

# Software License Renewal Instructions

## SAS<sup>®</sup> 9.3 for z/OS<sup>®</sup>

In order to run each software product that you license from SAS, you must apply the SETINIT information, which contains current data about your licensing agreement with SAS. The SETINIT information is stored in the SASHELP library of the SAS system. SAS software will not run without up-to-date SETINIT information. You must update your SETINIT information whenever you renew your license, add new products, or change the hardware for the system.

Requests for changes to your license parameters are accepted by our Customer Service Department by phone or in writing on your company's official stationery. Such requests include changes to the expiration date for your SAS software as well as updates of the serial number or CPU model specification when you change your hardware.

*Note: Only the authorized SAS Installation Representative should change the SETINIT information. Your site designated the SAS Installation Representative when you licensed the SAS system.*

### If You Received Multiple z/OS SID Files

Installations that include a metadata server in SAS 9.3 will have a separate SID file for the 64-bit metadata server. You must ensure that you apply the correct SID to the correct files. The SID file for your metadata server can be identified by the value of "z64" for Platform\_short near the top of the SID file:

```
[_SID_]
Version=9.3
Revision=9.3
Platform_long=z/OS
Platform_short=z64
```

And the following lines near the end indicating that it is for the metadata server:

```
z/OS
SAS Metadata Server          30SEP2011
SAS/SECURE 168-bit          30SEP2011
$_Stream=----- END -----
```

Be sure to apply this SID file to your 64-bit installation, and the SID file that starts like this:

```
[_SID_]
Version=9.3
Revision=9.3
Platform_long=z/OS
Platform_short=mvs
```

to your 31-bit SID files.

## Processing Renewal of the SAS System

Each SAS software product you install contains a file with a list of SAS statements used to invoke the SETINIT procedure. The information supplied with the SAS installation data file (SID file) reflects your current license agreement with SAS, and contains code to update the SETINIT information for each licensed product.

**Important:** *Update access to the SASHELP library is required to update your SETINIT information. Be sure to stop all SAS Servers and SAS Spawners before renewing your software. If you are applying a new SETINIT for both 64-bit and 31-bit installations, the 64-bit SETINIT needs to be applied first.*

There are two methods which may be used to process your renewal. The first method is new, easier to use, and the preferred method. The second method (the only one available previously), although more difficult, is included for your use if desired.

**Note:** *Using either method described below, you should also add renewal SIDs to the sid\_files directory, rather than replacing the SID that was delivered with the original order.*

### Method 1 (Preferred)

1. Save the SID file that was included with the Software Order E-mail to a location on your PC.
2. Upload the SID file into the `&prefix.CNTL.RENEW($SID)` member. This upload should **not** be a binary upload.

**Note:** *&prefix is the high-level qualifier for your SAS installation.*

3. Run the job contained in the `&prefix.CNTL.RENEW(SIDJOBX)` member.

The SIDJOBX will parse the contents of the \$SID member and then submit another job to the internal reader to apply the SETINIT.

4. Check the SAS LOG for the message "siteinfo data have been updated" to confirm the SETINIT procedure executed successfully.

**Important:** *Restart all SAS Servers and SAS Spawners after renewing your software. In order to use any newly licensed products included in a new SID file and for new expiration dates to take effect, you must restart all SAS Servers and SAS Spawners after applying the new SETINIT.*

### Method 2

This procedure involves using both a PC (running a terminal emulator which has access your mainframe system) and your mainframe system. Follow these steps to renew your SAS software license:

1. Save the attached file (`sas93_XXXXXX.txt`) to the PC from which you will invoke your terminal emulator to connect to the mainframe.
2. Edit the renewal SID file (`sas93_XXXXXX.txt`) that you saved in Step 1. Copy the lines starting with "**PROC SETINIT RELEASE='9.3';**" through "**SAVE; RUN;**".

3. Use the terminal emulator on your PC to log on to your mainframe system where SAS is running. Replace the content of the RENEWPRM member of the &prefix.CNTL.RENEW data set with the information you copied in Step 2.

*Note:* &prefix is the high-level qualifier for your SAS installation.

4. Submit the **RENEW** job from the &prefix.CNTL.RENEW data set.
5. Check the SAS LOG for the message that "Siteinfo data have been updated" to confirm the SETINIT procedure executed successfully.

**Important:** *Restart all SAS Servers and SAS Spawners after renewing your software. In order to use any newly licensed products included in a new SID file and for new expiration dates to take effect, you must restart all SAS Servers and SAS Spawners after applying the new SETINIT.*

## SETINIT Troubleshooting

The following is a list of common error messages and solutions that may occur when attempting to update your SETINIT information. If you continue to receive errors after attempting troubleshooting, contact the Technical Support department at SAS.

### ❑ ERROR:

```
ERROR: INCORRECT INFORMATION WAS ENTERED FOR PROC SETINIT. ALL  
INFORMATION MUST BE ENTERED EXACTLY AS IT APPEARS ON THE PROC SETINIT  
DATA RECEIVED FROM SAS INSTITUTE.
```

*Or*

```
ERROR: INCORRECT INFORMATION WAS ENTERED FOR THE PASSWORD XXXXXXXX
```

### SOLUTION:

The SETINIT information in the RENEWPRM member of the CNTLDSN must be entered *exactly* as it appears in the SID file which was attached to your Software Order E-mail. If any text of the SETINIT procedure is not the same, the above error occurs when you attempt to execute the RENEW job.

❑ **ERROR:**

THE SAS SYSTEM IS EXECUTING ON A PROCESSOR (CPU) WHOSE MODEL NAME, MODEL NUMBER, AND SERIAL NUMBER ARE NOT INCLUDED IN THE SETINIT DATA USED TO INITIALIZE THE SAS SYSTEM LIBRARY IN USE. THIS IS PERMITTED IF THIS PROCESSOR IS A DESIGNATED BACKUP PROCESSOR FOR A LICENSED CPU. FOR THIS SITE, THE SAS SYSTEM IS LICENSED FOR THE FOLLOWING CPU SERIAL NUMBERS:

MODEL IBM xxxx-xxxx SERIAL NUMBER YYYYYY

**SOLUTION:**

When the SETINIT procedure is executed on a processor that is not included in the SETINIT information, the above error message is issued. Be sure that the SAS system is running on the processor indicated in the SETINIT information. If the model name, number, or serial number of your mainframe system is different than the one listed in the SETINIT, contact your SAS Customer Service Representative for an updated SETINIT.

❑ **ERROR:**

THE SITE VALIDATION DATA CANNOT BE UPDATED. THIS IS MOST LIKELY DUE TO THE FACT THAT THE SASHELP CATALOG IS NOT AVAILABLE IN WRITE MODE, AND/OR THAT THE SETINIT OPTION HAS NOT BEEN SPECIFIED WHEN USING THE SAS COMMAND.

**SOLUTION:**

The above error indicates that UPDATE access to the SASHELP library was denied. This is most likely due to not specifying the SETINIT option when using DISP=SHR, not having a DISP=OLD, or not having the appropriate access authority (UPDATE required) to the SASHELP library. Make sure the necessary changes were made to the RENEW job and resubmit the job.

### ***For More Information***

If you have questions about your SID file, please call our Customer Service Department at (919) 677-8003 between 9:00 a.m. and 8:00 p.m. Eastern Time, SAS business days. Please have your site number ready when you call.

If you encounter problems applying your SETINIT, please call our Technical Support Division at (919) 677-8008 between 9:00 a.m. and 8:00 p.m. Eastern Time, SAS business days. Ask the Technical Support receptionist for a z/OS consultant. Please have your site number ready when you call.

## Requesting a Temporary License Extension

For emergency situations, you can download a temporary SID file that will extend the use of your licensed SAS software products for six days. Please visit the SAS Install Center, <http://support.sas.com/documentation/installcenter/index.html>. Under *SITE AND ACCOUNT DATA* on the right side of the page, select **Request a Temporary License Extension**. You may also select **Resend the SAS Installation Data**.

For security purposes, you will be required to enter a password, and the process for creating a password may also be started from the same Web page.

*SAS and all other SAS Institute product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. Other brand and product names are registered trademarks or trademarks of their respective companies.*

*® indicates USA registration.*

*Copyright © 2013 SAS Institute Inc., Cary, NC, USA. All rights reserved.*