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## Dear Readers,

SAS Global Forum 2007 is still seven months away, but that doesn't mean you're stuck for the remainder of the year without training and networking opportunities. Check out the list of regional users group meetings held in the US under *Webcasts and Events*. These meetings are held throughout the country during the fall. If you don't see one in your area, check out the [full listing on conferences](#).

*Thanks for your dedication to SAS!*

A handwritten signature in black ink that reads "Shelley Sessoms".

**[Shelley Sessoms](#)**

Editor, *SAS Tech Report*

## Troubleshooting SAS Intelligence Servers, Part 2

The following tip lists objects, names and locations, including descriptions and notes, to help you troubleshoot your environment for Share, OLAP and Connect servers and the Portal.

### Share Server

- a. sasv9\_ShareServer.cfg -  
C:\SAS\`<configdir>`\Lev1\SASMain\ShareServer  
Share Server main configuration file. It calls sasv9.cfg in  
C:\SAS\`<configdir>`\Lev1\SASMain
- b. libraries.sas - C:\SAS\`<configdir>`\Lev1\SASMain\ShareServer  
File used to pre-allocate SAS libraries for the SAS/Share Server.  
The Share Server must be restarted to pick up changes or additions  
to this file.
- c. shareServer#d#b#y.log -  
C:\SAS\`<configdir>`\Lev1\SASMain\ShareServer\logs  
A new log file is created each day that the server is used due  
to the rollover=auto option in the configuration file.

### OLAP Server

- a. sasv9\_OLAPServer.cfg - C:\SAS\`<configdir>`\Lev1\SASMain\OLAPServer\  
OLAP Server main configuration file. It calls sasv9.cfg in  
C:\SAS\`<configdir>`\Lev1\SASMain
- b. OLAPServer#d#b#y.log -  
C:\SAS\`<configdir>`\Lev1\SASMain\OLAPServer\logs  
A new log file is created each day the server is used due to the  
rollover=auto option in the configuration file.

### Connect Server

- a. OMRConfig.xml - C:\SAS\`<configdir>`\Lev1\SASMain\ConnectServer  
Connect Server's main configuration file. Called by  
SASAPP\ConnectServer\ConnectServer.bat. This file contains login  
credentials for the trusted user and the name of the metadata  
server machine. The Connect server must be stopped and restarted  
to pick up changes to this file.
- b. sasv9.cfg - C:\SAS\`<configdir>`\Lev1\SASMain\  
C:\SAS\`<configdir>`\Lev1\SASMain\ConnectServer\  
StartConnectServer.bat calls  
C:\SAS\`<configdir>`\Lev1\SASMain\ConnectServer\  
ConnectServer.bat which calls  
C:\SAS\`<configdir>`\Lev1\SASMain\sasconnect.bat which calls  
C:\SAS\`<configdir>`\Lev1\SASMain\sas.bat which calls  
C:\SAS\`<configdir>`\Lev1\SASMain\sas\_internal.bat which references  
this configuration file.
- c. spawner.log - C:\SAS\`<configdir>`\Lev1\SASMain\ConnectServer\logs  
Connect Spawner log file

### Portal

- a. configure\_wik.bat - C:\Program Files\SAS\Web\Portal2.0.1  
Creates the Portal.war, SASStoredProcess.war, and sasweb.war files  
and obtains its properties from install.properties.
- b. Portal.war - C:\SAS\`<configdir>`\Lev1\web\webapps\  
c. system.properties.config -  
C:\SAS\`<configdir>`\Lev1\web\Deployments\Portal
- d. login.conf - C:\SAS\`<configdir>`\Lev1\web\Deployments\Portal  
Metadata server access information
- e. logging\_config\_idp.xml -

- C:\SAS\<<configdir>\Lev1\web\Deployments\Portal  
Log4j file for logging the Portal. Logs are written to portal.log.
- f. logging\_config\_stp.xml -  
C:\SAS\<<configdir>\Lev1\web\Deployments\Portal  
Log4j file for logging the Stored Process Web Application  
Portlet. Logs written to stp.log
  - g. logging\_config\_prefs.xml -  
C:\SAS\<<configdir>\Lev1\web\Deployments\Portal  
Log4j file for logging the SAS Preferences application. Logs  
written to prefs.log
  - h. portal.log - C:\SAS\<<configdir>\Lev1\web\Deployments\Portal\logs  
Portal log file
  - i. stp.log - C:\SAS\<<configdir>\Lev1\web\Deployments\Portal\logs  
Stored Process Web Application log file
  - j. prefs.log - C:\SAS\<<configdir>\Lev1\web\Deployments\Portal\logs  
SAS Preferences log file

[SN-013078](#) SAS Intelligence environment log and configuration Files to assist you in troubleshooting (part I)  
(SAS Software Navigator, Configuration Wizard, Metadata Server, Object Spawner, Workspace Server, Stored Process Server, and Batch Server)

[SN-013087](#) SAS Intelligence environment log and configuration Files to assist you in troubleshooting (part III)  
(SAS Services Application, Web Report Studio, Web Report Viewer, LSF, and JobScheduler)

[SN-013135](#) SAS Intelligence environment log and configuration files to assist you in troubleshooting (part IV)  
(Xythos, Java client applications, SAS Management Console, ETL Studio, Enterprise Miner, Information Map Studio, OLAP Cube Studio, Campaign Management Studio, and SAS Add-in for Microsoft Office)

**Product:** Base SAS  
**Component:** Installation  
**Priority:** N/A  
**Note Type:** Usage Issue  
**Date:** Fri, 11 Aug 2006

## Operating System and Source Fix Information

System	Release Reported	Release Fixed
Windows NT	9.1.3 TS1M3	
Windows 2000 Datacenter Server	9.1.3 TS1M3	
Windows 2000 Professional	9.1.3 TS1M3	
Windows Server 2000 family	9.1.3 TS1M3	
Windows Server 2003 family	9.1.3 TS1M3	
Windows XP	9.1.3 TS1M3	

Unless otherwise stated above, no fixes are available for this issue.

## **SAS® Risk Dimensions®: Dynamic Risk Factor Modeling Methodology**

In an uncertain world, the field of risk management needs a dynamic methodology to account for non-normally distributed risk factors. Dynamic Risk Factor Modeling can provide a clearer understanding of the actual risks in the portfolio.

**Read more in this PDF document:**

<http://www.riskadvisory.com/pdfs/sasriskdimensionsriskfactor.pdf>

## **Creating *AND* Importing Multi-Sheet Excel Workbooks the Easy Way with SAS**

SAS software developer Vince DelGobbo has written another user-friendly paper on a topic that is important to many SAS users—moving data between SAS and Microsoft Excel. "Creating *AND* Importing Multi-Sheet Excel Workbooks the Easy Way with SAS" discusses how you can take advantage of the XML support in Base SAS 9.1 and Microsoft Excel 2002 (Excel XP) or later. DelGobbo's paper was well received at SUGI 31 and PharmaSUG 2006, and he has been invited to many SAS user group meetings to talk about the process.

"Because so many SAS users need to move their SAS output into Excel we wanted to come up with a simple method that anyone could use" said DelGobbo. He worked with SAS developer Eric Gebhart to create the ExcelXP ODS tagset, which is used to export SAS output to Excel. Since the late 1990's, DelGobbo has been working on using SAS/IntrNet and Base SAS software to integrate SAS output with Microsoft Excel and Word, and Gebhart is an expert on ODS tagsets. The techniques presented in this recent paper are the confluence of these technologies.

A key advantage to using the ExcelXP tagset is that it works even if SAS and Excel reside in different locations. You just need to move the SAS output to a location where Excel can access it.

### **Approach Easily Addresses Customer Needs**

DelGobbo's new approach answers a critical need. "Even with all of the complex data systems in use today, programmers and statisticians in the pharmaceutical industry continue to use Excel as the common denominator format in their collaborations with data providers and data consumers," says Jennifer Lester, PharmaSUG 2006 Hands-On Workshop co-chair. "The latest techniques presented here by Vince enable SAS users to do this more efficiently and painlessly than ever before."

In his paper, DelGobbo outlines how to create multi-sheet Excel workbooks that contain your SAS output, without the need to "hand edit" the results in Excel. The paper also explains how to convert your own multi-sheet Excel workbooks to SAS tables. The techniques described in the paper can be used regardless of the operating environment that SAS software is running on, including Windows, UNIX, OpenVMS, and z/OS.

Customers attest that the techniques that DelGobbo has developed work. "Vince's Hands-On-Workshop for us at PharmaSUG was received extremely well," says Brian Shilling, PharmaSUG 2006 Hands-On Workshop co-chair and Manager, Clinical Programming, for BioCor, LLC. in Yardley, PA. "His solutions for importing and exporting SAS data to Excel are very user-friendly, and the examples used by participants were concise and very well presented. Vince has taken the guess work and back-end Excel editing out of this very useful process."

### **Attend a Workshop or a Talk**

DelGobbo has been asked to present this topic at the following meetings:

- Social and Scientific Systems In-house SAS Users Group on June 14, 2006
- Windy City SAS Users Group on July 31, 2006
- Northern Illinois SAS Users Group on August 1, 2006
- JC Penney In-house SAS Users Group on August 18, 2006

- Utah Users of SAS Software on November 2, 2006
- Hartford Area SAS Users Group on November 9, 2006
- Northern Texas SAS Users Group on November 13, 2006
- Tarrant County SAS Users Group on November 14, 2006
- Boston Area SAS Users Group on December 5, 2006
- Toronto Area SAS Society on December 8, 2006

He will conduct a Hands-On Workshop for the Abt Associates In-house SAS Users Group on December 6, 2006, and have Hands-On Workshops and talks at the conferences for the Southeast SAS Users Group, South Central SAS Users Group, Northeast SAS Users Group, Midwest SAS Users Group, Pacific Northwest SAS Users Group, and the Western Users of SAS Software in the fall of 2006.

### **Get the Paper**

If you want to read DelGobbo's latest paper or download the sample programs, see [support.sas.com/saspresents](http://support.sas.com/saspresents). Under the heading "SAS Presentations at SUGI 31", scroll to the entry "Creating *AND* Importing Multi-Sheet Excel Workbooks the Easy Way with SAS".

Any registered, in-house, or local SAS users group can request a presentation for their meeting. If you would like to have this presentation as your annual SAS presentation at an upcoming meeting, please submit a request at least eight weeks before your meeting and use the [online User Group Request Form](#).

## **A Look at Helen Carey and Ginger Carey SAS® Silver Circle Winners**

### **The Carey Sisters get in on the ground floor with SAS**

Helen Carey was excited when she saw a SAS software demonstration by Dr. Jim Goodnight at North Carolina State University in 1973. She was visiting the institution from the University of Hawai'i (UH), where she worked in computer services.

Goodnight, SAS founder and CEO, was working at NC State, developing a statistical analysis system. Three years later, Goodnight moved to a small space above a garage and began privately marketing software products, so Helen was introduced to SAS software before SAS existed as a business institution.

When Helen returned to UH, she told her manager about the new software. "I was very excited to learn that UH could get the software for \$50," Helen said. "I told my manager that we must get it, but this request was turned down because we already had SPSS."

The next year, Helen and her manager met John Sall, co-founder and Executive Vice President of SAS, at an IBM Share conference. "He explained that we could get the software for \$1 because we were a land grant college," Helen said. Sall sold her manager on getting SAS for a buck, so UH became an early user of SAS software, and Helen had a chance to learn and grow along with the company, which was officially established in 1976.

### **College class shapes a future**

Helen became interested in computers during her undergraduate years at Winthrop College in Rock Hill, SC. She took a computing course on assembler language. "Winthrop didn't even have a computer at that time, so solutions to problems were written out and graded," said Helen.

Building on her introduction to and interest in computer technology, Helen accepted a graduate teaching assistantship at Western Michigan University where she completed an MA in mathematics. In addition to teaching a Fortran programming class, she was also tasked with operating the computer at the campus computer center.

### **The sisters move to Hawaii and land jobs at the UH**

After graduating from college, Helen and her sister Ginger, moved to Hawai'i, where their older sister and family lived. Within a month, Helen took a position at the University of Hawai'i Computing Center. Three years later, Ginger joined the UH staff in the Analytical Studies Office and later joined her sister in the Computing Center.

Helen and Ginger enjoyed both working with and learning about new software solutions and giving hands-on assistance to the campus community.

"I started using SAS to help faculty, staff and students as part of their research or statistics classes," said Helen. "When SAS/GRAPH became available, I was ecstatic. It was so much easier to use it to create graphs than using Fortran and Calcomp plotter subroutines."

In addition to providing classroom and faculty/staff support, Helen designed and wrote the SAS programs for CAFE, a campuswide course and faculty evaluation system, 16 years ago.

“Those same SAS programs are used today, though they have been migrated from the IBM mainframe with line printers to a PC with laser printers,” Helen noted.

At the beginning of Ginger’s SAS career, she installed the SAS software on the Computing Center’s IBM mainframe. Ginger provides technical support for campus SAS users, as well as writes in-house documents and teaches SAS workshops.

“Helping SAS users means that every day I am doing what I enjoy doing,” Ginger said. “SAS users are some of the nicest people I know. The SAS users I help are grateful, and they want to learn more about SAS.”

Ginger continues to work full-time in the UH Information Technology Services (ITS) office. She has enough years served to retire with full benefits, so she’s been thinking about her future. She hasn’t made any firm decisions, but she said, “I’ll always be involved in teaching and learning.”

Helen has retired from the university and now works for a dental insurance company analyzing data using SAS. She also does consultation work at UH, including analyzing surveys distributed in the middle and high schools to determine youth risk behavior.

### **Touching base with fellow SAS users – Educational and fun**

Ginger first became involved with SAS users groups when she attended SUGI 13 (SAS Users Group International) in Orlando, FL. Helen joined her sister the next year for SUGI 14 in San Francisco, CA. Ginger has missed only one SUGI conference (now renamed SAS Global Forum) since her first, and Helen has been able to attend every year.

“Technology is always changing. It is important to keep learning, to see the latest products and to learn about the services,” said Ginger. “The easiest way to do this is to attend SAS conferences.”

When SUGI 17 was scheduled for Hawai’i in 1992, the sisters organized the Hawai’i SAS users group. The next year at SUGI, the duo wrote presented a paper they co-wrote. Since that time, the sisters have been actively involved in local, regional and international conferences.

“We promote volunteering at SAS conferences because we find that you really get more out of the conference when you are involved,” said Ginger.

The sisters have been section chairs at SUGI and WUSS (Western Users of SAS Software) conferences and have presented papers and taught SAS classes from Hawai’i to the United Kingdom. Ginger was the conference co-chair at WUSS ’95.

Helen and Ginger typically work as a team. “We divide the paper or class into sections that each one works on separately,” said Helen. “If one of us gets tired or stuck with a particular section, the other can take over for a while.”

## **Building a book – a wonderful experience**

When Helen and Ginger put together the SUGI 18 presentation, they wanted to build on the conference year number theme. Eighteen tips seemed a bit skimpy, so they decided to put together 180 tips for SAS users. With only 20 minutes to present information, the sisters were unable to present even half the tips. They still won the best contributed paper award in the Training and User Support section.

The manager of the SAS Books by Users program spoke with the sisters at the conference. He touched base again a couple of years later and suggested that Helen and Ginger send in a proposal for *SAS Today! A Year of Terrific Tips*. The book was approved and went to print in 1996.

“Writing a book was a wonderful experience, which involved hard work, long hours, excitement and a great feeling of accomplishment,” said Ginger.

As always, working together on the project made the process easier.

“We helped motivate each other,” said Helen. “We’d throw out challenges such as we cannot go to a party the next weekend unless we finish a draft copy of so many tips. One time, I was finishing writing a tip on the dashboard of the car as Ginger drove to the party.”

## **Reflections on more than a quarter century of involvement with SAS**

Helen and Ginger both say that SAS has been a key part of their careers and lives. Being a sister team and involved with the software, both personally and professionally, has been a plus. “When with family and friends, we need to remember not to bore them (too much) by talking about computers and SAS,” said Ginger. Otherwise, the sisters move full steam forward and appreciate the opportunities that have come from being early computer enthusiasts and SAS software users.

Ginger said the highlights of her SAS involvement have included “doing work I enjoy doing, speaking in front of groups and writing a book.”

Being a Silver Circle winner is an honor, like “winning a lifetime achievement award,” she added.

Helen said, “Throughout the years, I have been constantly saying ‘Wow, look at what SAS can do now!’” When asked about her thoughts on being included as a Silver Circle winner, her response was simply, “Wow!”

## General Signon Steps for SAS/CONNECT®'s TCP/IP Access Method

Check out these simple steps designed to help you with SAS/CONNECT.

### I) Submit the following 3 statements:

1) `OPTIONS REMOTE=remote_hostname COMAMID=TCP;`

where `REMOTE_HOSTNAME` is:

- - the `REMOTE` node name, if 8 or less characters,  
OR
- - a macro variable, which was created using the `%LET` statement,  
that contains the remote IP address or node name.

`%LET MYNODE=remote_internet_address;`

```
example:  %LET MYNODE=XXX.XX.XX.XX;
          (where mynode can be any name of your choice)
          (and xxx.xx.xx.xx is the actual remote IP address)
          (NOTE: There are no quotes around the IP address)
```

Then submit:

```
OPTIONS REMOTE=MYNODE COMAMID=TCP;
          (where mynode is the macro variable name created)
          (with the %let statement)
```

(NOTE: Do NOT insert an ampersand before the macro variable.)

2) `FILENAME RLINK '!SASROOT\CONNECT\SASLINK\TCPxxx.SCR';`

where `!SASROOT` is the SAS directory and  
`TCPxxx.scr` is the TCP script file being used.

Sample script files are located in the `!SASROOT\CONNECT\SASLINK`  
subdirectory.

```
EXAMPLE: FILENAME RLINK 'C:\SAS\CONNECT\SASLINK\TCPVMS.SCR';
```

Sample scripts are:

```
For windows remote hosts - TCPWIN.SCR
For mvs remote hosts - TCPTSO.SCR
For unix remote hosts - TCPUNIX.SCR
```

3) `SIGNON;`

### II) If the SAS/CONNECT Signon fails perform the following steps:

1) Invoke SAS and submit the following statements:

```
OPTIONS REMOTE=MYNODE COMAMID=TCP SET=TCPDEBUG 30;
FILENAME RLINK '!SASROOT\CONNECT\SASLINK\TCPxxx.SCR';
SIGNON;
```

2) A TCPDEBUG.DAT file will be created in the SAS directory. In order to determine the problem area in the SAS/CONNECT session, please send the SAS log and TCPDEBUG.DAT file via email to support@sas.com.

## Reading Multiple Files with PROC IMPORT

Read multiple files using PROC IMPORT without having to run the code manually for each file.

```
/* Specify the path that you want to read ALL files from, so to test, */
/* create test data in a folder all by itself */

/* Create external file EXTFILE1 */

data _null_;
  file 'c:\junk\extfile1.txt';
  put "05JAN2001 6 W12301 1.59 9.54";
  put "12JAN2001 3 P01219 2.99 8.97";
run;

/* Create external file EXTFILE2 */

data _null_;
  file 'c:\junk\extfile2.txt';
  put "02FEB2001 1 P01219 2.99 2.99";
  put "05FEB2001 3 A00901 1.99 5.97";
  put "07FEB2001 2 C21135 3.00 6.00";
run;

/* Create the external file EXTFILE3 */

data _null_;
  file 'c:\junk\extfile3.txt';
  put "06MAR2001 4 A00101 3.59 14.36";
  put "12MAR2001 2 P01219 2.99 5.98";
run;

/* Read all filenames and put them into macro variables. The &FNAME variables
store */
/* the names of the files only and &PEXT variables store the names of the
files and */
/* the extensions.
*/

filename blah pipe 'dir C:\Junk /b';

data _null_;
  infile blah truncover end=last;
  length fname $20;
  input fname;
  i+1;
  call symput('fname' || trim(left(put(i,8))), scan(trim(fname),1, '.'));
  call symput('pext' || trim(left(put(i,8))), trim(fname));
  if last then call symput('total', trim(left(put(i,8))));
run;

/* Within a macro, run the PROC IMPORT code so that each filename is placed
into */
```

```
/* the code appropriately. The PROC PRINT in the macro is just to show the
*/
/* results for testing purposes, and can be removed later.
*/

%macro test;
  %do i=1 %to &total;
    proc import datafile="c:\Junk\&&pext&i"
      out=work.&&fname&i
      dbms=dlm replace;
    delimiter=' ';
    getnames=no ;
    run;

    proc print data=work.&&fname&i;;
    title &&fname&i;
    run;
  %end;
%mend;

/* Invoke the macro */

%test
```

## Webcasts and Events

### [Data Mining Web Series: Customer Lifetime Value](#)

**Wednesday, Sept. 13**

**1:00 p.m. ET**

Find out how to retain and acquire customers, improve the customer experience and increase shareholder value.

### [SESUG](#)

**Oct. 8-10**

**Atlanta**

You'll find top-notch presentations and many opportunities to network with other SAS users, developers and SAS staff.

### [SCSUG](#)

**Oct. 15-17**

**Irving, TX**

Come learn and network with other SAS users in a stimulating yet relaxed, environment.

### [SAS Forum Adriatic Region 2006](#)

**Oct. 17-18**

**Ljubljana, Slovenia**

Join this region's largest business intelligence conference, where business, professional and IT worlds meet to gain and share knowledge.

### [MWSUG](#)

**Oct. 22-24**

**Detroit**

Enhance your skills as a SAS professional through an intensive series of paper presentations, workshops, and optional pre- and post-conference training seminars.

### [PNWSUG](#)

**Oct. 29-31**

**Seaside, OR**

Be among the scores of SAS users to benefit from the knowledge exchange, networking and training at this year's conference.

### [Inside SAS: Spotlight on Delivering Business Intelligence](#)

**On-Demand Web Seminar**

Hear from BI visionary Claudia Imhoff as she answers the fundamental questions you should ask before embarking upon a successful BI implementation.