Installation Instructions for Hot Fix M33003

Hot fix **M33003** addresses the issue(s) in *SAS Credit Risk Management for Banking 4.8* as documented in the *Issue(s) Addressed* section of the hot fix download page:

http://ftp.sas.com/techsup/download/hotfix/HF2/M33.html

M33003 is a "container" hot fix that contains the following "member" hot fixes which will update the software components as needed.

M27003 updates **SAS Credit Risk Studio Mid-Tier 4.8**
M28002 updates **SAS Credit Risk Management for Banking Server 4.8**
M29002 updates **SAS Credit Risk Management for Banking Server Configuration 4.8**
M31001 updates **SAS Risk Reporting Repository 2.2**

See What is a container hot fix? in the Hot Fix FAQ for more information about container hot fixes.

MANDATORY ACTION REQUIRED PRIOR TO APPLYING THIS HOT FIX:

A **REQUIRED** update to the SAS Deployment Manager (SDM) is available which will allow this hot fix to be configured automatically after it is applied to your system. Please see Installation Note 52417 for information on downloading and applying this SDM update.

Before applying this hot fix, follow the instructions in SAS Note 35968 to generate a SAS Deployment Registry report, then verify that the appropriate product releases are installed on your system. The release number information in the Registry report should match the 'member' release number information provided above for the software components installed on each machine in your deployment.

The hot fix downloaded, M33003pt.zip, includes the updates required for all components listed above on all applicable operating systems. To apply this hot fix on multiple machines, you can either save M33003pt.zip on each machine or save it in a network location that is accessible to all machines.

Do NOT extract the contents of M33003pt.zip. The hot fix installation process will extract the contents as needed.

IMPORTANT NOTES

1. Files delivered in this hot fix will be backed up during the installation process. However, it is good general practice to back up your system before applying updates to software.
2. You must have Administrator Privileges on your CLIENT or SERVER machine.
3. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix.
4. This hot fix should be installed using the same userid who performed the initial software installation.

INSTALLATION

Hot Fix M33003 must be installed on each machine where the updated components of the product, listed above, are installed. During the installation process you may see references to all operating systems for which updates are provided in the hot fix. The installation process will determine the operating system and which component(s) of SAS Credit Risk Management for Banking 4.8 require updating on the machine. See SAS Note 44810 for more details.

The hot fix will be applied using the SAS Deployment Manager (SDM). By default, the SDM will search in the *<SASHOME>/InstallMisc/HotFixes/New* directory for hot fixes to be applied, but will also prompt for a location if you have downloaded hot fixes to a different directory.

After downloading M33003pt.zip, follow the instructions for applying hot fixes in the **SAS Deployment Wizard and SAS Deployment Manager 9.3: User's Guide**.

The hot fix installation process generates the log file

<!SASHOME>/InstallMisc/InstallLogs/IT_date-and-time-stamp.log

for example, IT_2011-10-31-13.18.21.log. Each attempt to apply a hot fix results in the creation of a new log file giving detailed information regarding the installation process.

Postexec log files are created after the installation is completed and identifies the files that were added, backed up, changed and removed. These log files include the 'member' hot fix id in the name of the file and are also written to the *<!SASHOME>/InstallMisc/InstallLogs* directory. There is one postexec log for each 'member' hot fix applied (member hot fixes are listed at the top of these instructions).

The content of this hot fix is listed in the [hot fix manifest](#).

POST-INSTALLATION INSTRUCTIONS

[M27003](#) updates **[SAS Credit Risk Studio Mid-Tier 4.8](#)**
[M28002](#) updates **[SAS Credit Risk Management for Banking Server 4.8](#)**
[M29002](#) updates **[SAS Credit Risk Management for Banking Server Configuration 4.8](#)**
[M31001](#) updates **[SAS Risk Reporting Repository 2.2](#)**

M27003 updates SAS Credit Risk Studio Mid-Tier 4.8

Re-build and Re-deploy Web Application

This hot fix requires that the WebApp be rebuilt and redeployed. Use the following steps to perform this post-installation task:

Step 1: Re-build Web Application

In order for this step to execute correctly, the Metadata Server must be running.

1.1 Invoke the SAS Deployment Manager 9.3

From the SASDeploymentManager directory launch **sasdm.sh**.
SAS Deployment Manager is installed in the following default location:

<SASHOME>/SASDeploymentManager/9.3

1.2 Select a language in the *Choose Language* box
1.3 Select Rebuild Web Applications
1.4 Select Configuration Directory or Enter the Configuration Directory and Level that needs to be updated
1.5 Specify Connection Information, including the *sasadm* User ID and Password
1.6 Select *SAS Credit Risk Management for Banking 4.8* as the Web Application to Rebuild
1.7 Verify the information on the Summary screen and select Start
1.8 Select Finish when the deployment is complete

This process will update the *SAS Credit Risk Management for Banking* ear in
<SASCONFIGDIR>/Web/Staging.
A backup of the original ear file will be placed in the directory below:

<SASCONFIGDIR>/Web/Staging/Backup

Step 2: Re-deploy Web Applications

Re-deploy the web applications based on the instructions for the web application server you are using.

M28002 updates SAS Credit Risk Management for Banking Server 4.8

Note: If you have already installed CRMB 4.8 hot fix container M33001, skip to instructions for "Update to static data in CRMB SDM" below:

Update to SAS Macro files:

Move the following files from <SASCONFIG>/Applications/SASCreditRiskMgmtBankSrvr4.8/ucmacros/common to <!SASROOT>/ucmacros/risk :

rdcube_generate_cube_code.sas
rdcube_generate_im_code.sas
rdcube_get_object_in_tree.sas
rdcube_get_tree_uri.sas
rdcube_main.sas
rdcube_verify_object_in_tree.sas

Create/update CRMB SDM:

- Take a **backup** of your **existing data mart**
- Run **load_sample_data.sas** located in
  `<SASCONFIG>/Applications/SASCreditRiskMgmtBankSrvr4.8/omr/data`.
  This will create the SDM tables as well as load sample data

  If you already have existing business data, load it to the new data mart

Import the ETL Flows:

Complete the following tasks to manually import the ETL bridge component and create the metadata for the same.

1. Go to the `<SASHome>/SASFoundation/9.3/misc/criskmmva/ETL/packages` directory.
2. Use a SAS import utility (SAS Management Console 9.3 or the SAS Data Integration Studio) to import the crmb_etl_bridge.spk package file located in the above folder. **Note:** These package files are dependent on the metadata of the SAS Detail Data Store for Banking 4.7 Hot Fix, which must be installed before you begin the import process. For

more information about how to install and schedule the jobs, see the section on "ETL Job Deployment" in Chapter 4 of the *SAS Credit Risk Management for Banking Server: Administrator's Guide.*

Note: If you have already installed hot fix container M33002, skip the section below

Update to static data in CRMB SDM:

Update the folder path in the libname declaration below and execute the following code snippet:

```sas
/***********************************************/
Libname crmbstat '<path to static library>;

proc sql;

insert into CRMBSTAT.REGULATORY_PARAMETER (
REGULATORY_PARAMETER_NM ,REGULATORY_PARAMETER_SET_ID ,PARAMETER_VALUE
,REGULATORY_PARAMETER_DESC ,APPROACH_TYPE_CD ,PARAMETER_CURRENCY_CD
)
VALUES('SME_CPTY_LIMIT','CRD4',1500000,'The upper limit of aggregate exposure
to one obligor or group of connected obligors to be eligible for SME capital
dedution treatment (in Euros) : CRR Article 501(c)','ALL','');

update CRMBSTAT.REGULATORY_PARAMETER
set   REGULATORY_PARAMETER_DESC = 'The upper limit of aggregate exposure to
an obligor or a group of connected obligors to be eligible in regulatory
retail portfolio (in Euros) : CRR Article 123(c)'
where       REGULATORY_PARAMETER_NM =  'STD_RETAIL_CPTY_ABS_LIMIT'
and   REGULATORY_PARAMETER_SET_ID = 'CRD4'
and   APPROACH_TYPE_CD = 'STD';

quit;
/***********************************************/
```

M29002 updates SAS Credit Risk Management for Banking Server Configuration 4.8

NONE

M31001 updates SAS Risk Reporting Repository 2.2

For **RRR**,

- Take a **backup** of your **existing data mart**
- Go to following folder:

```
Windows: /rskrptrpsbk/sasmisc/programs
Unix: /misc/rskrptrpsbk/programs
```

- Copy file **run_createrr.sas.orig** to **run_createrr.sas**
- Edit the file **run_createrr.sas** and provide the path for **RRR** by replacing the token (@..@) in the following statement:

```
libname rrr "@data.riskrpt.dir@"
(e.g.
("<SASCONFIG>/AppData/SASRiskReportingRepository/2.2/report
mart")
```

- Run file **run_createrrr.sas** to create RRR tables

If you already have existing business data, load it to the new data mart

This completes the installation of hot fix **M33003**.