

Technical Paper

Creating Media on a Single-Sided DVD in a SAS $^{\tiny 8}$ 9.3 Windows Operating Environment

Table of Contents

Introduction	1
The Process for a Single Site in a Single Order	1
Phase I: Create a SAS Software Depot	2
Phase II: Subset Your Depot	2
Phase III: Edit the New SAS Software Depot	10
Phase IV: Create the Physical Media	1
Using the Windows Explorer tool for unformatted media	12
Using the Windows Explorer tool for previously formatted media	14
Phase V: Install SAS® from the New DVD	16
The Process for Multiple Sites in a Single Order	17
Phase I: Create a SAS Software Depot	17
Phase II: Subset Your Depot	25
Phase III: Edit the New SAS Software Depot	35
Phase IV: Create the Physical Media	36
Using the Windows Explorer tool for unformatted media	37
Using the Windows Explorer tool for previously formatted media	39
Phase V: Install SAS® from the New DVD	40
Troubleshooting	42
Error: "The following command line arguments are not valid: -subsetnonconfig	y"42
Error: "The SAS Deployment Wizard cannot be invoked while the SAS	
Deployment Wizard is running"	42

Introduction

This paper is written for system administrators who want to create a single-sided DVD in a SAS 9.3 Windows operating environment. The following instructions help you reduce the steps that are required to create a working DVD. This is especially useful in an environment such as a university setting, where it is necessary to create media for several users.

Before you begin, determine whether you are going to create a single-sided DVD for a <u>single site</u> or <u>multiple sites</u> within a single order. You can determine whether you have multiple sites in your order by viewing your soi.html file.

The soi.html file is located in the SAS Software Depot\install_doc\###### directory, where ###### is your order number. Here is an example:

C:\SAS Software Depot\install_doc\012345\soi.html

This document includes the following sections:

- The process for a single site in a single order
- The process for multiple sites in a single order
- Troubleshooting

The Process for a Single Site in a Single Order

Important: The instructions in this section apply only to orders that contain the following software products: Base SAS, SAS/ACCESS® products (except SAS/ACCESS® Interface to R3), SAS/AF, SAS/ASSIST, SAS Bridge for Esri, SAS/CONNECT, SAS/EIS, SAS/ETS, SAS/FSP, SAS/FSP, SAS/GRAPH, SAS/IML, SAS/INSIGHT, SAS® Integration Technologies, SAS/LAB, SAS/OR, SAS/QC, SAS/SECURE, SAS/SHARE, SAS/STAT, SAS® Enterprise Guide, and products that are not configured by the SAS® Deployment Wizard (non-planning orders).

Creating a single-sided DVD for an order that contains a single site requires several phases:

- Phase I: Create a SAS software depot
- Phase II: Subset your depot
- Phase III: Edit the new SAS software depot
- Phase IV: Create the physical media
- Phase V: Install SAS from the new DVD

Phase I: Create a SAS Software Depot

There are two ways to create the SAS software depot:

1. **From an electronic download**: The SAS® Download Manager creates the SAS software depot on a local machine (for example, C:\SAS Software Depot).

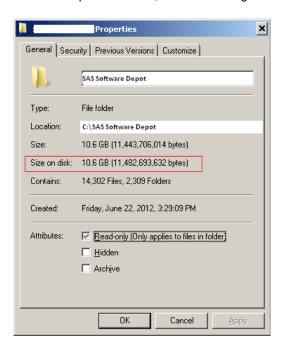
Follow the instructions in your SAS software order e-mail or in the "Creating a SAS Software Depot" section of the SAS® 9.3 Intelligence Platform: Installation and Configuration Guide (support.sas.com/documentation/cdl/en/biig/62611/HTML/default/viewer.htm#p03intellplatform00installgd.htm).

2. **From DVDs**: You create a local depot using the SAS Deployment Wizard.

Follow the instructions in the "Create a Depot by Using the SAS Deployment Wizard" section of the SAS® 9.3 Intelligence Platform: Installation and Configuration Guide (support.sas.com/documentation/cdl/en/biig/62611/HTML/default/viewer.htm#n03005intelplatform00install.htm).

Phase II: Subset Your Depot

The size of the SAS software depot that you created in Phase I is too large to burn on a single-sided DVD. You can verify this by opening Windows Explorer, selecting the x:\SAS Software Depot directory, and right-clicking Properties. The Size on disk field shows the amount of disk space that is being used. In the following example, the size of your SAS software depot is 10.6 GB, which is too large to burn on a single-sided DVD.

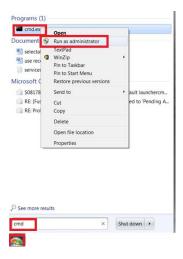


You need to subset your depot, and you do this using the -subsetnonconfig command line.

Note: If you encounter any problems running the -subsetnonconfig command, see the "Troubleshooting" section of this paper.

Open a command prompt window by selecting Start ▶ Run. Type cmd and press Enter.

If you are running Windows 7, select Start ▶ Run and type cmd. On the Programs menu, right-click cmd.exe and select Run as Administrator.



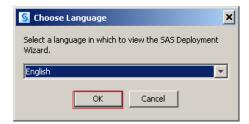
2. Run the SAS software depot installation with the -subsetnonconfig command line.

From the command prompt, enter the following to change directory to the new SAS software depot location and run setup.exe with the -subsetnonconfig command line. (Press Enter after each line.)

```
cd\
cd C:\SAS Software Depot
setup.exe -subsetnonconfig
```

Note that C:\SAS Software Depot is the location of your order, which you downloaded in Phase I (modify the path accordingly).

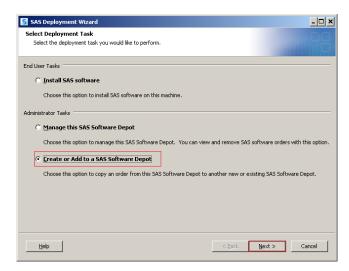
3. Select a language for the SAS Deployment Wizard and click OK.



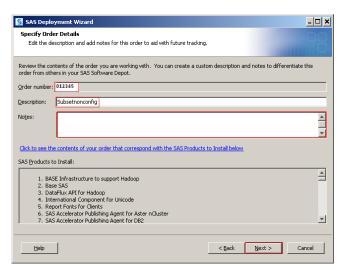
- 4. Create a subset of your depot (that is, a smaller depot).
 - a. Start the SAS Deployment Wizard.



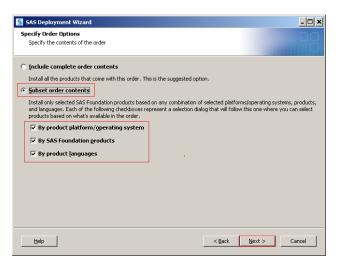
b. Select Create or Add to a SAS Software Depot and click Next.



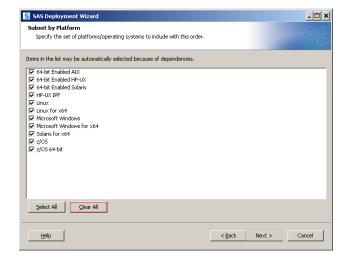
c. You can enter a description and notes, such as subsetnonconfig depot, on the Specify Order Details page. (This is optional but recommended.) Click Next.



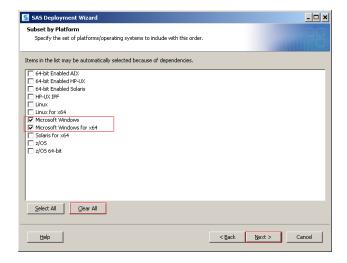
d. Select subset order contents, By product platform/operating system, By SAS Foundation products, and By product languages. Click Next.



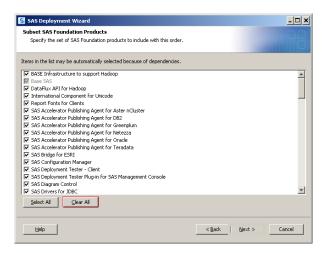
e. On the Subset by Platform page, select Clear All.



Next, select Microsoft Windows for x64 (Microsoft Windows is also selected). Click Next.



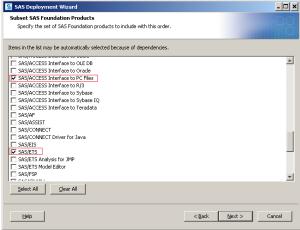
f. On the Subset SAS Foundation Products page, Base SAS is selected by default. First, clear the defaults by selecting Clear All. (Some of the products remain selected by default).

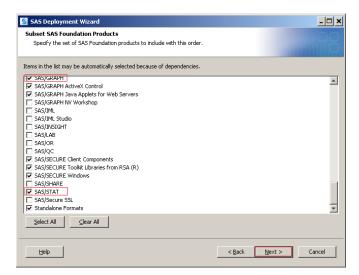


Next, select SAS Enterprise Guide, SAS/ACCESS Interface to PC Files, SAS/ETS, SAS/GRAPH, and SAS/STAT. Click Next.

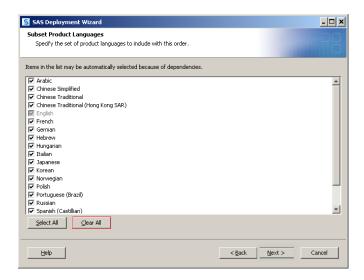
Note that when you select some products, other products are automatically selected due to dependencies.



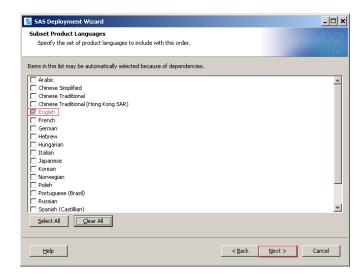




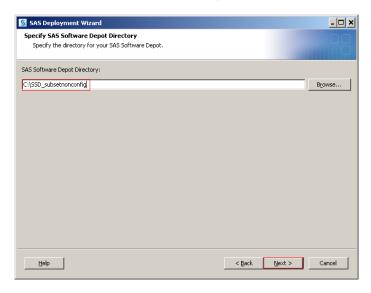
g. On the Subset Product Languages page, select Clear All.



 ${\tt English} \ {\tt remains} \ {\tt selected} \ {\tt by} \ {\tt default}. \ \ {\tt Click} \ {\tt Next}.$



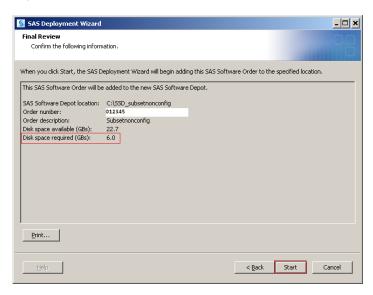
h. Enter the new SAS software depot directory (for example, C:\SSD_subsetnonconfig) and click Next.

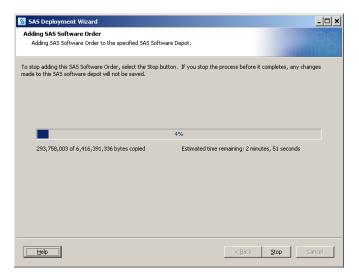


i. If prompted, click Yes to create the new directory.

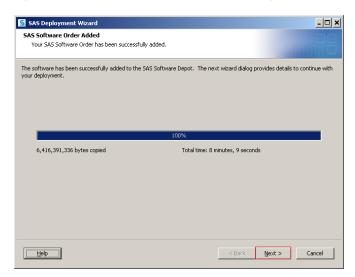


j. Notice on the Final Review page that the disk space that is required for the SAS software depot is 6.0 GB (the original depot size was 10.6 GB). Click Start and let the process run.





k. When your SAS software order has been successfully added, click Next.

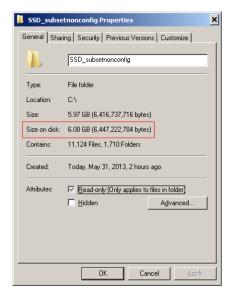


I. Click Finish on the SAS Software Order Added page.



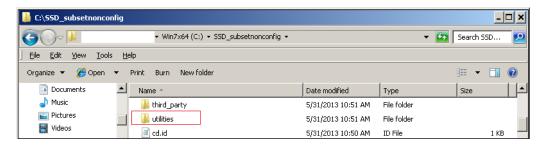
Phase III: Edit the New SAS Software Depot

Open Windows Explorer, select the x:\SAS-software-depot-name directory, and right-click Properties. The Size on disk field shows the amount of disk space that is being used for the smaller SAS software depot that you created in Phase II. (It is 6.0 GB in the example below). However, this size is still too large to burn on a single-sided DVD.

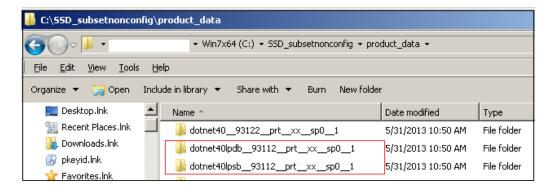


To further reduce the size, start Windows Explorer and delete the following directories:

• the new-depot-location\utilities directory (for example, C:\SSD_subsetnonconfig\utilities)



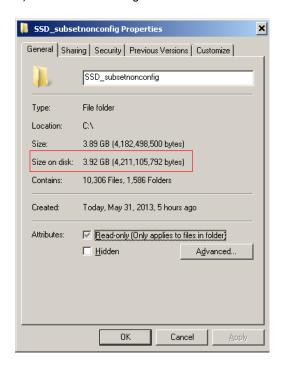
the new-depot-location\product_data\dotnet401p* directories (for example,
 C:\SSD_subsetnonconfig\product_data\dotnet401pdb__93112__prt__xx__sp0__1 and
 C:\SSD_subsetnonconfig\product_data\dotnet401psb__93112__prt__xx__sp0__1)



the new-depot-location\products\dotnet401p* directories (for example,
 C:\SSD_subsetnonconfig\products\dotnet401pdb__93112__prt__xx__sp0__1 and
 C:\SSD_subsetnonconfig\products\dotnet401psb__93112__prt__xx__sp0__1)



Next, open Windows Explorer, select the x:\SAS-software-depot-name directory (for example: C:\SSD_subsetnonconfig), and right-click Properties. Notice that the size of the depot (3.92 GB in the example below) can now fit on a single-sided DVD.



Phase IV: Create the Physical Media

Burn the remaining contents of the *new-depot-location* to a DVD. If you want the SAS Deployment Wizard executable (setup.exe) to be at the root level of the DVD, then exclude the top-level directory.

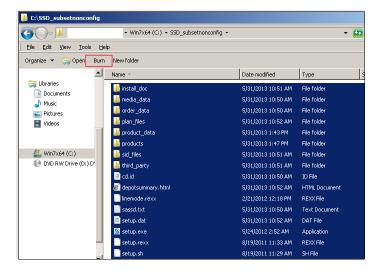
The following instructions use the tools that are available in the Windows 7 operating environment.

There are two processes for creating the physical media using the Windows Explorer tool under Windows 7:

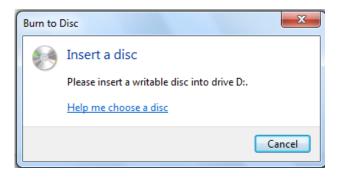
- Your media needs to be formatted.
- Your media is already formatted.

Using the Windows Explorer tool for unformatted media

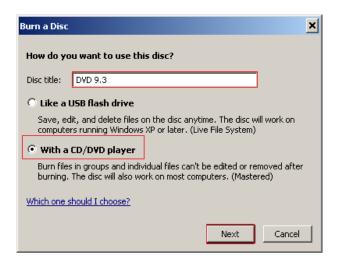
Right-click the Start button, select Windows Explorer, and open the SAS Software Depot directory.
 Next, press Ctrl+A to select all of the files and Ctrl + C to copy all of the files. Click Burn in the upper left corner in Windows Explorer.



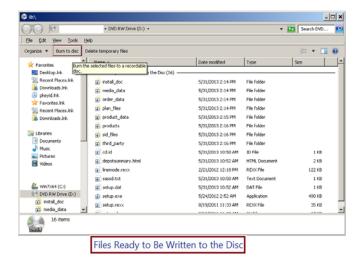
2. You are prompted to insert a disc and the DVD drawer opens on the PC. Insert a blank DVD in the DVD drive.



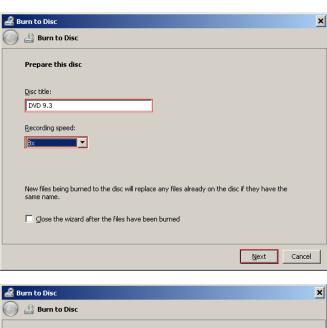
In response to How do you want to use this disc?, enter a disc title, select With a CD/DVD player, and click Next.

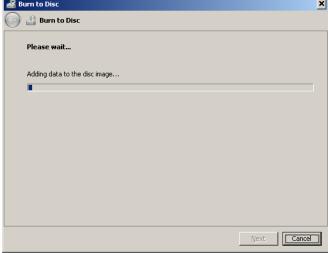


4. Windows Explorer opens and Files Ready to Be Written to Disc is displayed. Click Burn to disc.



5. The following dialog boxes are displayed when the disc needs to be prepared (formatted). Click **Next** and wait for the process to finish.



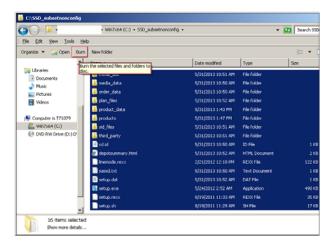


6. Click Finish. The DVD drawer on your PC opens.



Using the Windows Explorer tool for previously formatted media

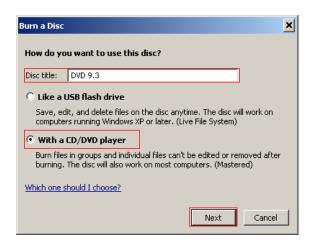
1. Right-click the Start button, select Windows Explorer, and open the SAS Software Depot directory. Then press Ctrl+A to select all the files and Ctrl+C to copy all the files. Click Burn.



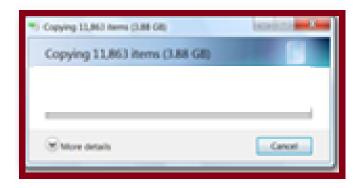
2. Insert the DVD in the DVD drive.



3. Enter the disc title, select With a CD/DVD Player (in most cases, select With a CD/DVD Player so that the files are not overwritten), and click Next.



4. You see the following dialog box during the copy process. Let the copy process complete.



When the disc is finished, the Disk Ready box is displayed.



Phase V: Install SAS® from the New DVD

To install SAS from the new DVD on other machines, perform the following steps:

1. Insert the new DVD in the DVD drive. If you are running the AutoPlay option, the following pop-up window appears:



- 2. If you are not running the AutoPlay option, right-click Start and select Open Windows Explorer.
- 3. Under a Windows 7 system, right-click setup.exe and select Run as Administrator. Under a Windows XP system, double-click setup.exe.
- 4. Complete the installation by following the instructions in the "QuickStart Guide: SAS® 9.3 Installation Kit for Basic Deployments using DVDs: Windows and Windows for x64" (support.sas.com/documentation/installcenter/en/ikqsgbasicmediawin/64911/PDF/default/quickstart_media.pdf).

Note that unless the Administrator copies the updated SAS Installation Data (SID) file from the sid_files folder on the DVD, you might need to obtain that file from the SAS Installation Representative in order to continue the installation.

It is important that the site number in your SID file matches the order that is on the physical media. To verify the site number, go to the soi.html file located in the SAS-Software-Depot or the DVD\install_doc\###### directory, where ####### is the order number (for example, d:\install_doc\012345\soi.html).

Look for the following information:

Tech Support Site Number:

12345678

The license file that you will need to perform the installation must include the site number in the name. Here is an example:

SAS93_012345_12345678_ Win_X64_Wrkstn_Srv.txt

For more details see SAS Note 37499 "The message 'Install failed to initialize for: SAS Foundation' displays when you install SAS 9.2 from a DVD" (support.sas.com/kb/37/499.html).

The Process for Multiple Sites in a Single Order

Important: The instructions in this section apply only to orders that contain the following software products: Base SAS, SAS/ACCESS® products (except SAS/ACCESS® Interface to R3), SAS/AF, SAS/ASSIST, SAS/Bridge for Esri, SAS/CONNECT, SAS/EIS, SAS/ETS, SAS/FSP, SAS/FSP, SAS/GRAPH, SAS/IML, SAS/INSIGHT, SAS® Integration Technologies, SAS/LAB, SAS/OR, SAS/QC, SAS/SECURE, SAS/SHARE, SAS/STAT, products that <u>are not</u> configured by the SAS Deployment Wizard (non-planning orders), and an order that is an Electronic Software Delivery.

Creating a single-sided DVD for an order that contains multiple site numbers requires several phases:

- Phase I: Create a SAS software depot
- Phase II: Subset your depot
- Phase III: Edit the new SAS software depot
- Phase IV: Create the physical media
- Phase V: Install SAS from the new DVD

Phase I: Create a SAS Software Depot

1. From the following link, download and run the SAS Download Manager for the operating system of the machine on which you are working

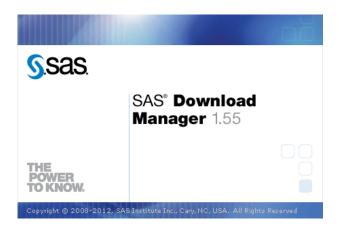
(support.sas.com/demosdownloads/setupcat.jsp;jsessionid=CD0722A5BD1B01EE94966342F983EDB6.tc5j5_external w1?cat=SAS+Download+Manager).

For example, if your system is based on a Windows 7 x64 operating system, you select the filename esdclient__93480__wx6__xx__web__l.exe for Microsoft Windows for x64.

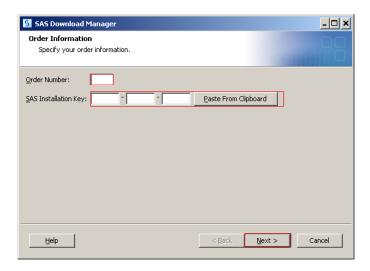
2. On the Choose Language page, select a language for the SAS Download Manager. (The default is English.) Click OK.



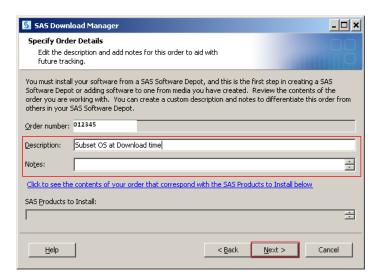
3. The SAS Download Manager 1.55 window is displayed.



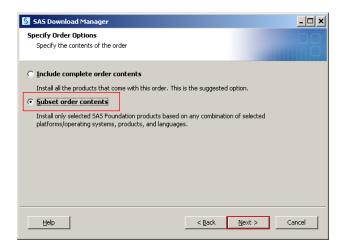
4. On the Order Information page, type your order number and SAS installation key. Click Next.



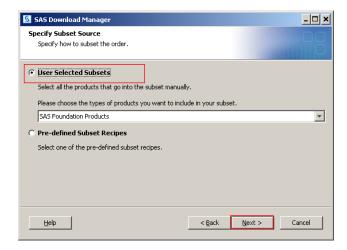
5. On the Specify Order Details page, you can enter a description and notes for the order. (This is optional but recommended.) Click Next.



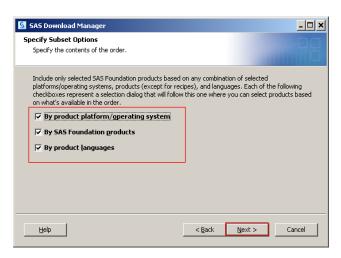
6. On the Specify Order Options page, select Subset order contents and click Next.



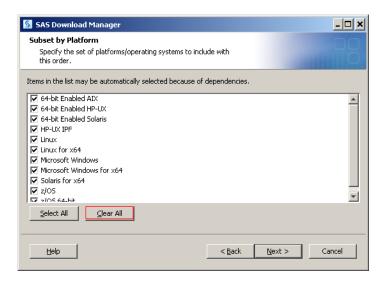
7. On the Specify Subset Source page, select User Selected Subsets and click Next.



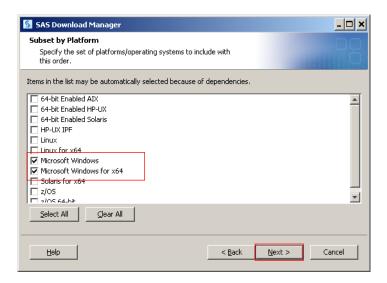
8. On the Specify Subset Options page, select By product platform/operating system, By SAS Foundation products, and By product languages, and click Next.



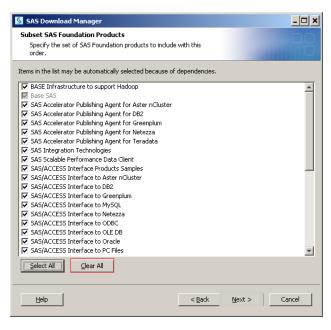
9. On the Subset by Platform page, select Clear All.

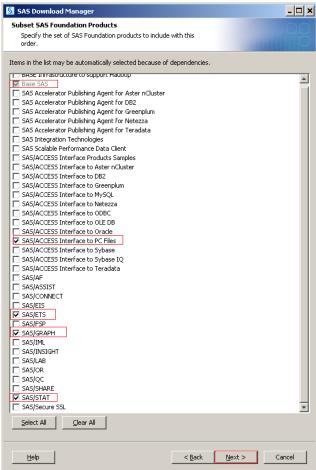


10. On the Subset by Platform page, select Microsoft Windows for x64 (Microsoft Windows is selected by default) and click Next. If this is a 32-bit order, only select Microsoft Windows.

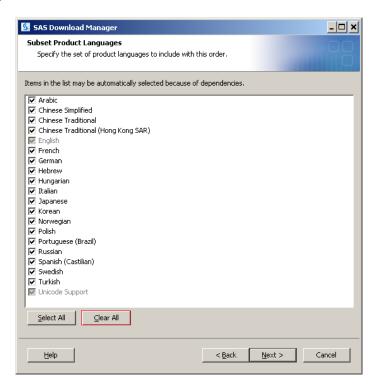


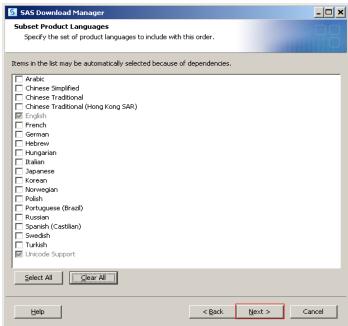
11. On the Subset SAS Foundation Products page, first click Clear All. Then select SAS/ACCESS Interface to PC Files, SAS/ETS, SAS/GRAPH, and SAS/STAT. Note that Base SAS is selected by default. If SAS Enterprise Guide is part of your order, you can also select that product. Click Next.



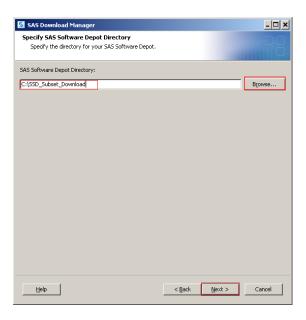


12. On the Subset Product Languages page, select Clear All and click Next. English remains selected by default.





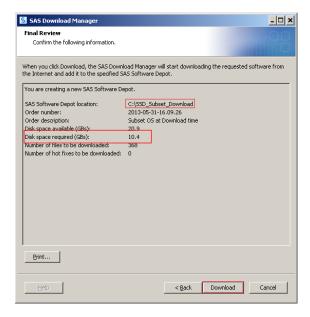
13. On the Specify SAS Software Depot Directory page, click Browse to locate the new SAS software depot directory or enter the new SAS software depot directory and click Next.



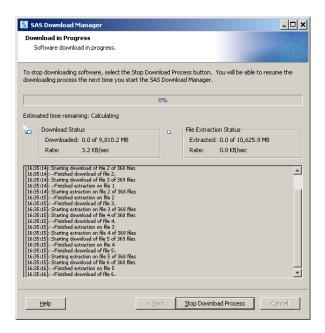
14. If prompted, click Yes to create the new directory.



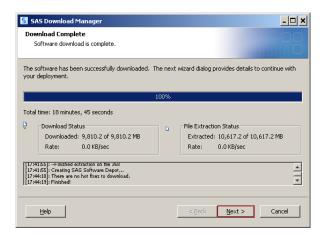
15. Notice the disk space that is required on the Final Review page and click Download.



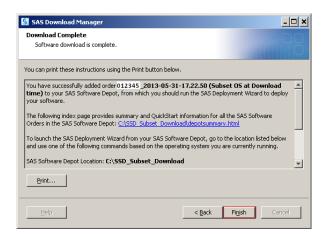
16. The Download in Progress page appears. There is nothing for you to do on this page.

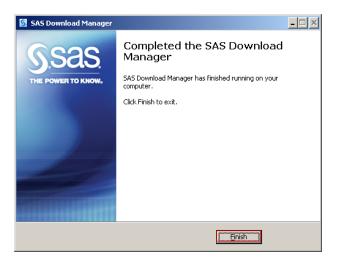


17. On the Download Complete page, click Next.

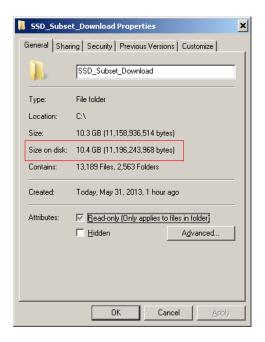


18. Click Finish twice.





Open Windows Explorer, select the x:\SAS-software-depot-name directory, and right-click Properties. The Size on disk field shows the amount of disk space that is being used for the smaller SAS software depot that you created in Phase I. (It is 10.4 GB in the example below.) This size is too large to burn on a single-sided DVD. You have to subset your depot.



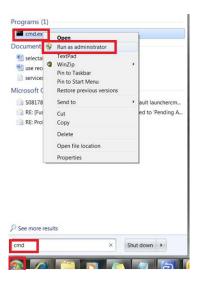
Phase II: Subset Your Depot

Subset your depot using the -subsetnonconfig command line.

Note: If you encounter any problems running the -subsetnonconfig command, see the "Troubleshooting" section of this paper.

1. Select **Start** ▶ **Run**, type **cmd**, and press Enter.

If you are running a Windows 7 system, select Start ▶ Run and type cmd. In the Programs menu, right-click cmd.exe, and select Run as Administrator.



2. At the command prompt, enter the following to change directory to the new SAS software depot location and run setup.exe with the -subsetnonconfig command line. (Press Enter after each line.)

```
cd\
cd C:\SSD_Subset_Download
setup.exe -subsetnonconfig
```

Note that $C:\SSD_Subset_Download$ is the location of your order, which you downloaded in Phase 1 (modify the path accordingly).

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\\sers\saszsr>cd\
C:\\cd SSD_Subset_Download
C:\SSD_Subset_Download>setup.exe -subsetconfig
```

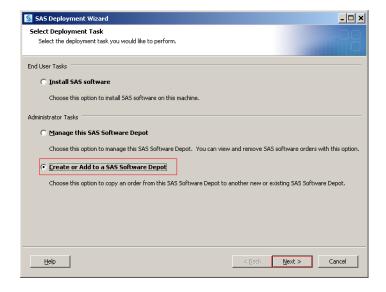
- 3. Create a subset of your depot (that is, a smaller depot).
 - a. Start the SAS Deployment Wizard.



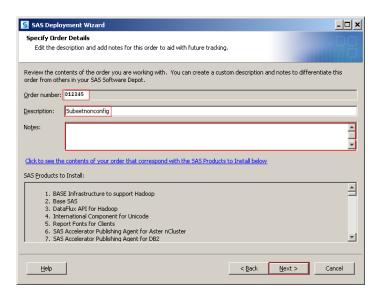
b. Choose a language and click ox.



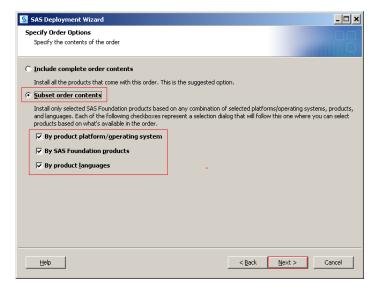
c. On the Select Deployment Task page, select Create or Add to a SAS Software Depot and click Next.



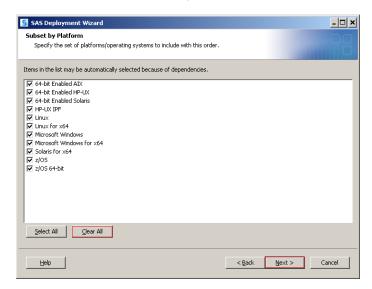
d. You can enter a description and notes on the Specify Order Details page. (This step is optional but recommended.) Click Next.



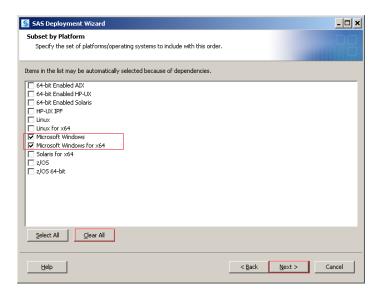
e. On the Specify Order Options page, select Subset order contents, By product platform/operating system, By SAS Foundation products, and By product languages. Click Next.



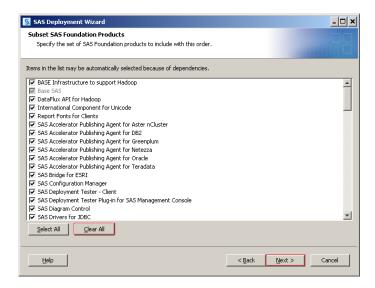
f. On the Subset by Platform page, select Clear All.



Next, select Microsoft Windows for x64 (Microsoft Windows is also selected). Click Next.

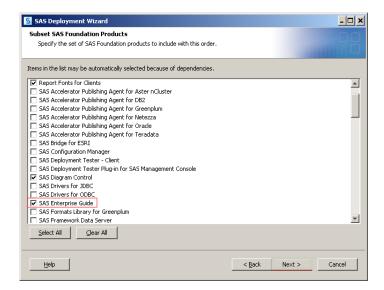


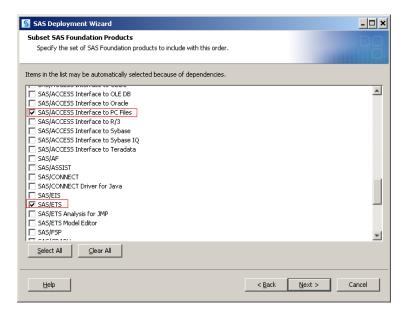
g. On the Subset SAS Foundation Products page, Base SAS is selected by default. First, click Clear All to clear the defaults.

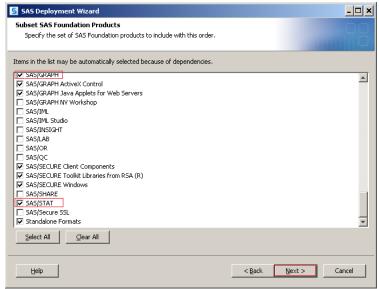


Next, select SAS Enterprise Guide, SAS/ACCESS Interface to PC Files, SAS/ETS, SAS/GRAPH, and SAS/STAT. Click Next.

Note that when you select some products, other products are automatically selected due to dependencies.





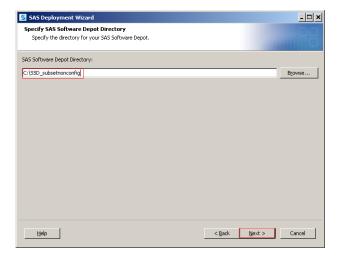


h. On the Subset Product Languages page, select Clear All. English remains selected by default. Click Next.

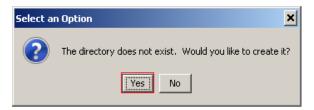




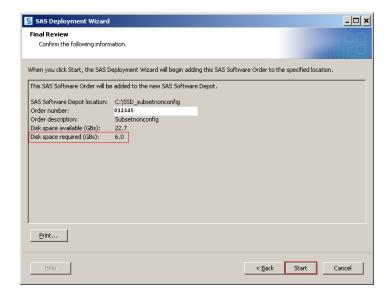
i. Enter the new SAS software depot directory (for example, C:\SSD_subsetnonconfig) and click Next.



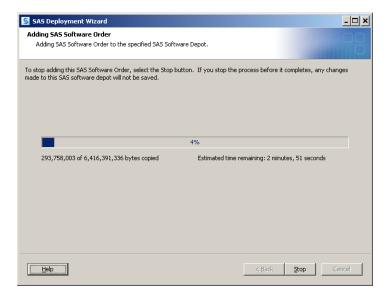
j. If prompted, click Yes to create the new directory.



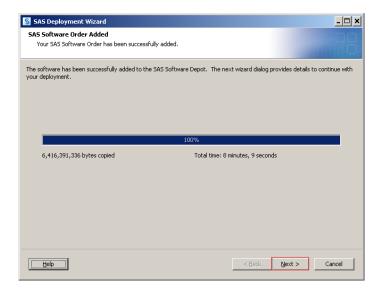
k. Notice the disk space that is required on the Final Review page and click Start.



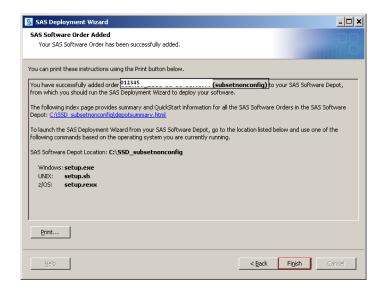
The following page is displayed. Let the process run.



I. On the SAS Software Order Added page, click Next.

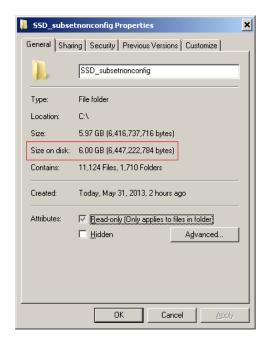


m. Click Finish on the SAS Software Order Added page.



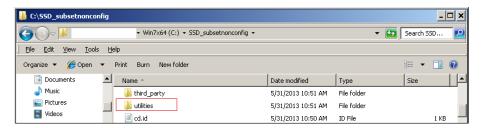
Phase III: Edit the New SAS Software Depot

Open Windows Explorer, select the x:\SAS-software-depot-name directory, and right-click Properties. The Size on disk field shows the amount of disk space that is being used for the smaller SAS software depot that you created in Phase II. (It is 6.0 GB in the example below). However, this size is still too large to burn on a single-sided DVD.

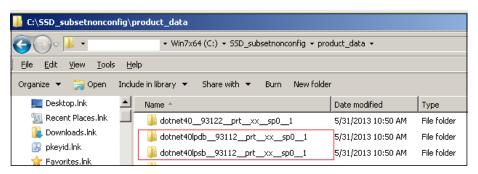


To further reduce the size, start Windows Explorer and delete the following directories:

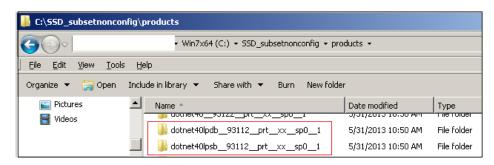
• the new-depot-location\utilities directory (for example, C:\SSD_subsetnonconfig\utilities)



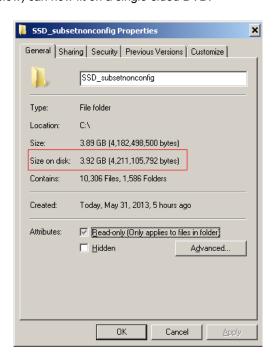
the new-depot-location\product_data\dotnet401p* directories (for example:
 C:\SSD_subsetnonconfig\product_data\dotnet401p*)



 the new-depot-location\products\dotnet40lp* directories (for example, C:\SSD_subsetnonconfig\products\dotnet40lp*)



Next, open Windows Explorer, select the x:\SAS-software-depot-name directory (for example: C:\SSD_subsetnonconfig), and right-click Properties. Notice that the size of the depot (3.92 GB in the example below) can now fit on a single-sided DVD.



Phase IV: Create the Physical Media

Burn the remaining contents of the *new-depot-location* to a DVD. You can exclude the top-level directory if you want the SAS Deployment Wizard executable (setup.exe) to be at the root level of the DVD.

The following instructions are based on using the tools that are available in the Windows 7 operating environment.

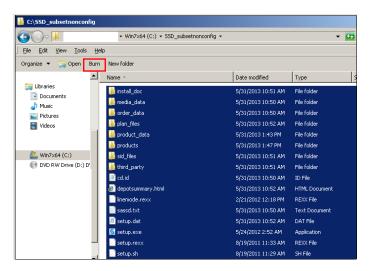
There are two processes for creating the physical media using the Windows Explorer tool under Windows 7:

- Your media needs to be formatted.
- · Your media is already formatted.

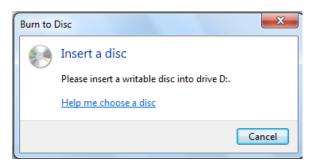
Using the Windows Explorer tool for unformatted media

1. Right-click the Start button, select Windows Explorer, and open the SAS Software Depot directory.

Next, press Ctrl+A to select all of the files and Ctrl+C to copy all of the files. Click Burn in the upper left corner in Windows Explorer.



2. You are prompted to insert a disc and the DVD drawer opens on the PC. Insert a blank DVD in the DVD drive.



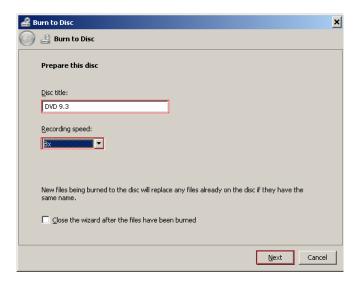
In response to How do you want to use this disc?, enter a disc title, select With a CD/DVD player, and click Next.

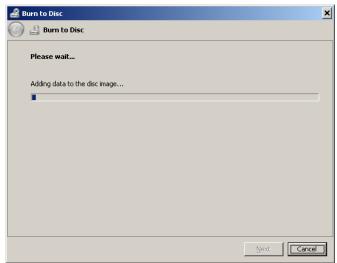


4. Windows Explorer opens and Files Ready to Be Written to Disc is displayed. Click Burn to disc.



5. The following dialog boxes are displayed when the disc needs to be prepared (formatted). Click **Next** and wait for the process to finish.



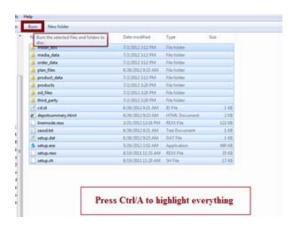


6. Click Finish. The DVD drawer on your PC opens.



Using the Windows Explorer tool for previously formatted media

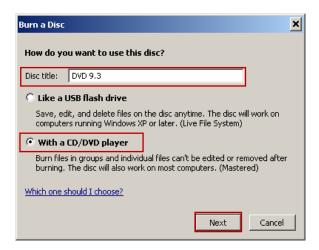
1. Right-click the Start button, select Windows Explorer, and open the SAS Software Depot directory. Then press Ctrl+A to highlight all of the files and Ctrl+C to copy all of the files. Click Burn.



2. Insert the DVD in the DVD drive.



3. Enter the disc title, select With a CD/DVD Player (in most cases, select With a CD/DVD Player so that the files are not overwritten), and click Next.



4. You see the following dialog box during the copy process. Let the copy process complete.



When the disc is finished, the Disk Ready box is displayed.



Phase V: Install SAS® from the New DVD

To install SAS from the new DVD on other machines, perform the following steps:

1. Insert the new DVD in the DVD drive. If you are running the AutoPlay option, the following pop-up window appears:



- 2. If you are not running the AutoPlay option, right-click Start and select Open Windows Explorer.
- 3. Under a Windows 7 system, right-click setup.exe and select Run as Administrator. Under a Windows XP system, double-click setup.exe.
- 4. Complete the installation by following the instructions in the "QuickStart Guide: SAS® 9.3 Installation Kit for Basic Deployments using DVDs: Windows and Windows for x64" (support.sas.com/documentation/installcenter/en/ikqsgbasicmediawin/64911/PDF/default/quickstart_media.pdf).

Troubleshooting

This section provides instructions for resolving errors that you might encounter when you are creating media on a single-sided DVD.

Error: "The following command line arguments are not valid: -subsetnonconfig"

This error occurs when you run the -subsetnonconfig command (for example, x:\SAS Software Depot\setup.exe -subsetnonconfig).

To resolve this error, follow these steps:

- 1. Reboot the PC and rerun the command from the command prompt.
- 2. If you still receive the error, rename the sdwprefs.txt file to sdwprefs.old. This file is located in either of the following directories:
 - $\label{local} \begin{tabular}{ll} C: \Documents and Settings \user ID-that-performed-installation \Local Settings \Application Data \SAS \SASDeployment \Wizard \Local \Local \SASDeployment \Local \Local$
 - $\label{local} C: \scallation \appData \colored installation \appData \colored \col$
- 3. Enter the <code>-subsetnonconfig</code> command instead of cutting and pasting it. Sometimes the hyphen (-) does not translate correctly.
- 4. If the problem still exists, try running these steps from another PC.

Error: "The SAS Deployment Wizard cannot be invoked while the SAS Deployment Wizard is running"

This error occurs when you launch the installation.

To resolve this error, follow these steps:

- 1. Start the Task Manager. Right-click on an empty area on the taskbar and then select **Task Manager**. Alternatively, you can press Ctrl+Shift+Esc and select **Start Task Manager**.
- 2. Click the Processes tab.
- 3. Click Image Name twice to sort the names, select deploywiz.exe, and select End Process.

