# SAS/GRAPH® Java Applets 9.3

## Prerequisites

| Platform | Installation Space Required |
|---|---|
| Microsoft Windows | 178 MB |
| Microsoft Windows for x64 | 178 MB |
| AIX | 226 MB |
| HP-UX | 201 MB |
| HP-UX for the Itanium Processor Family Architecture | 259 MB |
| Linux for Intel Architecture | 165 MB |
| Linux for x64 | 165 MB |
| Solaris | 187 MB |
| Solaris for x64 | 181 MB |

For the latest information about required JREs, please see the Third Party Software Reference Web site at http://support.sas.com/resources/thirdpartysupport/index.html.

## Installing SAS/GRAPH Java Applets 9.3

Before performing the following steps, Windows users should ensure they are logged in as an administrator. UNIX users should ensure they are logged in with an installer ID that is not root..

1.  Unpack the download package to a location that is accessible from where you want to install the software.  Do not put the download package in an existing SAS Software Depot or in the directory where you want to install.  Doing so will cause the SAS Software Depot and SAS Deployment Wizard to work incorrectly. You must put the download package in its own directory/folder.

2.  To start the SAS Deployment Wizard, Windows users should double-click the setup.exe at the location the files have been unpacked in (if your Windows operating system is Windows Vista or later, you may have to right-click the setup.exe and select **Run as administrator**). UNIX users should execute setup.sh.

3.  The **Choose Language** page opens. Choose the language in which you want to perform the installation of your downloaded software. Click **OK**. Note that Windows users who have already installed SAS software using the SAS Deployment Wizard will not see this page.

4.  The **Specify SAS Home** dialog opens. Enter the location you want to install your software in the text field, or use the **Browse** button to search for a location. When the correct location is in the text field, click **Next** to continue. Note that Windows users who have already installed SAS software using the SAS Deployment Wizard will not see this dialog.

5.  The **Select Products to Install** dialog opens. Ensure the checkbox beside every product in the list is checked. If you click the **Info** icon, you will be directed to documentation about the software you have downloaded. The pertinent parts of that documentation are repeated in the "Prerequisites" section above.

    When each checkbox has been checked, click **Next** to continue.

6.  The **Select Regional Settings** page opens. Select the locale you wish to install your software for, then click **Next** to continue. Note that if you have already installed SAS software in the SAS Home that you selected above, the SAS Deployment Wizard will use the same regional settings selection for this installation, and you will not see this page.

7.  The **Select Java Runtime Environment** page opens. Choose to either install the recommended Java Runtime Environment and enter an install location, or select an existing Java Runtime Environment that will be used for the SAS software install.  After making your selection, click **Next** to continue. Note that Windows users who have already installed SAS software using the SAS Deployment Wizard will not see this page.

8.  The **Specify SAS/GRAPH Java Applets Deployment Directory** dialog opens.  Enter the location where you want to install the SAS/GRAPH Java Applets and click **Next**.

9.  The **Checking System** page opens while the SAS Deployment Wizard checks for enough disk space and for locked files. If any files are listed in this window, follow the instructions on the page. If there are no files listed, or after any that were listed have been addressed, click **Next** to continue.

10. The **Deployment Summary** dialog opens. Click **Start** to begin the installation.

11. The **Deployment in Progress** dialog opens, indicating that the installation is taking place. When the installation is complete, click **Next**.

12. The **Additional Resources** dialog opens, listing a number of online resources should you run into difficulty. Use **Print** to make a copy of this information for future use. Click **Finish** to close the SAS Deployment Wizard.

# Configuring SAS/GRAPH Java Applets 9.3

## *Specifying the Location of the Java Applets*

By default, the location of the SAS Java archive files is specified by the APPLETLOC= system option. This value is the default value of the JAVA_CODEBASE= Java parameter in the html file. If the APPLETLOC location is accessible by users who will be viewing your Web presentation, and the SAS Java archive is installed at that location, then you do not need to change the value of JAVA_CODEBASE=. The JAVA_CODEBASE= parameter is set in SAS jobs by the CODEBASE= option as described below.

## *Specifying CODEBASE= and ARCHIVE= Options*

To access the applet files in a location other than the default location or to publish Output Delivery System (ODS) output containing SAS/GRAPH applets on a Web server, you must specify the location of the .jar files when you generate your HTML pages. The CODEBASE= option specifies the directory where the .jar files are located. The ARCHIVE= option specifies the name of the .jar file.

### Applets Generated With ODS

For applets that are generated with ODS, specify the CODEBASE= option on the ODS statement. The CODEBASE location may be specified as a path name or as a URL. For example, if your .jar file is in `/sasweb/graph`) you would specify

```
ods html file="/path/to/mygraph.html"
codebase="/sasweb/graph";
```

For applets generated through ODS, you do not need to specify the ARCHIVE= option on the ODS statement unless you have renamed the .jar files.

### Applets Generated With Macros

For applets generated with macros, specify the CODEBASE= argument for the macro. For example:

```
%ds2const(codebase=http://your_path_to_archive,
htmlfile=your_path_and_filename.htm
...
);
```

For the DS2TREE and DS2CONST macros, you do not need to specify the ARCHIVE= argument unless you have renamed the .jar files.

### Specifying the CODEBASE= URL

If the value you specify for CODEBASE= is a URL, it can be a full URL (for example, `http://your_server/sasweb/graph`), or it can be relative to your Web server (`/sasweb/graph`). If you are publishing HTML only on Web servers where the applets are installed in a common location, it is generally recommended that you use the shorter, relative URL. This will allow the HTML to be moved to any Web server without modifying the HTML (assuming the applets are installed on that server). If you are creating HTML to be viewed directly via a file: URL, sent by e-mail or copied to Web servers without the applets installed, you should use a full URL to point to the applet jar files at a known location.

# Uninstalling SAS/GRAPH Java Applets 9.3

One of the tasks included on the SAS Deployment Manager is the removal of SAS software. Before using the following steps to remove SAS software from your system, ensure that you are logged on with the same user ID that was used to install the software.

1. To locate the SAS Deployment Manager, go to the `\SASDeploymentManager\9.3` folder in your SAS Home.

2. To start the SAS Deployment Manager, Windows users should double-click `sasdm.exe` (if your Windows operating system is Windows Vista or later, you may have to right-click the `sasdm.exe` and select **Run as administrator**). UNIX users should execute `sasdm.sh`.

3. The **Choose Language** page opens. Choose the language in which you want to perform the removal of your downloaded software. Click **OK**.

4. The **Select SAS Deployment Manager Task** page opens. Under Administration Tasks, ensure **Uninstall SAS Software** is selected. Click **Next** to continue.

5. The **Select SAS Products to Uninstall** page opens. Ensure that SAS/GRAPH Java Applets 9.3 is selected. Click **Next** to continue.

6. The **Checking System** page opens. The SAS Deployment Wizard ensures that no file being removed is being used by your system. If any files are listed in this window, follow the instructions on the page. If there are no files listed, or after any that were listed have been addressed, click **Next** to continue.

7. The **Summary** page opens, describing what products are about to be removed. Click **Start** to begin the removal of your SAS software.

8. The **Deployment in Progress** page opens, indicating that the removal is taking place. When the SAS Deployment Manager is finished, the **Deployment Complete** page opens, listing what has been removed. Click **Finish** to exit the SAS Deployment Manager.

19 July 2011