

FreeFlow® VI SAP Device Type Installation and User's Guide



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Overview

The Xerox FreeFlow® Variable Information SAP Device Type enables Xerox customers to “just send the data” to a VIPP enabled device. VIPP is a scripting language that provides a fast, efficient, effective and flexible method for printing (or creating Adobe PDF files) from a delimited file, XML file or line data (print ready data).

FreeFlow® VI Compose, the VIPP “merge engine,” runs inside the interpreter on the target device. The job of VI Compose is to interpret the VIPP commands that control the merging and formatting of the variable data. VI Compose adds functionality and capability to effectively process variable data applications at the rated speed of the device.

FreeFlow® VI eCompose is a client/server application that allows you to generate Adobe PDF documents from VIPP-based variable data applications and forward them to other processes within the environment. VIeC extends the VIPP workflow into electronic distribution and archive by providing the ability to generate Adobe PDF files from the same data files sent to a VIPP-enabled print device. The PDF files, along with information from the data record that produced them, can then be passed to a user defined process using the VIeC Dispatch module. The files can be integrated into processes within the environment, which can include email servers or archive systems. In addition, the VIeC Server can forward the data submission file or the Master PDF file to an identified VIPP-enabled print device (or for the Master PDF) a print device available to the Printer dialog box on the Windows server for hard copy output.

A VIPP job (an application created using the VIPP language) turns structured business data containing variable information (e.g., line data, field delimited records, XML, etc) into composed pages that can be displayed, printed or generated into digital documents (PDF, VPC, TIFFs, etc).

Purpose

The purpose of this document is to describe how to install and use the Xerox VIC Device Type, Form and Test Job in SAP.

Audience

This document is written for Xerox customers and analysts.

References

The following information is provided for reference on SAP and Xerox Device Types:

- www.sap.com - SAP America
- www.support.xerox.com/support/variable-information-suite/downloads - Xerox VI SAP Device Type, Form and Test job Information
- www.office.xerox.com/software-solutions/sap-device-types-for-xerox-printers/enus.html - Xerox Office Equipment SAP Device Types

Key Terms

ABAP

Advanced Business Application Programming language

ERP

Enterprise Resource Planning

Forms

Page layout definitions for text

ITF

Interchange Text Format

Layout set

Predefined page layout

OTF

Output Text Format

SAP

Systems, Applications and Products in Data Processing

SAPLPD

SAP Line Printer Daemon

SAPscript

SAP's text editor

Customer Support

There is no contractual agreement between Xerox and SAP for this solution. Therefore, no formal contact information can be provided to Xerox support personnel in regards to contacting SAP. However, SAP Administrators at the Customer site can go to SAP via their support agreements for assistance.

For general information on SAP, visit the following Web Site: www.sap.com.

Overview of SAP and VIPP

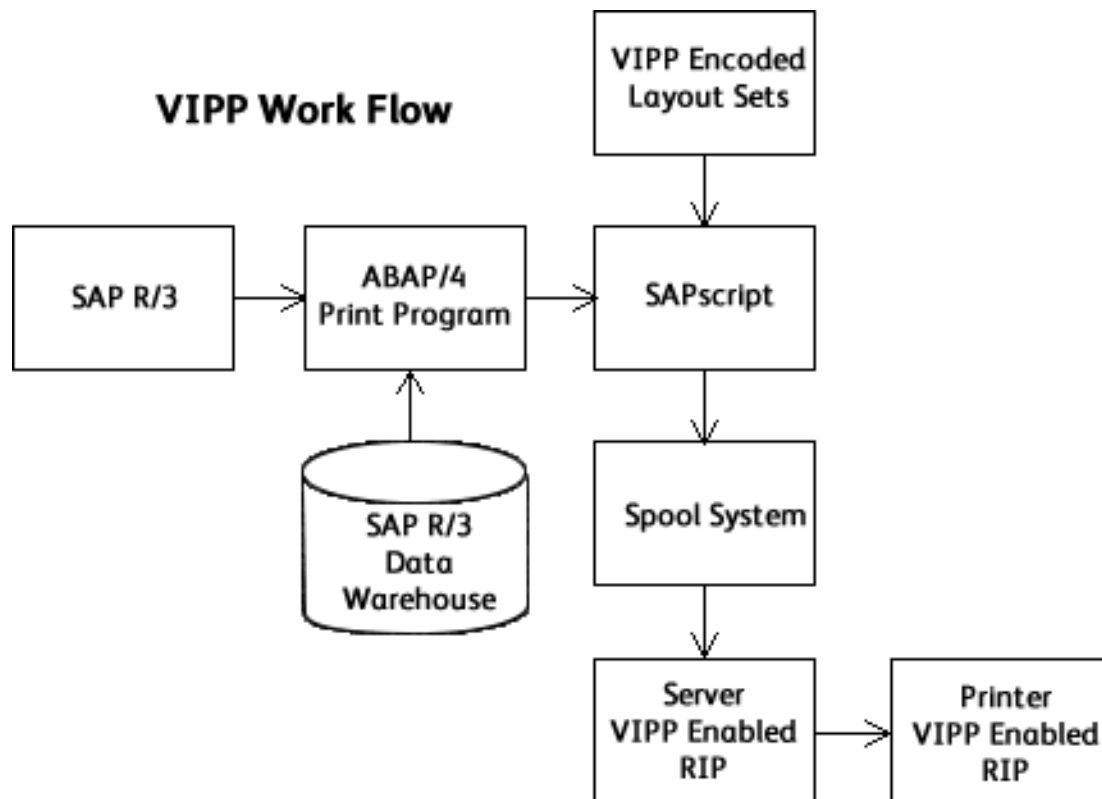
Variable Data Intelligent Production PrintWare (VIPP) is an inexpensive solution for providing fixed form solutions and extended printer control to SAP output. The VIPP based FreeFlow[®] VI eCompose Server takes that one step further allowing you to print, print and generate PDF (and child PDF), or generate PDF (and child PDF) from your SAP print applications.

Using VIPP allows you to maintain your data production separately from your data presentation, letting you maintain your layout design without modification to SAP R/3 layout sets. The inclusion of a VIPP interface on a Xerox printer or the Windows based FreeFlow[®] VI eCompose server will not inhibit the processing of any normal jobs, allowing the printer or FreeFlow[®] VI eCompose Server to service multiple applications.

SAP's SAPscript alone will not provide the page layout functionality of VIPP. SAPscript provides only rudimentary page formatting. VIPP excels in several areas where SAP falls short:

- Providing more elaborate forms than are available with SAPscript
- Color or gray level settings
- Text rotation
- Legacy and 2-D Barcodes including IMB, QRcode and others
- Data Driven Business Graphics
- Variable Data Rules and Conditions
- Variable Text and Image control
- Multiple-up printing
- Through the Stack printing
- Media selection
- Front and back form enabling
- Absolute placement coordinates of text and images
- Print Carriage Control (PCC) processing

VIPP can add value to an SAP implementation in a multitude of ways. The cost of expensive SAPscript programming can be reduced by moving the work load over to less expensive VIPP programming, including the easy to use FreeFlow[®] VI Design Express (Adobe InDesign plug-in) design tool. Existing VIPP expertise can be leveraged to further reduce costs. Perhaps one of the greatest benefits from VIPP can be obtained from reducing SAP R/3 processing and network overhead by generating simple plain text output from R/3, offsetting the page translation and overlay work to the VIPP server.



Implementing VIPP does not eliminate the need for SAPscript and SAP layout sets. VIPP does however greatly reduce the time and effort, and therefore the cost that goes into programming SAPscript. By having SAP output ASCII data, native VIPP data streams can be produced directly from SAP with the use of SAPscript.

Using VIPP in Line Mode enables SAPscript to produce raw data streams free of page composition constructs. Individual lines of data sent from SAP in essence become a Record Processing Entry (RPE) for use by VIPP. By defining each record with a prefix (defined with RPEKEY, please refer to the VIPP Language Reference manual), data is placed on the page according to the values defined in the Job Descriptor Ticket (JDT) file. An example data stream follows:

```

%!(
(sap_invoice.jdt) STARTLM
DATE 01/12/1998
REF0 0987654321

```

```

ADR0 Mr. David Kirk ADR0 1126 Fiction Drive ADR0 New York, NY 84748

```

```

LDAT 1 Printer 1,000 2 2,000
LDAT 2 Toner 80 1 80
TOTA 2,080
%%EOF

```

All VIPP data streams must start with %!. The second line initializes Line Mode processing with the 'STARTLM' command. Each subsequent field up until the % % EOF marker, represents a record of printable data. The identifiers beginning each record are defined in the JDT and describe placement of each field.

The actual placement of the data on the page is done with simple commands in the JDT file:

```
%!PS-Adobe-2.0
%%Title: sap_invoice.jdt
%%Creator: David Kirk
%%CreationDate: April 2012
%%For: RPE definition for sap_invoice
%%EndComments

%-----
% Set orientation and margins
%-----
PORT
0 0 0 0 SETMARGIN % Set all margins to zero

%-----
% Set RPE fonts
%-----
/F1 /NHE 11 9 INDEXFONT
/F2 /NHE 9 9 INDEXFONT

%-----
% Set form
%-----
(BVR) SETMEDIA
(sap_invoice) SETFORM

%-----
% RPE Definition
%-----
-4 SETRPEPREFIX
5 BEGINRPE

% Almt rot. Xinit Xdisp1 Yinit disp Rec.pos. Len Font Color
/DATE RPEKEY
[ 0 0 1603 0 212 0 5 30 /F1 BLACK]

/REF0 RPEKEY
[ 2 0 390 0 410 0 5 20 /F2 BLACK]
```

The JDT begins with job information such as job title and job creator. Lines beginning with “%” are comments and will be ignored during processing. Fonts are aliases in the example as F1 and F2. Media for the document can be selected with the 'SETMEDIA' command. This is comparable to the SetTray command used by the DocuPrint User Interface. The call to 'SETFORM' causes the specified form file to be printed on the current, and all subsequent pages. To assist in the production of VIPP forms, several 3rd party forms solutions are available for VIPP. In the example data stream, all records contained 4 characters prefixes. This length is defined by the value set with 'SETRPEPREFIX'. This command also enables RPE prefix mode. Each prefix is then defined along with the placement of the record. The 'ENDRPE' command then ends the RPE library definition.

When using the RPE presentation mode, VIPP resources can be dynamically called by embedding Native Mode Prefix records into the data stream. These records are prefixed with “%XGF” and will be processed as VIPP commands instead of printable data.

VIPP codes can also be embedded into the output data stream that enables you to control such printer features as:

- Paper Stock
- Set Stapling
- Simplex / Duplex printing
- Media Selection

The following table is a subset of VIPP commands that can be embedded into the data stream to take advantage of printer specific functions:

VIPP Command	Printer Function
DUPLEX_on	Enable duplex printing
DUPLEX_off	Disables duplex printing (default)
TUMBLEMUX_on	Enable tumble duplex printing
TUMPLEMUX_off	Disables tumble duplex printing
SETMEDIA	Sets the current Media Type for subsequent pages
STAPLE_on	Enable the stitching of sets within a job in the output tray
STAPLE_off	Disable the stitching of sets within a job in the output tray
ENDOFRUN	Acts as a set delimiter for set stapling
OFFSET_on	Enables the offsetting of sets within a job in the output tray
OFFSET_off	Disables the offsetting of sets within a job in the output tray
ENDOFSET	acts as a set delimiter for set offsetting

VIPP should be used when advanced forms design beyond the limitations of SAPScript is desired. The VIPP implementation will provide cost savings in the development and maintenance of the SAP R/3 forms solution. VIPP will also lessen the strain on R/3 processing hosts as well as network overhead by off loading processing to the printer.

For more information on the VIPP commands, VI Compose and VI eCompose please refer to the following manuals.

- *FreeFlow® VIPP Language Reference Manual*

The *FreeFlow® VIPP Language Reference Manual* contains information about VIPP commands, markers, transform functions, variables, parameters, and error messages. Also included are programming tips and answers to many frequently asked questions about the VIPP language. For background information and descriptions of VIPP resources, files, and utilities, and for information about FreeFlow® VI Compose, refer to the *FreeFlow® VI Compose User's Guide*.

- *FreeFlow® VI Compose User's Guide*

The *FreeFlow® VI Compose User's Guide* provides the background information you need to consider when using the VIPP language and VI Compose to print the jobs. It also provides descriptions of VIPP resources, files, and utilities and describes the Variable Information Suite applications that add functionality and make VIPP easier to use.

- *FreeFlow® VI eCompose User's Guide*

The *FreeFlow® VI eCompose User's Guide* provides the information to generate Adobe PDF documents from VIPP-based variable data applications and forward them to other processes within the environment. It also provides information on electronic distribution and archiving by providing the ability to generate Adobe PDF files from the same data files sent to a VIPP-enabled print device. Also, information on how the VIeC Server can forward the data submission file or the Master PDF file to an identified VIPP-enabled print device (or for the Master PDF) a print device available to the Printer dialog box on the Windows server for hard copy output.

Xerox VI SAP R/3 Device Type, Form and Test Job

In SAP R/3 a printer has two files associated with it:

- Device Type
- Output Device

This chapter explains how to:

- Import the VI Xerox SAP R/3 Device Type, Form, and Test Job into the customer's SAP system using the R/3 program RSTXSCR
- Create an Output Device in R/3
- Assign the Vi Xerox Device Type to an Output Device
- Run the Test Job

The Xerox VI SAP R/3 Device Type, Form and Test Job can be downloaded from the Xerox website.

The Xerox VI SAP R/3 Device Type name MUST NOT BE CHANGED.

The Xerox VI SAP R/3 Device Type is compatible with SAP R/3 application versions operating in all system environments.

Xerox VI SAP R/3 Device Type is an ASCII text files. Once the file has been copied it can be imported into the R/3 system without modification.

Importing Xerox VI SAP R/3 Device Type into SAP R/3 requires assistance from the customer's R/3 system administrator.

The Xerox VI SAP R/3 Device Type, Form, and Test Job, and the *FreeFlow® VI SAP Device Type Installation and User's Guide* are provided in a zip file (VISAPDT.ZIP) that can be downloaded from the www.xerox.com site. Go to the Support & Drivers section and search for VIPP, then select the Software option. The zip file will be found under the Utilities & Applications section. It can be downloaded directly to your MS Windows workstation or server. The following sections describe the process:

- [Download the Xerox VIC Device Type, Form and Test Job from the Xerox web site](#)
- [Import a Xerox Device Type, Form and Test Job](#)
- [Create an output device.](#)
- [Assign the imported device type to the output device](#)
- [Print the Test Job](#)

Download the Xerox VIC Device Type, Form and Test Job from the Xerox web site

1. Go to the Xerox external web page www.xerox.com. Go to the Support & Drivers section and search for VIPP, then select the Software option. The VISAPDT zip file will be found under the Utilities & Applications section.
2. Copy or extract the files to a folder. The files will contain everything that you will need to install and test the Xerox VI SAP Device Type. The following table lists the files to be downloaded or extracted, and their descriptions:

Filename	Description
ZVIPPDT.PRI	Xerox customized VIPP ASCII enabled RDI device type
ZVIPP_FORM.FOR	Xerox customized VIPP form
ZVIPP_TEXT.TXT	Xerox VIPP SAP test job
ZVISAPUG.PDF	<i>FreeFlow® VI SAP Device Type Installation and User's Guide</i>

3. Copy ZVIPPDT.PRI, ZVIPP_FORM.FOR, and ZVIPP_TEXT.TXT to your C:\temp directory.

WARNING

Do not rename the files.

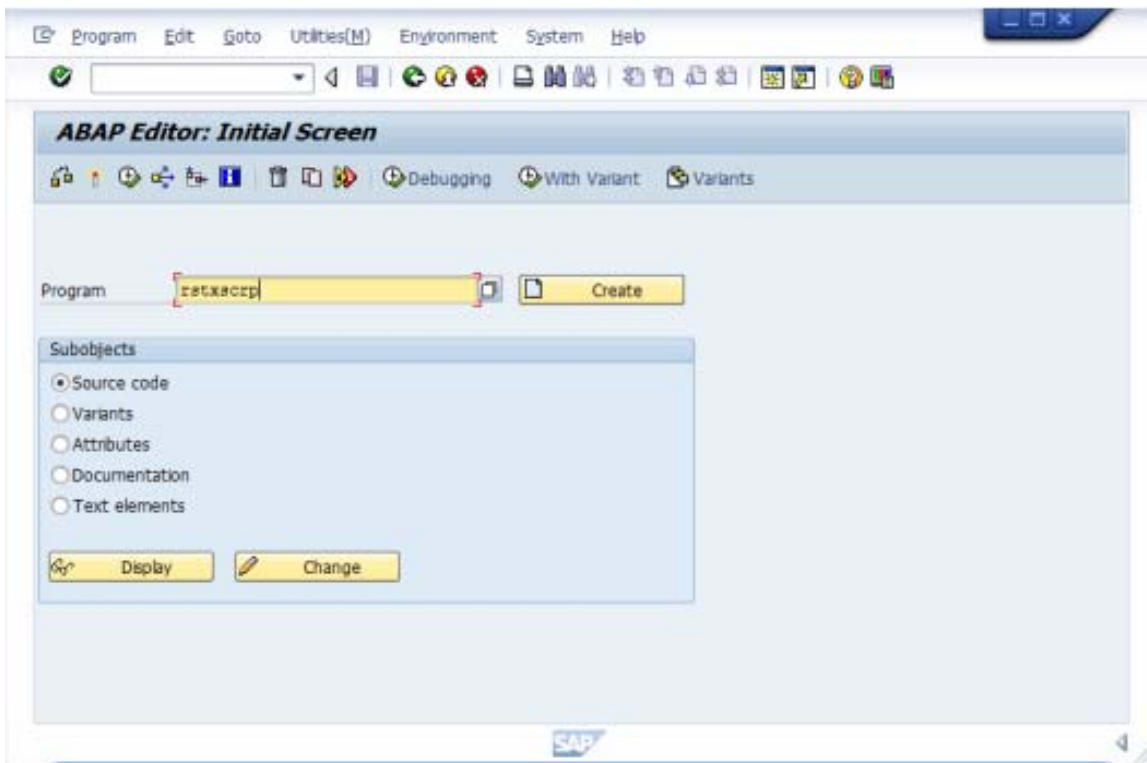
Import a Xerox Device Type, Form and Test Job

The import can be performed from a SAPGUI front end or from an R/3 server. The system administrator must set permissions correctly to enable the R/3 transaction SE38.

NOTE

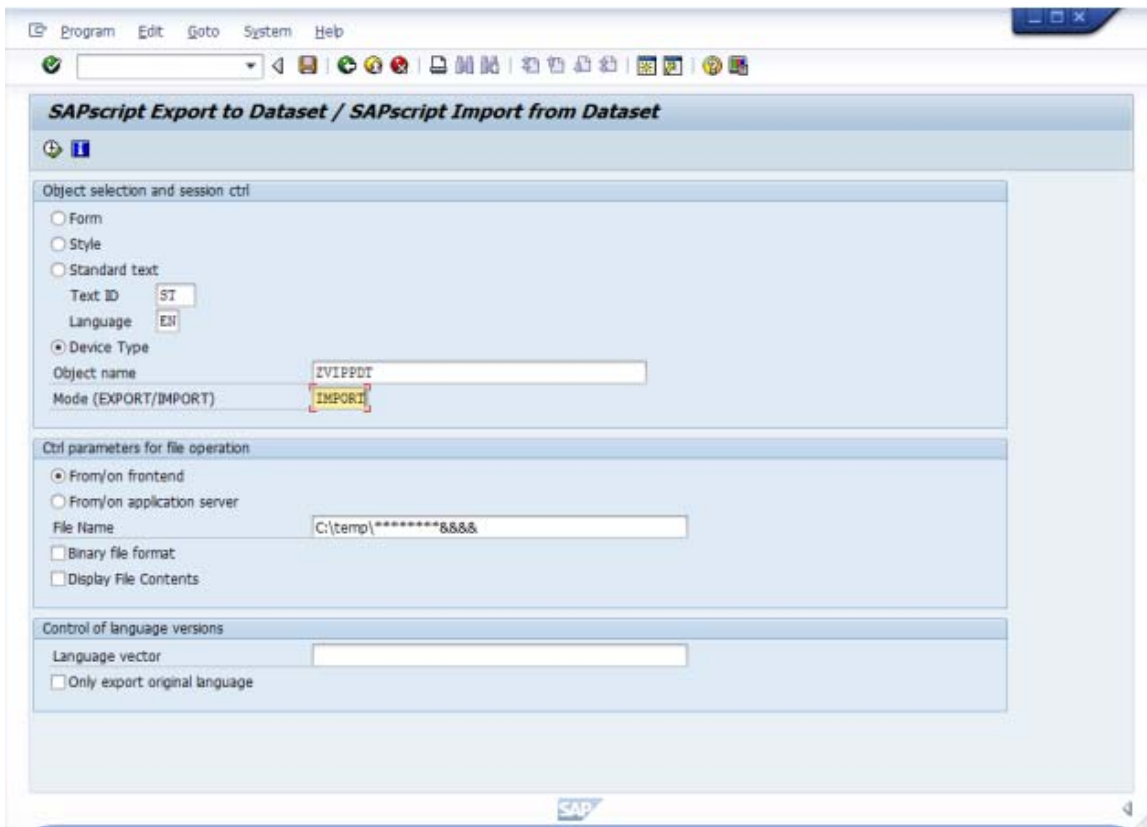
SAP delivers a set of device types with the R/3 software and adheres to a strict naming convention. Changing the name of the Xerox SAP R/3 Device Type file might cause the import program to overwrite another device type in the system.

1. From your Microsoft Windows workstation or server, logon to SAP R/3. The R/3 Easy Access (main) screen displays.
2. In the transaction window at the top left of the screen, enter transaction number **SE38** and press **Enter**. The ABAP Editor: Initial Screen displays.



5. Type **RSTXSCR** in the Program field. (RSTXSCR is the R/3 ABAP import program.)

6. Select the **Execute** icon  (F8). The SAPscript Export to Dataset / SAPscript Import from Dataset screen displays.



The screenshot shows the SAPscript Export to Dataset / SAPscript Import from Dataset screen. The window title is "SAPscript Export to Dataset / SAPscript Import from Dataset". The screen is divided into three main sections:

- Object selection and session ctrl**:
 - Form
 - Style
 - Standard text
 - Text ID: ST
 - Language: EN
 - Device Type
 - Object name: ZVIPPDT
 - Mode (EXPORT/IMPORT): IMPORT
- Ctrl parameters for file operation**:
 - From/on frontend
 - From/on application server
 - File Name: C:\temp*****&&&
 - Binary file format
 - Display File Contents
- Control of language versions**:
 - Language vector
 - Only export original language

3. From the SAPscript Export to Dataset/SAPscript Import from Dataset screen select **Device Type**.
4. Enter the Xerox SAP R/3 Device Type name in the Object name field. The Xerox VIC Device Type is called ZVIPPDT.PRI.

NOTE

This device type name must match the name of the device type downloaded from the Xerox web site.

5. Enter IMPORT in the Mode EXPORT/IMPORT field.
6. Select From/on frontend.
7. Enter the path, file name and extension in the Dataset name field.

NOTE

If you created or have your device type in your C:/temp directory, and the device type has an extension of .pri, you do not have to change the value in the Dataset name field. The default value of C:\temp*****&&& will look for the device type name of what was entered in the Object name field with an extension of .pri in the C:/temp directory on your frontend

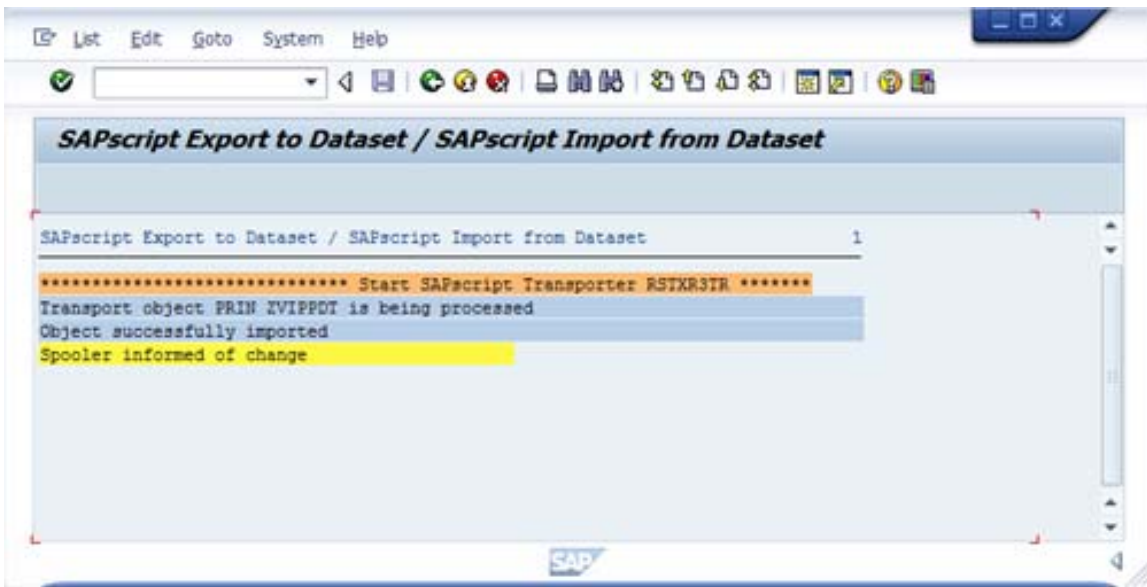
8. Select the **Execute** icon  (F8). An Open window displays to confirm the selections.

NOTE



A Create Object Directory Entry may display. If so, enter the development class and save. Next, a Prompt for Local Workbench request displays. Select **Continue**.

9. With the File name of ZVIPPDT.PRI, select **Open**.

When the import is completed, a message screen displays the results of the Import.



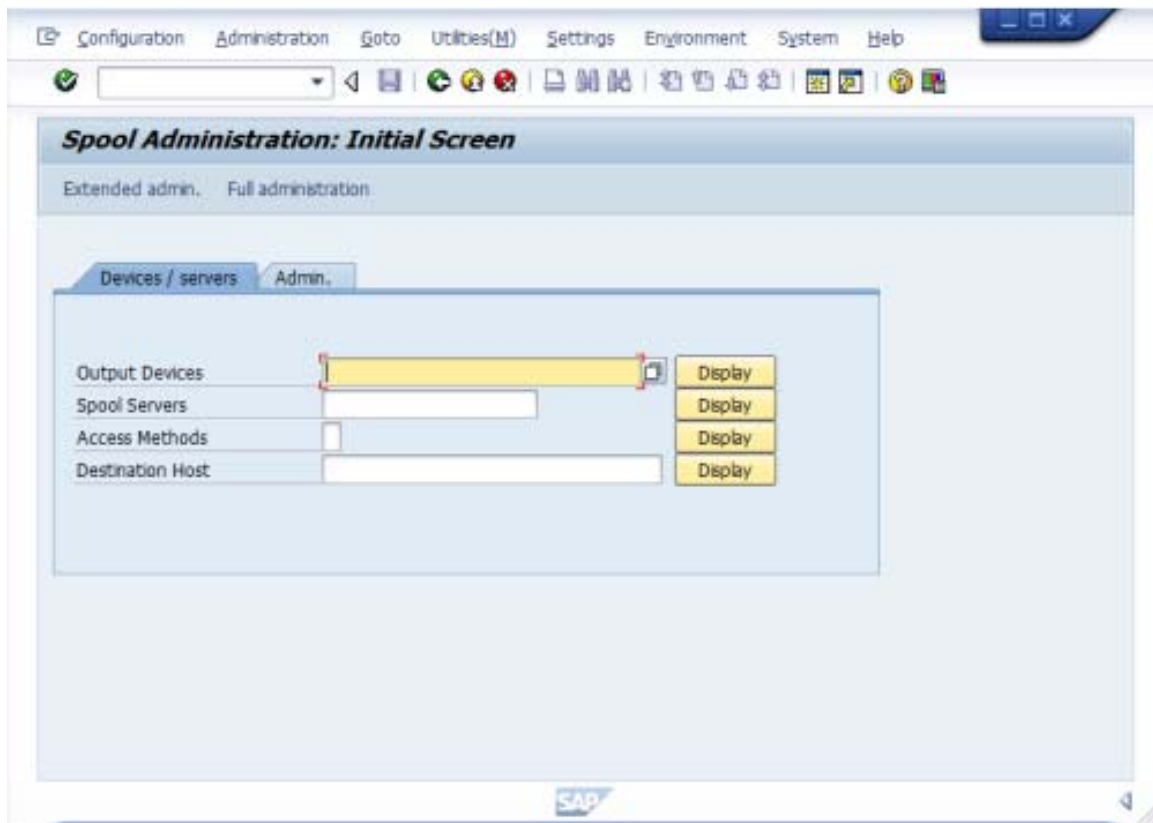
10. Return to The SAPscript Export to Dataset / SAPscript Import from Dataset screen and Import the Form and the Test job.

- For the Form select the Object Selection of **Form** and enter the Object name of **ZVIPP_FORM**.
 - Select the Execute icon  (F8).
 - With the File name of ZVIPP_FORM.FOR, select **Open**. When the import is completed, a message screen displays the results of the Import.
- For the Test Job select the Object Selection of **Standard text** and enter the Object name of **ZVIPP_TEXT**.
 - Select the Execute icon  (F8).
 - With the File name of ZVIPP_TEXT.TXT, select **Open**. When the import is completed, a message screen displays the results of the Import.

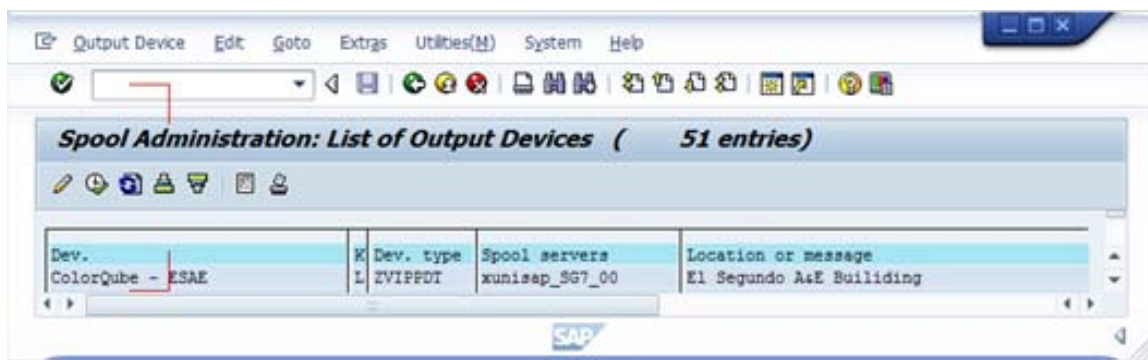
Create an output device



An output device has to be created in R/3 to define the physical printer. Information about the printer's device attributes host spool attributes must be filled out.

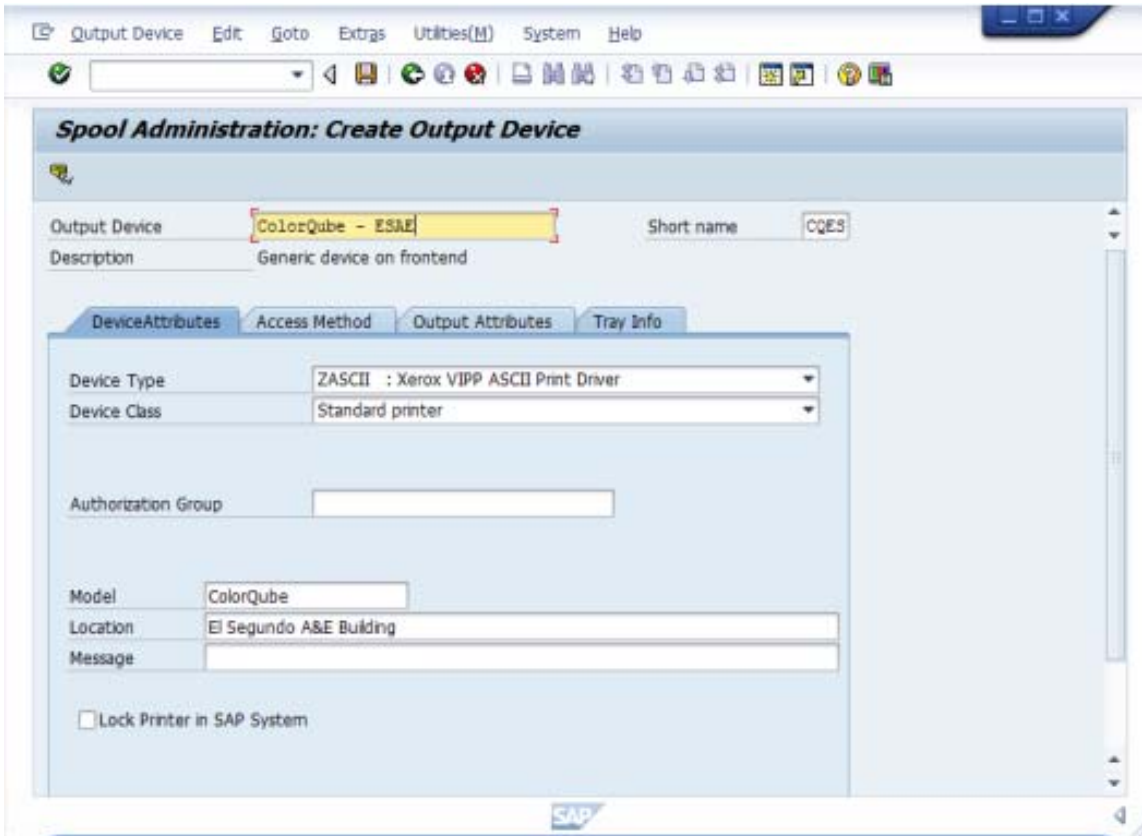
1. Enter **/nspad** in the transaction window at the top of the screen. The Spool Administration: Initial Screen displays.



2. Select Display for the Output devices. A list of existing output devices displays



3. Select the **Change** icon  (F8).
4. Select the **Create** icon  (Shift + F1) which displays after selecting Change. The Spool Administration: Create Output Device screen displays.



In R/3, Output Device defines the physical printer. The file includes information about the physical printer such as name, IP address and its host spool attributes.

- Enter the name of the printer in the Output device field at the top of the screen. The Output device name is whatever the customer wishes to name the printer within their organization. For example: ColorQube - Third Floor - Room 3402.
- Enter up to a 4-character name in the Short Name field (ex. DP65). The Short name can be used as a nickname for your printer.

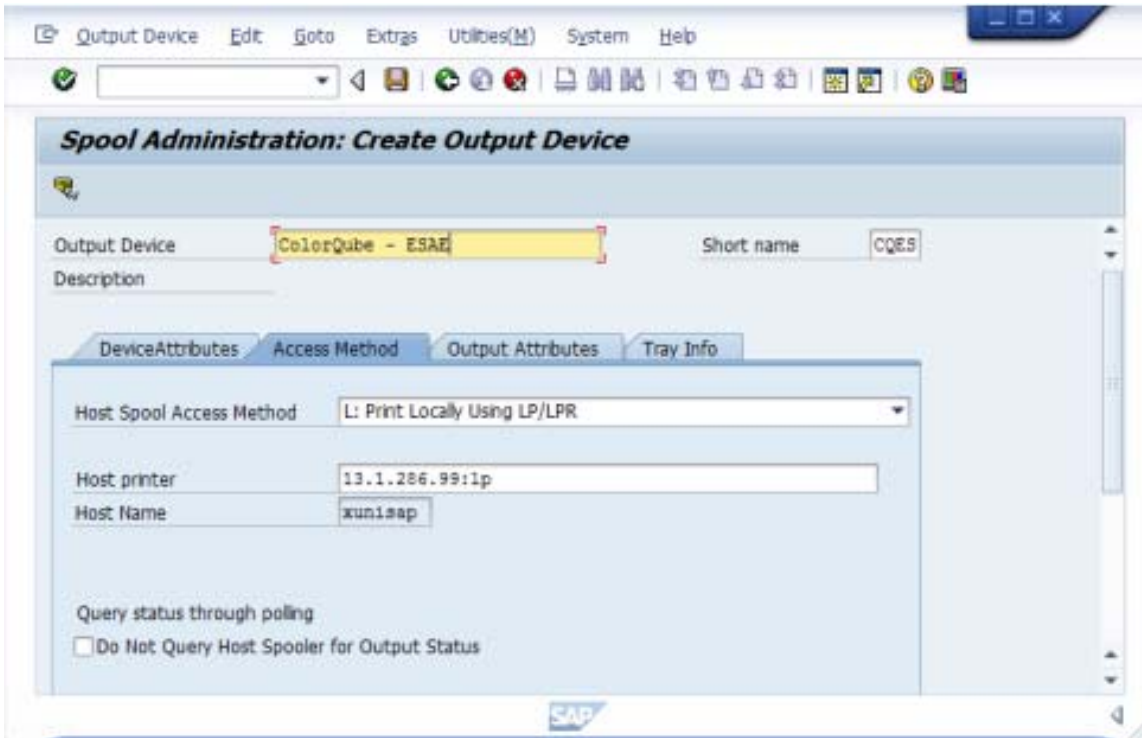
Assign the imported device type to the output device


At the Spool Administration: Create Output device screen, select the **Device Attributes** tab, then:

1. Select the imported Xerox SAP R/3 Device Type from the pull-down list. The list includes the device types that were delivered with the R/3 software plus all device types that have been imported into the customer's system.
2. Enter the name of the R/3 spool server that will serve the printer in the Spool server field. The customer's system administrator will provide the name.
3. Set Device Class to **Standard printer**.
4. The next three device attribute fields are OPTIONAL.
 - Authorization group. Refer to the customer's system administrator for the contents of this field.
 - Model. Enter the type of printer if the customer wishes to include this information. For example: ColorQube.
 - Location. Enter the physical location of the printer. For example, El Segundo A&E building.

The device attributes for the printer's output device have now been selected. Next, set the host spool access method:

1. Select the Host Spool **Access Method** tab about halfway up the screen. The Host Spool settings will be displayed.



2. The Host Spool Access Method field has a pull-down list. Select the access method that applies to the installed Xerox printer. Most Xerox printers will be installed using option L. Refer to "[Access methods](#)" for a description of all access methods.
3. Enter the Xerox printer's **IP address** in the Host printer field. Be sure to include the lp command if the printer will use the LP/LPR method. (ex. 13.1.286.99:lp)
4. Select **Save**  (Ctrl+S).

The printer is now configured.

Print the Test Job

1. Go to the Standard Text: Request screen (SO10).

Standard Text: Request

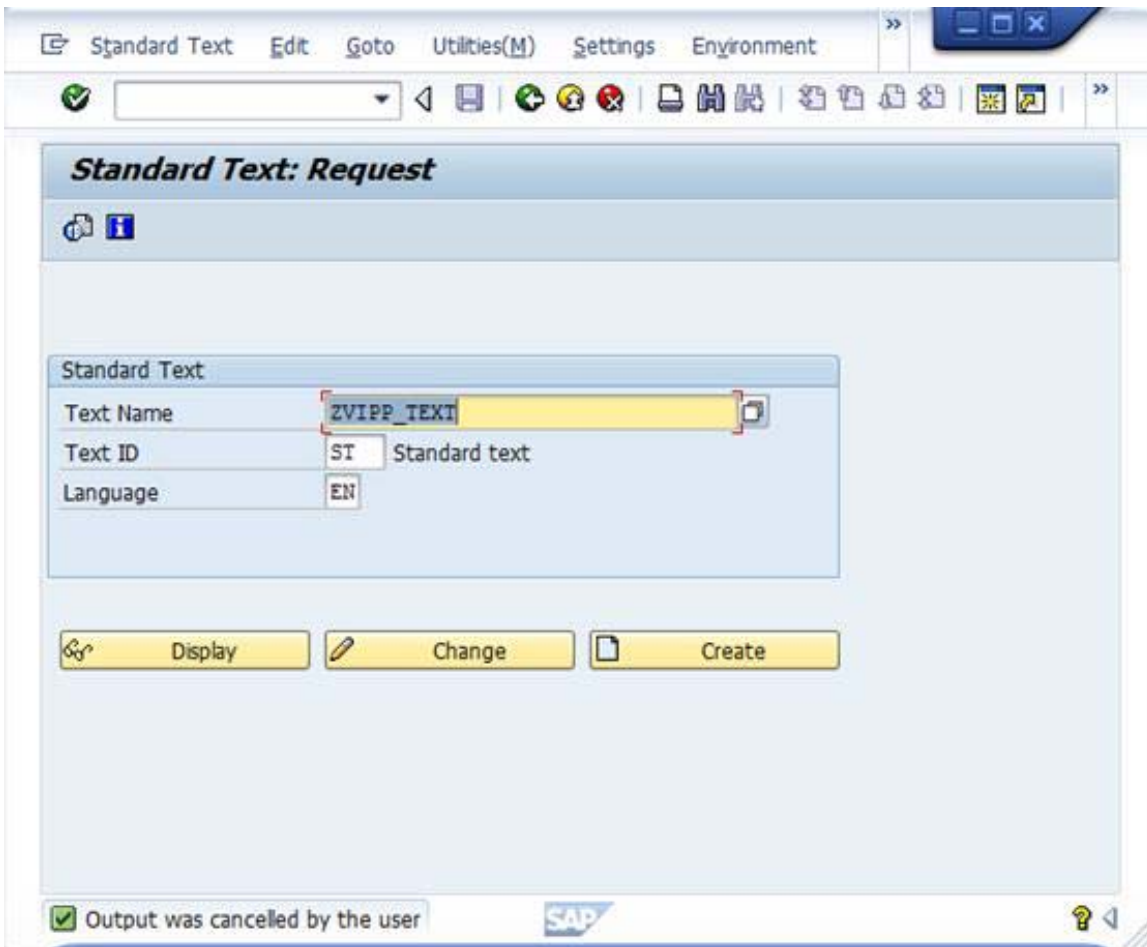
Standard Text

Text Name	ZVIPP_TEXT
Text ID	ST Standard text
Language	EN

Display Change Create

Output was cancelled by the user

2. Enter the name of the test job (ZVIPP_TEXT) in the Text Name field.
3. Select the Print icon or **Ctrl+P** to bring up the Print screen. Enter the Output Device name. Check **Print immediately** in the Spool Control section.



4. Select the Print icon on the bottom right corner of the Print screen. You should see a Spool request message on the bottom of the Print screen.
5. The following is an example of what the output should look like.

Access methods

This section describes the Access Methods available for printing and the procedures for configuring local and remote printers for SAP R/3.

Access Method refers to the way the SAP spool work process communicates with the host spool server. The Access Method selected depends on the operating system of the host spooler (e.g., UNIX, Windows, etc.), and on whether Local Printing or Remote Printing is used.

The following table describes the SAP R/3 Access Methods.

Access Methods	Description
C	<p>Direct operating system call to print manager; data is not stored temporarily in the host file system</p> <p>Commonly used for local printing when defining output devices, which are managed by Windows systems.</p> <p>The spool work process and the print manager, which drives the printer, are running on the same server.</p> <p>This access method does not allow for requesting status information from the SAP spool system to the Windows print manager.</p>
I	<p>Archive Service. This access method is for defining an output device to be used as an archiving system.</p> <p>Can define a printer as an archive service. In this case, when documents are sent to the SAP spool system, they can be directly transferred to the archive system as well as the actual printer.</p> <p>The Spool system is only used as temporary storage for documents to be archived.</p> <p>The ArchiveLink facility handles further processing.</p>

Access Methods	Description
L	<p>Print locally via lp/lpr with Signal.</p> <p>SAP spool work process will use a command (e.g., lp or lpr) to transfer the spool requests to the host spooler.</p> <p>Lp or lpr commands are operating system dependent.</p> <p>SAP spool work process and the host spool are running on the same server.</p> <p>This access method is not supported under Windows systems.</p>
F	<p>Front-end-printing; allows output to be sent directly to the user's workstation.</p> <p>SAP passes the output request to the SAPLPD transfer program at the user's PC or to the "line printing daemon" (lpd) at the user's UNIX workstation.</p> <p>Unlike other Access Methods, front-end printing does not use the spool work process, instead, all spool processing is done in a dialog work process. This can degrade overall performance, as the dialog work process can not handle other requests until the output has been sent to the front-end workstation.</p>
P	<p>This method is used for defining Device pools.</p> <p>This method is available from release 3.0D onward.</p> <p>With this method, output requests can be sent to more than one printer at a time. Automatic print load balancing on several printers can be performed with this access method.</p> <p>To enable this method, the ABAP/4 report RSP00051 must be run.</p>
U	<p>Print using LPDHOST via the Berkeley protocol. (RFC 1179)</p> <p>This access method is used for both Remote and PC printing, where, the SAP spool work process and the server connected to the printer are running on different hosts.</p> <p>SAP spool work process will transfer the formatted data to the host spooler through the network link.</p> <p>This method is not recommended for slow WAN connections, since it might slow the processing of other print requests.</p> <p>This method can be used for UNIX and OS/2 systems. It is also possible to use this method together with the SAPLPD program on Windows systems, although access method S is more appropriate.</p>

Access Methods	Description
S	<p>Print on LPDHOST via SAP protocol. This access method is used for remote and printing in a Windows environment.</p> <p>It uses a special SAP communication protocol (SAPLPD) which includes data compression, transmission of the SAP title, etc.</p> <p>This access method is mainly used for printers which are defined using the SAPWIN device type.</p>
X	<p>This method is used for devices managed by the SAP spool system and is handled by the SAP communication (SAPcomm) server, such as FAX, Telex, and EDI.</p>
E	<p>External System Output Management.</p> <p>Printer is connected over an external OMS (Output Management System).</p>
M	<p>Printing using e-mail</p>

Local Printing

In the context of SAP Output Management, Local Printing means that the SAP spool work process is running on the same server as the host spool system. Local Printing does not define the location of the printer itself, which may be locally attached or connected remotely over a network.

Remote Printing

Remote Printing means that the SAP system that runs the spool work process and the host spool system are connected over a network. Again, the printer itself may be local or remote to the host spooler.

Printer Definitions

The following examples illustrate how to set up printers for SAP R/3 printing. For more information on the types of access methods available, see the Access Methods table on page [27](#).

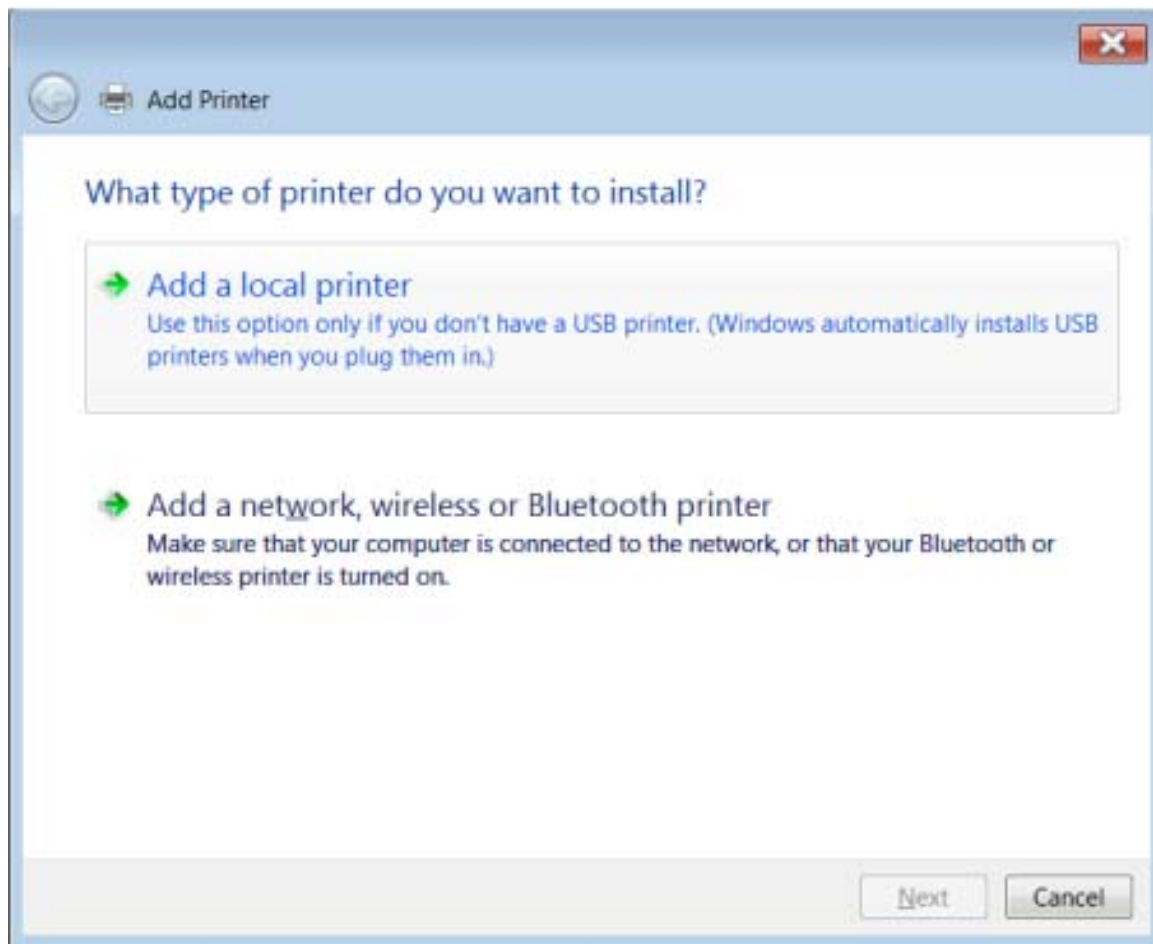
Creating a Print To Fixed File printer in Windows

Printers installed in Windows can be configured to print from a front-end computer and bypass the spool work process. This configuration can degrade overall performance, as the dialog work process cannot handle other requests until the output has been sent to the front-end workstation.

In Windows, printers are either configured automatically by the appropriate installation program that is delivered with the printer, or manually. In order to install the printers manually, the drivers must be available.

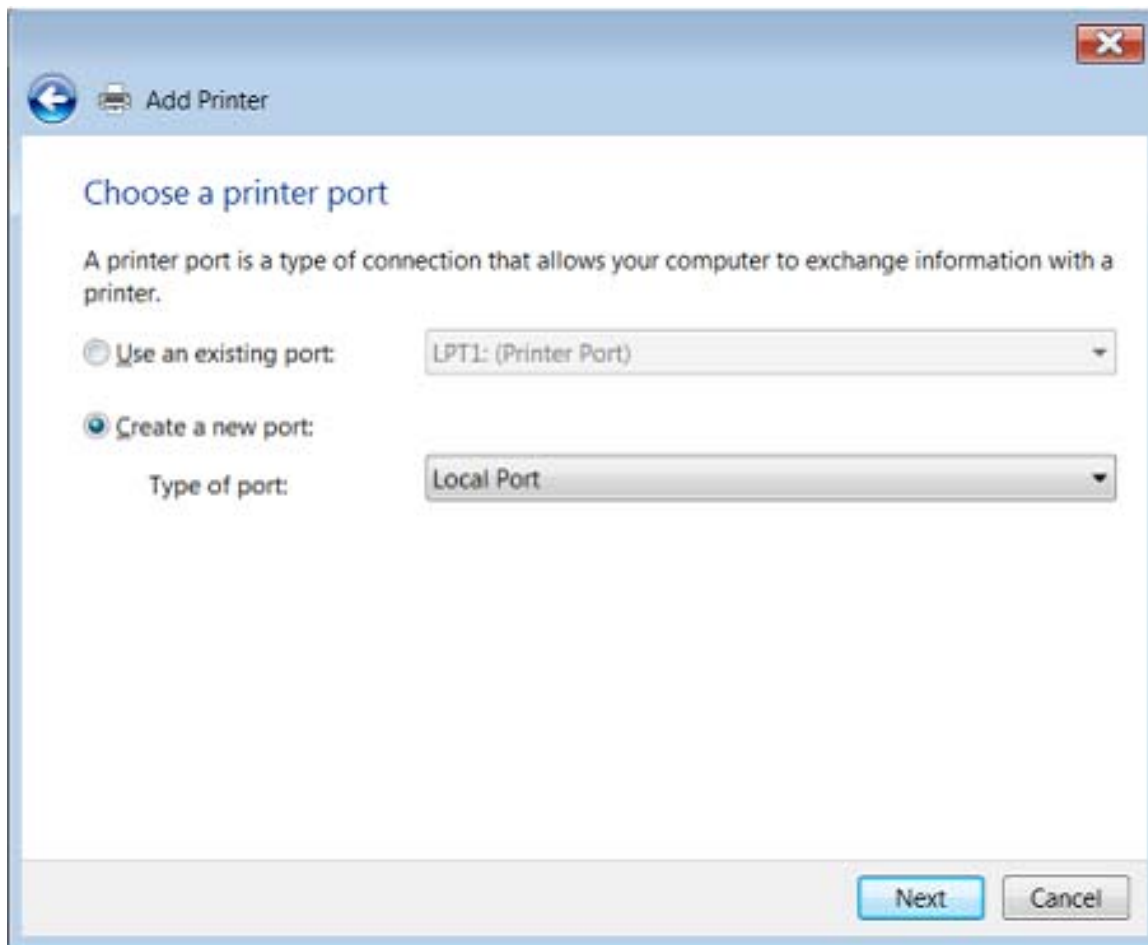
The following is an example of setting up a local printer so that you can print to a windows PC with a fixed name. This example can be used for the VI eCompose product installed on Windows. These procedures will vary in relationship to the version of Windows that you are using.

1. From the Start Menu select Devices and Printers. The Printer window opens showing installed printers.
2. Double click **Add printer**. The Add Printer wizard starts.



3. Select **Add a local Printer**.

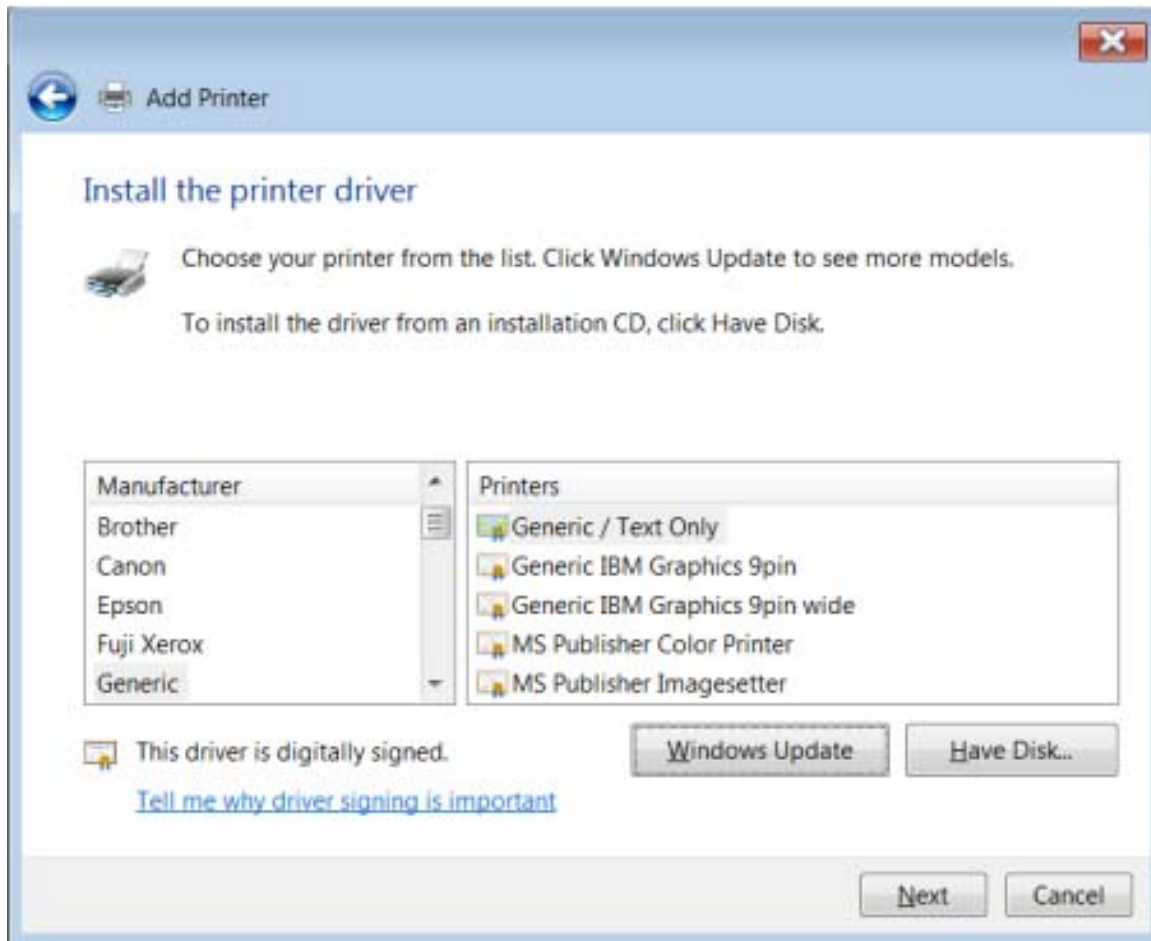
4. Select **Create a new port** with a port type of Local Port.



5. Click **Next**. The Port Name dialog is displayed.

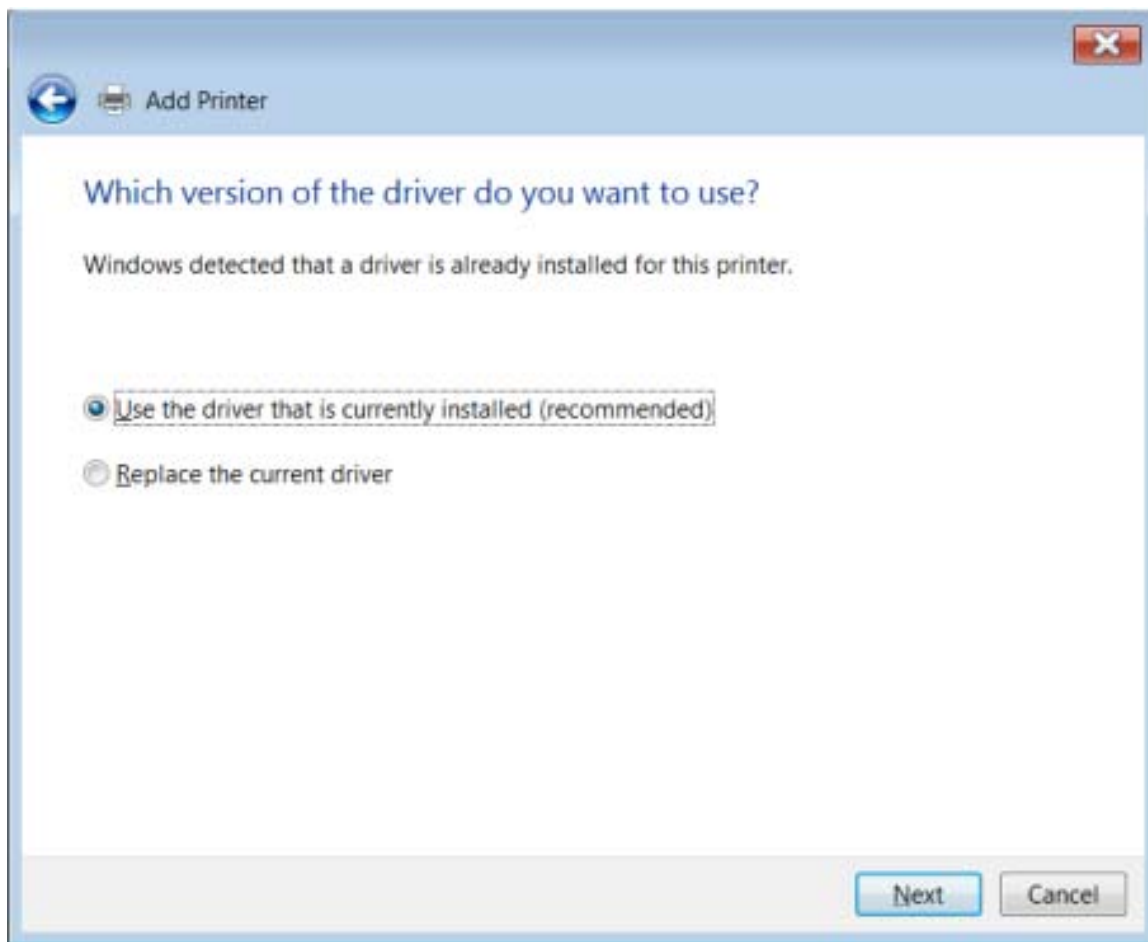


6. Enter a fixed file name as the port name and select **OK**. This fixed file printer name (for C:\temp\test\sapjob.prn) will always send the job to the same file name, overwriting the previous file if there was one. The Add Printer Install the printer driver screen is displayed.

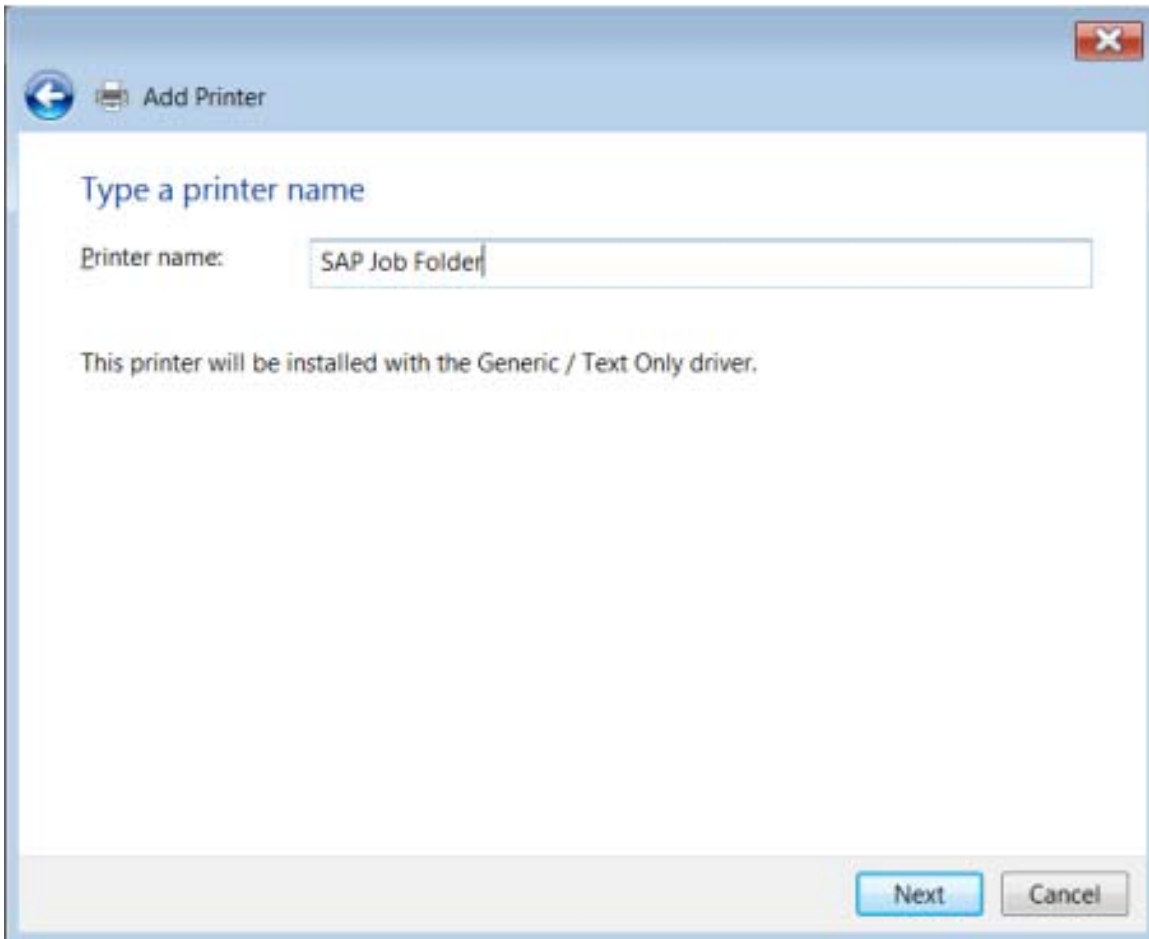


7. Select **Generic** for the Manufacturer and **Generic/Text Only** for the Printers

8. Select **Next**. The Add Printer dialog shown below is displayed.

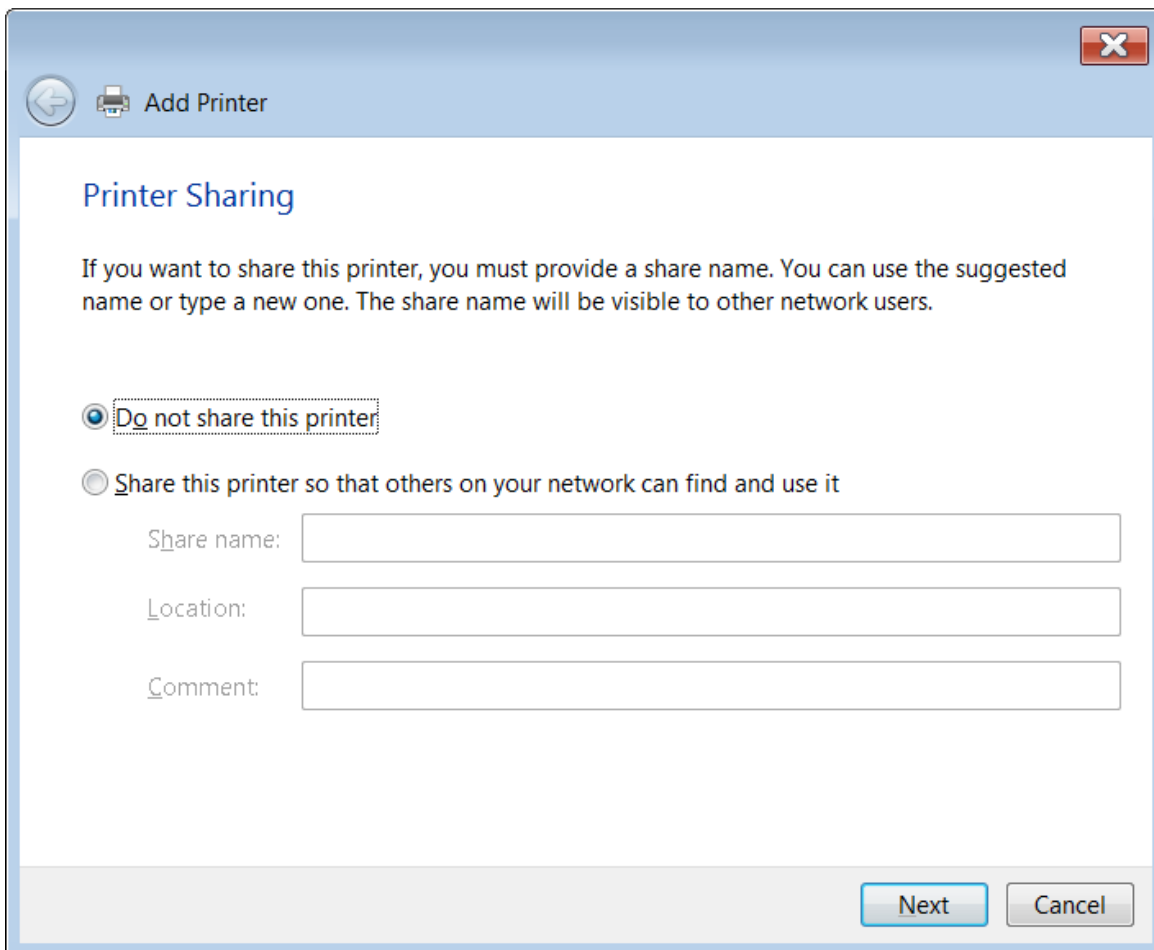


9. Choose **Use the driver that is currently installed (recommended)**.
10. Select **Next**.



11. Provide a Printer name in the Type a printer name field.

12. Select **Next**.



The screenshot shows a Windows-style dialog box titled "Add Printer". The "Printer Sharing" tab is selected. The dialog contains the following elements:

- A title bar with a back arrow icon, a printer icon, and the text "Add Printer".
- A "Printer Sharing" section header.
- Instructional text: "If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users."
- Two radio button options:
 - ☒ **Do not share this printer** (This option is selected and highlighted with a dashed border).
 - ☐ **Share this printer so that others on your network can find and use it**
- Three text input fields labeled "Share name:", "Location:", and "Comment:".
- At the bottom right, there are two buttons: "Next" (highlighted with a blue border) and "Cancel".

13. Select the **Do not share this printer** option under Printer Sharing.

14. Select **Next**.

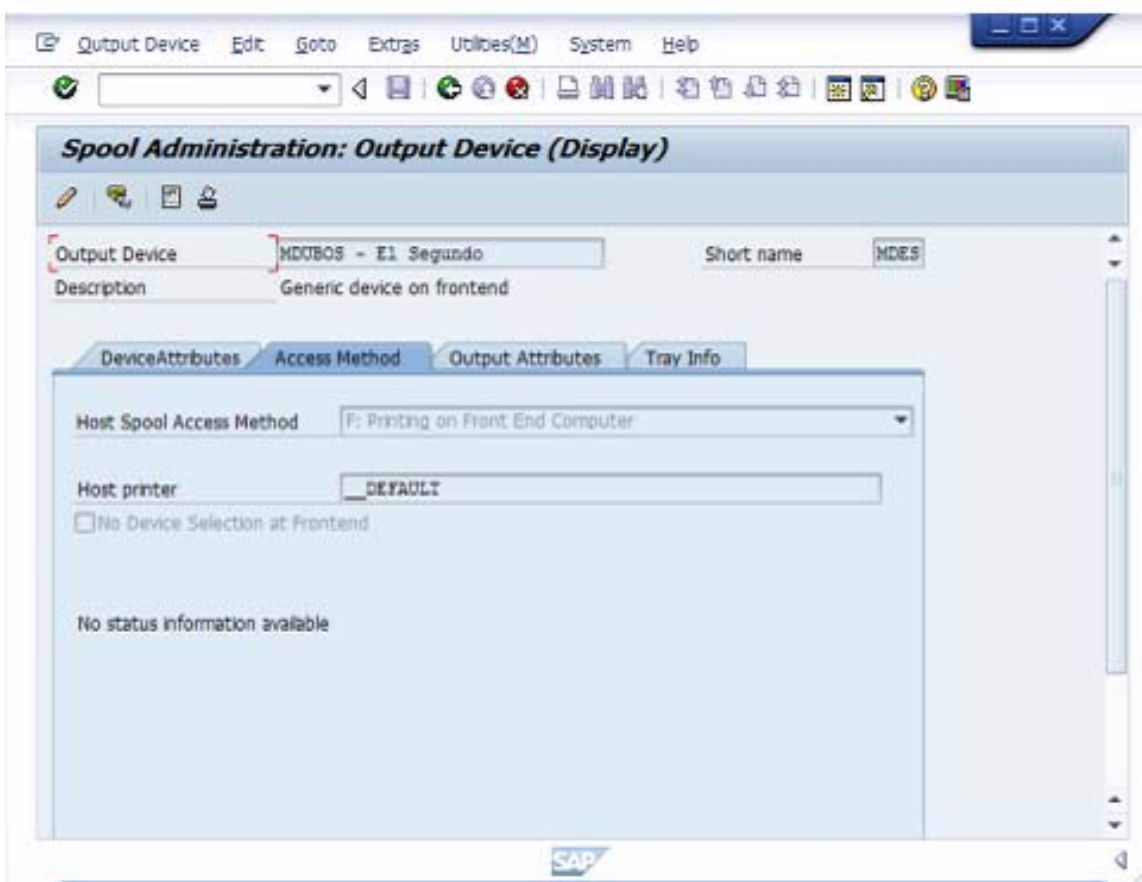
15. When the "You've successfully added Sap Job Folder" screen appears, click on the **Finish** button to complete the configuration.

NOTES

If the printer has been defined on the network as a remote printer and is to be accessed by R/3, set the printer up as shared and type in a share name.

To access the printer as the default for your system and SAP R/3, select it as the default printer. R/3 uses the share name to address a remote printer.

16. To print to the fixed file printer on Windows the output device must be modified. In the Host Spool Access Method field use **F: Printing on frontend computer** as the Host spool access method and **__DEFAULT** in the Host printer field.



SAPLPD

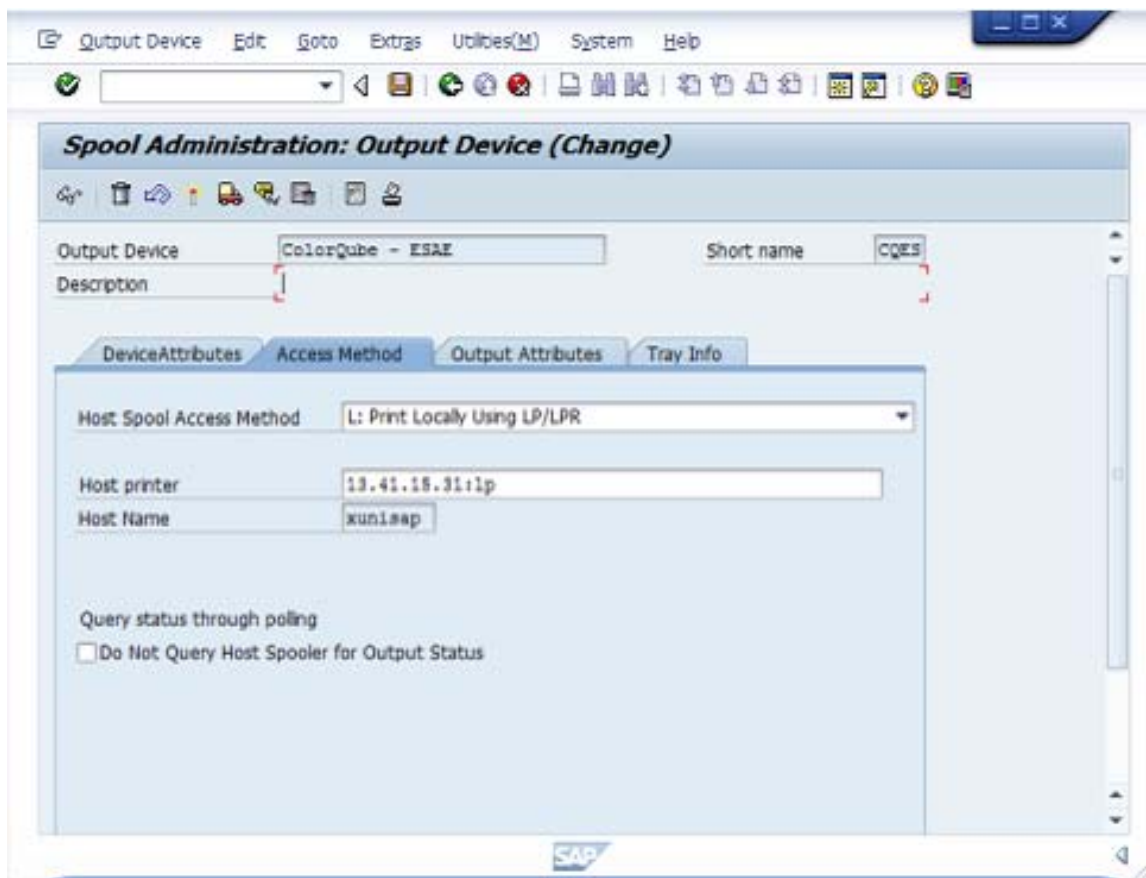
In order to receive jobs on windows for the Front end Computer Printing option in SAP you must install the SAPLPD program. SAPLPD must be running on the Windows PC for print jobs to pass through the Windows PC to create the fixed file printer or as a pass through to a VIPP enabled printer. This program needs to be started in addition to the SAPGUI program.

To install the SAPLPD program, you need to install the R/3 SAPGUI frontend software. The SAPLPD program is included in the SAPGUI installation package. You can find information on installing SAPGUI and SAPLPD in the SAPGUI installation documentation.

Using VIPP Enabled Printers via LP/LPR

To Print locally to a VIPP enabled printer via lp/lpr the SAP spool work process uses a command (e.g., lp or lpr) to transfer the spool requests to the host spooler. With this configuration, the SAP spool work process and the host spool run on the same server.

1. On the R/3 Spool Administration: Output Device (Display) window, select the Host Spool **Access Method** tab.



2. Enter **L: Print locally using LP/LPR** as the Host spool access method.
3. Enter the **IP address:queue name** (for example, 13.41.15.31:lp) in the Host printer field.

Installing Printers on a UNIX Front-end

In a SUN Solaris environment, printers are configured manually. This access method can be used for both Remote and PC printing. The SAP R/3 spool work process will transfer the formatted data to the host spooler through the network link.

This type of Front-end printing is suitable for large print jobs.

1. Define the printers IP address on the UNIX server.
2. Update the host table with this address and save (etc/hosts).
3. Next create a spool for the printer that you want to access. The following is an example of this procedure:
 - Open a Terminal window.
 - Define spool: `lpadmin -p printername -s printername!queue name`
 - Enable the printer: `lp -d printername hosts`.
4. Under the Host Spool Access Method tab use U;print using Berkley protocol as the Host spool access method and the IP address (13.1.408.47) in the Host printer field.

