

Software License Renewal Instructions

SAS® 9.3 for z/OS®

SAS software is licensed on a periodic basis. You will receive new license information whenever you renew your existing SAS System license or add offerings to your license. The license information you receive is in the form of the SAS installation data file (SID file).

You must apply a valid SID file to the SAS system before your licensed software will run. The setinit information, which contains current data about your licensing agreement with SAS 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 offerings, or change the hardware for the system.

For changes to your license parameters, create a case at the Customer Service Portal:
<https://service.sas.com/csm>

Such parameters include the expiration date for your SAS software and 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 SAS 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 SAS 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 SAS 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. Apply 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 offering that you install contains a file with a list of SAS statements used to invoke the SETINIT procedure. The information supplied with the SID file reflects your current license agreement with SAS and contains code to update the setinit information for each licensed offering.

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.*

Select between two methods that can be used to process your renewal. The first method that is described here is the preferred method. The second method is older and more difficult, but it is described for your use if desired.

Note: *Using either method described below, you should also add renewal SIDs to the `sid_files` directory. Do not replace the SID that was delivered with the original order.*

Method 1 (Preferred)

1. Save the SID file that was included with the Software Order Email to a location on your client machine.
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 that the SETINIT procedure executed successfully.

Important: *Restart all SAS Servers and SAS Spawners after renewing your software. In order to use any newly licensed offerings 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 client machine (running a terminal emulator with access to 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 that the SETINIT procedure executed successfully.

Important: *Restart all SAS Servers and SAS Spawners after renewing your software. In order to use any newly licensed offerings included in a new SID file, and in order 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, create a case at the Customer Service Portal: <https://service.sas.com/csm>

❑ 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 that was attached to your Software Order Email. 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. Verify 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, create a case at the Customer Service Portal (<https://service.sas.com/csm>) to request 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.

Contact SAS Technical Support

Technical support is available to all customers who license SAS software. However, you are encouraged to engage your designated on-site SAS support personnel as your first support contact. If your on-site SAS support personnel cannot resolve your issue, they can [open a case with SAS Technical Support](#) to report your problem.

Before you contact SAS Technical Support, explore the SAS Support website at support.sas.com/techsup/. This site offers access to the SAS Knowledge Base, SAS communities, and other materials that might answer your questions.

When you contact SAS Technical Support, you are required to provide information, such as your SAS site number, company name, email address, and phone number, that identifies you as a licensed SAS software customer.

Request a Temporary SID File

For emergency situations, you can download a temporary SID file that will extend the use of your licensed SAS software for 15 days. To begin, log in to your SAS account at <https://my.sas.com>.

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