INSTALLATION INSTRUCTIONS FOR HOT FIX 321ORV04 ON WINDOWS

BEFORE DOWNLOADING:

The hot fix 321ORV04 addresses the issue(s) in SAS OpRisk VaR Software 3.2.1 on WINDOWS as documented in the "Issue(s) Addressed" section of the hot fix download page:

> http://ftp.sas.com/techsup/download/hotfix/orv321.html#321orv04

IMPORTANT NOTE(S):

1. You must have SAS OpRisk VaR 3.2.1 installed on your system before applying this hot fix.

2. It is always recommended that a backup of the original files be made whenever deploying any patch.

3. You must have Administrator Privileges on your CLIENT or SERVER machine.

4. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix.

5. This hot fix should be installed using the same userid who performed the initial SAS OpRisk VaR 3.2.1 installation.

INSTALLATION:

The hot fix package downloaded is a self extracting executable named *321orv04wn.exe*.

Launch *321orv04wn.exe*, which will extract two files into C:\321orv04.

The two files extracted are:

> Orv321srv.exe
> > contains SAS OpRisk VaR 3.2.1 back-end server updates

> orajavcln_win.exe
> > contains SAS OpRisk VaR 3.2.1 client updates

Each individual hot fix installer should be copied to the appropriate machine(s) where the components to be updated are installed.

Use the instructions below to update the individual components that are applicable to your implementation.

Installing orv321srv.exe

1. Launch *orv321srv.exe*. This will initiate the installation wizard, which will guide you through the setup process. The installation process will install the updated files to the SAS OpRisk VaR 3.2.1 back-end server.

The components to be installed are:

SAS OpRisk VaR Macro Updates   .sas file listed below

The macro updates (.sas files) will not overwrite macros in your <sasroot>\orvar\ucmacros environment that have a date greater than the hot fix macro date. At the end of the installation, review the Hot Fix Information box to insure that there are no macros that did not copy (File Not Copied).

2. To verify the installation of the hot fix confirm that the file in the location below has been updated to the level indicated by the date provided:

   <sasroot>\orvar\ucmacros\orvr_fitting.sas
       Date: 09/17/08 (EST)

NOTE:

 The installation renames existing SAS macros replaced by the hot fix in <sasroot>\orvar\ucmacros with a *.sas.000 extension. This is for your convenience and serves as a backup in the event site specific changes were made to existing macros.

Installing orvarjavacln.exe

1. Technical Support strongly suggests that you back up the files being replaced by this hot fix. You should always try to include the current date in the name of the backup file created to distinguish between versions of backup files. By doing this you will maintain a history of the file, which will be helpful when multiple iterations of a hot fix have been applied to the same file.

For example,

   cp sas.foo.jar sas.foo.jar.08012008

where 08012008 is the date when the hot fix is applied.

The .<date> extension MUST be appended AFTER the .jar extension as it appears above to avoid unexpected results due to jar mismatching.

The files that should be backed up for this hot fix are listed in Step #3 below.

2. Launch *orvjavacln.exe*. This will initiate the installation wizard, which will guide you through the setup process. The installation process will install the updated files to the SAS OpRisk VaR 3.2.1 client.

3.   To verify the installation of the hot fix confirm that the file(s) in the location(s) below have been updated to the level indicated by the date provided:

    <!SASHOME>/SASOpRiskVar/3.2/lib/sas.oprisk.var.jar
    Date: 12/02/08 (EST)

This completes the installation of hot fix 321orv04 on WINDOWS.