

# README

## SAS/GRAPH<sup>®</sup> Java Applets 9.21

### Prerequisites

Platform	Installation Space Required
Microsoft Windows	168 MB
Microsoft Windows for 64-Bit Itanium-based Systems	142 MB
Microsoft Windows for x64	168 MB
Solaris	174 MB
AIX	174 MB
HP-UX	174 MB
HP-UX for the Itanium Processor Family Architecture	174 MB
Linux for Intel Architecture	174 MB
Linux for x64	174 MB
Solaris for x64	174 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 9.2

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. UNIX users should execute `setup.sh`.
3. The **Choose Language** dialog opens. Choose the language in which you want to perform the installation of your downloaded software. Click **OK**.

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 Java Runtime Environment** dialog opens. Choose to either use or install the recommended Java Runtime Environment, or select an existing Java Runtime Environment that will be used for the SAS software install. After making your selection, click **Next** to continue.
7. 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**.
8. The **Deployment Summary** dialog opens. Click **Start** to begin the installation.
9. The **Deployment in Progress** dialog opens, indicating that the installation is taking place. When the installation is complete, click **Next**.
10. 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 9.2

### *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.

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