

Addendum to the Installation Instructions for the SAS® System under UNIX® Environments, Release 6.12 (TS070)

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Introduction

This document is an addendum to *Installation Instructions for the SAS System under UNIX Environments, Release 6.12 (TS050 and above)* and contains instructions for installing the SAS System and maintenance fixes, which are included as part of the SAS Notes component. Whether you are installing Release 6.12 of the SAS System for the first time, adding a new SAS System product, or specifically installing SAS Notes, it is recommended that you follow the instructions in this addendum and install the most current maintenance for Release 6.12 of the SAS System.

As you follow the instructions in this addendum to apply the Technical Support maintenance fixes, which are part of the SAS Notes component, you will overwrite pieces of your production system. **SAS Institute Technical Support recommends that you create a backup of your production SAS System before proceeding with these instructions.**

Release 6.12 (TS070) of the SAS System requires an additional 120 megabytes of disk space to install. Once the maintenance fixes have been installed and tested, see the note at the end of this addendum for instructions on reducing additional disk space. For more information on the total disk space required to install Release 6.12 (TS070), refer to the “Space Requirements” section in the *System Requirements*.

Note: This addendum uses `/usr/local/sas612` as the pathname for your SASROOT directory. This pathname is just an example. Substitute your installation directory, ending with `sas612`, for this name in these instructions.

Choosing the Correct Installation Procedure

If this is your initial installation of the SAS System, follow the instructions in the section “Performing a Default Installation” in this addendum, as well as the steps in *Installation Instructions for the SAS System under UNIX Environments, Release 6.12 (TS050 and above)*. The installation media that is included in your package contain all of your licensed products at the SAS System Release 6.12 (TS020) level.

In addition, there are maintenance fixes that are supplied with the SAS Notes product. These upgrade your SAS System to the (TS070) level. Choosing the default installation automatically promotes your installed SAS System image to the (TS070) level.

If you already have Release 6.12 (prior to TS070) of the SAS System installed on disk, and you are upgrading to (TS070), follow the instructions in the section “Performing a Custom Installation” on page 7 of this addendum and select the SAS Notes product.

If you prefer to perform a default installation, make sure that the initial `tar` command documented in the section “Extracting SAS Manager From Tape or CD-ROM” in *Installation Instructions for the SAS System under UNIX Environments, Release 6.12 (TS050 and above)* is performed in a different directory from the current `!SASROOT` directory. Performing a

default installation over an existing SAS System installation may result in a mixture of SAS files from different SAS System releases that are incompatible. This type of installation can produce unpredictable results.

Performing a Default Installation

If you are performing a default installation of the SAS System, all products on the media are extracted automatically, including SAS Notes/Technical Support Fixes. Application of the Technical Support Fixes also occurs automatically. In addition, your SAS System SETINIT is applied to update your license information.

Example 1: Sample SASMANAGER Output for a Default Installation

```
$ tar xf /cdrom/cdrom0/SAS_INST
$ cd sas612
$ ./sasmanager
```

SAS System Installation Manager

Menu conventions: * means default; () around an item means it is not selectable.

Prompting conventions: [] indicates the default.

You can quit this script at any time by typing ^C (Control-C) or whatever is defined as the interrupt key on your system.

For more information, see the SAS System Installation Manual.

Online copies of the Installation Manual can be found in /usr/local/sas612/doc/. There are several copies in different formats, so please read the README file for suggested ways of viewing the documents.

Mon Mar 17 18:20:18 EST 1999

SAS System Installation Manager:

- * 1. Load Software from Media...
 - 2. Invoke Custom Installation and Utilities...
 - 3. Exit SAS Installation Manager
- (Enter h for help)

Action ? [1] 1

Select Installation Media:

1. Tape
 - * 2. CD-ROM
- (Enter h for help)

Which option? [2] 2

Is the cdrom local or remote? [local]

What is the pathname of the cdrom? [/cdrom] /cdrom/cdrom0

Is /cdrom/cdrom0 correct (y/n)? [y]

What is the pathname of your setinit program?

[/usr/local/sas612/setinit.sas]

Is /usr/local/sas612/setinit.sas correct (y/n)? [y]

The SAS System will be installed from a local CD-ROM
mounted on /cdrom/cdrom0 into the directory /usr/local

Do you want to continue (y/n)? [y]

Do you wish to view the media contents? (y/n)? [n]

Do you wish to continue with the install (y/n)? [y]

Checking Co-requisite information for all products...

Calculating space requirements for installation. This may take a while.

The installation will use 823283 K-bytes of disk space out of
7383454 total K-bytes available on the disk, leaving 6560171 K-bytes
remaining on the disk.

Installing the SAS System. This may take a while.

Installing Options catalogdone
Installing SAS Required Filesdone
Installing Base SAS Softwaredone
Installing Base SAS Samplesdone
Installing SAS/AF Softwaredone
Installing SAS/ASSIST Softwaredone
Installing SAS/CALC Softwaredone
Installing SAS/CONNECT Softwaredone
Installing SAS/CONNECT Samplesdone
Installing SAS/CPE Softwaredone
Installing SAS/EIS Softwaredone
Installing SAS/EIS Samplesdone
Installing SAS/ENGLISH Softwaredone

Installing SAS/ENGLISH Samplesdone
Installing SAS/ETS Softwaredone
Installing SAS/ETS Samplesdone
Installing SAS/FSP Softwaredone
Installing SAS/GIS Softwaredone
Installing SAS/GIS Samplesdone
Installing SAS/GRAPH Softwaredone
Installing SAS/GRAPH Samplesdone
Installing Maps of Africa and the Middle Eastdone
Installing Maps of Asia/Pacific Regiondone
Installing Maps of Europedone
Installing Maps of North Americadone
Installing Maps of Latin Americadone
Installing Maps of Canada (Large)done
Installing Maps of Soviet Uniondone
Installing Maps of World Continentsdone
Installing Map of the Worlddone
Installing Maps of US Counties (Huge, Unprojected)done
Installing Maps of US Counties (Large, Unprojected)done
Installing Maps of US States Outlines (Unprojected)done
Installing Maps of US Counties (Projected)done
Installing SAS/IML Softwaredone
Installing SAS/IML Samplesdone
Installing SAS/ACCESS TO INFORMIX Softwaredone
Installing SAS/ACCESS TO INFORMIX Samplesdone
Installing SAS/ACCESS TO INGRES Softwaredone
Installing SAS/ACCESS TO INGRES Samplesdone
Installing SAS/INSIGHT Softwaredone
Installing SAS/INSIGHT Samplesdone
Installing SAS/LAB Softwaredone
Installing SAS/MDDb SERVER Softwaredone
Installing SAS/OR Softwaredone
Installing SAS/OR Samplesdone
Installing SAS/ACCESS TO ORACLE Softwaredone
Installing SAS/ACCESS TO ORACLE Samplesdone
Installing SAS/ACCESS PC File Formats Softwaredone
Installing SAS/QC Softwaredone
Installing SAS/QC Samplesdone
Installing SAS/SHARE Softwaredone
Installing Solaris 2done
Installing SAS/SPECTRAVIEW Softwaredone
Installing SAS/SPECTRAVIEW Samplesdone
Installing SAS/STAT Softwaredone
Installing SAS/STAT Samplesdone
Installing SAS/ACCESS TO SYBASE Softwaredone
Installing SAS/ACCESS TO SYBASE Samplesdone
Installing SAS/ACCESS TO UNIX Databases Softwaredone
Installing SAS/Warehouse Administrator Softwaredone
Installing SAS/TOOLKIT Softwaredone

```
Installing SAS/TUTOR CBT101 Software ....done
Installing SAS/TUTOR CBT102 Software ....done
Installing SAS/TUTOR CBT103 Software ....done
Installing SAS/TUTOR CBT104 Software ....done
Installing SAS/TUTOR CBT105 Software ....done
Installing SAS/TUTOR CBT106 Software ....done
Installing Usage Notes Software ....done
```

```
Creating autoexec.sas ...
...done.
Creating config.sas612 ...
...done.
```

```
Overwriting the SAS Solaris 1 specific files with Solaris 2 files.
Deleting Solaris 2 support files.
```

```
Applying new setinit information...
```

```
Applying Tech Support Fixes supplied with the Usage Notes...
```

```
Now installing Tech Support Fix Number TS070_BASE
```

```
Beginning Patch.
```

```
Patched: '/usr/local/sas612/sas' with
        name of install directory: /usr/local/sas612
```

```
Patched: '/usr/local/sas612/utilities/bin/saszap' with
        name of install directory: /usr/local/sas612
```

```
Completed patch.
Applying new setinit information...
```

```
What is the pathname of your setinit program?
[/usr/local/sas612/setinit.sas]
```

```
Is /usr/local/sas612/setinit.sas correct (y/n)? [y]
```

```
Now installing Tech Support Fix Number TS070_CONNECT
Now installing Tech Support Fix Number TS070_EIS
Now installing Tech Support Fix Number TS070_ETS
Now installing Tech Support Fix Number TS070_FSP
Now installing Tech Support Fix Number TS070_GIS
Now installing Tech Support Fix Number TS070_GRAPH
Now installing Tech Support Fix Number TS070_IML
Now installing Tech Support Fix Number TS070_INFORMIX
Now installing Tech Support Fix Number TS070_INGRES
Now installing Tech Support Fix Number TS070_MDDB
Now installing Tech Support Fix Number TS070_ORACLE
```

Now installing Tech Support Fix Number TS070_QC
Now installing Tech Support Fix Number TS070_SHARE
Now installing Tech Support Fix Number TS070_STAT
Now installing Tech Support Fix Number TS070_SYBASE

Beginning Patch.

Patched: '/usr/local/sas612/sas' with
name of install directory: /usr/local/sas612

Patched: '/usr/local/sas612/utilities/bin/saszap' with
name of install directory: /usr/local/sas612

Completed patch.

No Languages to process at Production Level

Running Tests on Production image...

Beginning the SAS System integrity check.
Executed '/usr/local/sas612/sastest/testbase.sas'.
Executed '/usr/local/sas612/sastest/testets.sas'.
Executed '/usr/local/sas612/sastest/testgraf.sas'.
Executed '/usr/local/sas612/sastest/testiml.sas'.
Executed '/usr/local/sas612/sastest/testor.sas'.
Executed '/usr/local/sas612/sastest/testqc.sas'.
Executed '/usr/local/sas612/sastest/teststat.sas'.

You have installed a SAS/ACCESS product.
You will need to enter the Custom Installation and Utilities section
and invoke the Product Specific Configuration for this product.

The CPE software for Open Systems requires a sitelib directory that
contains site-specific customizations for SAS/CPE software (e.g., the
site's preferred graphics device). A default version of this directory
is shipped with SAS/CPE. This default directory is recommended for
sites just starting to use SAS/CPE.

To use the default sitelib, no further action is needed.

If you later want to make your own updates to sitelib, you will need to
create your own sitelib directory. Follow the instructions that appear
as "Creating a New Sitelib Directory for SAS/CPE" in the notes
accompanying this maintenance release.

If you have already installed a previous release of SAS/CPE and you have
made changes to sitelib, you will need to merge your sitelib with the
contents of the new default sitelib. See the "What's New" entry under

the SAS/CPE main menu Help button for information on merging these directories.

Configured Desktop product.

Installation is now complete.

You may exit the SAS System Installation Manager.

SAS System Installation Manager:

1. Load Software from Media...
 - * 2. Invoke Custom Installation and Utilities...
 3. Exit SAS Installation Manager
- (Enter h for help)

Action ? [2] 3

Performing a Custom Installation

Whether you are performing a custom installation of the SAS System, adding SAS System products, or specifically installing maintenance fixes, **the SAS Notes must be specifically selected before you can install them.**

Follow the installation process as documented in “Appendix J, Performing a Custom Installation of the SAS System,” in *Installation Instructions for the SAS System under UNIX Environments, Release 6.12 (TS050 and above)*.

The following are two examples of a Custom Installation. Example 2 shows a Custom Installation in which SAS Notes is selected to upgrade to TS070. In Example 3, a Custom Installation is performed, using both SAS Notes and SAS/Connect as an additional SAS product in the upgrade to TS070.

Example 2: Sample SASMANAGER Output For a Custom Installation (Adding SAS Notes Only)

```
$ /usr/local/sas612 -->./sasmanager
```

SAS System Installation Manager

Menu conventions: * means default; () around an item means it's not selectable.

Prompting conventions: [] indicates the default.

You can quit this script at any time by typing ^C (Control-C) or whatever is defined as the interrupt key on your system.

For more information, see the SAS System Installation Manual.

Online copies of the Installation Manual can be found in
/usr/local/sas612/doc/.

There are several copies in different formats, so please read the README file for suggested ways of viewing the documents.

Tue Mar 16 18:54:07 EST 1999

SAS System Installation Manager:

- * 1. Load Software from Media...
 - 2. Invoke Custom Installation and Utilities...
 - 3. Exit SAS Installation Manager
- (Enter h for help)

Action ? [1] 2

SAS System Custom Installation and Utilities:

- * 1. Invoke Custom Installation Facility...
 - 2. Invoke Product Specific Configuration...
 - 3. Invoke SAS Installation Utilities...
 - (4. Invoke SAS Maintenance Utilities...)
 - 5. Go Back
- (Enter h for help)

Action ? [1] 1

SAS Custom Installation Facility:

- * 1. Select Source Media...
 - 2. Select Destination Media...
 - 3. Show Current Installation Settings
 - 4. View Media Contents (with file sizes)
 - 5. Install All from Source to Destination
 - 6. Perform Custom Installation...
 - 7. Go Back
- (Enter h for help)

Action ? [1] 1

Select Installation Media:

- 1. Tape (include QIC, 8mm, 4mm, and 9-track)
 - * 2. CD-ROM
- (Enter h for help)

Which option? [2] 2

Is the cdrom local or remote? [local]

What is the pathname of the cdrom? [/cdrom/cdrom0]

Is /cdrom/cdrom0 correct (y/n)? [y]

SAS Custom Installation Facility:

- 1. Select Source Media...
- * 2. Select Destination Media...
- 3. Show Current Installation Settings

4. View Media Contents (with file sizes)
5. Install All from Source to Destination
6. Perform Custom Installation...
7. Go Back

(Enter h for help)

Action ? [2] 2

Select Destination Media:

- * 1. Disk Image
- 2. Distribution Disk Image
- 3. Tape (include QIC, 8mm, 4mm, and 9-track)

(Enter h for help)

Which option? [1] 1

Is the disk image local or remote? [local]

What is the pathname of the disk image? [/usr/local]

Is /usr/local correct (y/n)? [y]

SAS Custom Installation Facility:

1. Select Source Media...
2. Select Destination Media...
- * 3. Show Current Installation Settings
4. View Media Contents (with file sizes)
5. Install All from Source to Destination
6. Perform Custom Installation...
7. Go Back

(Enter h for help)

Action ? [3] 6

Custom Installation:

- * 1. Choose Licensing Files
- 2. Choose SAS Notes
- (3. Choose International Support...)
- 4. Choose Products...
- 5. Choose Samples...
- 6. Choose Maps...
- 7. Clear All Selections
- 8. Preview Selections
- 9. Install Current Selections
- 10. Go Back

(Enter h for help)

Action ? [1] 1

License files chosen.

Custom Installation:

1. Choose Licensing Files
- * **2. Choose SAS Notes**
- (3. Choose International Support...)
4. Choose Products...
5. Choose Samples...
6. Choose Maps...
7. Clear All Selections
8. Preview Selections
9. Install Current Selections
10. Go Back
- (Enter h for help)

Action ? [2] 2

Custom Installation:

1. Choose Licensing Files
2. Choose SAS Notes
- (3. Choose International Support...)
4. Choose Products...
- * 5. Choose Samples...
6. Choose Maps...
7. Clear All Selections
8. Preview Selections
- 9. Install Current Selections**
10. Go Back
- (Enter h for help)

Action ? [5] 9

Calculating space requirements for installation. This may take a while.

The installation will use 280252 K-bytes of disk space out of
6879663 total K-bytes available on the disk, leaving 6599411
K-bytes remaining on the disk.

Installing the SAS System. This may take a while.

Installing Options catalogdone
Installing SAS Required Filesdone
Installing Usage Notes Softwaredone

Custom Installation:

1. Choose Licensing Files
2. Choose SAS Notes
- (3. Choose International Support...)
4. Choose Products...
5. Choose Samples...
6. Choose Maps...
7. Clear All Selections
8. Preview Selections
9. Install Current Selections
- * 10. Go Back

(Enter h for help)
Action ? [10] 10

SAS Custom Installation Facility:
1. Select Source Media...
2. Select Destination Media...
3. Show Current Installation Settings
4. View Media Contents (with file sizes)
5. Install All from Source to Destination
6. Perform Custom Installation...
* 7. Go Back
(Enter h for help)
Action ? [7] 7

SAS System Custom Installation and Utilities:
1. Invoke Custom Installation Facility...
* 2. Invoke Product Specific Configuration...
3. Invoke SAS Installation Utilities...
(4. Invoke SAS Maintenance Utilities...)
5. Go Back
(Enter h for help)
Action ? [2] 3

SAS Installation Utilities:
* 1. Create SAS config and autoexec files
2. **Apply Special Tech Support Fixes (supplied with SAS Notes)**
3. Patch SAS Binary with Installed Directory
4. Apply SAS Setinit Information
5. Invoke SAS Installation Tests
6. Uncompress Maps Datasets
7. Go Back
(Enter h for help)
Action ? [1] 2

Now installing Tech Support Fix Number TS070_BASE

Beginning Patch.

Patched: '/usr/local/sas612/sas' with
name of install directory: /usr/local/sas612

Patched: '/usr/local/sas612/utilities/bin/saszap' with
name of install directory: /usr/local/sas612

Completed patch.
Applying new setinit information...

What is the pathname of your setinit program?

[/usr/local/sas612/setinit.sas]

Is /usr/local/sas612/setinit.sas correct (y/n)? [y]

Now installing Tech Support Fix Number TS070_CONNECT
Now installing Tech Support Fix Number TS070_EIS
Now installing Tech Support Fix Number TS070_ETS
Now installing Tech Support Fix Number TS070_FSP
Now installing Tech Support Fix Number TS070_GIS
Now installing Tech Support Fix Number TS070_GRAPH
Now installing Tech Support Fix Number TS070_IML
Now installing Tech Support Fix Number TS070_INFORMIX
Now installing Tech Support Fix Number TS070_INGRES
Now installing Tech Support Fix Number TS070_MDDDB
Now installing Tech Support Fix Number TS070_ORACLE
Now installing Tech Support Fix Number TS070_QC
Now installing Tech Support Fix Number TS070_SHARE
Now installing Tech Support Fix Number TS070_STAT
Now installing Tech Support Fix Number TS070_SYBASE

SAS Installation Utilities:

1. Create SAS config and autoexec files
2. Apply Special Tech Support Fixes (supplied with SAS Notes)
- * 3. Patch SAS Binary with Installed Directory
4. Apply SAS Setinit Information
5. Invoke SAS Installation Tests
6. Uncompress Maps Datasets
7. Go Back

(Enter h for help)

Action ? [3] 7

SAS System Custom Installation and Utilities:

1. Invoke Custom Installation Facility...
2. Invoke Product Specific Configuration...
3. Invoke SAS Installation Utilities...
- (4. Invoke SAS Maintenance Utilities...)
- * 5. Go Back

(Enter h for help)

Action ? [5] 5

SAS System Installation Manager:

1. Load Software from Media...
2. Invoke Custom Installation and Utilities...
- * 3. Exit SAS Installation Manager

(Enter h for help)

Action ? [3] 3

Example 3: Sample SASMANAGER Output For a Custom Installation (Adding SAS Notes Plus Additional SAS Products)

```
$ /usr/local/sas612 -->./sasmanager
```

SAS System Installation Manager

Menu conventions: * means default; () around an item means it's not selectable.

Prompting conventions: [] indicates the default.

You can quit this script at any time by typing ^C (Control-C) or whatever is defined as the interrupt key on your system.

For more information, see the SAS System Installation Manual.

Online copies of the Installation Manual can be found in /usr/local/sas612/doc/. There are several copies in different formats, so please read the README file for suggested ways of viewing the documents.

SAS System Installation Manager:

- * 1. Load Software from Media...
 - 2. Invoke Custom Installation and Utilities...
 - 3. Exit SAS Installation Manager
- (Enter h for help)

Action ? [1] 2

SAS System Custom Installation and Utilities:

- * 1. Invoke Custom Installation Facility...
 - 2. Invoke Product Specific Configuration...
 - 3. Invoke SAS Installation Utilities...
 - (4. Invoke SAS Maintenance Utilities...)
 - 5. Go Back
- (Enter h for help)

Action ? [1] 1

SAS Custom Installation Facility:

- * 1. Select Source Media...
 - 2. Select Destination Media...
 - 3. Show Current Installation Settings
 - 4. View Media Contents (with file sizes)
 - 5. Install All from Source to Destination
 - 6. Perform Custom Installation...
 - 7. Go Back
- (Enter h for help)

Action ? [1] 1

Select Installation Media:

1. Tape (include QIC, 8mm, 4mm, and 9-track)
- * 2. CD-ROM
(Enter h for help)

Which option? [2] 2

Is the cdrom local or remote? [local]

What is the pathname of the cdrom? [/cdrom/cdrom0]

Is /cdrom/cdrom0 correct (y/n)? [y]

SAS Custom Installation Facility:

1. Select Source Media...
- * 2. Select Destination Media...
3. Show Current Installation Settings
4. View Media Contents (with file sizes)
5. Install All from Source to Destination
6. Perform Custom Installation...
7. Go Back
(Enter h for help)

Action ? [2] 2

Select Destination Media:

- * 1. Disk Image
2. Distribution Disk Image
3. Tape (include QIC, 8mm, 4mm, and 9-track)
(Enter h for help)

Which option? [1] 1

Is the disk image local or remote? [local]

What is the pathname of the disk image? [/usr/local]

Is /usr/local correct (y/n)? [y]

SAS Custom Installation Facility:

1. Select Source Media...
2. Select Destination Media...
- * 3. Show Current Installation Settings
4. View Media Contents (with file sizes)
5. Install All from Source to Destination
6. Perform Custom Installation...
7. Go Back
(Enter h for help)

Action ? [3] 6

Custom Installation:

- * 1. Choose Licensing Files
- 2. Choose SAS Notes
- (3. Choose International Support...)
- 4. Choose Products...
- 5. Choose Samples...
- 6. Choose Maps...
- 7. Clear All Selections
- 8. Preview Selections
- 9. Install Current Selections
- 10. Go Back

(Enter h for help)

Action ? [1] 1

License files chosen.

Custom Installation:

- 1. Choose Licensing Files
- * **2. Choose SAS Notes**
- (3. Choose International Support...)
- 4. Choose Products...
- 5. Choose Samples...
- 6. Choose Maps...
- 7. Clear All Selections
- 8. Preview Selections
- 9. Install Current Selections
- 10. Go Back

(Enter h for help)

Action ? [2] 2

Custom Installation:

- 1. Choose Licensing Files
- 2. Choose SAS Notes
- (3. Choose International Support...)
- * 4. Choose Products...
- 5. Choose Samples...
- 6. Choose Maps...
- 7. Clear All Selections
- 8. Preview Selections
- 9. Install Current Selections
- 10. Go Back

(Enter h for help)

Action ? [4] 4

Custom Selection of Products:

- * 1. Select All Products
- 2. Select Individual Products...
- 3. Clear Current Product Selections
- 4. Go Back

(Enter h for help)
 Action ? [1] 2

PRODUCT Selection Menu

Num Item	Num Item	Num Item
1 Base SAS	2 SAS/AF	3 SAS/ASSIST
4 SAS/CALC	5 SAS/CONNECT	6 SAS/CPE
7 SAS/EIS	8 SAS/ENGLISH	9 SAS/ETS
10 SAS/FSP	11 SAS/GIS	12 SAS/GRAPH
13 SAS/IML	14 SAS/ACCESS INFORMIX	15 SAS/ACCESS INGRES
16 SAS/INSIGHT	17 SAS/LAB	18 SAS/MDDb Server
19 SAS/OR	20 SAS/ACCESS ORACLE	21 SAS/ACCESS PC Formats
22 SAS/QC	23 SAS/SHARE	24 Solaris 2.x Support
25 SAS/SPECTRAVIEW	26 SAS/STAT	27 SAS/ACCESS SYBASE
28 SAS/ACCESS UNIX Databases		
29 SAS/Warehouse Administrator		30 SAS/TOOLKIT
31 SAS/TUTOR CBT101	32 SAS/TUTOR CBT102	33 SAS/TUTOR CBT103
34 SAS/TUTOR CBT104	35 SAS/TUTOR CBT105	36 SAS/TUTOR CBT106

Enter numbers of items to be installed or 'q' to quit: 5

Checking Co-requisite information for all selected products...

Custom Selection of Products:

Select All Products

Select Individual Products...

Clear Current Product Selections

4. Go Back

(Enter h for help)

Action ? [4] 4

Custom Installation:

1. Choose Licensing Files

2. Choose SAS Notes

(3. Choose International Support...)

4. Choose Products...

* 5. Choose Samples...

6. Choose Maps...

7. Clear All Selections

8. Preview Selections

9. Install Current Selections

10. Go Back

(Enter h for help)

Action ? [5] 9

Calculating space requirements for installation. This may take a while.

The installation will use 280252 K-bytes of disk space out of 6879663 total K-bytes available on the disk, leaving 6599411 K-bytes remaining on the disk.

Installing the SAS System. This may take a while.

Installing Options catalogdone
Installing SAS Required Filesdone
Installing SAS/CONNECT Softwaredone
Installing Usage Notes Softwaredone

Custom Installation:

1. Choose Licensing Files
2. Choose SAS Notes
- (3. Choose International Support...)
4. Choose Products...
5. Choose Samples...
6. Choose Maps...
7. Clear All Selections
8. Preview Selections
9. Install Current Selections

* 10. Go Back

(Enter h for help)

Action ? [10] 10

SAS Custom Installation Facility:

1. Select Source Media...
2. Select Destination Media...
3. Show Current Installation Settings
4. View Media Contents (with file sizes)
5. Install All from Source to Destination
6. Perform Custom Installation...

* 7. Go Back

(Enter h for help)

Action ? [7] 7

SAS System Custom Installation and Utilities:

1. Invoke Custom Installation Facility...
- * 2. Invoke Product Specific Configuration...
3. Invoke SAS Installation Utilities...
- (4. Invoke SAS Maintenance Utilities...)
5. Go Back

(Enter h for help)

Action ? [2] 3

SAS Installation Utilities:

- * 1. Create SAS config and autoexec files
- 2. Apply Special Tech Support Fixes (supplied with SAS Notes)**

```
3. Patch SAS Binary with Installed Directory
4. Apply SAS Setinit Information
5. Invoke SAS Installation Tests
6. Uncompress Maps Datasets
7. Go Back
  (Enter h for help)
Action ? [1] 2
```

Now installing Tech Support Fix Number TS070_BASE

Beginning Patch.

```
Patched: '/usr/local/sas612/sas' with
        name of install directory: /usr/local/sas612
```

```
Patched: '/usr/local/sas612/utilities/bin/saszap' with
        name of install directory: /usr/local/sas612
```

Completed patch.

Applying new setinit information...

What is the pathname of your setinit program? [/usr/local/sas612/setinit.sas]

Is /usr/local/sas612/setinit.sas correct (y/n)? [y]

Now installing Tech Support Fix Number TS070_CONNECT

Now installing Tech Support Fix Number TS070_EIS

Now installing Tech Support Fix Number TS070_ETS

Now installing Tech Support Fix Number TS070_FSP

Now installing Tech Support Fix Number TS070_GIS

Now installing Tech Support Fix Number TS070_GRAPH

Now installing Tech Support Fix Number TS070_IML

Now installing Tech Support Fix Number TS070_INFORMIX

Now installing Tech Support Fix Number TS070_INGRES

Now installing Tech Support Fix Number TS070_MDDB

Now installing Tech Support Fix Number TS070_ORACLE

Now installing Tech Support Fix Number TS070_QC

Now installing Tech Support Fix Number TS070_SHARE

Now installing Tech Support Fix Number TS070_STAT

Now installing Tech Support Fix Number TS070_SYBASE

SAS Installation Utilities:

1. Create SAS config and autoexec files
2. Apply Special Tech Support Fixes (supplied with SAS Notes)
- * 3. Patch SAS Binary with Installed Directory
4. Apply SAS Setinit Information
5. Invoke SAS Installation Tests
6. Uncompress Maps Datasets
7. Go Back

```
(Enter h for help)
Action ? [3] 7
```

```
SAS System Custom Installation and Utilities:
1. Invoke Custom Installation Facility...
2. Invoke Product Specific Configuration...
3. Invoke SAS Installation Utilities...
(4. Invoke SAS Maintenance Utilities...)
5. Go Back
(Enter h for help)
Action ? [5] 5
```

```
SAS System Installation Manager:
1. Load Software from Media...
2. Invoke Custom Installation and Utilities...
3. Exit SAS Installation Manager
(Enter h for help)
Action ? [3] 3
```

Reducing Additional Disk Space

Note: The maintenance fixes are stored in
!SASROOT/sas_notes/fixes/done.TS070_*/*.

You can save disk space once the maintenance installation is complete and has been tested at your site by either compressing or removing the maintenance fixes in the directory !SASROOT/sas_notes/fixes as shown in the examples below.

Compress Example:

```
cd !SASROOT/sas_notes/fixes
compress done.TS*/*
```

Remove Example:

```
cd !SASROOT/sas_notes/fixes
rm -r done.TS*
```

Contacting SAS Institute Technical Support

If you encounter errors or have questions regarding the installation, SAS Institute provides technical support via the World Wide Web, telephone, mail, dial-up computer access, or electronic mail. For technical support via the World Wide Web, use the following URL:

<http://www.sas.com/ts/>

For technical support by phone, call (919) 677-8008 between the hours of 9:00 a.m. and 8:00 p.m., Eastern Time, during Institute business days.

Make sure you have the following information available when contacting SAS Institute Technical Support:

- your SAS site number
- your operating system and version number
- any errors you received during installation
- your unedited !SASROOT/.install/SAS_TOC file
- an “ls -la” listing of your !SASROOT/sas_notes/fixes directory
- your log files under the !SASROOT/sas_notes/fixes/logs/TS070 directory

Electronic mail access is available through the Electronic Mail Interface to Technical Support (EMITS). This facility allows you to open a technical support problem, track it, and/or add information to a previously reported problem. To obtain more information on EMITS, send electronic mail to SUPPORT@SAS.COM with the body of the message containing the command:

Help

Frequently Asked Questions

Question 1:

I am attempting to add an additional SAS product to my current SAS installation and I am receiving the following error message:

```
Error:  You have already installed TS level 0xx and are now
attempting to install TS level 020.  This could result in serious
incompatibilities amongst portions of the SAS Software.  You must
install all media in TS level order.
```

```
Continue with installation? (y/n)? [n]
```

Answer 1:

The reason for the above error message is that the new product that the SAS user is installing during the custom installation is tagged at TS Level TS020, but the current SAS 6.12 installation is tagged with a different TS Level such as TS045, TS050, TS055, TS060, TS065 or TS070. You can disregard the above error message and choose ‘Y’ for “Yes” to continue with the SAS installation. This will install the new product to disk.

After the new product is installed to disk, choose Apply Special Tech Support Fixes (Supplied with SAS Notes) from the sasmanager installation utility. This will apply the TS070 fixes associated with the newly installed product.

SAS Note V6-SYS.INST-F262 documents this problem.

Question 2:

I am in the process of installing The SAS System, Release 6.12 TS070 and I am receiving the following notes on my screen. What do they mean?

Now installing Tech Support Fix Number TS070_PRODUCT

Note: This fix cannot be applied because it requires the English version of the SAS product, which is not installed.

Answer 2:

The SAS System is attempting to install the current maintenance fixes. However, before the fixes are installed, the installation procedure checks to see if the product that the fixes are associated with is installed. If the product that the fixes are associated with is not installed, the user will receive above NOTE.

Question 3:

I am doing a Custom Installation and have chosen the SAS Notes product to install. Next, I chose Install Selected Products to install the new products and my installation seems complete. However, when I invoke the SAS System, the SAS log still says 6.12 TS020, TS045, TS050, TS055, or TS060. Why?

Answer 3:

When you install the SAS Notes, you have placed the current maintenance fixes to disk, but you still have to apply them to your installation. To do this, follow these steps:

- a. Invoke the !SASROOT/sasmanager installation utility
- b. Choose option 2 "Custom Installation and Utilities..."
- c. Choose option 3 "SAS Installation Utilities"
- d. Finally, choose option 2 for "Apply Special Technical Support Fixes (Supplied with SAS Notes)"

These steps will apply your newly installed maintenance fixes to your appropriate SAS products. After you have chosen "Apply Special Technical Support Fixes (Supplied with SAS Notes)" and your maintenance fixes are applied, your SAS Log should say 6.12 TS070.

Question 4:

I am installing The SAS System Release 6.12 TS070 under Solaris and I am wondering why I am receiving the following NOTE:

NOTE: You Seem to Have an Incomplete Dual Installation.
Please Follow Appendix A of The SAS 6.12 Installation Guide to
Complete your Dual Installation Process and then Re-Apply The
Technical Support Fixes Again.

finish_base exiting.....

Answer 4:

The SAS System's Installation Facility has examined your installation type and, based upon the information it has found, it seems to think you have a partial dual installation that will allow the SAS system to run under SUN4 and Solaris2 machines.

To correct this NOTE, use Appendix A of *The SAS 6.12 Installation Guide* to complete your dual installation. These are the steps to follow:

- a. Choose Option 2 “Invoke Custom Installation and Utilities”
- b. Choose Option 2 “Invoke Product Specific Configuration”
- c. Choose Option 3 “Solaris 2 Installation”
- d. Finally, choose Option 3 “Dual Install Solaris 2 with Solaris 1 Image”

After you have followed these steps, you will need to choose “Apply Special Technical Support Fixes (Supplied with SAS Notes)” again to apply the appropriate maintenance fixes for your products that you have installed.

Question 5:

I have installed the SAS System with the products that I have licensed. One of the products that I have licensed is GIS. I understand that there is a GIS upgrade that I have to install in addition to my normal GIS product. I also notice that there are maintenance fixes for GIS under SAS 6.12 TS070. Which should I install first, the GIS upgrade or the maintenance for GIS?

Answer 5:

You would have to install the GIS upgrade first and then apply the maintenance for GIS found in SAS 6.12 TS070. Once the GIS upgrade is installed, it will create a directory called !SASROOT/add_on. The installation facility looks for this !SASROOT/add_on directory when applying the maintenance for GIS, so it has to be there.

Question 6:

I am in the process of installing the SAS System in my HP-UX workstation, and during the installation I receive the following error messages in my UNIX window. What do they mean and how do they affect my installation?

```
Now installing Tech Support Fix Number TS070_BASE
```

```
cp: cannot create /usr/local/sas612/sasexe/base/sasdatec: Permission
denied
```

```
Error: Could not add
      /usr/local/sas612/sasexe/base/sasdatec
```

Answer 6:

When the SAS System for HP-UX is installed under a workstation running HP-UX 9.x or HP-UX 10.x, SAS executables under the !SASROOT/sasexe directories must have 555 permissions (i.e., r-xr-xr-x) or SAS users will notice a performance degradation. This causes a problem when the new maintenance fixes are applied during the installation because there are some SAS executables that need to be overwritten during the maintenance process. Before starting the installation process, the person installing the SAS System needs to perform the following command to turn the write bit on for the SAS executables:

```
cd !SASROOT/sasexe
find . -type f -exec chmod 755 {} \;
```

And once the update has been completed, execute this command:

```
cd !SASROOT/sasexe
find . -type f -exec chmod 555 {} \;
```

Your SAS System Release 6.12 Alert Notes, which were shipped with your installation of the SAS System, and SAS Note V6-SYS.SYS-B145 document this problem.

Question 7:

I am in the process of installing SAS 6.12 TS070 under AIX. While applying the new TS070 maintenance fixes, I receive the following error message:

```
Applying Tech Support Fixes supplied with the Usage Notes...

Now installing Tech Support Fix Number TS070_BASE
cp: /usr/local/sas612/sasexe/base/sassetin: Text file busy
Error: Could not add
/usr/local/sas612/sasexe/base/sassetin
```

What could be causing this?

Answer 7:

Before the TS070 maintenance fixes are applied, some SAS executable modules are loaded into memory to perform earlier steps in the process. After these steps are complete, there may be some maintenance fixes that will be overwritten during the maintenance process. If this is the case, the AIX operating system will not allow the replacement of the executable because it has the executable module loaded into kernel memory.

To fix this and complete your installation, exit the `sasmanager` installation utility and return to your UNIX shell prompt. Then ask your Systems Administrator to use a command called `/usr/sbin/slibclean` to unload any unused modules from kernel or library memory.

Another work around for the above error message, after you have exited your `sasmanager` installation utility and returned to your UNIX shell prompt, is to follow the steps below:

```
cd /usr/local/sas612/sasexe/base
mv sassetin sassetin.orig
cd ../../
```

After using `/usr/sbin/slibclean` or renaming the existing `sassetin` executable “`sassetin.org`,” perform the following steps from the `sasmanager` installation utility again. This will promote your SAS 6.12 TS070 fixes:

```
SAS System Installation Manager:
* 1. Load Software from Media...
  2. Invoke Custom Installation and Utilities...
  3. Exit SAS Installation Manager
   (Enter h for help)
Action ? [1] 2
```

```
SAS System Custom Installation and Utilities:
* 1. Invoke Custom Installation Facility...
  2. Invoke Product Specific Configuration...
  3. Invoke SAS Installation Utilities...
```



```
(4. Invoke SAS Maintenance Utilities...)  
5. Go Back  
  (Enter h for help)  
Action ? [1] 3
```

SAS Installation Utilities:

```
* 1. Create SAS config and autoexec files  
  2. Apply Special Tech Support Fixes (supplied with SAS Notes)  
  3. Patch SAS Binary with Installed Directory  
  4. Apply SAS Setinit Information  
  5. Invoke SAS Installation Tests  
  6. Uncompress Maps Datasets  
  7. Go Back  
    (Enter h for help)  
Action ? [1] 2
```

Government Notice

If you are a government site, information specific to your site is extracted during the product installation phase of the installation procedure and put into the `!SASROOT/misc/notice` file.

It is important that you read this file, and that you make other users at your site aware of this information. To have the government notice automatically display in the SAS log, issue the following UNIX command:

```
cat !SASROOT/misc/notice >> !SASROOT/misc/base/news
```

This will append the government notice file onto the existing news file. The default configuration file uses the `-news` option to specify that this file is displayed in the log after each invocation of the SAS System.