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Xerox® FreeFlow® VI SAP Device Type Installation and User Guide

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Overview

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The Xerox FreeFlow® Variable Information SAP Device Type enables Xerox customers to 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 process variable data applications effectively 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, then forward the documents to other processes within the environment. VIeC extends the VIPP® workflow into electronic distribution and archive, by generating Adobe PDF files from the same data files sent to a VIPP®-enabled print device. Next, you can use the VIeC Dispatch module to pass the PDF files, and information from the data record that produced them, to a user-defined process. The files can be integrated into processes within the environment, which can include email servers or archive systems. Additionally, 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, which is an application created using the VIPP® language, turns structured business data containing variable information into composed pages that can be displayed, printed, or generated into digital documents, such as PDF, VPC, TIFF documents. Examples of structured business data include line data, field delimited records, and XML.

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

For information about SAP and Xerox Device Types, refer to the following websites:

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

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: The SAP 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 about contacting SAP. However, SAP administrators at the customer site can go to SAP through their support agreements for assistance.

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

Overview of SAP and VIPP®

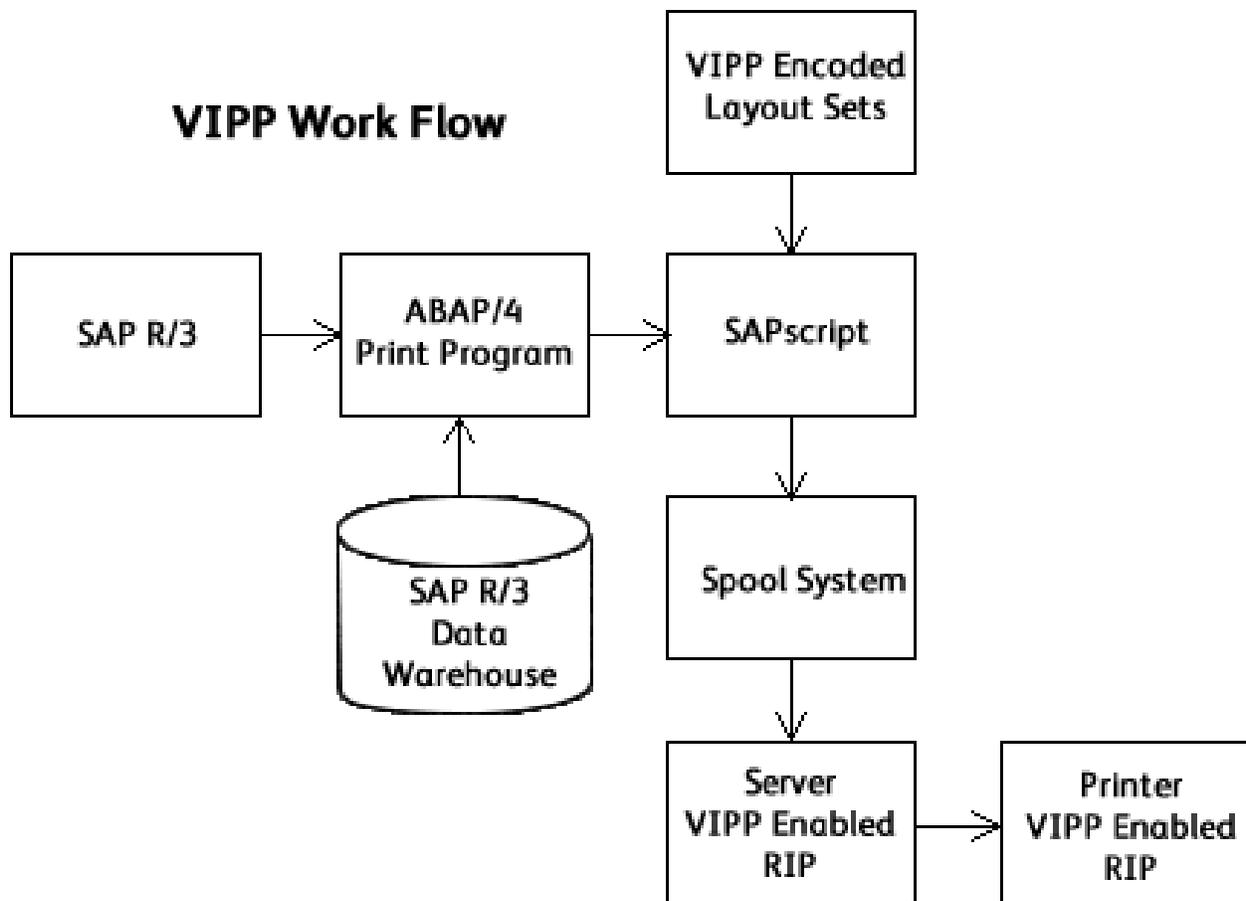
Variable Data Intelligent Production PrintWare (VIPP®) is an inexpensive solution for providing fixed-form solutions and extended printer control to SAP output. The VIPP®-based FreeFlow® VI eCompose Server takes that one step further, allowing you to print and generate PDFs, including child PDFs, from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

Use VIPP® software to maintain your data production separately from your data presentation, and maintain your layout design without modification to SAP R/3 layout sets. The inclusion of a VIPP® software interface on a Xerox printer or the Windows-based FreeFlow® VI eCompose server does not inhibit the processing of any typical jobs. VIPP® software allows the printer or FreeFlow® VI eCompose Server to service multiple applications.

The SAPscript alone does not provide the page-layout functionality of VIPP® software. SAPscript provides only rudimentary page formatting. VIPP® software excels in several areas where SAP falls short. VIPP® software provides the following features:

- More elaborate forms than are available with SAPscript
- Color or gray-level settings
- Text rotation
- Legacy and 2-D barcodes, including IMB, QR code, and others
- Data-driven business graphics
- Variable data rules and conditions
- Variable text and image control
- Print multiple images on a single sheet of paper through the Stack printing feature
- Media selection
- Front and back form enabling
- Absolute placement coordinates of text and images
- Print Carriage Control (PCC) processing

VIPP® software can add value to an SAP implementation in a multitude of ways. The cost of expensive SAPscript programming can be reduced by moving the workload to less expensive VIPP® programming, including the easy-to-use FreeFlow® VI Design Express, an Adobe InDesign plug-in design tool. Apply existing VIPP® expertise to reduce costs further. Perhaps one of the greatest benefits from VIPP® software is reducing SAP R/3 processing and network overhead. VIPP® software generates simple, plain-text output from R/3, then offsets the page translation and overlay work to the VIPP® server.



Implementing VIPP® does not eliminate the need for SAPscript and SAP layout sets. VIPP® software reduces greatly 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 become in essence a Record-Processing Entry (RPE) for use by VIPP® software. When you define each record with the `RPEKEY` prefix, data is placed on the page according to the values defined in the Job Descriptor Ticket (JDT) file. For more information, refer to the *VIPP® Language Reference Manual*.

The following is an example data stream:

```

%!
(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 require the start characters %!. The second line initializes Line Mode processing with the STARTLM command. Each subsequent field, 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 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 file begins with job information, such as job title and job creator. Lines beginning with the character % are comments and are ignored during processing. Fonts are aliases in the example, listed as F1 and F2.

To select media for the document, use the SETMEDIA command. The SETMEDIA command is comparable to the SetTray command used by the Xerox DocuPrint User Interface.

- The call to SETFORM causes the specified form file to print on the current page and all subsequent pages. To help in the production of VIPP® forms, several third-party forms solutions are available for VIPP® software.
- In the example data stream, all records contain four-character prefixes. The character length is defined by the value set with the SETRPEPREFIX command.
- The SETRPEPREFIX command enables the RPE prefix mode. Each prefix is then defined, along with the placement of the record.
- The ENDRPE command ends the RPE library definition.

When you use the RPE presentation mode, VIPP® resources are called dynamically by embedding Native Mode Prefix records into the data stream. Records prefixed with % XGF are processed as VIPP® commands instead of printable data.

You can embed VIPP® codes into the output data stream to control such printer features as:

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

The following table is a subset of VIPP® commands that you can embed into the data stream to take advantage of printer-specific functions:

VIPP® Command	Printer Function
DUPLEX_on	Enables duplex printing.
DUPLEX_off	Disables duplex printing. This is the default setting.
TUMBLEDDUPLEX_on	Enables tumble duplex printing.
TUMPLEDDUPLEX_off	Disables tumble duplex printing.
SETMEDIA	Sets the current Media Type for subsequent pages.
STAPLE_on	Enables the stitching of sets within a job in the output tray.
STAPLE_off	Disables 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.

When you require advanced forms design beyond the limitations of SAPScript, use VIPP® software. The VIPP® software implementation provides cost savings in the development and maintenance of the SAP R/3 forms solution. VIPP® software lessens the strain on R/3 processing hosts and network overhead by off-loading processing to the printer.

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

- *VIPP® Language Reference Manual*: Contains information about VIPP® commands, markers, transform functions, variables, parameters, and error messages. Includes 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 Guide*.
- *FreeFlow® VI Compose User Guide*: Provides the background information to consider when using the VIPP® language and VI Compose to print jobs. The document 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 Guide*: Provides the information to generate Adobe PDF documents from VIPP®-based variable data applications, and forward the PDFs to other processes within the environment. The document provides information on electronic distribution and archiving by generating Adobe PDF files from the same data files sent to a VIPP®-enabled print device. The user guide includes information on how the VI eCompose Server can forward the data submission file or the Master PDF file to an identified VIPP®-enabled print device. Provides information for hard copy output to a print device available in the Printer dialog box on a Windows server.

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

This chapter contains:

- [Downloading the Xerox VIC Device Type, Form, and Test Job from the Xerox Website](#) 18
- [Importing the Xerox Device Type, Form, and Test Job](#)..... 19
- [Creating an Output Device](#)..... 22
- [Assigning the Imported Device Type to the Output Device](#)..... 24
- [Printing the Test Job](#)..... 26

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

- Device Type
- Output Device

This chapter includes:

- Importing the VI Xerox SAP R/3 Device Type, Form, and Test Job into a customer SAP system, using the R/3 program RSTXSCR.
- Creating an Output Device in R/3.
- Assigning the VI Xerox Device Type to an Output Device.
- Running the Test Job.

You can download the Xerox VI SAP R/3 Device Type, Form, and Test Job from the Xerox website.

Do not change the Xerox VI SAP R/3 Device Type name. If you change the name, processing issues can occur.

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

The Xerox VI SAP R/3 Device Type is an ASCII text file. After you copy the file, you can import it into the R/3 system, without modification.

Importing the Xerox VI SAP R/3 Device Type into SAP R/3 requires assistance from the customer 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 Guide* are provided in the zip file: VISAPDT.ZIP. You can download the file from the Xerox website www.xerox.com. Go to the Support & Drivers section. Search for **VIPP**, then select the software option. The zip file is in the Utilities & Applications section. You can download the zip file to your Microsoft Windows workstation or server.

Downloading the Xerox VIC Device Type, Form, and Test Job from the Xerox Website

1. Go to the Xerox website www.xerox.com.
2. Go to the Support & Drivers section. Search for **VIPP**, then select **Software**. The VISAPDT zip file is in the Utilities & Applications section.
3. Copy or extract the files to a folder. The files contain everything that you need to install and test the Xerox VI SAP Device Type. The following table lists the files that you can download or extract, and the file 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 Guide</i>

4. Copy the following files to your C:\temp directory.

 **Caution:** Do not rename the files.

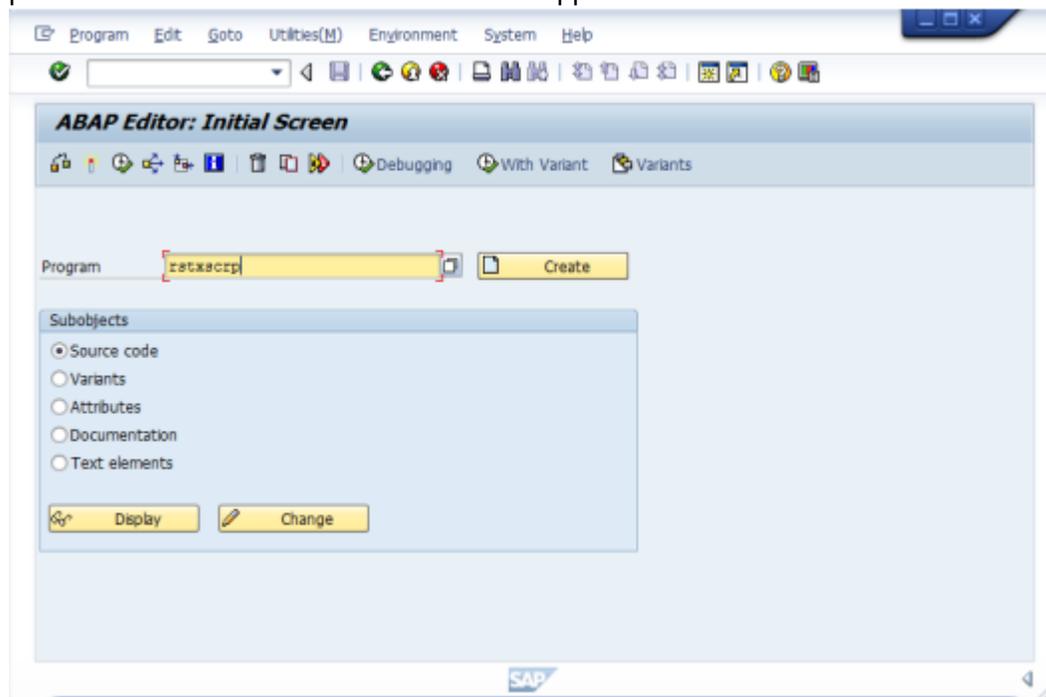
- ZVIPPDT.PRI
- ZVIPP_FORM.FOR
- ZVIPP_TEXT.TXT

Importing the Xerox Device Type, Form, and Test Job

You can import a test job from a SAPGUI front end or from an R/3 server. To enable the R/3 transaction SE38, system administrator credentials are required.

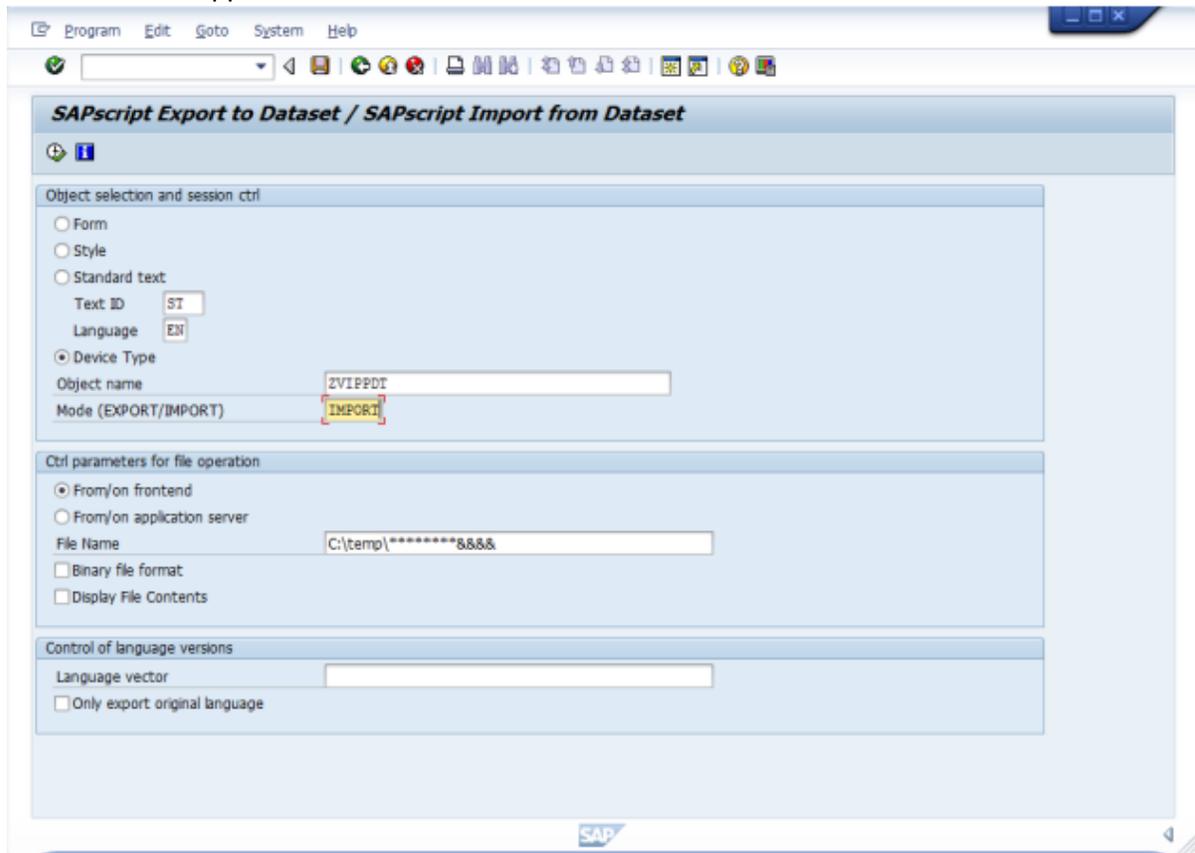
 **Note:** SAP delivers a set of device types with the R/3 software, and adheres to a strict naming convention. Changing the name of the Xerox SAP R/3 Device Type file can cause the import program to overwrite another device type in the system.

1. From your Microsoft Windows workstation or server, log in to SAP R/3. The R/3 Easy Access main screen appears.
2. In the transaction window at the top left of the screen, type the transaction number SE38, then press **Enter**. The ABAP Editor: Initial Screen appears.



3. In the Program field, type RSTXSCR. RSTXSCR is the R/3 ABAP import program.

- Click the **Execute** icon  or press **F8**. The SAPscript Export to Dataset / SAPscript Import from Dataset screen appears.



- For Object selection and session ctrl, select **Device Type**.
- In the Object name field, enter the Xerox SAP R/3 Device Type name. The Xerox VIC Device Type is ZVIPPDT.PRI.

 **Note:** Ensure that this device type name matches the name of the device type downloaded from the Xerox website.

- In the Mode EXPORT/IMPORT field, type `IMPORT`.
- Select **From/on frontend**.
- In the Dataset name field, enter the path, filename, and extension.

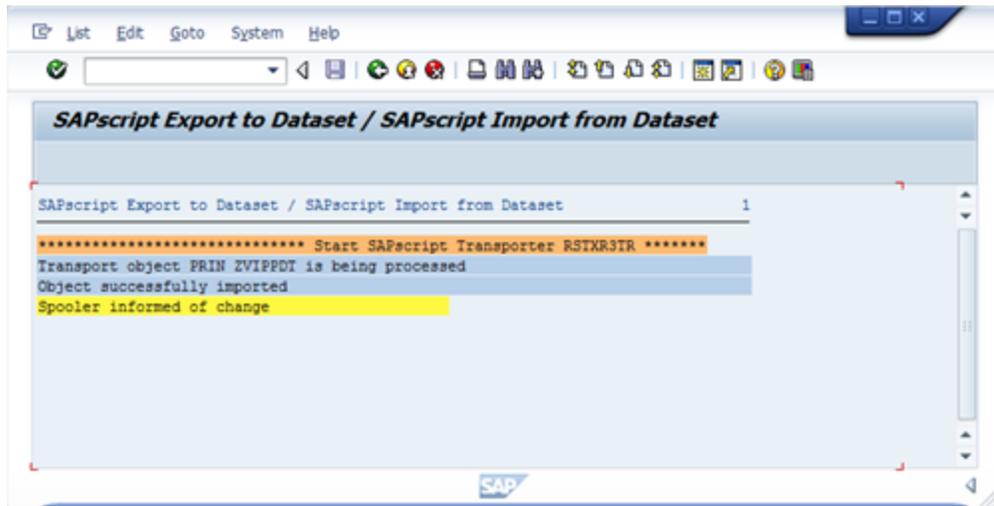
 **Note:** If you created your device type, or have your device type in your C:/temp directory, and the device type has an extension of `.pri`, you do not have to change the value in the Dataset name field. The default value of `C:\temp*****&&&` looks for the device type name that is in the Object name field, and that has an extension of `.pri` in the `C:/temp` directory on your front-end device.

- Select the **Execute** icon  or press **F8**. An Open window appears to confirm the selections.

 **Note:** If Create Object Directory Entry appears, enter the development class, then select **Save**. A Prompt for Local Workbench request window appears. Select **Continue**.

11. For the file ZVIPPDT.PRI, select **Open**.

After the import completes, a screen displays the results of the Import.



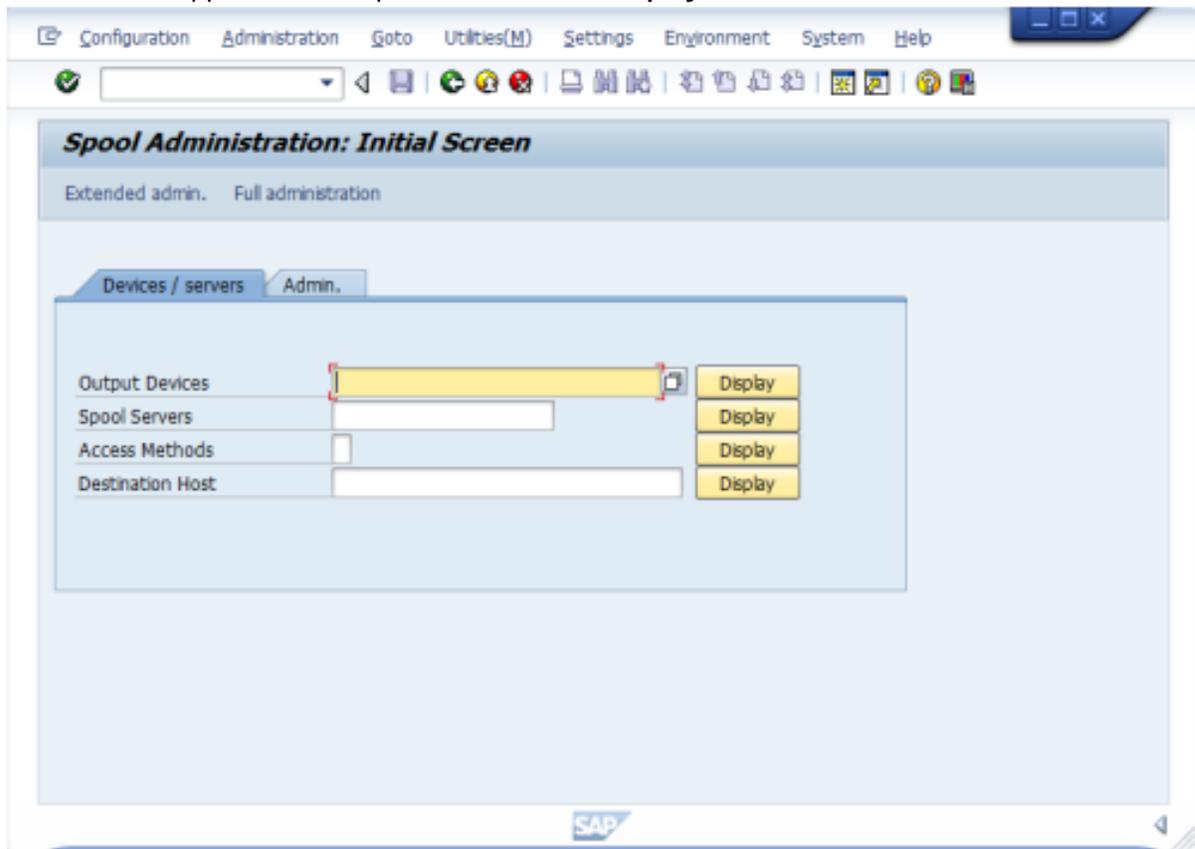
12. Return to the SAPscript Export to Dataset / SAPscript Import from Dataset screen. Import the form and the test job:

- For Form, follow these steps:
 - For Object Selection and Session Ctrl, select **Form**, then type the Object name ZVIPP_FORM
 - Select the **Execute** icon  or press **F8**.
 - For the file ZVIPP_FORM.FOR, select **Open**. When the import is completed, a screen displays the results of the Import.
- For Test Job, follow these steps:
 - For Object Selection and Session Ctrl, select **Standard text**, then type the Object name ZVIPP_TEXT
 - Click the **Execute** icon  or press **F8**.
 - For the file ZVIPP_TEXT.TXT, select **Open**. When the import is completed, a screen displays the results of the Import.

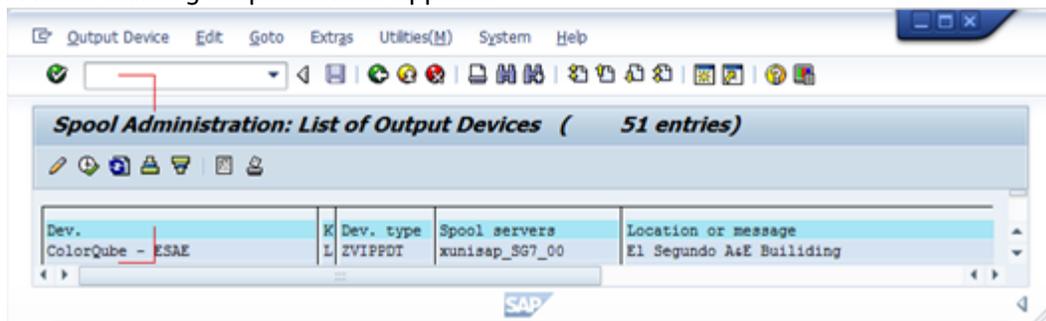
Creating an Output Device

To define the physical printer, create an output device in R/3. Provide the host spool printer device attributes.

1. In the transaction window at the top of the screen, enter `/nspad`. The Spool Administration: Initial Screen appears. For Output Devices, select **Display**.



A list of existing output devices appears.



2. Click the **Change** icon  or press **F8**.
3. Click the **Create** icon  or press **Shift+F1**. The Spool Administration: Create Output Device screen appears. In R/3, Output Device defines the physical printer. The file includes information about the physical printer, such as name, IP address, and host spool attributes.

- a. In the Output Device field, enter the printer name. The Output Device is the name that a customer wants to use for the printer within an organization. For example: ColorQube - Third Floor - Room 3402.
- b. In the Short Name field, enter up to a 4-character name. For example: DP65. The Short Name can be a nickname for your printer.

The screenshot displays the SAP 'Spool Administration: Create Output Device' form. The 'Output Device' field is highlighted with a yellow box and contains the text 'ColorQube - ESAE'. The 'Short name' field contains 'CQES'. The 'Description' field contains 'Generic device on frontend'. The 'Device Attributes' tab is selected, showing 'Device Type' as 'ZASCII : Xerox VIPP ASCII Print Driver' and 'Device Class' as 'Standard printer'. Other fields include 'Authorization Group', 'Model' (ColorQube), 'Location' (El Segundo A&E Building), and 'Message'. A checkbox for 'Lock Printer in SAP System' is present at the bottom.

Assigning the Imported Device Type to the Output Device

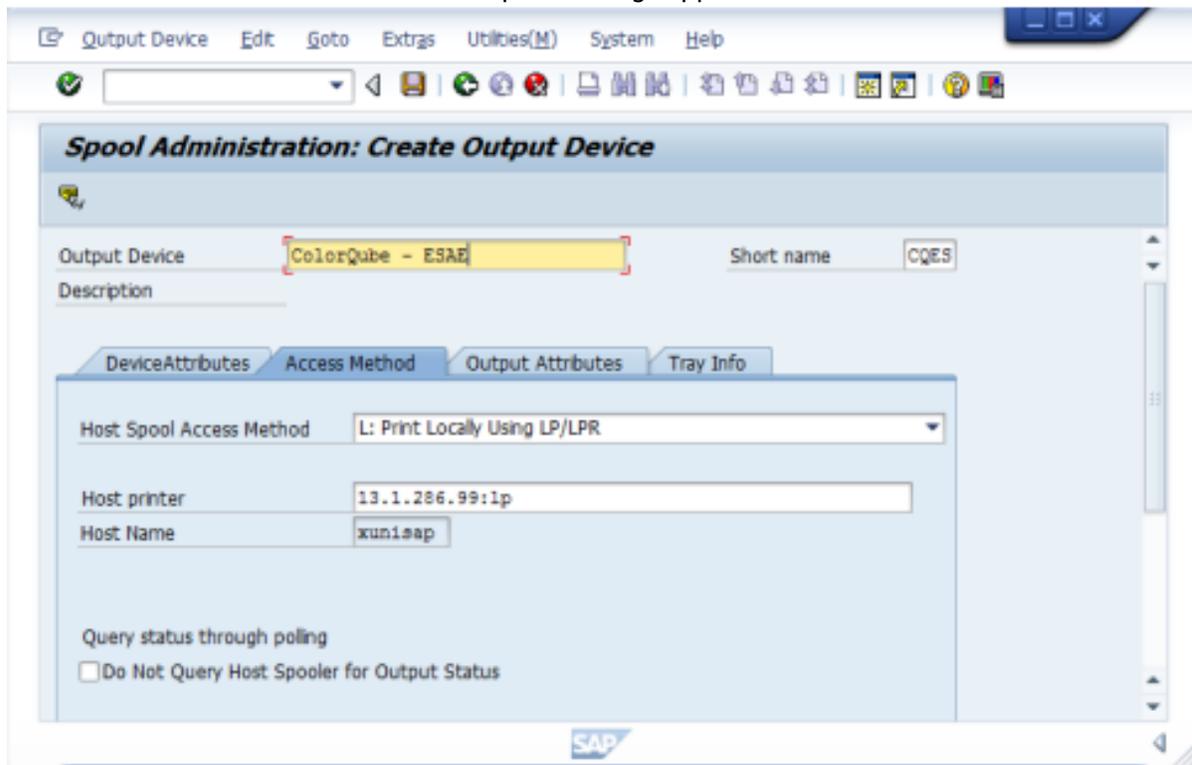
At the Spool Administration: Create Output device screen, select the **Device Attributes** tab, then:

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.

Setting the Host Spool Access Method

After you set the print output device attributes, set the host spool access method.

1. Click the **Access Method** tab. The Host Spool settings appear.

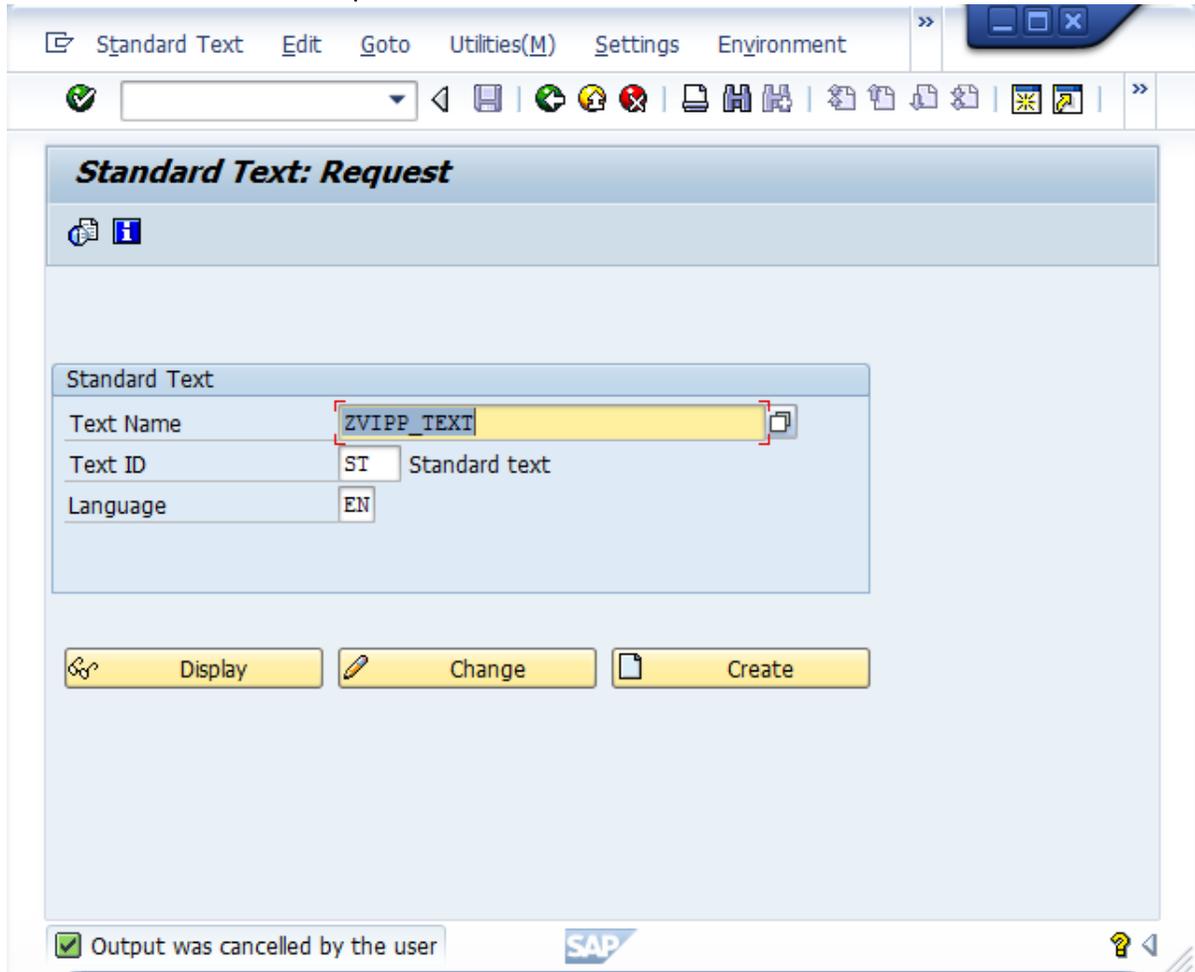


2. From the Host Spool Access Method menu, select the access method that applies to the installed Xerox printer. Most Xerox printers use option L:Print Locally Using LP/LPR. For a description of all access methods, refer to [Access methods](#).
3. In the Host printer field, type the Xerox printer IP address and the print method. For example:
13.1.286.99:lp
4. Click the **Save**  icon or press **Ctrl+S**.

The printer is configured.

Printing the Test Job

1. Go to the Standard Text: Request screen.



2. In the Text Name field, enter the test job file name: ZVIPP_TEXT.
3. To access the Print screen, click the **Print** icon, or press **Ctrl+P**.
 - a. In the Output Device field, type the name of your print device.
 - b. In the Spool Control section, select **Print immediately**.

Access Methods

This chapter contains:

- [Local Printing](#) 31
- [Remote Printing](#) 32
- [Printer Definitions](#) 33

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. For example, UNIX or Windows, and if 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 the print manager. Data is not stored temporarily in the host file system.</p> <p>Commonly used for local printing when defining output devices managed by Windows systems.</p> <p>The spool work process and the print manager, which drive 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 use as an archiving system.</p> <p>You can define a printer as an archive service. When documents are sent to the SAP spool system, the documents can be transferred to the archive system and the printing device.</p> <p>The Spool system is used only as temporary storage for documents waiting for archive.</p> <p>The ArchiveLink facility handles further processing.</p>
L	<p>Print locally using the print command lp or lpr with Signal.</p> <p>SAP spool work process uses a print command to transfer the spool requests to the host spooler.</p> <p>Lp or lpr print commands are operating-system dependent.</p> <p>The SAP spool work process and the host spool are running on the same server.</p> <p>This access method is not supported on Windows systems.</p>

Access Methods	Description
<p>F</p>	<p>Front-end-printing allows sending output to a user workstation.</p> <p>SAP passes the output request to the SAPLPD transfer program at a user PC or to the line-printing daemon (lpd) at a UNIX user 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. The dialog work process cannot handle other requests until the output is sent to the front-end workstation, so the process can degrade overall performance.</p>
<p>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, you can send output requests to more than one printer at a time. Use this access method for automatic print-load balancing on several printers.</p> <p>To enable this method, run the ABAP/4 report RSP00051.</p>
<p>U</p>	<p>Print using LPDHOST with 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 transfers the formatted data to the host spooler through the network link.</p> <p>This method is not recommended for slow WAN connections, because it can slow the processing of other print requests.</p> <p>You can use this method for UNIX and OS/2 systems. You can use this method together with the SAPLPD program on Windows systems, although access method S is more appropriate.</p>
<p>S</p>	<p>Print on LPDHOST using SAP protocol. Use this access method for remote printing and printing in a Windows environment.</p> <p>This method uses a special SAP communication protocol (SAPLPD), which includes data compression, transmission of the SAP title, and so on.</p> <p>This access method is used mainly for printers that are defined using the SAPWIN device type.</p>
<p>X</p>	<p>This method is used for devices managed by the SAP spool system. The SAP communication server SAPcomm handles the SAP communication, such as Fax, Telex, and EDI.</p>
<p>E</p>	<p>External System Output Management.</p> <p>The printer is connected over an external OMS (Output Management System).</p>
<p>M</p>	<p>Print using email</p>

Local Printing

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

Remote Printing

For Remote Printing, the SAP system that runs the spool work process and the host spool system are connected over a network. The printer can 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, refer to the [Access Methods](#) table.

Creating a Print To Fixed File Printer in Windows

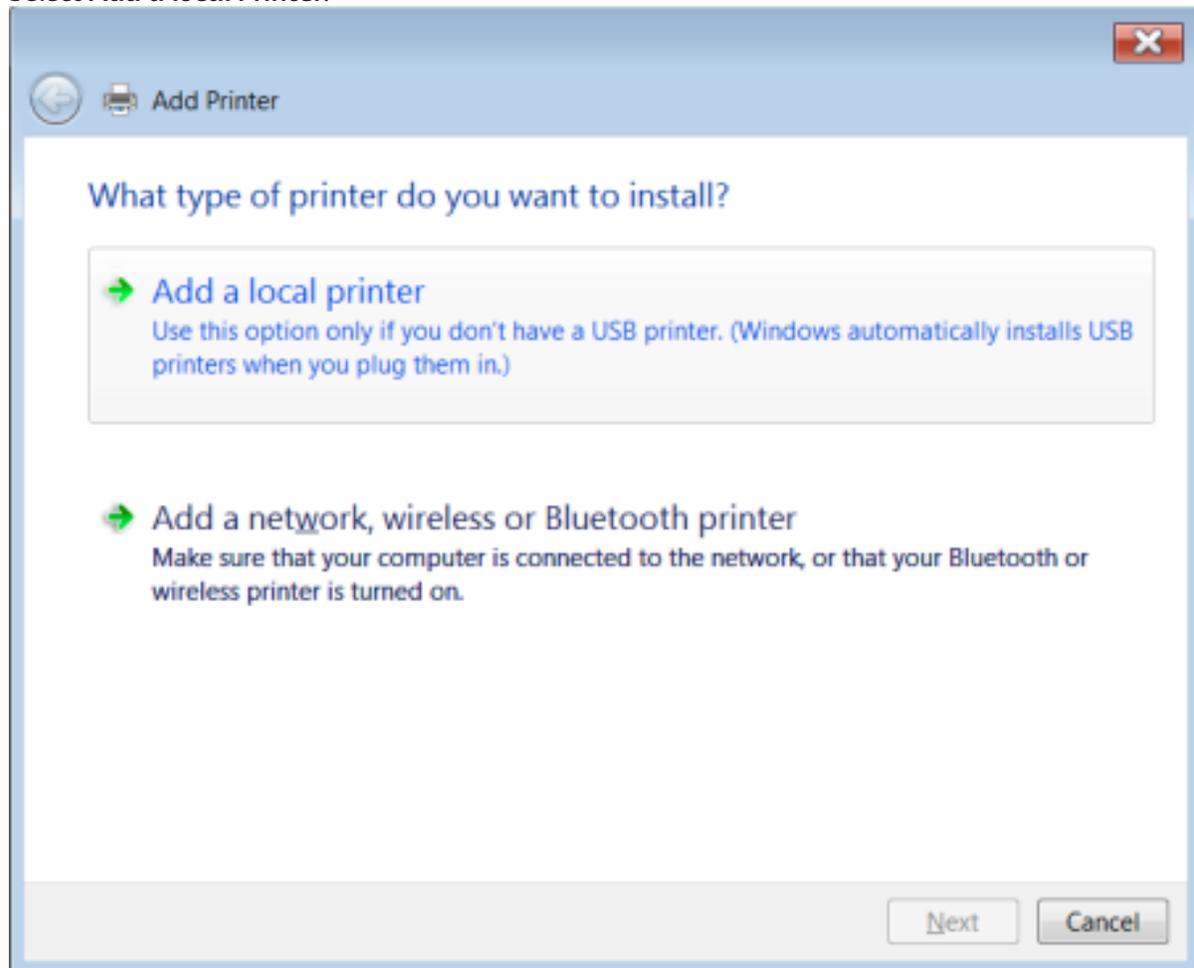
You can configure printers installed in Windows to print from a front-end computer, and bypass the spool work process. This configuration can degrade overall performance, because the dialog work process cannot handle other requests until the output is sent to the front-end workstation.

In Windows, printers are configured automatically by the appropriate installation program that is shipped with the printer, or configured manually. To install the printers manually, drivers are required.

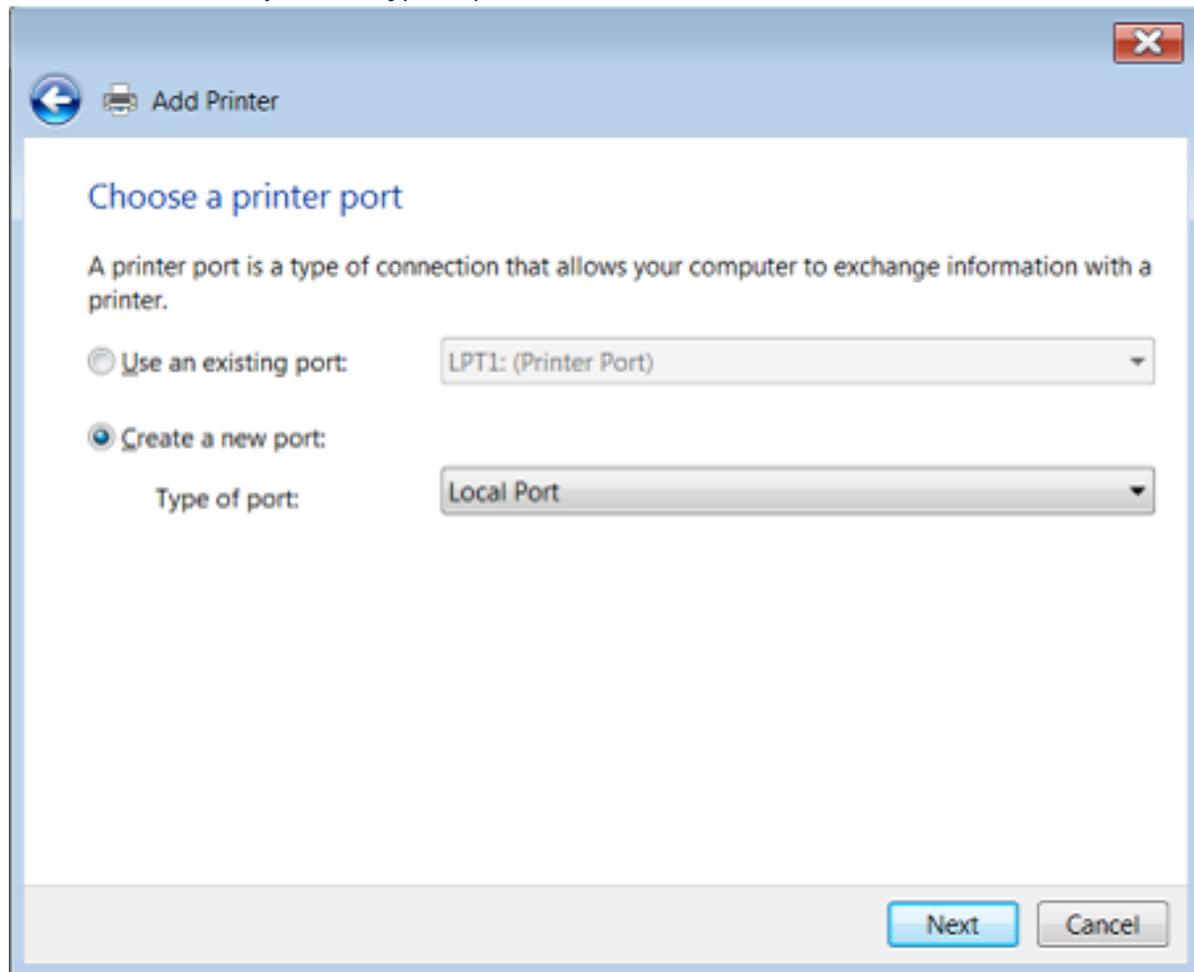
The following is an example of setting up a local printer so that you can print to a Windows PC with a fixed name. You can use this example for the VI eCompose product installed on Windows. These procedures vary for the version of Windows that you are using.

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.

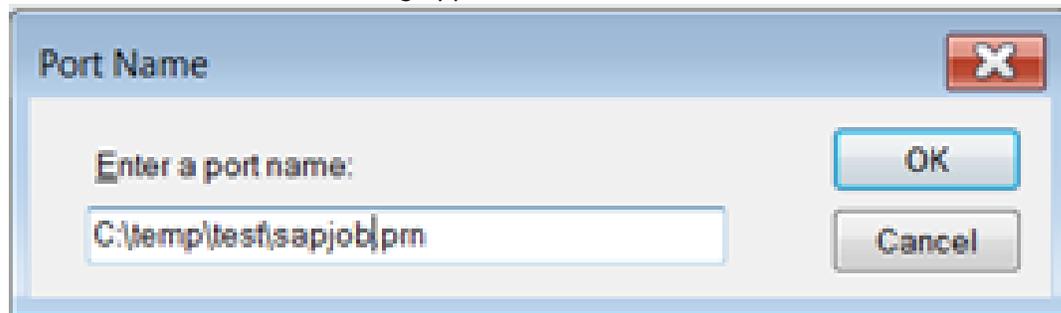
3. Select **Add a local Printer**.



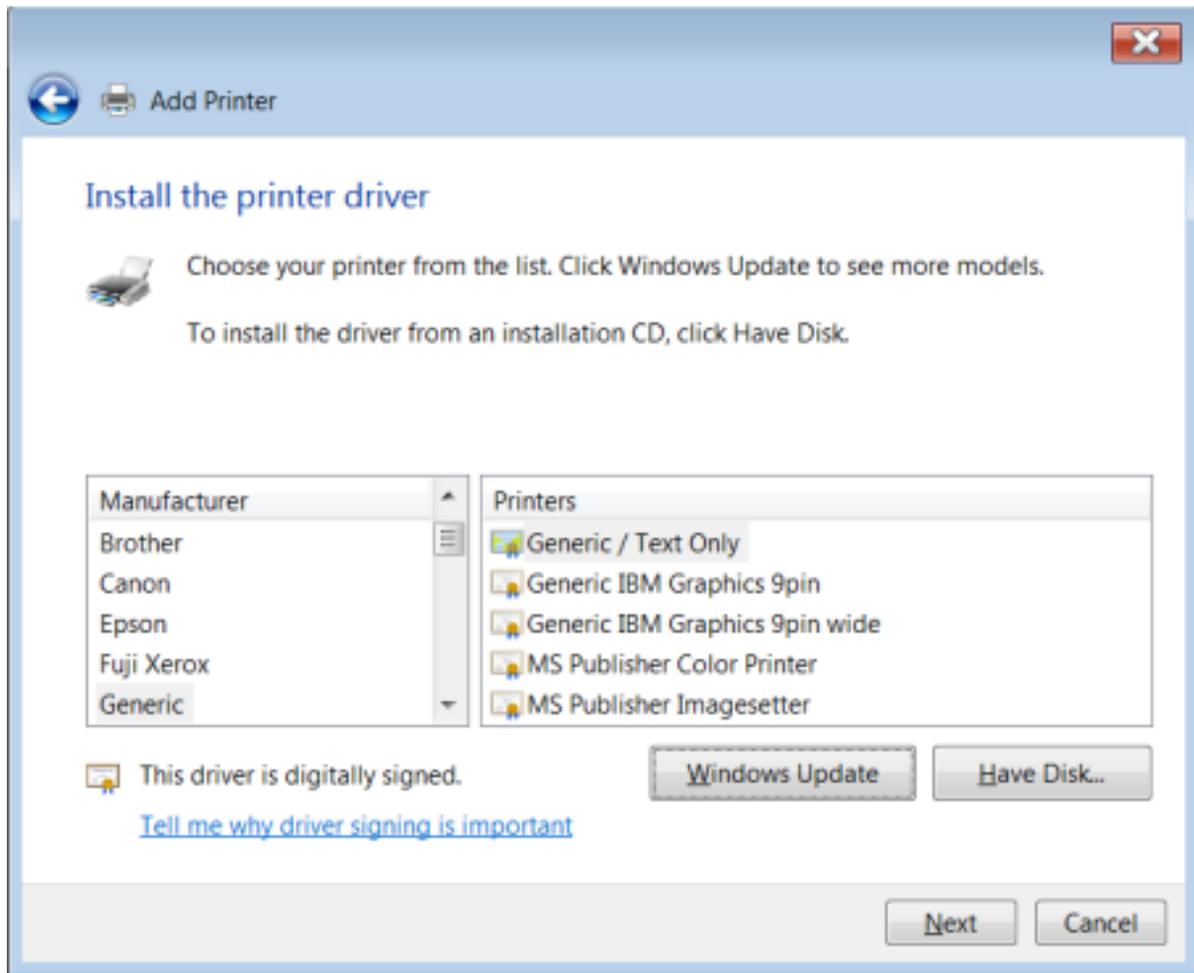
4. Select **Create a new port**. For Type of port, select **Local Port**.



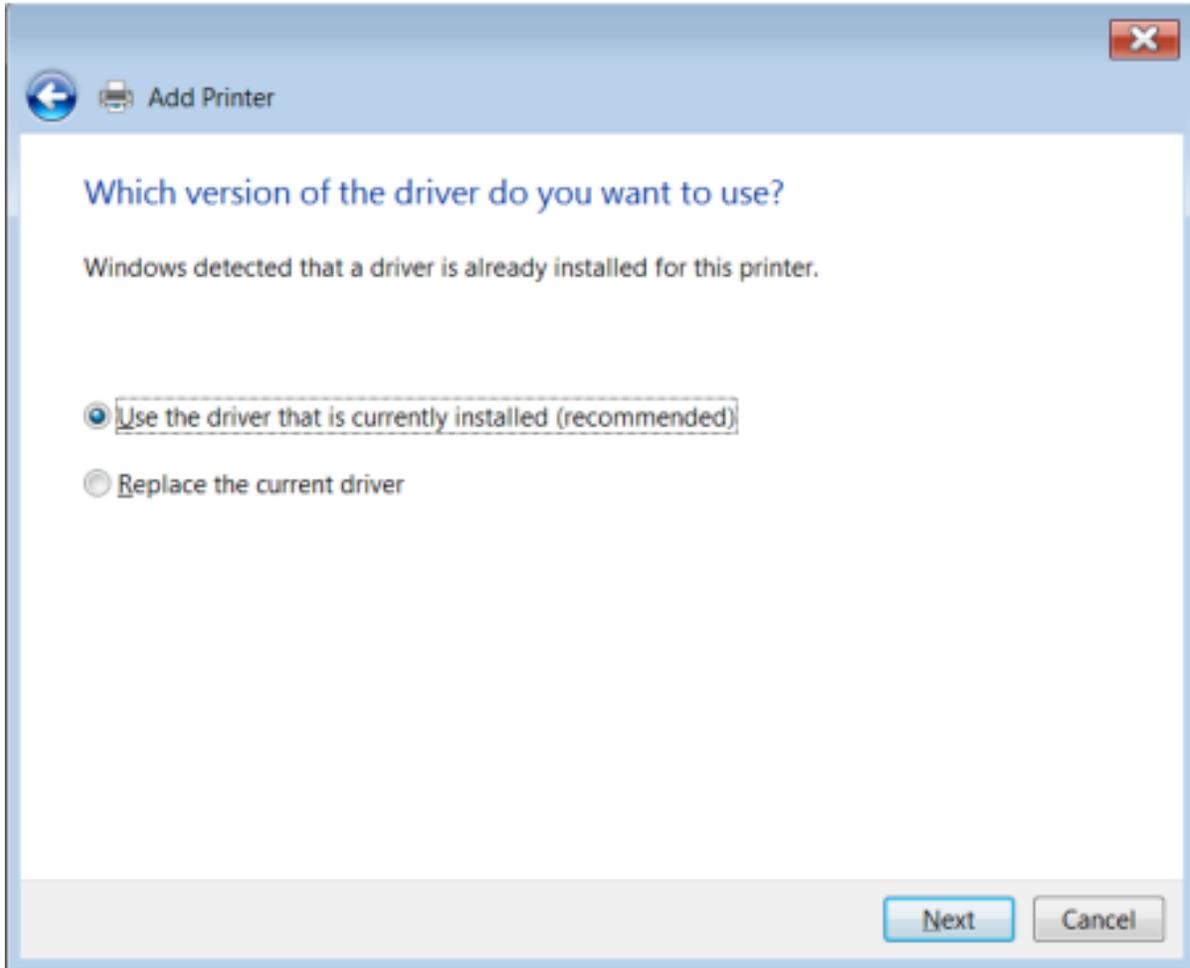
5. Click **Next**. The Port Name dialog appears.



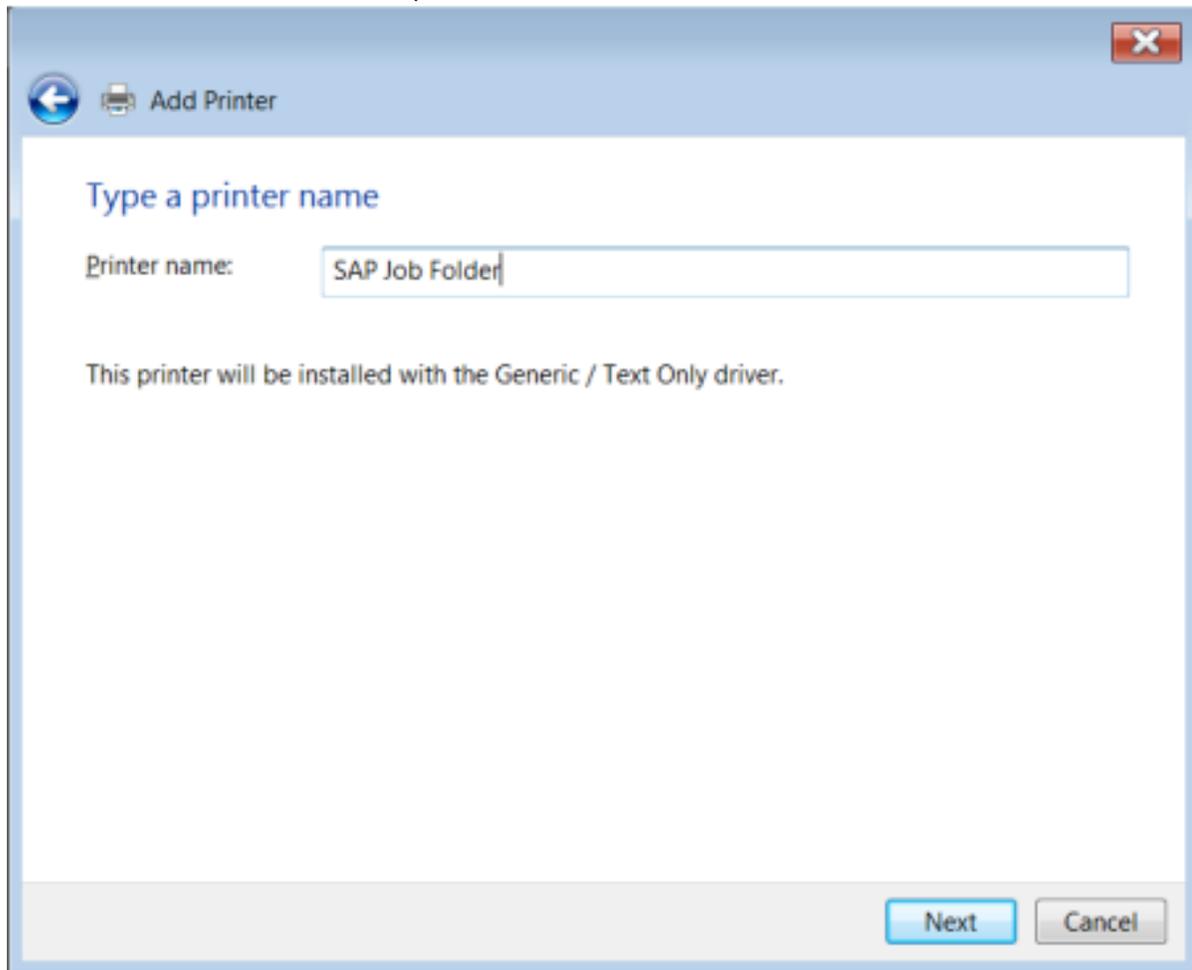
6. For the port name, enter a fixed file name. Select **OK**. The fixed file printer name for C:\temp\test\sapjob.prn sends all jobs to the same file name, overwriting the previous file. The Install the printer driver window appears.
- For Manufacturer, select **Generic**.
 - For Printers, select **Generic/Text Only**.



7. Click **Next**. The Add Printer dialog appears. Select **Use the driver that is currently installed (recommended)**, then click **Next**.



8. In the Printer name field, enter a printer name, then click **Next**.



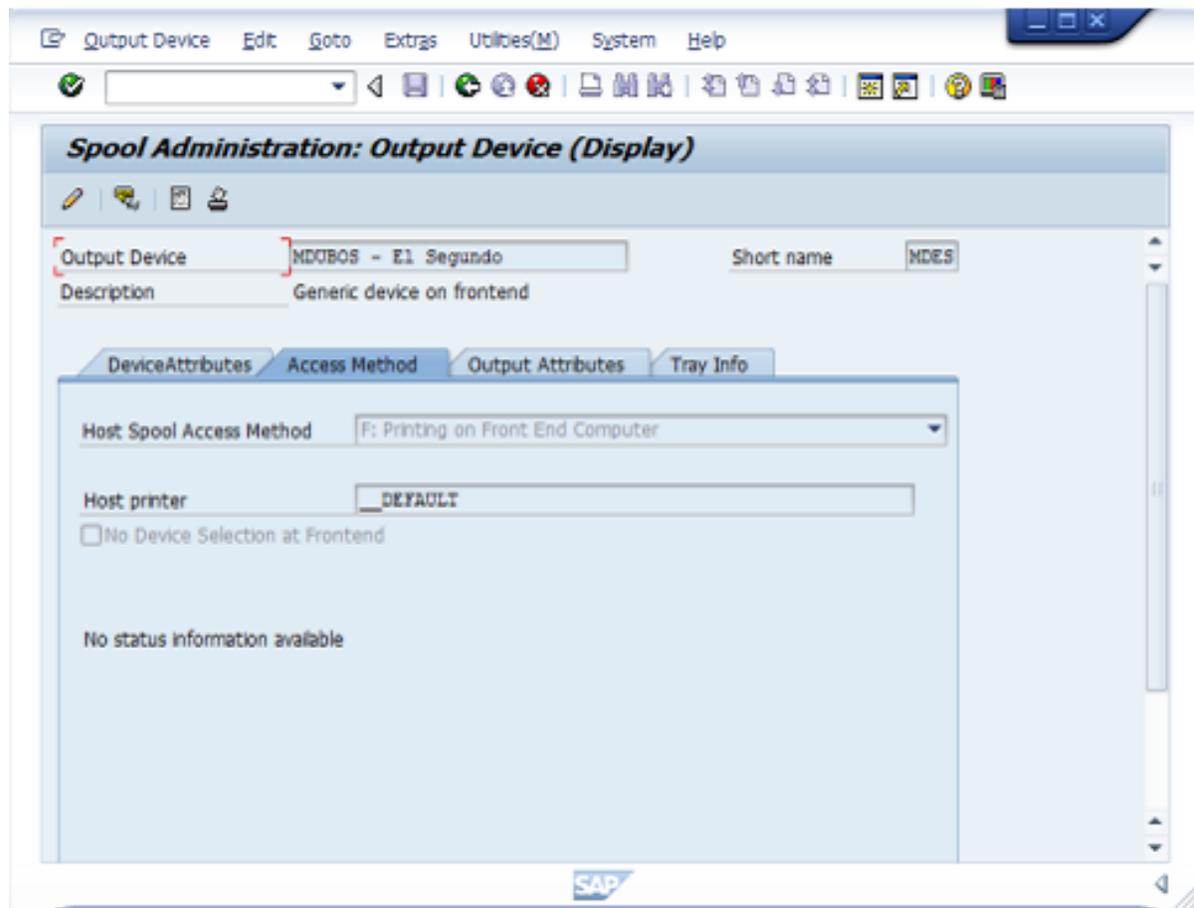
9. For Printer Sharing, select **Do not share this printer** option, then click **Next**.

The screenshot shows the 'Add Printer' dialog box in Windows. The title bar says 'Add Printer'. The main heading is 'Printer Sharing'. Below the heading is a paragraph: '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.' There are two radio buttons: the first is selected and labeled 'Do not share this printer'; the second is unselected and labeled 'Share this printer so that others on your network can find and use it'. Below the second radio button are three text input fields: 'Share name:', 'Location:', and 'Comment:'. At the bottom right of the dialog are two buttons: 'Next' and 'Cancel'.

10. When the message **You've successfully added Sap Job Folder** appears, to complete the configuration, click the **Finish** button.

 **Note:**

- If the printer is defined on the network as a remote printer and you want R/3 to access the printer, set up the printer as a shared device. Type a share name.
 - To access the printer as the default for your system and SAP R/3, select the printer as the default printer. R/3 uses the share name to address a remote printer.
11. To print to the fixed file printer in Windows, modify the output device.
- a. In the Host Spool Access Method field, select **F: Printing on Front End Computer**.
 - b. In the Host printer field, select **__DEFAULT**.



SAPLPD

To receive jobs in Windows for the Front End Computer Printing option in SAP:

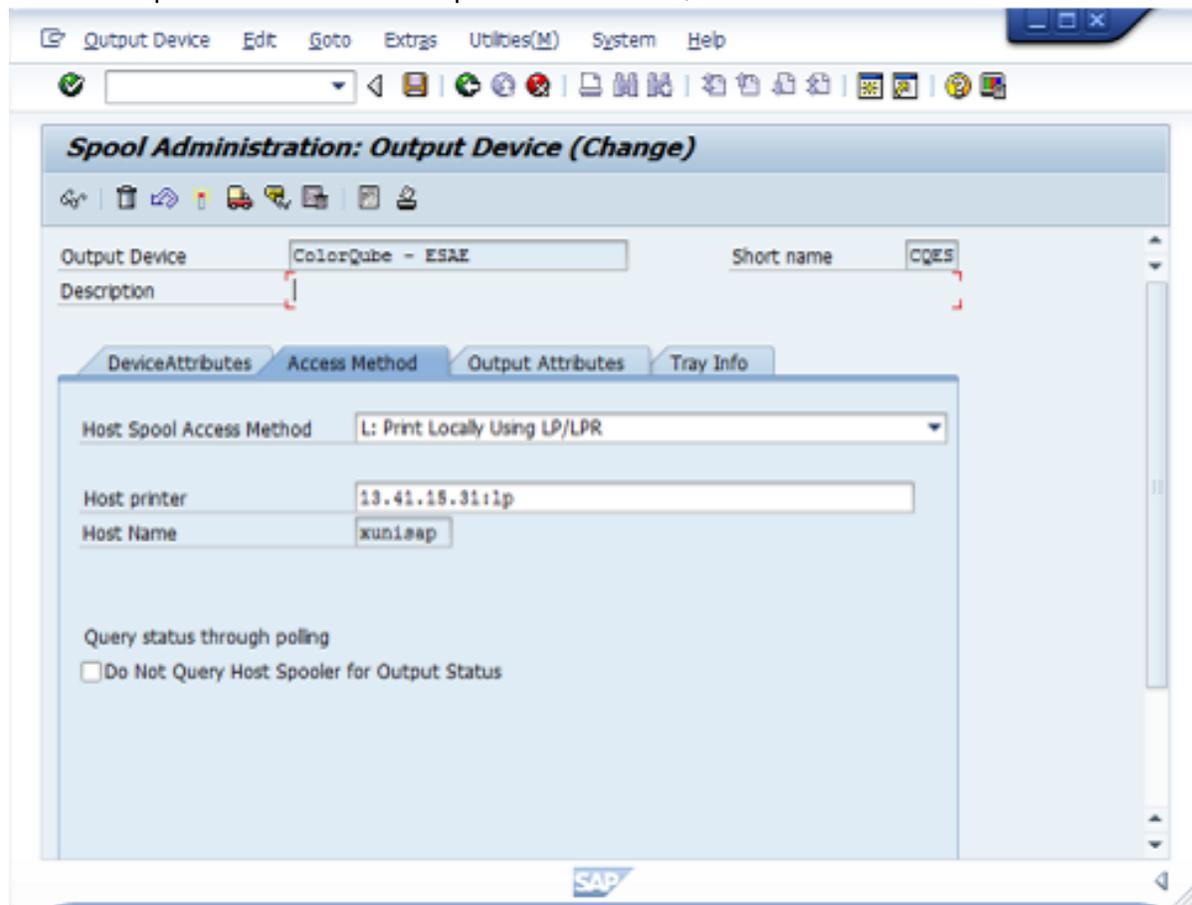
- Install the SAPLPD program. SAPLPD is required on the Windows PC. Print jobs pass through the Windows PC to create the fixed-file printer or as a pass-through to a VIPP®-enabled printer.
- To install the SAPLPD program, install the R/3 SAPGUI front-end software. The SAPLPD program is included in the SAPGUI installation package.
- Start the SAPLPD program and the SAPGUI program.

For information on installing SAPGUI and SAPLPD, refer to the SAPGUI installation documentation.

Using VIPP®-Enabled Printers with LP or LPR

The SAP spool work process uses the lp or lpr commands to transfer spool requests to the host spooler, then prints to a VIPP®-enabled printer. With this configuration, the SAP spool work process and the host spool run on the same server.

1. In the R/3 Spool Administration: Output Device window, select the **Access Method** tab.



2. For the Host Spool Access Method, select **L: Print locally using LP/LPR**.
3. In the Host printer field, type the IP address and the lp command. For example: 13 . 41 . 15 . 31 : lp.

Installing Printers on a UNIX Front-End Device

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

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

- Define the printer IP address on the UNIX server.
- Update the host table with the IP address, then save the host table.
- Create a spool for the printer that you want to access.

The following is an example of this procedure.

1. Open a terminal window.
2. Define the spool: `lpadmin -p printername -s printername:lp`
3. Enable the printer: `lp -d printername hosts`

Access Methods

4. On the Access Method tab:
 - a. For the Host Spool Access Method, select **U: Print Using Berkeley Protocol**.
 - b. For your host printer, in the Destination host field, type the printer IP address. For example, 13.1.408.47.

