Software License Renewal Instructions

SAS® 9.4 for z/OS Planned Deployment

SAS software is licensed on a calendar basis. In order to run your licensed software, you must apply the SAS installation data file (SID file) to your SAS software to renew your software.

Software Renewal Overview

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

If you want to request changes to your license parameters, contact Licensing Operations: https://support.sas.com/adminservices/contact.html

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 license information. Your site designated the SAS Installation Representative when you licensed the SAS system.*

These instructions explain the process of renewing your SAS 9.4 software license:

A. Obtain Your SID File
B. Multiple z/OS SID Files for Planned Deployments
C. Process Your Renewal
D. Update the SID File in the Metadata for Applicable SAS Solutions
E. Restart SAS Servers and SAS Spawners
F. Setinit Troubleshooting

A. Obtain Your SID File

The information supplied with the SID file reflects your current license agreement with SAS and contains code to update the license information for each licensed offering.

The SID file name is in the format *SAS94_order-number_site-number_host-platform.txt*; for example, SAS94_111ABC_70111111_ZOS.txt.

B. Multiple z/OS SID Files for Planned Deployments

Installations that include a SAS Metadata server in SAS 9.4 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=9.4
Revision=9.4
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 30SEP2013
$_Stream=---------------------- END ----------------------
```

Be sure to apply the SID file above to your 64-bit installation and the SID file that starts like this below and has “mvs” for the `Platform_short` should be applied to your 31-bit SID file:

```
[_SID_]
Version=9.4
Revision=9.4
Platform_long=z/OS
Platform_short=mvs
```

Note: *If your order type is “planned” but a SAS Metadata Server is not listed on z/OS,* ***STOP*** *here. Visit the SAS License Assistance page for instructions on how to apply your renewal license for a "basic" deployment: https://support.sas.com/en/technical-support/license-assistance.html#z-os.*

C. Process Your Renewal

Update access to the SASHELP library is required to update your setinit information.

Important: *You must follow these instructions for BOTH the 64-bit SAS installation and the 31-bit SAS installation. The 64-bit setinit must be applied* ***first****. Be careful to use the right prefix for the appropriate SID file—the SID file with the metadata server should be applied to the 64-bit installation and the other z/OS SID file should be applied to the 31-bit installation.*

1. Stop all SAS Servers and SAS Spawners before renewing your software.
2. Save the SID file that was included with the Software Order Email to a location on your PC.
3. 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.*

4. 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.

5. Check the SAS LOG for the message "**`Siteinfo data have been updated`**" to confirm the setinit procedure executed successfully.
6. Repeat Steps 2–5 for the 31- bit installation.

D. Update the SID File in the Metadata for Applicable SAS Solutions

If your SAS 9.4 deployment includes specific SAS solution software that depends on a SAS middle tier, additional steps are required to update the SID file in metadata. This procedure involves using the SAS Deployment Manager and the SID file that contains the SAS Solution software to update your SAS metadata repository.

Note: *This procedure is performed **one time only** in your deployment, regardless of the number of machines in your deployment.*

The following is a subset of the SAS solutions that require this procedure (for a complete list, refer to KB0036256):

- SAS® Activity-Based Management
- SAS® Enterprise Miner™ (server only, version 7.1 and above)
- SAS® Financial Crimes Monitor
- SAS® Financial Management
- SAS® Forecast Server
- SAS® Social Network Analysis Server
- SAS® Visual Analytics

Steps for the SID File Update in Metadata

To locate and apply your new SAS solution software license in metadata, follow these steps:

1. If an applicable SAS solution was installed, review all renewal SID files associated with the renewal order to locate the SAS 9.4 License File with the SAS Solution product.

   You can review the SAS Software License Renewal Order email to see the products for each site, the operating system, and the corresponding license file name.

   If an applicable SAS solution is not listed, proceed to **Section E**.

2. Log on to the z/OS machine as the SAS Installer user ID where the SAS Metadata Server is installed and currently running.

   The SAS Installer user is the operating system user ID with which your SAS deployment was installed. For more information, see "Required External User Accounts for SAS" in the *SAS 9.4 Intelligence Platform Installation and Configuration Guide*.

3. Make sure the SID file that contains the applicable SAS Solution determined above is saved to a location accessible to the SAS Metadata Server machine in a UNIX File System directory.
4. In OMVS, navigate to `/SASHOME-directory/SASDeploymentManager/9.4` and execute the following command: **`sasdm.rexx`**.

Important: *If you do not want to use an X11 server for z/OS, you can use the SAS Deployment Manager in console mode, allowing you to use a text-based interface. If you use console mode, each dialog box that is used in the deployment of your SAS software is represented in text. The command to use the console mode is:*

```
sasdm.rexx -console
```

Note: *If you are instructed to enter a sequence that that includes angle brackets, such as "`Enter <q> to quit`", include those symbols.*

5. In SAS Deployment Manager, select **Update SID File in Metadata**.
6. If the **Update SID file in Metadata** option is not listed and the SAS Metadata Server is not installed on this machine, then the Update SID File in Metadata steps are not required on this machine. Proceed to **Section E**.
7. In the next (panel, display), select the configuration directory (for example, `/SAS-CONFIG-dir/`) and the level (for example, `Lev1`) for your SAS deployment that is displayed in the window. If your configuration is in another folder, enter a different configuration directory and level.
8. In the next display, verify the Host Name of the metadata server and port number. Enter the user ID and password for a SAS internal unrestricted administrative user (for example, `sasadm@saspw`).
9. In the next display, enter the absolute path to the SID file containing the SAS Metadata Server product, discussed previously (for example, `/uss-directory/SAS94_999AAA_70000001_ZOS.txt`).
10. Click **Start** or press **Enter** to continue.
11. When SAS Deployment Manager has successfully updated your metadata using the SID file, a green check mark is displayed; in console mode an "S" is displayed next to each step. Click **Finish** or **Press Enter to Continue.**

E. Restart SAS Servers and SAS Spawners

After applying all SID files in your environment, restart all SAS Servers and SAS Spawners in your environment in the appropriate order, including any SAS Metadata Servers so that new expiration dates and any newly licensed offerings can take effect.

For more information on restarting SAS servers in the appropriate order, see "Starting, Stopping, and Checking the Status of Servers" in the *SAS 9.4 Intelligence Platform System Administration Guide*.

F. Setinit Troubleshooting

The following is a list of common error messages and solutions that might occur when attempting to update your setinit information. If you continue to see 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 XXXXXXX

  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. 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.

- **ERROR:**

  ```
  THE LOG DOES NOT CONTAIN THE MESSAGE "SITEINFO DATA HAVE BEEN UPDATED"
  ```

  SOLUTION:

  Either the `PROC SETINIT` was not correct, or the statements "**`SAVE; RUN;`**" were not included when the `PROC SETINIT` was copied to the mainframe.

Request Assistance

If you have questions about your SID file, or if you encounter problems applying your setinit, create a case at the Customer Service Portal: https://service.sas.com/csm

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.

SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. ® indicates USA registration. Other brand and product names are trademarks of their respective companies.
Copyright © 2014 - 2025 SAS Institute Inc. Cary, NC, USA. All rights reserved.