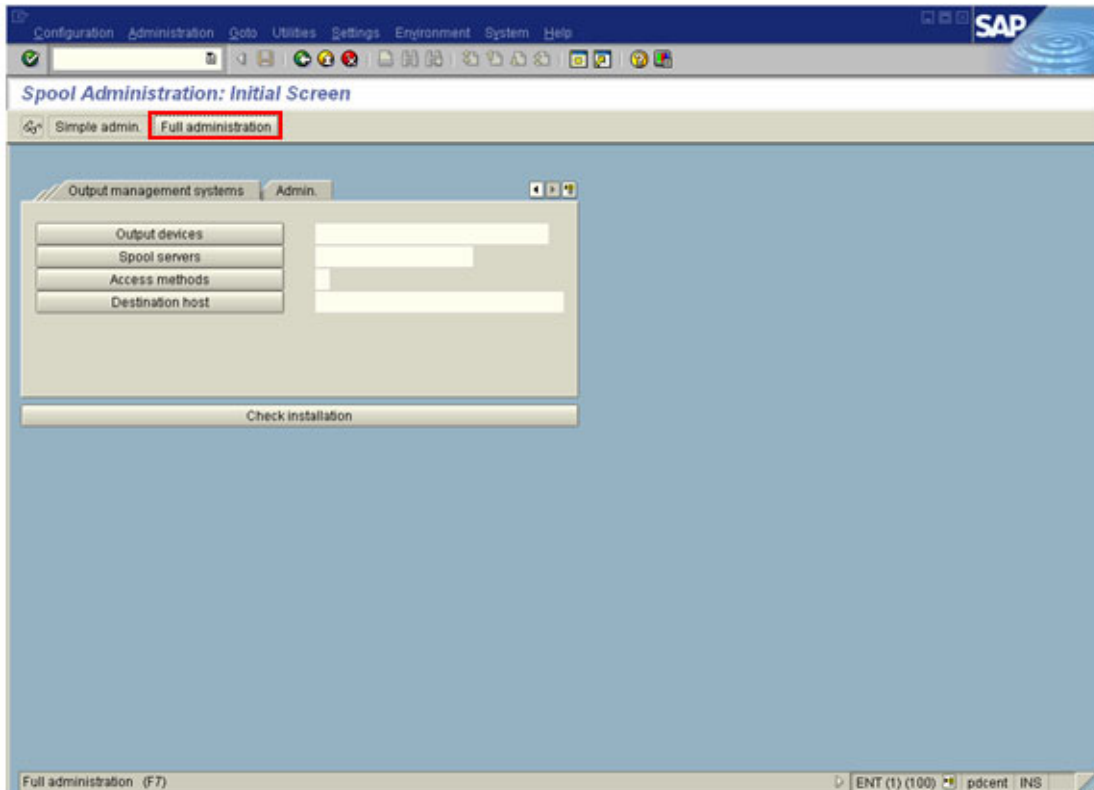
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Verification of Device Type File

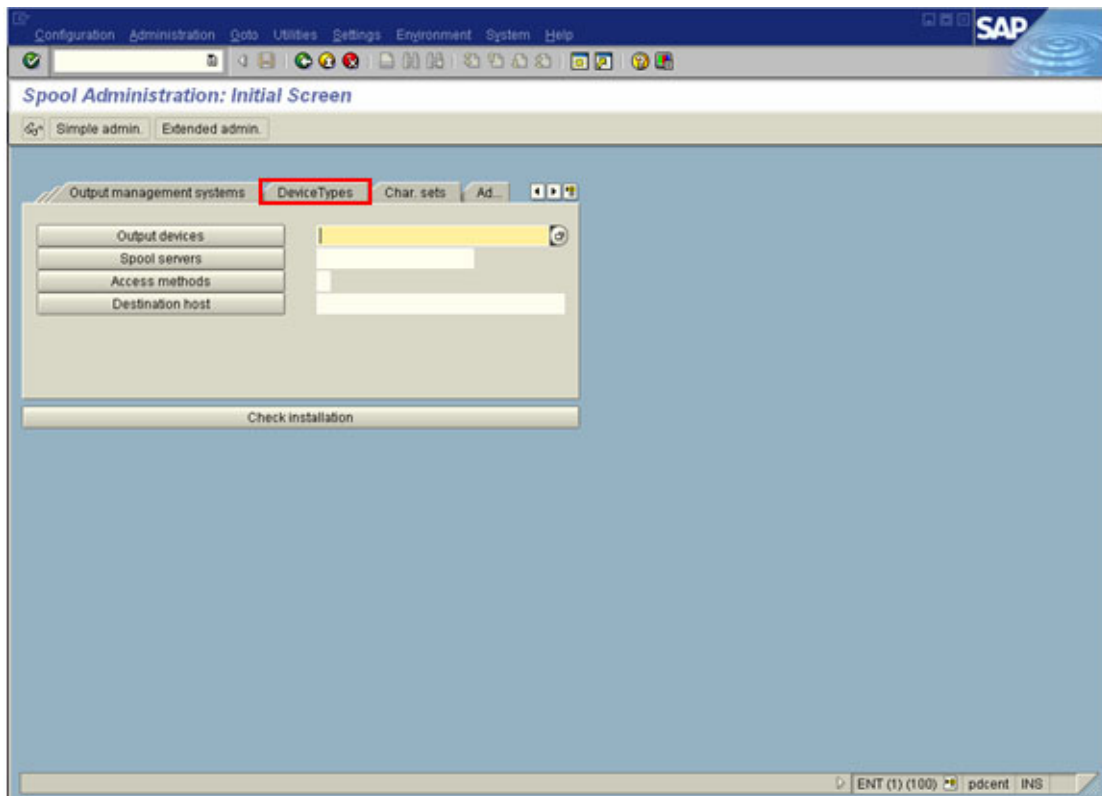
Once the device type is imported, it needs to be verified whether the newly imported device type appears in the standard list of all device types in SAP R/3 or not. To verify this same, follow the steps given below.

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



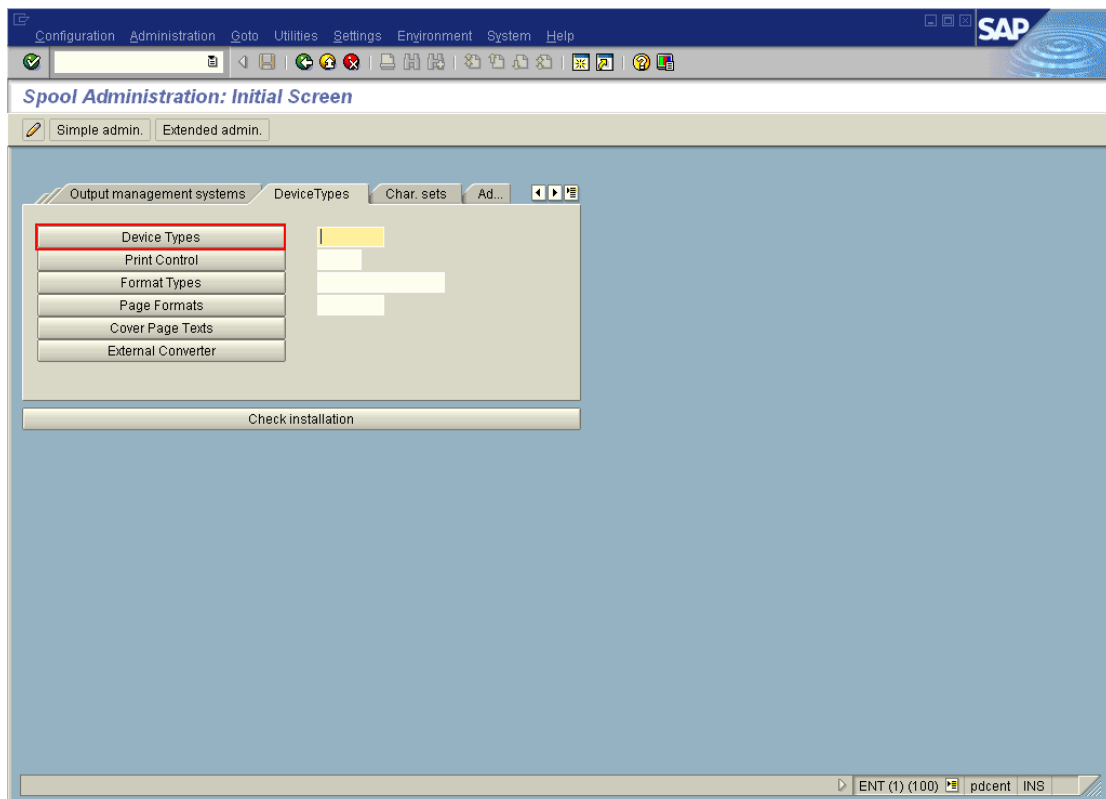
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Click on **Full administration** and the following screen will be displayed.



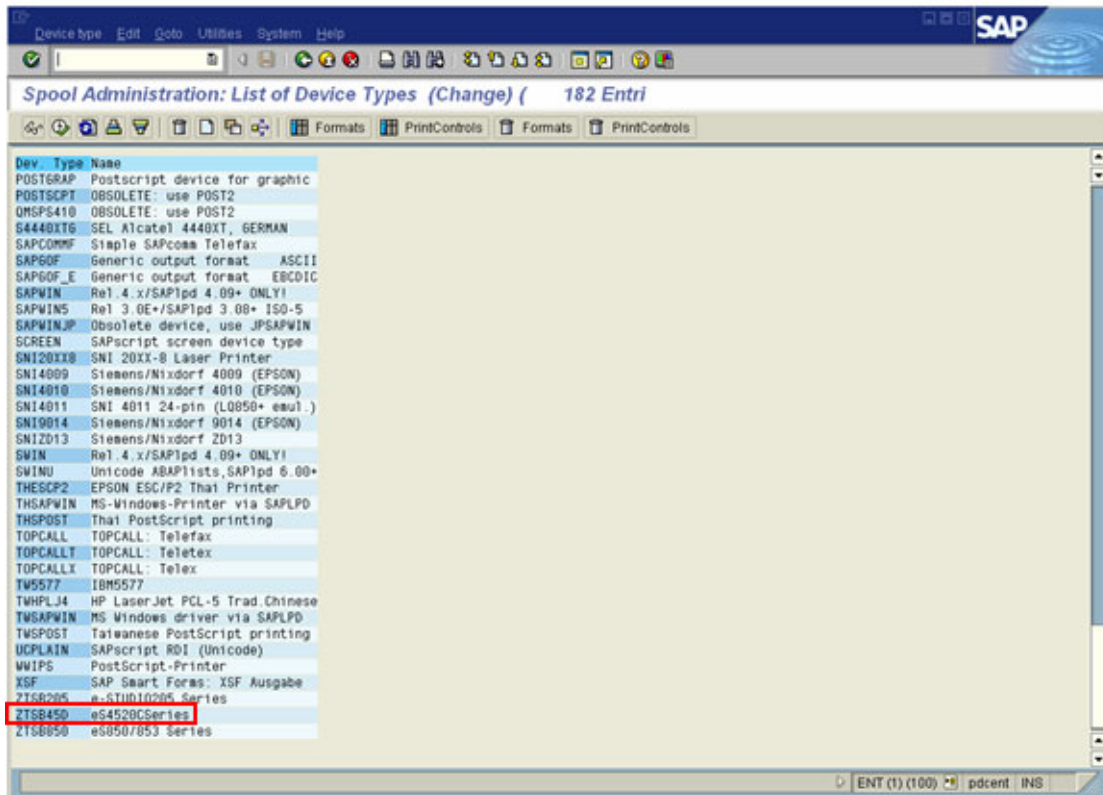
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Click on the **Device Types**.



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



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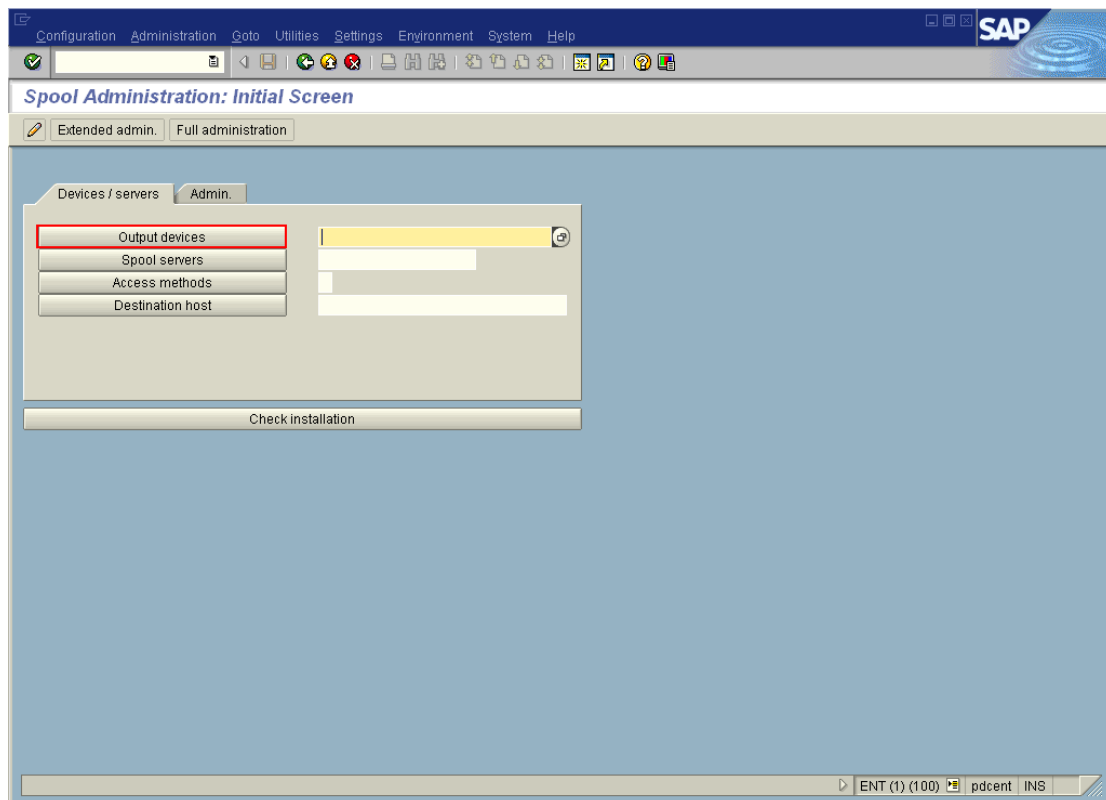
The newly imported device type **ZTSB45D** (or **ZTSB45DA**) should appear in this list of device type. If the **ZTSB45D** (or **ZTSB45DA**) is not displayed, it implies that import has not been successful for which the Installation procedure described earlier needs to be repeated and verified.

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Creation of Output Device

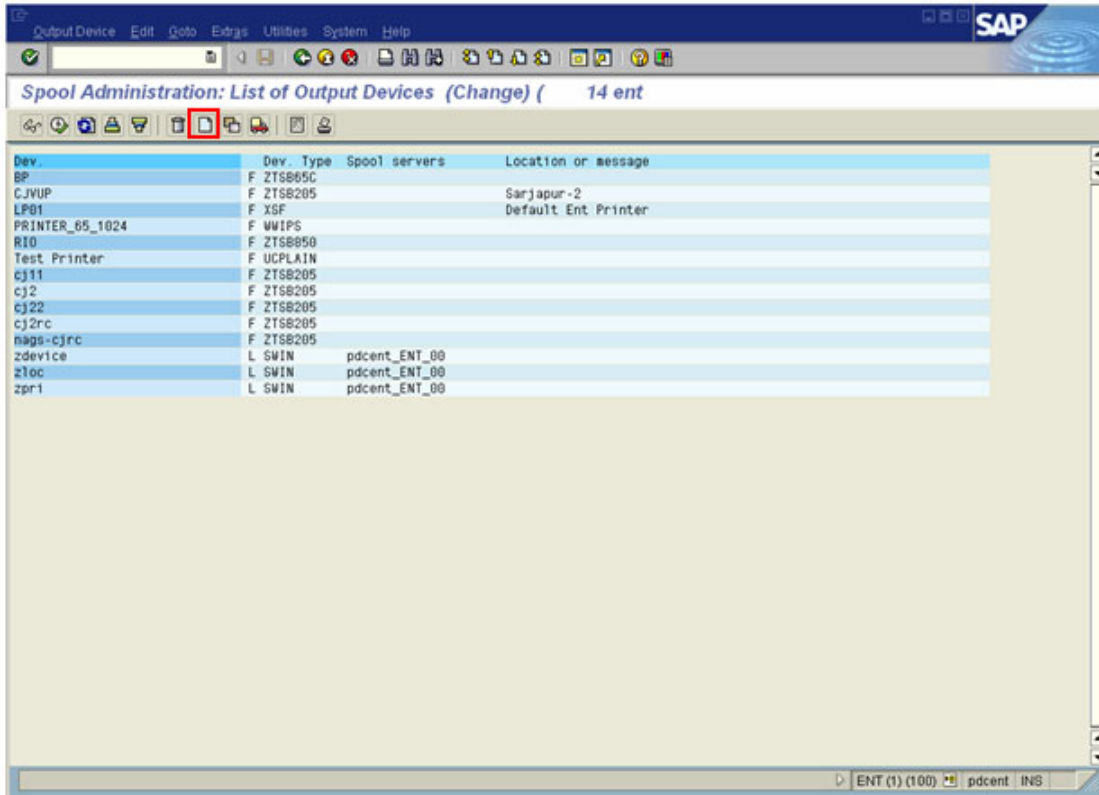
In SAP R/3, a device type needs to be assigned to an Output device to utilise its printing features. Follow the procedure describe below to create an output device and assign a device type to it.

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



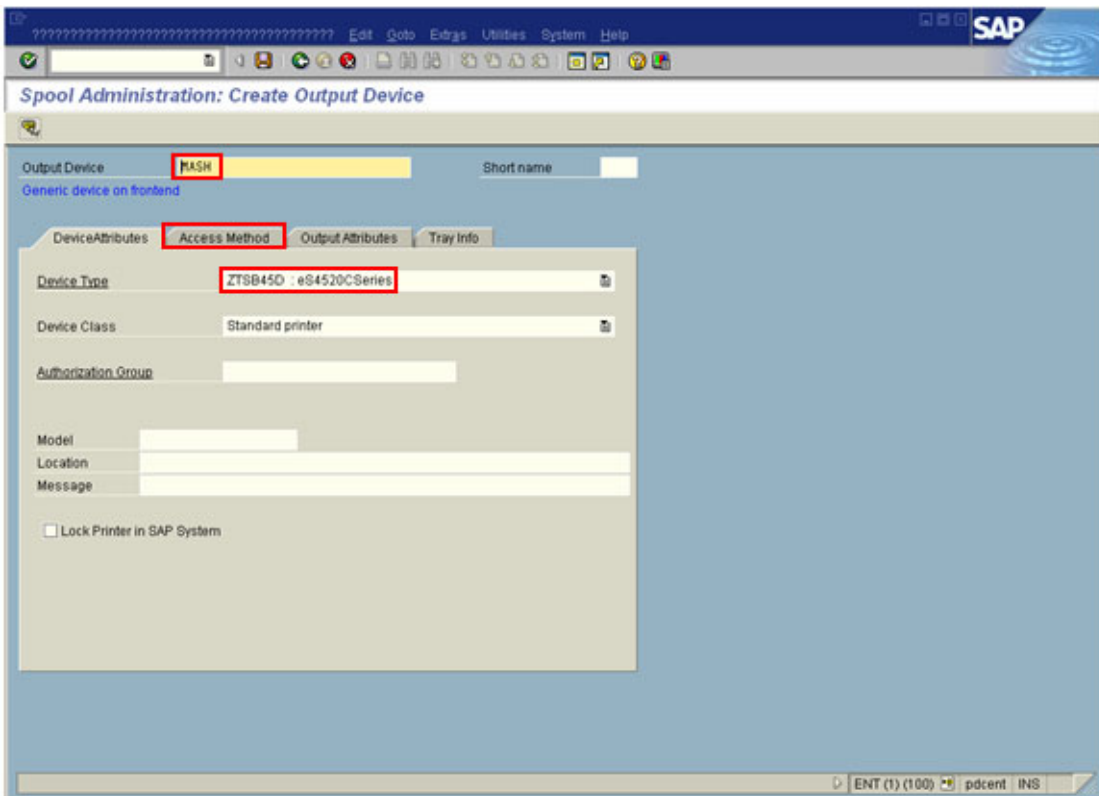
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Click on the "**Output devices**" and the following screen is displayed.



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

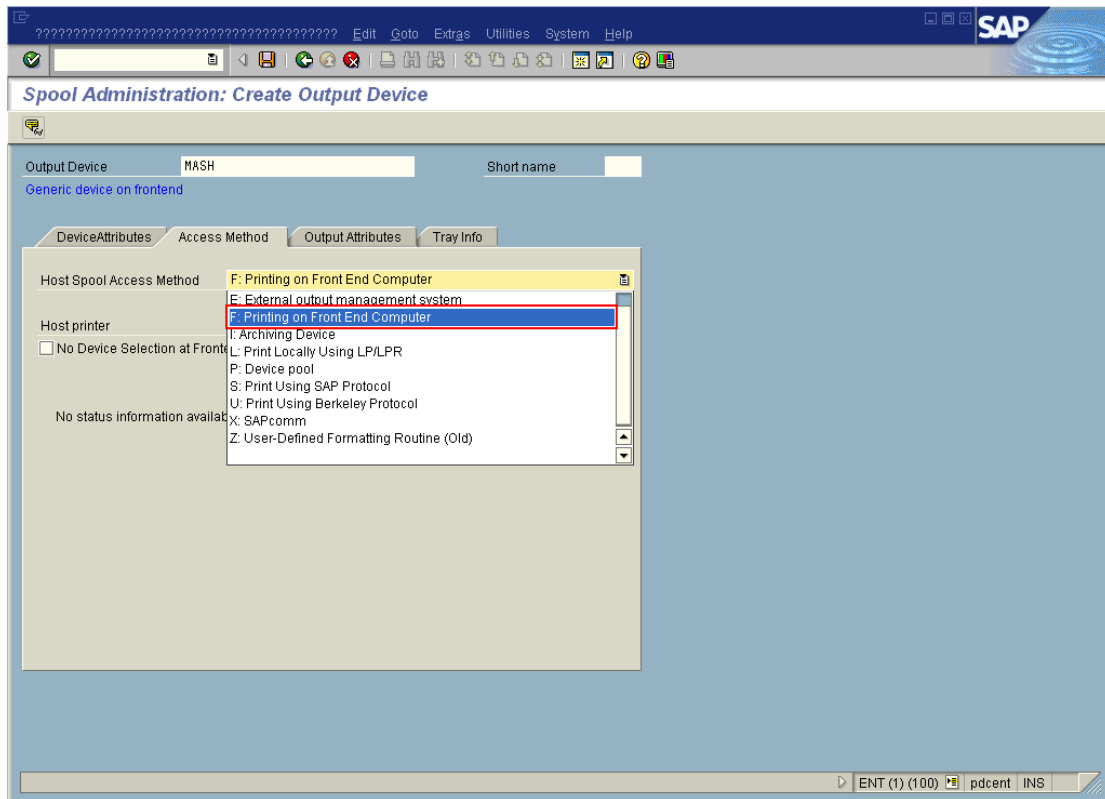


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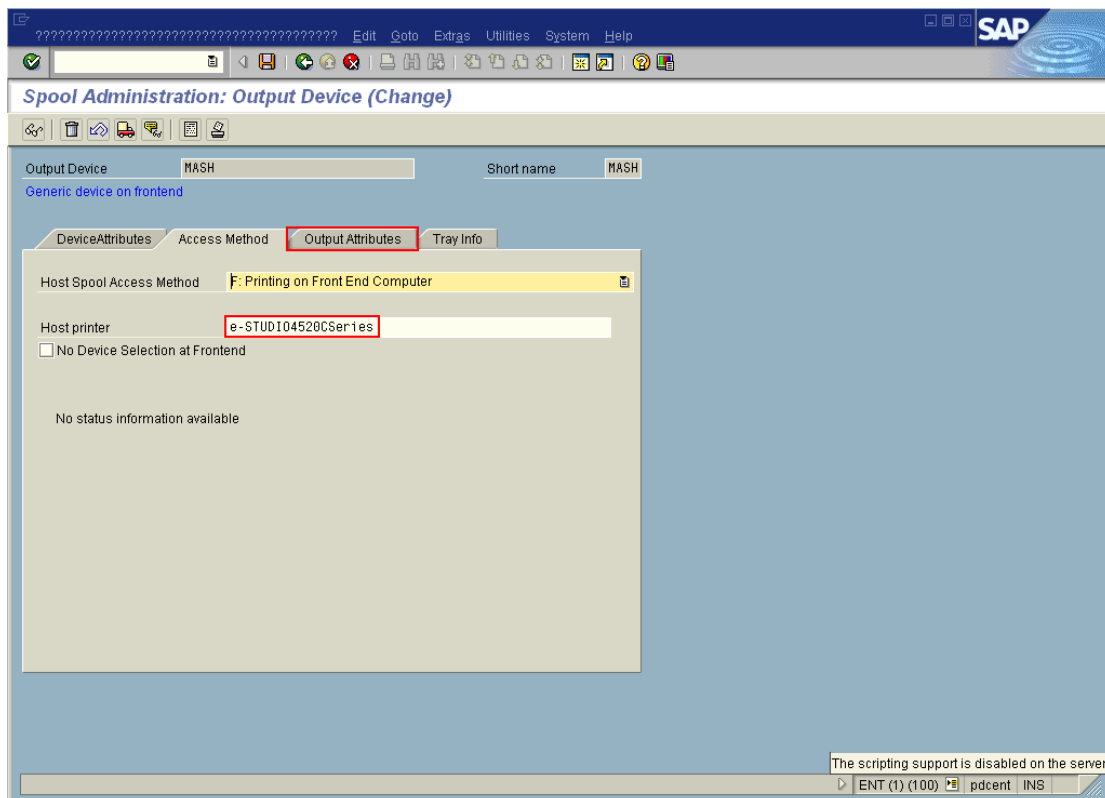
- Enter the printer name (**MASH** in the above mentioned example)
- Associate output device **ZTSB45D: eS4520C Series** device type.
- Make sure Device class is "Standard printer".

- Click **"Access Method"** 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"**.



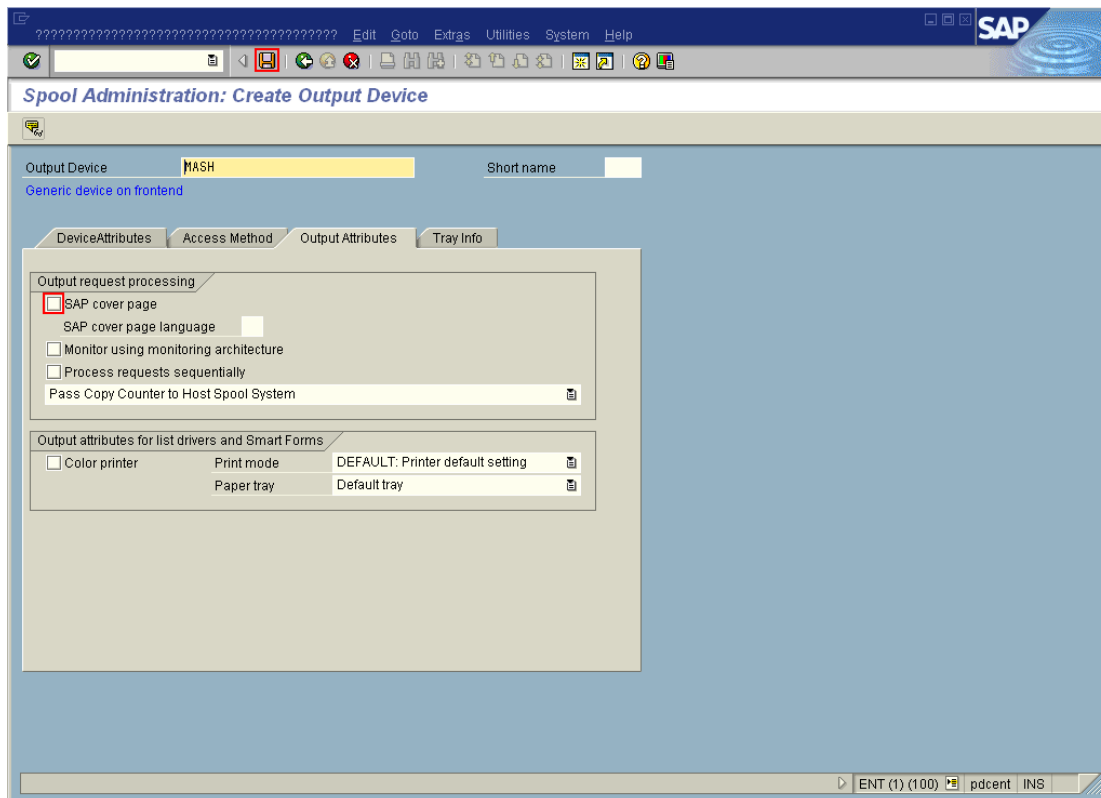
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Enter the **Host printer** name e-STUDIO4520C Series.

Click on **Output Attributes** to visit, next part of output device configuration.



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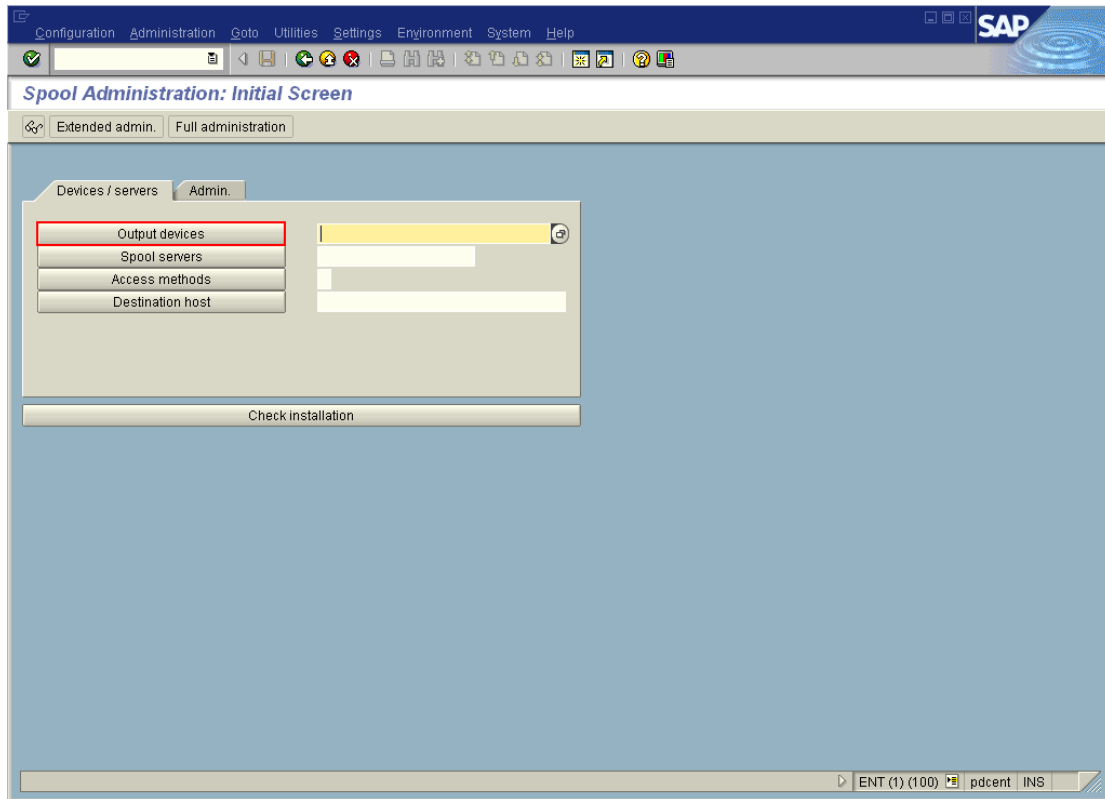
- (Optional), Administrator can enable printer for printing **cover page** by checking this check box.
- Press "**SAVE**" and the Output device will be created.

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Verification of Output Device

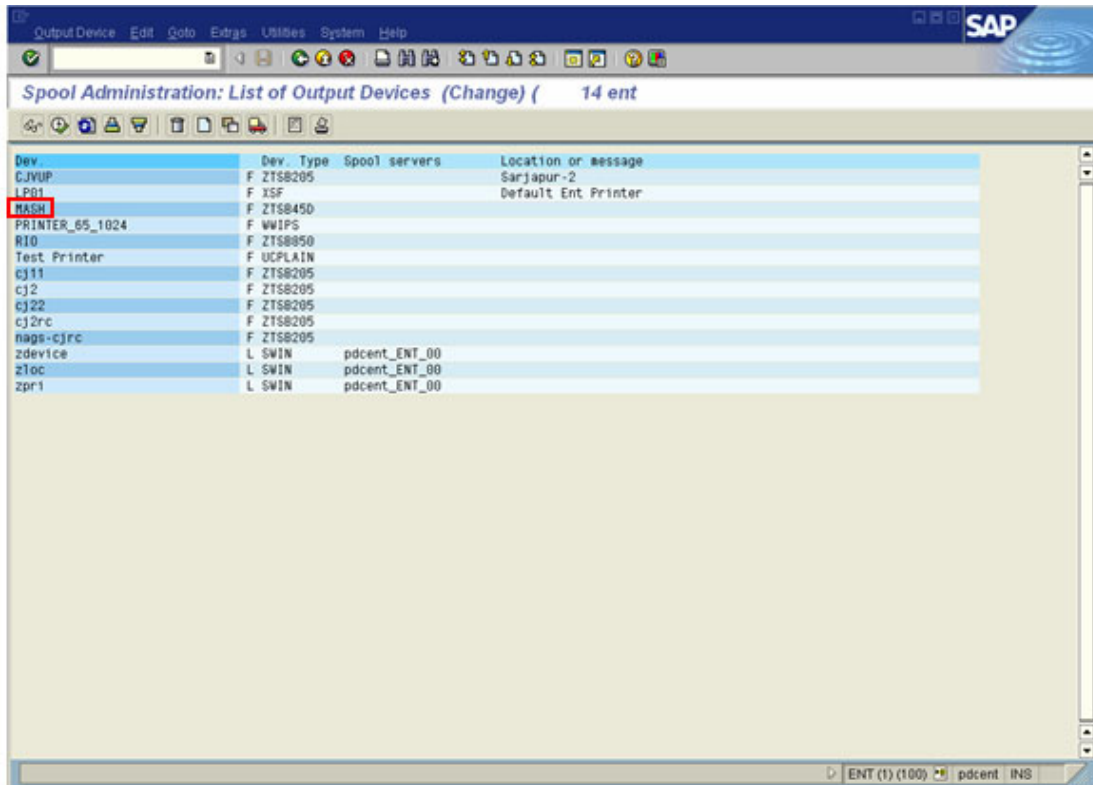
Once the output device is created, it needs to be verified whether the newly created output device appears in the standard list of all output device in SAP R/3 or not. To verify this same, follow the steps given below.

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 **MASH** (or **MASHDA**) should appear in this list.



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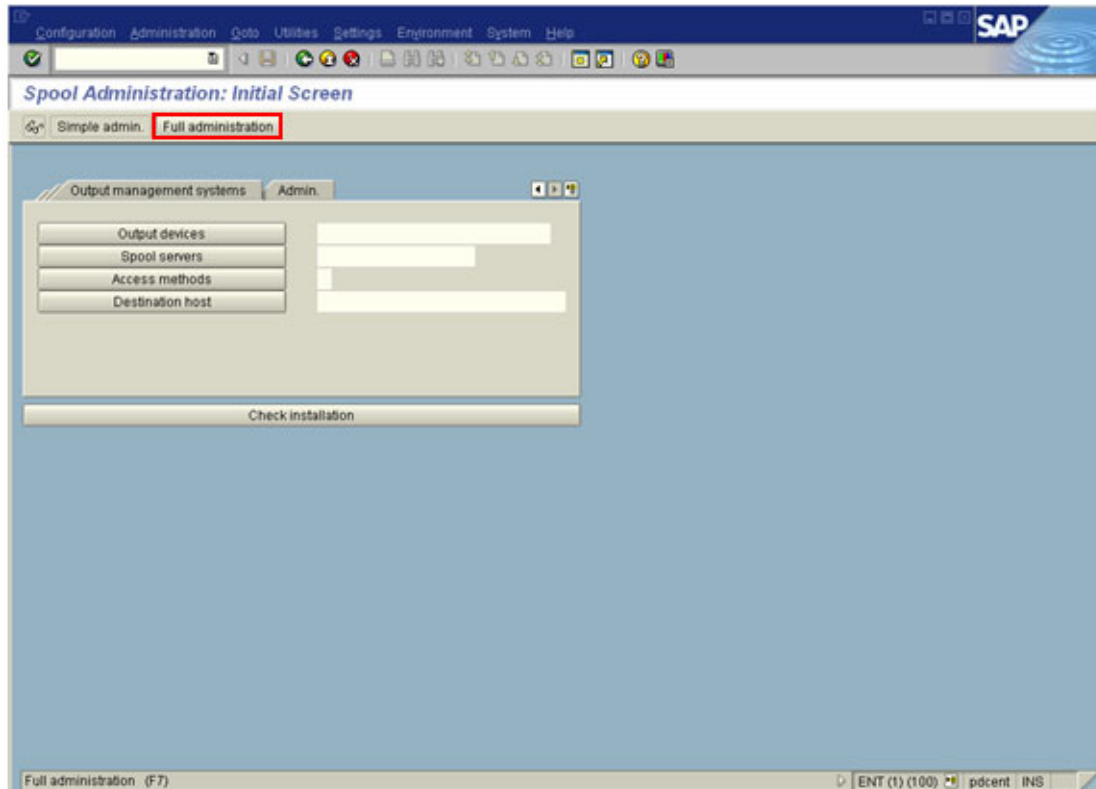
Newly created output device **MASH** (or **MASHDA**) should appear in the list. If newly created output device (NEW) is now displayed in the list, repeat the process of creating output device.

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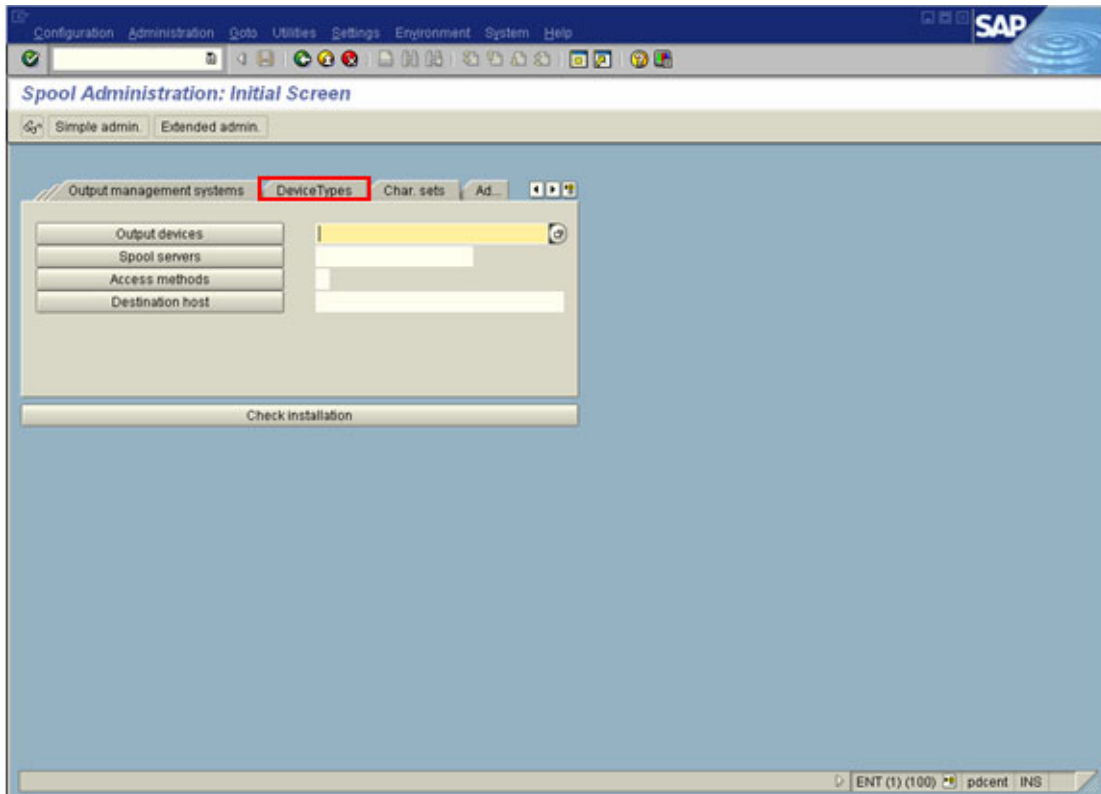
Editing the Device Type File

Once the device type is imported and verified whether the newly imported device type appears in the standard list of all device types in SAP R/3 or not, device type file can be edited as per the requirement. To edit the device type file, 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.

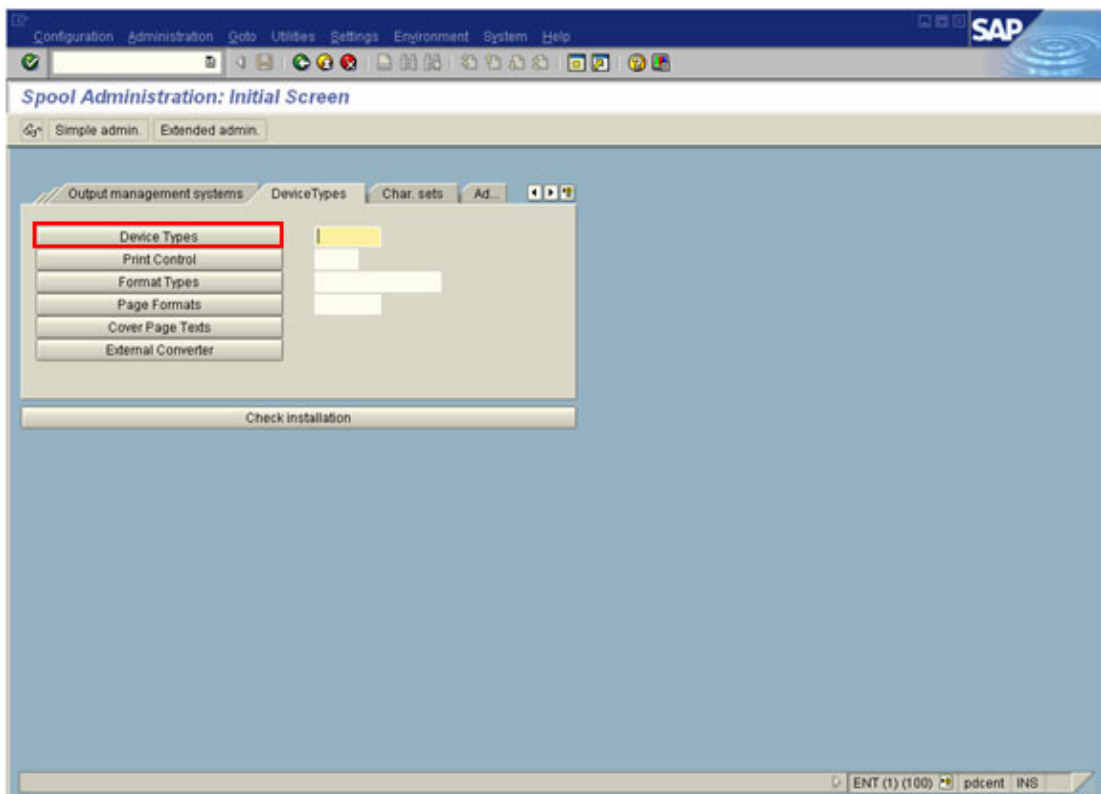


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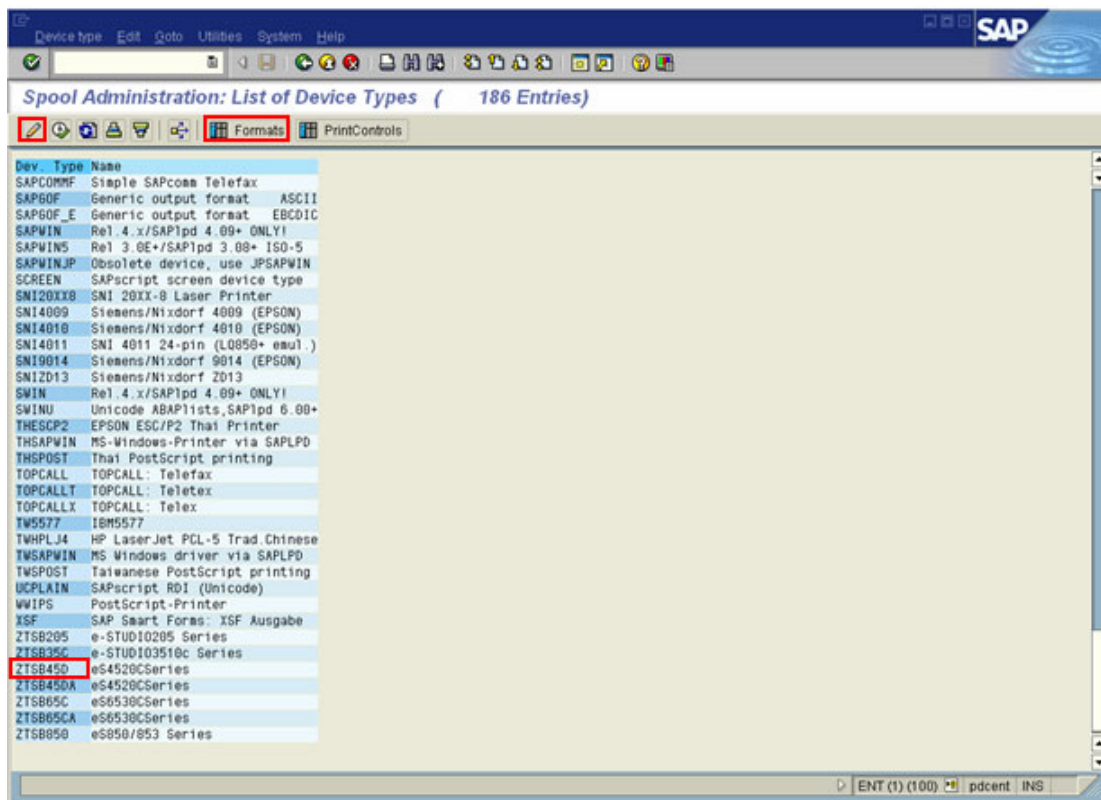
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Click on the **Device Types**.



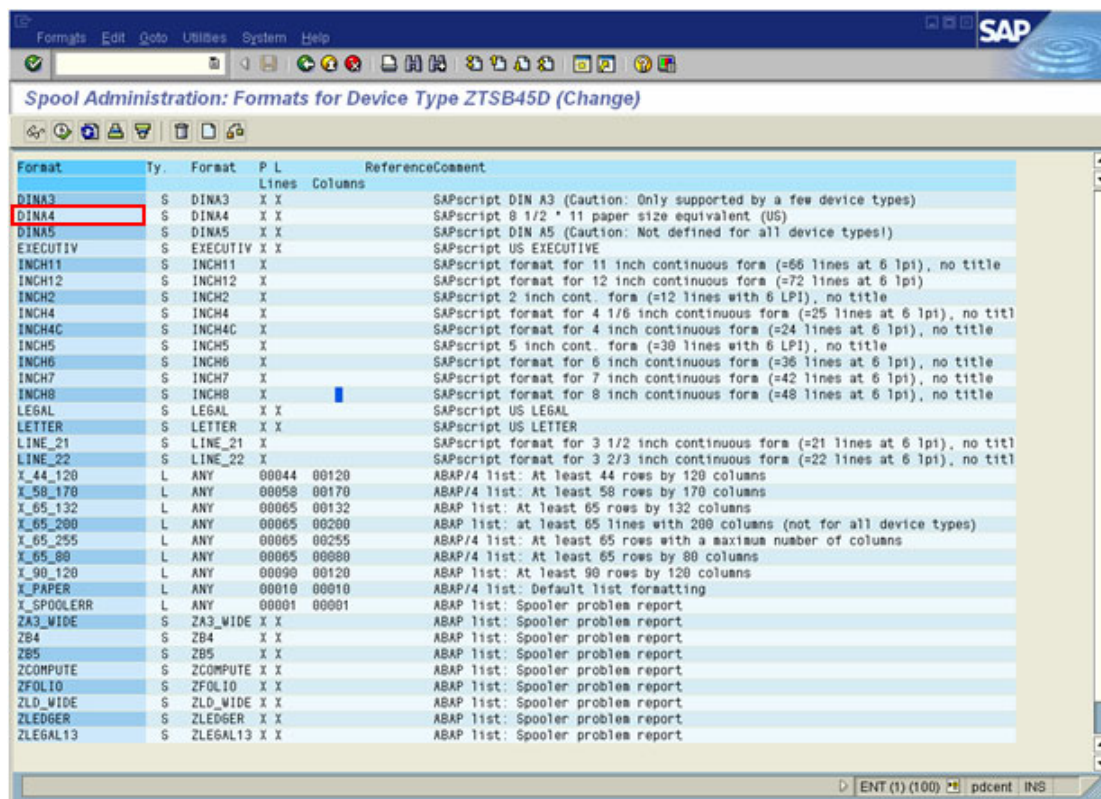
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On clicking on **Device Types**, list of device types will be displayed as in the following screen.



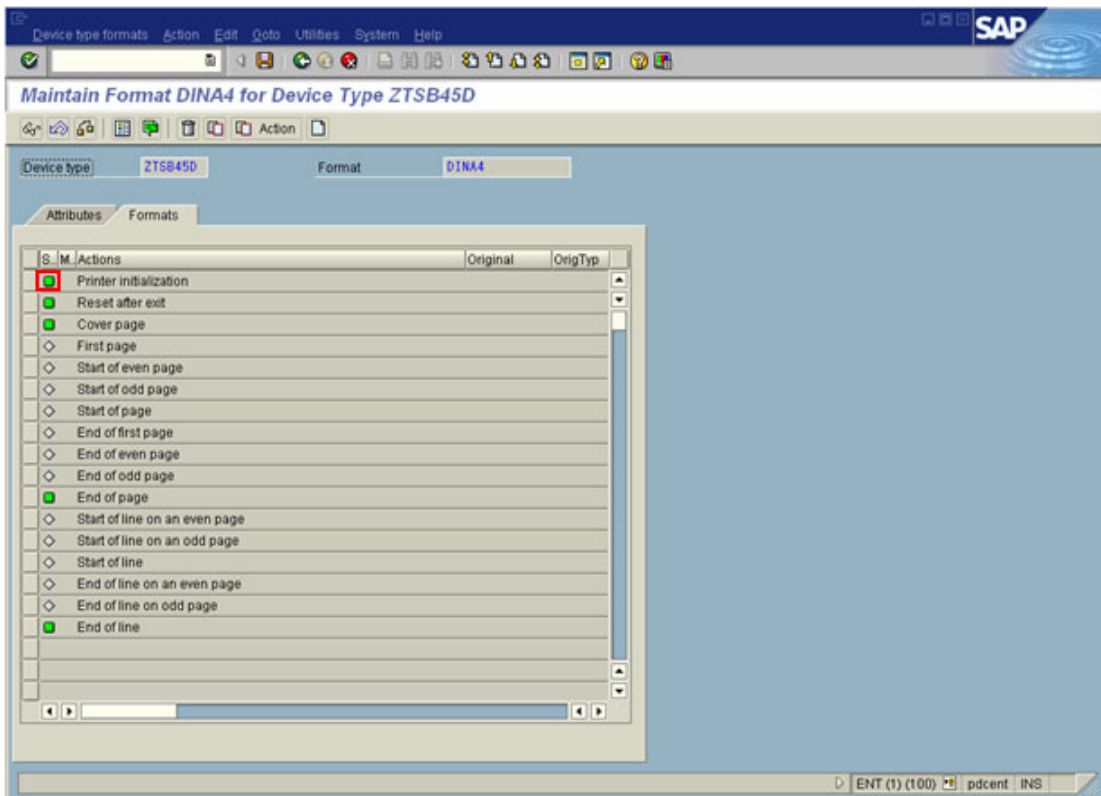
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- Select the device type file to be edited (**ZTSB45D** in the above mentioned example).
- Press “F8” to edit the selected device type file.
- Click “Formats” to view different types of formats of the selected device type file as shown in the following screen.



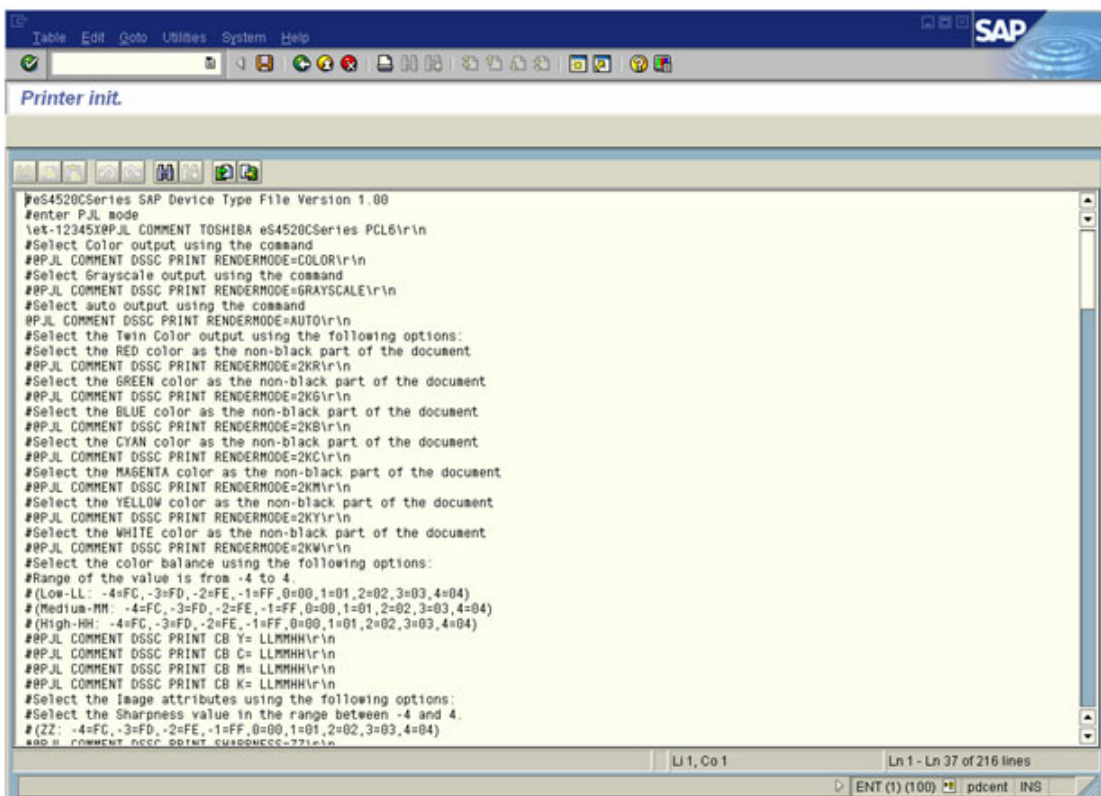
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Select the format to be edited by double clicking that format (**DINA4** in the above mentioned example). The following screen will be displayed.



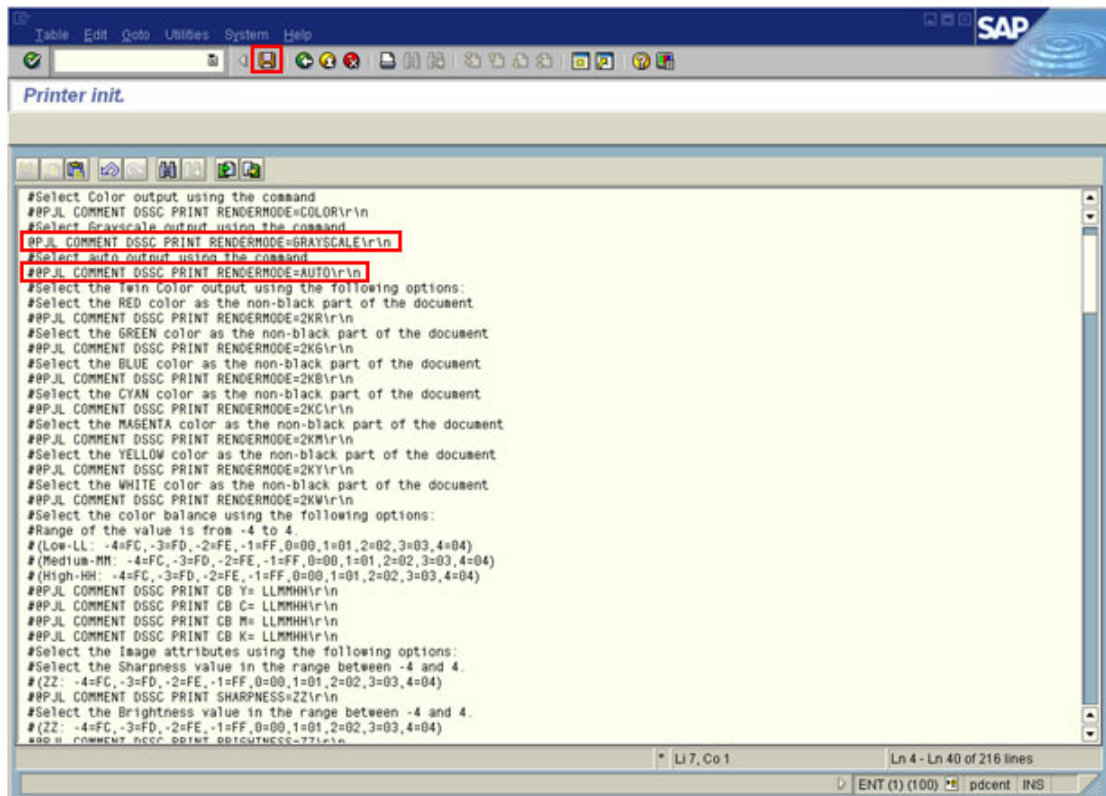
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Select the section where the PJI is to be edited from the different sections available for the format (**Printer Initialization** section in the above mentioned example) by double clicking that section. The following screen will be displayed.



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Edit the data as per the user requirement as shown in the following screen.

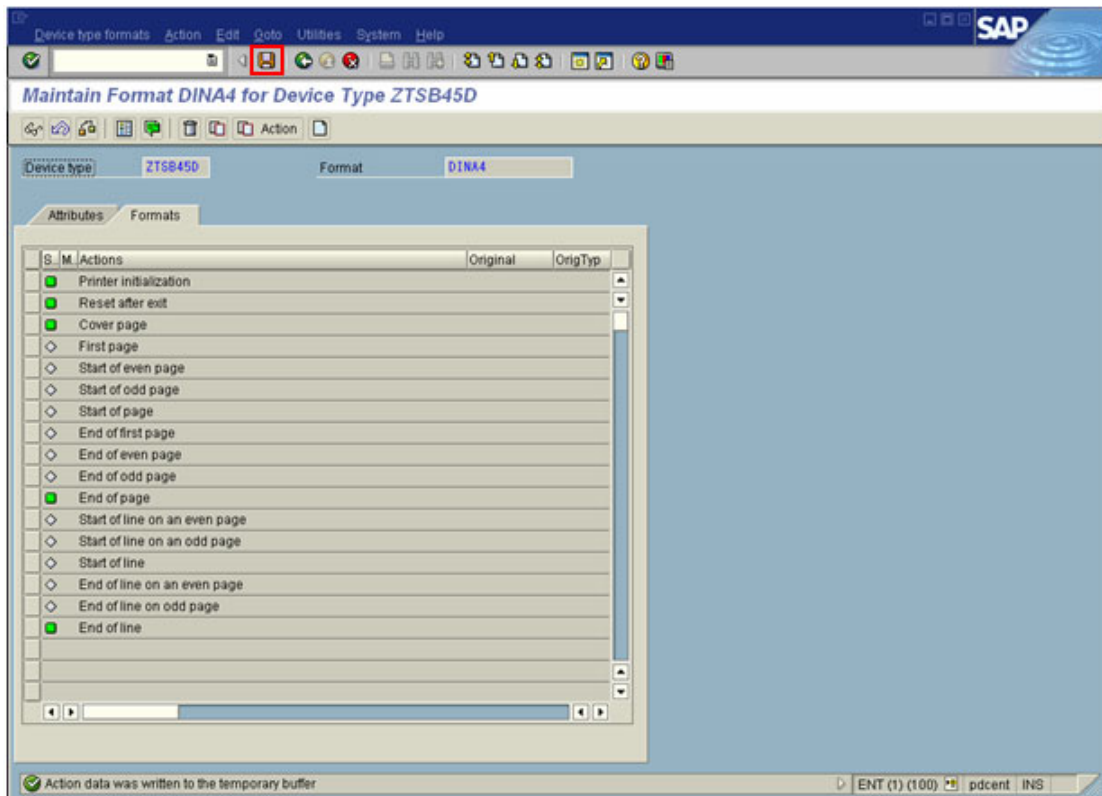


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Suppose if the user wants to select the RENDERMODE value as GRAYSCALE instead of the default value AUTO, then

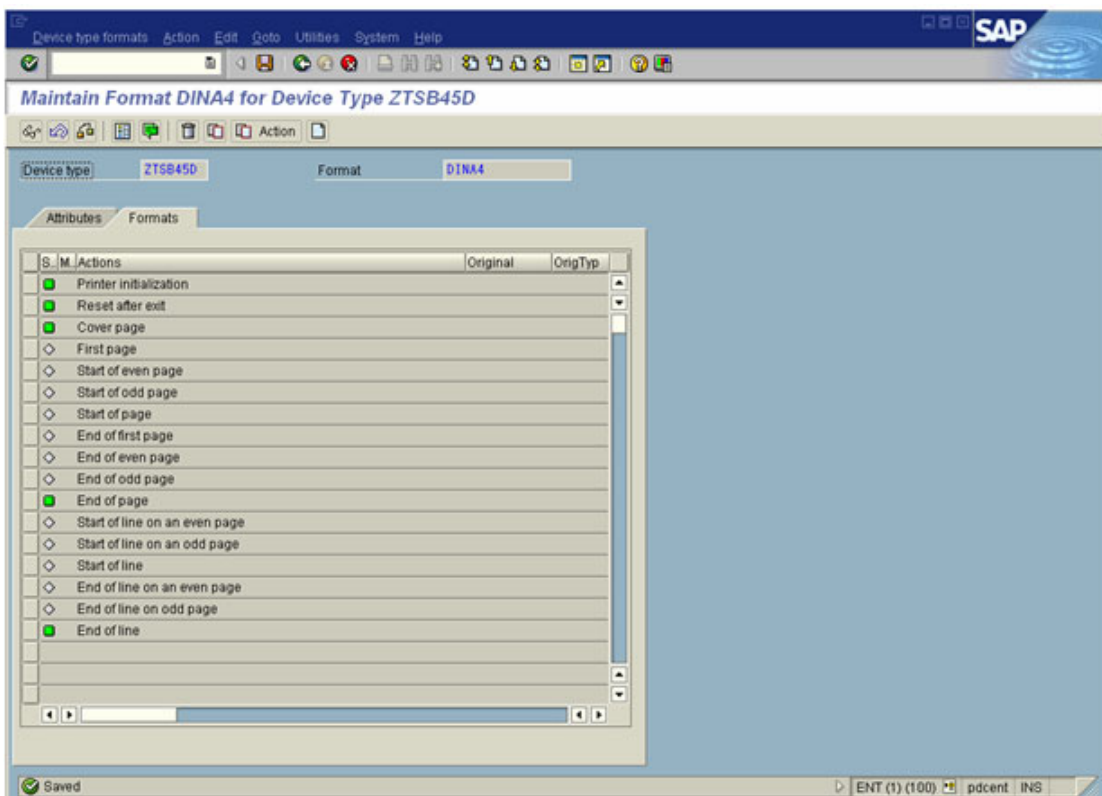
- Insert the comment(#) for the pjl RENDERMODE=AUTO.
- Remove the comment (#) for the pjl RENDERMODE=GRAYSCALE.

Press **"SAVE"**. The following screen will be displayed.



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Again Press “SAVE”, the following screen will be displayed.



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The edited data will be saved in the selected format (DINA4).

■ Background Adjustment Selection

Following PjL would be used to achieve background adjustment selection:

Background Adjustment value is in the range between -4 and 4.

@PjL COMMENT DSSC PRINT BACKGROUND ADJUSTMENT=ZZ\r\n
(ZZ: -4=FC,-3=FD,-2=FE,-1=FF,0=00,1=01,2=02,3=03,4=04)

Suppose if the user wants to select the background adjustment value as 4, then the Background adjustment pjl would be

@PjL COMMENT DSSC PRINT BACKGROUND ADJUSTMENT=04\r\n

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