

Installation Instructions for Hot Fix M14002

Windows and Windows for x64

Hot fix **M14002** addresses the issue(s) in *Credit Scoring for Banking 5.2* as documented in the *Issue(s) Addressed* section of the hot fix download page:

<http://ftp.sas.com/techsup/download/hotfix/HF2/M14.html#M14002>

M14002 is a "container" hot fix that contains the following "member" hot fixes which will update the software components as indicated.

M12002 updates SAS Credit Scoring for Banking Server 5.2

S76001 updates SAS Credit Scoring for Banking Mid Tier 5.2

M15002 updates SAS Dynamic Analytical Base Table Server 5.4

M13002 updates SAS Foundation for Banking Server 5.2

See [What is a container hot fix?](#) in the Hot Fix FAQ for more information about container hot fixes.

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, M14002pt.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 M14002pt.zip on each machine or save it in a network location that is accessible to all machines.

Do NOT extract the contents of M14002pt.zip. The hot fix installation process will extract the contents as needed.

IMPORTANT NOTES

1. Before you apply the hot fix, make sure that you have performed all of the installation and post-installation steps that are described in the *SAS Credit Scoring for Banking 5.2: Administrator's Guide*.
2. The customizations done in any of the jobs/tables that are modified as part of this hot fix will need to be reapplied manually after the hot fix is applied.

3. 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. The following list is mandatory for this hot fix, which will allow you to restore your environment to the original status prior to having applied the hot fix:
 - a. Take a backup of SAS Metadata repository.
 - b. Take a backup of Application Data Mart that resides in MySQL database.
 - c. Take a backup of data at the following locations:

Foundation Mart - Refer to sub section Backing Up Data in Section Populating Foundation Mart in Part 3 in CSB 5.2 Admin Guide.

Credit Scoring Mart - Refer to sub section Backing Up Data in Section Populating Credit Scoring Mart in Part 3 in CSB 5.2 Admin Guide.

- d. Take a backup of deployed jobs at the following locations:

/Applications/SASBankingFoundation5.2/deployed_jobs/foundationmart

/Applications/SASCreditScoringBankingSrvr5.2/deployed_jobs/csmart

/Applications/SASCreditScoringBankingSrvr5.2/deployed_jobs/reportmart

4. You must have Administrator Privileges on your CLIENT or SERVER machine.
5. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix.
6. This hot fix should be installed using the same userid who performed the initial software installation.

INSTALLATION

Hot Fix M14002 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 Credit Scoring for Banking 5.2 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 M14002pt.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

For each product installed, click the link to be redirected to post-installation instructions.

[M12002 updates SAS Credit Scoring for Banking Server 5.2](#)

[S76001 updates SAS Credit Scoring for Banking Mid Tier 5.2](#)

[M15002 updates SAS Dynamic Analytical Base Table Server 5.4](#)

[M13002 updates SAS Foundation for Banking Server 5.2](#)

[M13002 updates SAS Foundation for Banking Server 5.2](#)

1. Importing ETL job metadata
 - a. Start SAS Data Integration Studio, and connect to the appropriate metadata server.
Note: Make sure that you are connected to the correct application server.
 - b. Go to the **Folders** tab.
 - c. Right-click on the /Products/SAS Foundation for Banking 5.2 metadata folder, then select **Import SAS Package**. The Import SAS Package wizard appears.
 - d. Use the Import SAS Package wizard to import the .spk file listed below. When importing the .spk file, on the first page of the Import SAS Package wizard, enter the physical location of the .spk file. Complete the tasks on the remaining pages of the Import SAS Package wizard using the default selections.

IMPORTANT NOTE:

The spk package below is applicable *only* if you are running SAS Detail Data Store for Banking 4.7. Please check your deployment registry report as described in [SAS Note 35968](#) to insure you are running this version of Detail Data Store prior to proceeding with the steps below. If you are running SAS Detail Data Store for Banking 4.6, or are not using SAS Detail Data Store, you should *not* perform the steps below.

Windows:

<SASHome>/SASFoundation/9.3/bankfdnsrv/sasmisc/config/Deployment/Packages/bankfdn_52_fm_jobs_1_hf1_DDS4.7.spk

UNIX:

<SASHome>/SASFoundation/9.3/misc/bankfdnsrv/config/Deployment/Packages/bankfdn_52_fm_jobs_1_hf1_DDS4.7.spk

Special Note:

This package will overwrite 104 existing DDS extract jobs.

- e. Follow steps a through c above to use the Import SAS Package wizard to import the following .spk file

IMPORTANT NOTE:

You should not perform these steps if you are not using SAS Detail Data Store for Banking. However, if you are using the detail data store, the following spk package is applicable for both SAS Detail Data Store for Banking 4.6 and 4.7.

Windows:

<SASHome>/SASFoundation/9.3/bankfdnsrv/sasmisc/config/Deployment/Packages/bankfdn_52_hf1.spk

UNIX:

<SASHome>/SASFoundation/9.3/misc/bankfdnsrv/config/Deployment/Packages/bankfdn_52_hf1.spk

Special Notes:

This package will overwrite below 8 existing jobs:

ACCOUNT_PRE_DETAIL
ACCOUNT_PRE_DIM
APPEND_ACCOUNTS
ACCOUNT_COUNTRY_DETAIL
CREDIT_FACILITY_PRE_DIM
FA_CUSXFA_FPA
FA_CUSXFA_L
RECOVERY_PRE_FACT

- f. Follow steps a through c above to use the Import SAS Package wizard to import the following .spk file

IMPORTANT NOTE:

You should not perform these steps if you are not using SAS Detail Data Store for

Banking. However, if you are using the detail data store, the following spk package is applicable for both SAS Detail Data Store for Banking 4.6 and 4.7.

Note: If you are using DDS 4.6, rename metadata folder DDS 4.6 (present at location /Products/SAS Detail Data Store for Banking) to DDS 4.7 for importing the spk mentioned below. After the import, rename it back to DDS 4.6. This can be done using SAS Data Integration Studio.

Windows:

```
<SASHome>/SASFoundation/9.4/bankfdnsrv/sasmisc/config/Deployment/Packages/bankfdn_52_hf2.spk
```

UNIX:

```
<SASHome>/SASFoundation/9.4/misc/bankfdnsrv/config/Deployment/Packages/bankfdn_52_hf2.spk
```

Special Notes:

This package will overwrite below 3 existing jobs:

```
CHANGED_ACCOUNTS  
APPLICATION_PRE_DIM  
CREDIT_FACILITY_PRE_DIM
```

- g. Navigate to and expand the metadata path /Products/SAS Foundation for Banking Server 5.2/Foundation Mart/Deployed Jobs.
 - i. Select all the jobs in the Deployed Jobs folder.
 - ii. Right-click on the selected jobs, and then select Scheduling -> Redeploy.
 - iii. Do not change the default selections in the Redeploy scheduled jobs dialog box. Click OK.
 - iv. File exists dialogue will be shown. Choose to Overwrite the deployed job physical file.
 - v. After the jobs are deployed successfully, ensure that the deployed job files are created in the deployment directory <SAS Configuration Directory>/Applications/SASBankingFoundation5.2/deployed_jobs/foundationmart) with new timestamp of current time.

M12002 updates SAS Credit Scoring for Banking Server 5.2

1. Importing ETL job metadata
 - a. Start SAS Data Integration Studio, and connect to the appropriate metadata server.
Note: Make sure that you are connected to the correct application server.

- b. Go to the **Folders** tab.
- c. Right-click on the /Products/SAS Credit Scoring for Banking 5.2 metadata folder, then select **Import SAS Package**. The Import SAS Package wizard appears.
- d. Use the Import SAS Package wizard to import the .spk file listed below. When importing the .spk file, on the first page of the Import SAS Package wizard, enter the physical location of the .spk file. Complete the tasks on the remaining pages of the Import SAS Package wizard using the default selections.

IMPORTANT NOTE:

The spk package below is applicable *only* if you are running SAS Detail Data Store for Banking 4.7. Please check your deployment registry report as described in [SAS Note 35968](#) to insure you are running this version of Detail Data Store prior to proceeding with the steps below. If you are running SAS Detail Data Store for Banking 4.6, or are not using SAS Detail Data Store, you should *not* perform the steps below.

Windows:

<SASHome>/SASFoundation/9.3/csbmva/sasmisc/config/Deployment/Packages/csbmva_52_dds_writeback_hf1_DDS4.7.spk

UNIX:

<SAS
Home>/SASFoundation/9.3/misc/csbmva/config/Deployment/Packages/csbmva_52_dds_writeback_hf1_DDS4.7.spk

Special Notes:

This package will overwrite below 6 existing DDS write back jobs:

ACCOUNT_SCORE_DETAIL_DDS_WRITE
ANALYTICAL_MODEL_DDS_WRITE
APPLICATION_SCORE_DETAIL_DDS_WRITE
CREDIT_FAC_SCORE_DETAIL_DDS_WRITE
CUSTOMER_SCORE_DETAIL_DDS_WRITE
POOL_DDS_WRITE

It will create 3 new intermediate tables as follows:

ANALYTICAL_MODEL_LKP
EXISTING_ANALYTICAL_MODELS
NEW_ANALYTICAL_MOD_TMP

- e. Follow steps a through c above to use the Import SAS Package wizard to import the following .spk file

IMPORTANT NOTE:

The spk package below is applicable *only* if you are running SAS Detail Data Store for Banking 4.6. Please check your deployment registry report as described in [SAS Note 35968](#) to insure you are running this version of Detail Data Store prior to proceeding with the steps below. If you are running SAS Detail Data Store for Banking 4.7, or are not using SAS Detail Data Store, you should *not* perform the steps below.

Windows:

<SASHome>/SASFoundation/9.3/csbmva/sasmisc/config/Deployment/Packages/csbmva_52_dds_writeback_hf1_DDS4.6.spk

UNIX:

<SASHome>/SASFoundation/9.3/misc/csbmva/config/Deployment/Packages/csbmva_52_dds_writeback_hf1_DDS4.6.spk

Special Note:

This package will overwrite below 1 existing DDS write back job:-

ANALYTICAL_MODEL_DDS_WRITE

- f. Follow steps a through c above to use the Import SAS Package wizard to import the following .spk file

IMPORTANT NOTE:

The spk packages below are applicable for both SAS Detail Data Store for Banking 4.6 and 4.7. This must be applied even if you are not using SAS Detail Data Store for Banking.

Windows:

/SASFoundation/9.3/csbmva/sasmisc/config/Deployment/Packages/csbmva_52_hf1.spk

UNIX:

/SASFoundation/9.3/misc/csbmva/config/Deployment/Packages/csbmva_52_hf1.spk

Special Notes:

This package will overwrite below 11 existing jobs:

ACCOUNT_DEF_DIM_ACT_EXT
ACCOUNT_DEF_REC_BASE_ACT
ACCOUNT_DEFAULT_RECOVERY_BASE
CRD_FAC_DEF_REC_BASE_ACT

CREDIT_FAC_DEF_RECOVERY_BASE
LOAD_ANALYTICAL_MODEL_DIM
FEED_FOR_CCF
FEED_FOR_LGD
FEED_FOR_MIP
FEED_FOR_PD
APPEND_ACTUALS

It will overwrite 1 existing below table:

ACCOUNT_DEF_REC_ACT_TEMP1

It will create 4 new tables as listed below:

CRD_FAC_DEF_REC_BASE_ACT_TMP1
CCF_UPDATETIME_LIST
LGD_UPDATETIME_LIST
PD_UPDATETIME_LIST

- g. Follow steps a through c above to use the Import SAS Package wizard to import the following .spk file

IMPORTANT NOTE:

The spk packages below are applicable for both SAS Detail Data Store for Banking 4.6 and 4.7. This must be applied even if you are not using SAS Detail Data Store for Banking.

Windows:

<SASHome>/SASFoundation/9.4/csbmva/sasmisc/Config/Deployment/Packages/csbmva_52_hf2.spk

UNIX:

<SASHome>/SASFoundation/9.4/misc/csbmva/Config/Deployment/Packages/csbmva_52_hf2.spk

Special Note:

This package will overwrite below 2 existing jobs:-

SCR_MODEL_DETAILS

DEFAULTED_CREDIT_FACILITY_EXT

- h. Navigate to and expand the metadata path /Products/SAS Credit Scoring for Banking 5.2/Credit Scoring Mart/Deployed Jobs.

- i. Select the following jobs:

ACCOUNT_DEF_DIM_ACT_EXT
ACCOUNT_DEF_REC_BASE_ACT
ACCOUNT_DEFAULT_RECOVERY_BASE
CRD_FAC_DEF_REC_BASE_ACT
CREDIT_FAC_DEF_RECOVERY_BASE
LOAD_ANALYTICAL_MODEL_DIM
FEED_FOR_CCF
FEED_FOR_LGD
FEED_FOR_MIP
FEED_FOR_PD
APPEND_ACTUALS
ACCOUNT_SCORE_DETAIL_DDS_WRITE
ANALYTICAL_MODEL_DDS_WRITE
APPLICATION_SCORE_DETAIL_DDS_WRITE
CREDIT_FAC_SCORE_DETAIL_DDS_WRITE
CUSTOMER_SCORE_DETAIL_DDS_WRITE
POOL_DDS_WRITE

SCR_MODEL_DETAILS

DEFAULTED_CREDIT_FACILITY_EXT

NOTE: All the imported jobs need to be redeployed. The above list is the complete listing of jobs assuming that all the spks mentioned in point 8d, e, f and g have been applied. Depending on whether you are using DDS or not and the version of DDS, you may need to redeploy lesser jobs.

- ii. Right-click on the selected jobs, and then select Scheduling -> Redeploy.
 - iii. Do not change the default selections in the Redeploy scheduled jobs dialog box. Click OK.
 - iv. File exists dialogue will be shown. Choose to Overwrite the deployed job physical file.
 - v. After the jobs are deployed successfully, ensure that the deployed job files are created in the deployment directory <SAS Configuration Directory>/Applications/SASCreditScoringBankingSrvr5.2/deployed_jobs/csmart) with new timestamp of current time.

2. Apply APDM configuration fix for CSB
 - a. Start SAS Data Integration Studio, and connect to the appropriate metadata server.
Note: Make sure that you are connected to the correct application server.
 - b. Select Tools --> Code Editor and Run code given in csbmva_config_updates_hf1.sas file residing in following path

Windows:

<SASHome>/SASFoundation/9.3/csbmva/sasmisc/controlscripts/

UNIX:

<SASHome>/SASFoundation/9.3/misc/csbmva/controlscripts/

3. Apply additional configuration changes.
 - a. Start SAS Data Integration Studio, and connect to the appropriate metadata server.
Note: Make sure that you are connected to the correct application server.
 - b. Select Tools --> Code Editor and Run the following code given below

Windows:

```
options NOQUOTELENMAX;
```

```
%include
```

```
"%sysget(SASROOT)\csbmva\sasmisc\controlscripts\csbmva_hf_wrapper.sas";
```

UNIX:

```
options NOQUOTELENMAX;
```

```
%include
```

```
"%sysget(SASROOT)/misc/csbmva/controlscripts/csbmva_hf_wrapper.sas";
```

S76001 updates SAS Credit Scoring for Banking Mid Tier 5.2

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.exe*.
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 **Credit Scoring Banking Mid 5.2** 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 **Credit Scoring for Banking 5.2** 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 updated EAR file listed above to the web application server that you are using based on the instructions appropriate for your web application server. See *SAS 9.3 Intelligence Platform, Middle-Tier Administration Guide*, Chapter 7, Administering SAS Web Applications, for more details.

Restart SAS Services and Application server

Restart SAS Services and Application server.

Clear your browser cache before you log on to SAS Credit Scoring for Banking application.

M15002 updates SAS Dynamic Analytical Base Table Server 5.4

NONE

Important Note:

Loss Given Default (LGD) processing and calculation of statistical measures for application scoring have been modified as a part of this hot fix. Please click on the link below to access documentation regarding this change:

[LGD and Statistical Measures Changes](#)

This completes the installation of hot fix **M14002** on **Windows and Windows for x64**.