

# README

## SAS<sup>®</sup> Download Manager

### Overview

The SAS Download Manager is a Java-based client used to access the SAS software repository in order to download selected SAS orders. It is not used to actually install your SAS software order. The JRE required by the SAS Download Manager is included with the download (except on z/OS). The SAS Download Manager, once fully extracted, requires approximately 16 to 150 MB of space to run.

*Note: Using the SAS Download Manager on some distributions of 64-bit Linux may require installing a compat-libstdc++ RPM. Please refer to your Linux installation materials for details on the availability of the compat-libstdc++ package and package management utilities for the distribution you are using. Use the installation instructions in those materials to install the compat-libstdc++ RPM. If there is no reference to the compat-libstdc++ in those materials, the compat-libstdc++ RPM is not required for the distribution you are using.*

### Downloading the SAS Download Manager

The following table lists the supported Web browsers for the SAS download site. Be sure that you are using the supported Web browser for the host you are downloading to.

Operating System	Supported Web Browser
Microsoft Windows	Firefox 2.0 or later, Internet Explorer 6 with SP2, or Internet Explorer 7
Microsoft Windows for x64	
Microsoft Windows for 64-Bit Itanium-based Systems	Firefox 2.0 or later, Internet Explorer 6 with SP1, or Internet Explorer 7
AIX	Firefox 1.5.0.12 or later
HP-UX	Firefox 2.0.0.4 or later
HP-UX for the Itanium Processor Family	
Linux	Firefox 2.0.0.11 or later
Linux for x64	
Solaris	Firefox 2.0.0.11 or later
Solaris for x64	
OpenVMS on HP Integrity	Secure Web Browser 1.7.11 or later
Macintosh	Safari 2.0.4 (419.3) or later

# Installing the SAS Download Manager on Windows, UNIX, or Macintosh

*Note:* If you are installing your software on a UNIX system, make sure that a windowing environment--such as the Common Desktop Environment or X11--is installed. The SAS Download Manager has a graphical user interface.

1. After you have downloaded the SAS Download Manager, start its installer, using the method that is appropriate for the host you have downloaded to.
  - Windows – If you decided to save the file instead of running it from the download, double-click on `esdclient.exe` to fully expand it in its location (if your Windows operating system is Windows Vista or later, you may have to right-click the `esdclient.exe` and select **Run as administrator**). After it has expanded, the SAS Download Manager will begin installing.
  - UNIX - After `Setup_XX` is downloaded (where XX is the name of the host you are downloading to), set the execute bit using the following command:

```
chmod +x Setup_XX
```

Issue the following command to start installing the SAS Download Manager:

```
./Setup_XX
```

*Note:* If you are installing on HP-UX, Solaris, or Solaris for x64, do not attempt to use the ampersand parameter ("&") in order to invoke the installer in the background.
  - Macintosh - Double-click the `SASDownloadManager` file to unpack the file in its location (if you have your file extensions turned on, the file name will be `SASDownloadManager.app`). After the file is unpacked, the SAS Download Manager will begin installing in that location.
2. After the downloaded files are extracted, the Welcome screen opens. Click **Next** to continue.
3. The next screen allows you to name a directory location for the SAS Download Manager to be installed. Enter a location in the text box or use the **Browse** button to search for a location. SAS recommends that Macintosh users accept the default location. If you are using Windows 7 and not running as an administrator, you should select an installation location that is writable. When the location you wish to install SAS Download Manager is in the text box, click **Next**.
4. The summary screen opens, describing the location you are installing to and the approximate size of the installation. Click **Next** to continue.
5. The progress screen opens, showing the software being installed and the progress. If you need to stop the installation process for some reason, click **Cancel**. Otherwise the installation program will continue to the next screen.
6. When the SAS Download Manager is installed, two screens open: one describing a successful installation and a second that is the **Choose Language** screen for using the SAS Download Manager. Click **Finish** to close the success screen. If you intend to download a software order, follow the steps in the next section. Otherwise, click **Cancel** to close the **Choose Language** dialog.

## Installing SAS Download Manager on z/OS

The z/OS user can use the SAS Download Manager to create a SAS Software Depot. The install of SAS software on a system requires access to a depot either on a local file system or on a network accessible file system via an NFS mount. If the depot is created in a network accessible location, then other

machines, including z/OS, can run their respective deployments directly from it. Likewise, if the depot has been created by another machine (such as Windows or UNIX) in a network location that is accessible by z/OS, then there is no need to run the SAS Download Manager directly on z/OS. If the z/OS machine does not have access to a network file system, then the SAS Download Manager can be run on z/OS.

If you choose to use the SAS Download Manager running on z/OS to create a SAS Software Depot, be aware that typical downloads require more CPU time than most z/OS systems are configured to allow in a default UNIX System Services segment. SAS recommends that the SAS Download Manager be run from the OMVS shell since TSO (where the OMVS shell runs) is more flexible to configure for CPU and wait time. If the download manager does experience an S322 or S522, you may easily restart it to continue the download. To increase the amount of CPU time available to the download process, set the CPUTIMEMAX in the userid's OMVS segment to at least 1500. In addition, this userid will need a setting of at least 800M in the ASSIZEMAX parameter in the OMVS segment. You must have Java installed on the system where the SAS Download Manager is run, and you must have an X11 display server available to display the dialogs.

You must have Java installed on the system where the SAS Download Manager is run. Also, you must have an X11 display server available to display the dialogs.

Use the following steps to put your z/OS executable in place:

1. Use a Web browser on Windows or UNIX to download the z/OS version of the SAS Download Manager (`esdclient.zos`) from SAS.
2. If the download location is not NFS mounted to the z/OS system, transfer the downloaded file to the UNIX file system on z/OS via binary FTP.

## Installing SAS Download Manager on OpenVMS on HP Integrity

If you are installing the SAS Download Manager to an OpenVMS on HP Integrity machine, you must be logged into it with bypass privilege. That machine must have DecWindows Motif 1.6 on it, which is required for use of the interactive SAS windowing environment. You should save your download to a writable directory. Finally, `sys$scratch` must reside on an ODS-5 volume.

When the download is complete, unzip the downloaded package using the command

```
run esdclient.exe
```

*Note:* If you plan to download a newer version of the SAS Download Manager to an OpenVMS for HP Integrity machine where you have an existing SAS Download Manager installed, create a new directory and download and extract the newer `esdclient.exe` file to the new directory.

## Using the SAS Download Manager

Before using the SAS Download Manager to download your full SAS software order, ensure that you have your Order Number and SAS Installation Key at hand, since the SAS Download Manager requires them. The Order Number and SAS Installation Key are included on your Software Order Email. Once you are ready, use the following process to download your SAS software order.

1. Start the SAS Download Manager. The directory locations provided below are the default installation locations. If you installed SAS Download Manager in a location other than the

one recommended by the installation program, use that location instead of the default location.

- Windows – If the SAS Download Manager is not already running, start the SAS Download Manager by using the **Start** menu: **Start→Programs→SAS→SAS Download Manager 1.4**. Alternatively, you can double-click `esdclient.exe` at `C:\Program Files\SAS\SASDownloadManager\1.4` (if your Windows operating system is Windows Vista or later, you may have to right-click the `esdclient.exe` and select **Run as administrator**).
  - UNIX – If the SAS Download Manager is not already running, execute `esdclient.sh` at `/usr/local/SAS/SASDownloadManager/1.4`.
  - Macintosh – If the SAS Download Manager is not already running, double-click `esdclient` at `/Applications/SAS/SASDownloadManager/1.4`. If you have your file extensions turned on, the file name will be `esdclient.app`.
  - OpenVMS on HP Integrity – If you are not already at the directory you unzipped the package into, navigate to it using the commandset `def [.esdclient]`. When you are at the appropriate directory, start the SAS Download Manager by entering `run esdclient` on the command line.
  - z/OS – Under the z/OS UNIX shell, `cd` to the directory where `esdclient.zos` has been downloaded and set the execute bits on using `chmod +x esdclient.zos`. Then issue the command `./esdclient.zos` to execute the SAS Download Manager.
2. At the **Choose Language** dialog, select the language in which you would like to run the SAS Download Manager. Select **OK**.
  3. If the SAS Download Manager is unable to automatically detect your proxy settings, you will be prompted for your proxy information. If you do not know your proxy settings, contact your system administrator to obtain your HTTP proxy server, port number, and login information.
  4. The **Order Information** dialog opens. Enter the Order Number and SAS Installation Key into the appropriate fields. Select **Next** to continue.

*Note: It is very important that you locate your original software order e-mail for the correct order and SAS installation key to download the software. You \*cannot\* use a renewal order number. The renewal order is a license update and it cannot be used to download software. If you cannot locate your original software order e-mail, contact your SAS Installation Representative or SAS Contracts at the following URLs:*

<http://support.sas.com/adminservices/contact.html>  
<http://support.sas.com/adminservices/sasrep.html>  
<http://support.sas.com/techsup/license>
  5. The **Specify Order Details** dialog opens with the **Order Number** and **SAS Products to Install** boxes populated from the SAS database. Review the products in your order. If the product list is not what you expect, ensure that you have the correct Order Number. Select **Back** to enter a different Order Number.

If the product list is correct, you can enter a name for the order in the **Order Description** box. The **Order Description** box will help you to differentiate between multiple orders.

When you are satisfied with the contents of this dialog, select **Next**.

6. The **Specify SAS Software Depot Directory** dialog opens. Enter the location you would like your SAS software order downloaded to in the text box. Your software order will be delivered as a SAS Software Depot. You can use the **Browse** button to search through your system for a place to put your software order. Once you have entered the location for your software order, select **Download**.

*Note:* If you have already created a 9.2 SAS Software Depot, SAS strongly recommends using the same location for all subsequent SAS 9.2 downloads.

As the SAS Download Manager retrieves your software order, the progress bar will show how much remains to be downloaded. Note that the SAS Download Manager retrieves a compressed file and extracts it as part of the download process.

7. When the SAS Download Manager has downloaded and extracted your SAS software order, the **Download Complete** dialog opens. Select **Finish** to close the application.
8. If you are not installing on z/OS, you should use the *QuickStart Guide* that describes how to install the software you have retrieved. If a *QuickStart Guide* is available, you can find it at the following location: <download location>\SAS Software Depot\depotsummary.html, where <download location> is the directory location you download your files to (the default is C:\SAS Software Depot\depotsummary.html). Open the depotsummary.html and click the **View QuickStart Guide** link. If you have multiple software orders in your SAS Software Depot, be sure to consult the *QuickStart Guide* that is associated with the order you are working with by comparing the software order numbers. Follow the procedures described in the *QuickStart Guide* that opens to install your SAS software.

If you are installing on z/OS or a *QuickStart Guide* is not available at the location described above, then the instructions that you need to install your software are documented in the Software Order E-mail that you received.

## Uninstalling the SAS Download Manager on Windows or UNIX

For all Windows and UNIX operating systems, you should uninstall the SAS Download Manager by running the uninstall executable. This executable is available under the folder where the software was originally installed in an \_uninstESDsubdirectory. UNIX users must run the uninstall from one level above the root installation directory.

Examples:

(Windows) C:\Program Files\SAS\SASDownloadManager\1.2\\_uninstESD\UninstESD.exe

(Solaris) /usr/local/SAS/SASDownloadManager/1.2/UninstESD (run the uninstall from /usr/local/SAS to remove the directories)

## Uninstalling the SAS Download Manager on Macintosh

Use the following steps to uninstall the SAS Download Manager from a Macintosh machine:

1. From a terminal window, navigate to the user directory of the ID used to install the SAS Download Manager. Remove the following directories:

- .SASAppData
- InstallShield
- SAS\*

2. From either a terminal window or the “Finder” utility, remove the target directory you chose at install time. Most typically, users will have deposited JMP or SAS in the Applications folder.

## **Uninstalling the SAS Download Manager on OpenVMS on HP Integrity**

In order to uninstall the SAS Download Manager on OpenVMS on HP Integrity, simply remove the directory tree where the SAS Deployment Wizard is located.

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